

Catalog

YHB ECO vina















YHB ECO VINA JOINT STOCK COMPANY

YHB ECO vina

Group 4, Quang Minh Town, Me Linh District, Hanoi City, Vietnam

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2021 NEW



Summary of the company

Located in Unit 4, Quang Minh Town, Me Linh District, Hanoi City, Vietnam YHB ECO VINA JOINT STOCK COMPANY is a company specializing in designing, manufacturing and marketing molds, spare parts, hot running parts, mechanical parts and various fixtures or melting tools. Our products are widely used in many fields such as automotive, mechanical, electronics, medical equipment, cosmetics, bottle caps, photovoltaic products, stationery goods and IT industry. The company has many seasoned technicians and precision production equipment, we will serve customers with high quality, fast delivery and reasonable price. The company sincerely welcomes your visit, guidance and business negotiations, and is willing to work with you to achieve the common good and create a brighter future.

YHB Services

Provide well-positioned products and comprehensive service; meet the immediate and predictable ongoing needs of target consumer groups. Establishing an integrated marketing network, satisfying the market, capturing the market and developing the market

YHB ECO VINA Development Strategy

- 1. The company's business strategy
- a, develop a core competitive strategy
- B, strive to be one of the best leading companies
- 2. Corporate Culture Strategy
- a, building a unique learning culture
- b, support the spirit of innovation
- 3. The company's talent strategy
- a, nurture the elite team, and develop the team Spirit of Cooperation
- b. To nurture talent, the focus is on moral education

YHB ECO VINA Core Values

Products, factory quality, characteristics and three products into one; Employees first, the first customer, create value

YHB ECO VINA Management Philosophy

Leading technology, top-not-line innovation-continuous innovation are the foundation of company development and employee growth. No success can be replicated, only continuous innovation can progress relentlessly. Dare to challenge traditions, dare to challenge experiences, dare to challenge the "impossible", dare to challenge inertial thinking, dare to challenge with higher goals. Rare opportunities and beautiful hopes are always accompanied by stiff competition and tough challenges, we are willing to accept competition, challenges and see it as an opportunity.

YHB ECO VINA Quality Policy

With superior systems, with the best people with high quality products, excellent service

Marketing concept YHB ECO VINA

First of all, think what the customer thinks, what the customer wants, pursue the dreams of mutually beneficial customers, fulfill our Xinlong mission We sincerely welcome all new and old customers at home and abroad and friends from all walks of life to visit, and create a better tomorrow with YHB ECO VINA!



系列索引 Index



顶针司筒 P33~P103 Ejector pins and sleeves



限位夹 P104~P139 Slide retainers



锁模扣 P140~P247 Latch locks



浇口系列 P248~P305 Gate series



日期章 P306~P335 Date stamps



热流道 P336~P348 Hotrunner



顶出系列 P349~P504b Elector series



冷却系列 P505~P614 Cooling elements



成型自动化 P615~P642 Molding Automation



定位系列 P643~P687 Locating series



弹簧系列 P688~P778 Mold springs



导柱导套 P779~P851 Guide pins and bushes



压条耐磨块 P851~P888 Guide strips & Wear plates



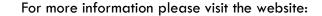
电极夹头 P889~P921 Electrodes and chuck



精密零件及性能测试机 P922~P975 Customerized standard parts and Testing machines



(III) YHB ECO CO.,LTD



顶针&司筒 Ejector pins&Ejector sleeves



				_					
顶针	AISI	顶针	AISI	顶针(DLC) W/	mould	顶针(DLC) Wmo	ould	顶针(发黑)	Wmould
则和 Ejector pins	AlSI	Ejector pins	AISI	Ejector pins(DLC		Ejector pins(DLC)	Julu	灰紅(友無) Ejector pins(l	
AAH	P40	EEX	P41	H-EEX	P42	DH-EEX/DS-EEX	D/13	B-EEX	P4
3/3/1	1 40	LLX	141	TI-LLX	1 42	DII-LLX/DO-LLX	1 43	D-CCX	
N. 13 13 13 13 13 13 13 13 13 13 13 13 13 13 13 13		_						=	
镀铜针	Wmould	镀铜针	AISI	顶针	AISI	顶针(DLC)	JIS	顶针	Wmould
Ejector pins(B	BeCu)	Ejector pins(BeC	u)	Ejector pins		Ejector pins(DLC)		Ejector pins	
PPCL	P46	PPCM	P46	EEPH	P47	DH-EEPH	P48	EEPHE-B	P
								===	
顶针	JIS	顶针	JIS	顶针(Tin)	JIS	顶针(Tin)	JIS	油槽顶针	J
Ejector pins	010	Ejector pins	313	Ejector pins(Tin)	310	Ejector pins(Tin)	010	Ejector pins v	
CCPH-M	P50	CCPD	P50	NN-EPT	P51	NN-EPTJ	P51	SSP-EPDS	P:
油槽顶针	JIS	油槽顶针							
油槽 坝 针						7T 61			
Eiector pins w			JIS	油槽顶针 Eiector pins with	JIS	顶针 Ejector pins	DIN	顶针 Eiector pins	DI
		Ejector pins with s		油槽 顺针 Ejector pins with SSP-EPJ		顶针 Ejector pins ZZ43	P54	顶针 Ejector pins ZZ40	
	vith groove	Ejector pins with	groove	Ejector pins with	groove	Ejector pins		Ejector pins	
SSP-EPD	vith groove	Ejector pins with	groove	Ejector pins with	groove P53	Ejector pins	P54	Ejector pins ZZ40	
SSP-EPD 页针	vith groove P52	Ejector pins with	groove P53	Ejector pins with	groove P53	Ejector pins ZZ43	P54	Ejector pins ZZ40	P\$
原针 Ejector pins	vith groove P52	Ejector pins with sSSP-EPN	groove P53	Ejector pins with SSP-EPJ 项针(DLC) W	groove P53	Ejector pins ZZ43 项针(DLC) Wmo	P54	Ejector pins ZZ40 顶针(发黑)	P: Wmould black)
原针 Ejector pins	vith groove P52 Wmould	Ejector pins with sSP-EPN 原针 Ejector pins	P53	Ejector pins with SSP-EPJ 项针(DLC) W// Ejector pins(DLC)	proove P53 mould	Ejector pins ZZ43 项针(DLC) Wmm Ejector pins(DLC)	P54	Ejector pins ZZ40 顶针(发黑) Ejector pins(I	
原针 Ejector pins ZZ40S	vith groove P52 Wmould	原针 Ejector pins with SSP-EPN 原针 Ejector pins ZZ42	P53	Ejector pins with SSP-EPJ 项针(DLC) W/ Ejector pins(DLC ZZ40DH	proove P53 mould	Ejector pins ZZ43 项针(DLC) Wm Ejector pins(DLC) ZZ40DS 项针 TAI	P54	Ejector pins ZZ40 项针(发黑) Ejector pins(I ZZ40B	Wmould black) P?
顾针 Ejector pins ZZ40S	P52 Wmould P55	原针 Ejector pins with sSP-EPN 原针 Ejector pins ZZ42	P53 DIN P56	原针(DLC) W// Ejector pins (DLC) ZZ40DH 原针 T. Ejector pins	groove P53 mould C) P57	Ejector pins ZZ43 项针(DLC) Wm Ejector pins(DLC) ZZ40DS 项针 TAI Ejector pins	P54 P58	Ejector pins ZZ40 项针(发黑) Ejector pins(I ZZ40B 项针(发黑) Ejector pins(I	Wmould black) PE
原针 Ejector pins ZZ40S	wmould P55	原针 Ejector pins with SSP-EPN 原针 Ejector pins ZZ42	P53 DIN P56	Ejector pins with SSP-EPJ 项针(DLC) W/ Ejector pins(DLC ZZ40DH	prove P53 mould D) P57	Ejector pins ZZ43 项针(DLC) Wm Ejector pins(DLC) ZZ40DS 项针 TAI	P54	Ejector pins ZZ40 项针(发黑) Ejector pins(I ZZ40B	Wmould black) Wmould black)
顾针 Ejector pins ZZ40S	P52 Wmould P55	原针 Ejector pins with sSP-EPN 原针 Ejector pins ZZ42	P53 DIN P56	原针(DLC) W// Ejector pins (DLC) ZZ40DH 原针 T. Ejector pins	groove P53 mould C) P57	Ejector pins ZZ43 项针(DLC) Wm Ejector pins(DLC) ZZ40DS 项针 TAI Ejector pins	P54 P58	Ejector pins ZZ40 项针(发黑) Ejector pins(I ZZ40B 项针(发黑) Ejector pins(I	Wmould black) PS
原针 Ejector pins ZZ40S	With groove P52 Wimould P55 DIN P60	原针 Ejector pins with sSP-EPN 原针 Ejector pins ZZ42	P53 DIN P56	原针(DLC) W// Ejector pins (DLC) ZZ40DH 原针 T. Ejector pins	prove P53 P53 P57 P57 P57 P57 P61	Ejector pins ZZ43 项针(DLC) Wm Ejector pins(DLC) ZZ40DS 项针 TAI Ejector pins	P54 P58	Ejector pins ZZ40 项针(发黑) Ejector pins(I ZZ40B 项针(发黑) Ejector pins(I	Wmould black) PE
原针 Ejector pins w SSP-EPD 项针 Ejector pins ZZ40S 互连 E E E E E E E E E E E E E E E E E E	wmould P55 DIN P60	原针 Ejector pins with SSP-EPN 原针 Ejector pins ZZ42 原针 Ejector pins EE1790	P53 DIN P56 DIN P60	原针 (DLC) W/ Ejector pins (DLC) ZZ40DH 原针 T. Ejector pins (EPSS	groove P53 mould D P57 AIWAN P61	Ejector pins ZZ43 项针(DLC) Wmm Ejector pins(DLC) ZZ40DS 项针 TAI Ejector pins EPS	P54 P58 P58 JIS	原针(发黑) Ejector pins(I Ejector pins(I ZZ40B	Wmould black) P5 Wmould black) P6



Middle shoulder flat ejector pins

EERSHE

Core pins

CCPNG

P96

Core pins

P97

CCPJG

Middle shoulder stepped ejector pins

EEPSHSE

Middle shoulder flat ejector pins

P95 EERSH







WYHB ECO CO.,LTD





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	=						=		
拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	
Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins	
RRLR	P253	RRLRL	P253	RRLRB	P254	RRLRBF	P254	RRLRG	F
		_		_		_		_	
	====		=						=
拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	
Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins	
RRLRGF	P255	RRLH	P255	RRLHL	P255	RRLHB	P256	RRLHG	F
	—				=				=
拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	
Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins	
RRLHBF	P257	RRLHGF	P257	RRLTB	P258	TTLTG	P258	RRLTBF	F
		_						_	
拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	JIS	拉料销	
拉料销 Runner lock pins RRLTGF		拉料销 Runner lock pins RRLRSB	JIS P259	拉料销 Runner lock pins RRLRSBF	JIS P260	拉料销 Runner lock pins RRLREB	JIS P262	拉料销 Runner lock pins RRLREBF	F
Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins		Runner lock pins	
Runner lock pins RRLTGF	P261	Runner lock pins RRLRSB	P259	Runner lock pins RRLRSBF	P260	Runner lock pins RRLREB	P262	Runner lock pins RRLREBF	F
Runner lock pins RRLTGF 拉料销	P261	Runner lock pins RRLRSB 拉料销		Runner lock pins RRLRSBF 拉料销		Runner lock pins RRLREB 拉料销		Runner lock pins RRLREBF 拉料销	F
Runner lock pins RRLTGF 拉料销 Runner lock pins	P261	Runner lock pins RRLRSB 拉料销 Runner lock pins	P259	Runner lock pins RRLRSBF 拉料销 Runner lock pins	P260	Runner lock pins RRLREB 拉料销 Runner lock pins	P262	Runner lock pins RRLREBF 拉料销 Runner lock pins	
Runner lock pins RRLTGF 拉料销	P261	Runner lock pins RRLRSB 拉料销 Runner lock pins	P259	Runner lock pins RRLRSBF 拉料销	P260	Runner lock pins RRLREB 拉料销	P262	Runner lock pins RRLREBF 拉料销 Runner lock pins	
Runner lock pins RRLTGF 拉料销 Runner lock pins	P261	Runner lock pins RRLRSB 拉料销 Runner lock pins	P259	Runner lock pins RRLRSBF 拉料销 Runner lock pins	P260	Runner lock pins RRLREB 拉料销 Runner lock pins	P262	Runner lock pins RRLREBF 拉料销 Runner lock pins	
Runner lock pins RRLTGF 拉料销 Runner lock pins RRLKL	JIS P263	Runner lock pins RRLRSB 拉料销 Runner lock pins RRLKS	P259 JIS P263	Runner lock pins RRLRSBF 拉料销 Runner lock pins RRLKB	JIS P264	Runner lock pins RRLREB 拉科销 Runner lock pins RRLKG	JIS P264	Runner lock pins RRLREBF 拉科销 Runner lock pins RRLKBF	
Runner lock pins RRLTGF 拉料销 Runner lock pins RRLKL	JIS P263	Runner lock pins RRLRSB 拉料销 Runner lock pins RRLKS	P259 JIS P263	Runner lock pins RRLRSBF 拉料销 Runner lock pins RRLKB	JIS P264	Runner lock pins RRLREB 拉料销 Runner lock pins RRLKG	JIS P264	Runner lock pins RRLREBF 拉料销 Runner lock pins RRLKBF	
Runner lock pins RRLTGF 拉料销 Runner lock pins RRLKL	JIS P263	Runner lock pins RRLRSB 拉料销 Runner lock pins RRLKS 拉料销 Runner lock pins	P259 JIS P263	Runner lock pins RRLRSBF 拉料销 Runner lock pins RRLKB 拉料销 Runner lock pins	JIS P264 JIS	Runner lock pins RRLREB 拉料销 Runner lock pins RRLKG 拉料销 Runner lock pins	JIS P264 JIS	Runner lock pins RRLREBF 拉料销 Runner lock pins RRLKBF 拉料销 Runnerlock pins	F
Runner lock pins RRLTGF 拉科销 Runner lock pins RRLKL 拉科销 Runner lock pins RRLKGF	JIS P263	Runner lock pins RRLRSB 拉料销 Runner lock pins RRLKS 拉料销 Runner lock pins RRLKS	P259 JIS P263	Runner lock pins RRLRSBF 拉料销 Runner lock pins RRLKB 拉料销 Runner lock pins	JIS P264 JIS	Runner lock pins RRLREB 拉料销 Runner lock pins RRLKG 拉料销 Runner lock pins	JIS P264 JIS	Runner lock pins RRLREBF 拉料销 Runner lock pins RRLKBF 拉料销 Runnerlock pins	F
Runner lock pins RRLTGF 拉科销 Runner lock pins RRLKL 拉科销 Runner lock pins RRLKGF	P261 JIS P263 P265 PAIWAN	Runner lock pins RRLRSB 拉料销 Runner lock pins RRLKS 拉料销 Runner lock pins RRLKS	P259 JIS P263 JIS P266	Runner lock pins RRLRSBF 拉科销 Runner lock pins RRLKB 拉科销 Runner lock pins RRLKB	JIS P264 JIS P266	Runner lock pins RRLREB 拉科籍 Runner lock pins RRLKG 拉科籍 Runner lock pins RRLKG	JIS P264 JIS P267	Runner lock pins RRLREBF 拉科特 Runner lock pins RRLKBF 拉科特 Runner lock pins RRHTGF	F



DIN

P224 KKL

锁模扣

Latch locks

锁模扣

P226 KKU

Latch locks

AISI

P229

锁模扣

P224 RREF-462

Latch locks

锁模扣

Latch locks

RREF-460

DIN

锁模扣

P224 RREF-461

Latch locks











顶出系列 Ejector series

一次顶出	DIN	一次顶出





二次顶出	DIN								
Two-stage ejectors									
ZZ169	P358	ZZ1691	P360	ZZ1695	P363	ZZ5085	P365	ZZ1697	P367









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二次顶出	DIN	二次顶出	DIN	螺纹限位机构	DIN	螺纹限位机构	DIN	二次顶出	DIN
Two-stage ejectors		Two-stage ej	ectors	Two-stage ejec	tors	Two-stage eje	ectors	Two-stage	ejectors
ZZ1692	P370	EE1860	P373	LLR	P376	AAL	P376	DDX	P378











	Visitor .	4	9	
二次顶出 AISI	二次顶出 AISI	二次顶出 DIN	复位机构 JIS	复位机构 AISI
Two-stage ejectors	Two-stage ejectors	Two-stage ejectors	Round latch locks	Round latch locks
TTSTL P380	TTSBL P383	ZZ4 P386	EERST P393	EER P396











•		6								
复位机构	DIN	复位机构	DIN	复位机构	DIN	复位机构	DIN	顶出机构	Wmould	
Round latch locks		Round latch locks		Push Locks		Push Locks		Ejector ins	stitutions	
Z Z 163	P399	Z Z164	P399	ZZ6	P401	ZZ7	P403	DT12	P405	











47				- 10		-			
顶出机构	AISI	加速顶出	DIN	加速顶出	DIN	加速顶出	DIN	加速顶出	AISI
Ejector institutions		Accelerated ejector		Accelerated ejector		Accelerated ejector		Accelerated ejector	
AAR-D	P407	ZZ141	P409	EEP	P410	AAE	P411	AAEB	P413
	Ejector institution	Ejector institutions	Ejector institutions Accelerated	Ejector institutions Accelerated ejector Accelerated ejector Accelerated ejector Accelerated ejector					









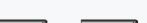






加速顶出	AISI	加速顶出	AISI	侧轴芯(美制)	AISI	侧轴芯(公制)	AISI	侧轴芯镶针	AISI
Accelerated ejector		Accelerated e	jector	Slide units		Slide units		Core pin	
AAEP	P413	AAKO	P415	CCA	P416	CCAMM	P416	CCAP1	P422





侧轴芯镶针 /	AISI	侧轴芯镶针	AISI	侧轴芯镶针	AISI	侧轴芯镶针	AISI	侧轴芯镶针	AISI
Core pin									
CCAP1MM	P422	CCAP2	P422	CCAP2MM	P422	CCAP3	P422	CCAP3MM	P422











侧轴芯镶针	AISI	侧轴芯镶针	AISI	侧轴芯垫块	AISI	侧轴芯	DIN	侧轴芯	DIN
Core pin		Core pin		Slide units		Slide units		Slide units	
CCSE2	P423	CCSE3	P423	CCBR	P423	774290	P424	774292	P426











侧轴芯	DIN								
Slide units									
ZZ4293	P427	ZZ4294	P428	ZZ4295	P430	ZZ4296	P430	ZZ4298	P431











侧轴芯	DIN	側轴芯	DIN	侧轴芯	DIN	行位机构	DIN	底座	DIN
Slide units		Slide units		Slide units		Slide construction	kits	Slide units	
ZZ181	P432	ZZ1810	P433	ZZ1812	P434	ZZ1880	P435	ZZ1881	P436











滑块	DIN	滑块	DIN	行位机构	DIN	底座	DIN	滑块	DIN
Slide units		Slide units		Slide construction	kits	Slide casings		Slide units	
ZZ1801	P437	ZZ1802	P438	ZZ4200	P439	ZZ4205	P442	ZZ4210	P443



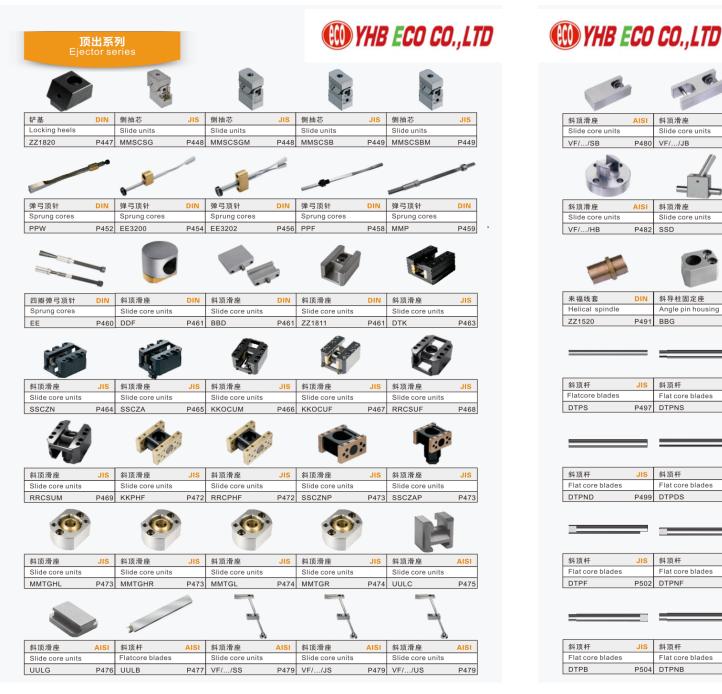








滑块	DIN	铲基	DIN	铲基	DIN	垫块	DIN	滑块	DIN
Slide units		Locking heels		Locking heels		Wear plates		Slide units	
ZZ4211	P443	ZZ4220	P444	ZZ4222	P445	ZZ4230	P445	ZZ180	P446













冷却系列 Cooling elements Series



	10 mm	75	3-99-10 (1995) (
隔水片 DIN	隔水片 JIS	隔水片 JIS	隔水片 JIS	隔水片 JIS
Straight & spiral brass plug baffles	Straight & spiral brass plug baffles			
EE2108 P582	BBFPXR P583	BFAPR P583	BBFPXG P584	BBFAPG P584





隔水片	JIS	隔水片	JIS	塑胶螺旋隔水片	JIS	塑胶螺旋隔水片	JIS	塑前螺旋隔水片	JIS
Straight & spiral brass plug baffles		Straight & spiral brass plug baffles		Spiral plastic plug baffles		Spiral plastic plug baffles		Spiral plastic plug baffles	
BBFP	P585	BBFAP	P585	WWRCAN	P586	WWRCTN	P586	WWRCBN	P586











塑胶螺旋隔水片 JIS	喉塞 DIN	喉塞	DIN	喉塞	DIN	喉塞	DIN
Spiral plastic plug baffles	Pressure plugs	Pressure plugs		Pressure plugs		Pressure plugs	
WWRCCN P586	ZZ94 P58	3 ZZ940 F	P589	ZZ941	P589	ZZ942	P589





喉塞	AISI	喉塞	AISI	运水管	Wmould	运水管	Wmould	运水管	Wmould
Pressure plugs		Pressure plugs		Cooling tubes		Cooling tubes		Cooling tubes	
						DD T 011		TD 0	







运水管	Wmould	运水管	Wmould	运水管	Wmould	止水栓	Wmould	冷却棒	Wmould
Cooling tubes		Cooling tubes		Cooling tubes		Cooling cir	cuit plugs	Heat pipes	
BBTS	P590	BBTSM	P590	TPS	P590	DTW	P591	HTK	P592









法式水咀	DIN	运水管	TAIWAN	运水管	TAIWAN	运水管	TAIWAN	运水管	TAIWAN
French nipples		Cooling tubes		Cooling tubes		Cooling tubes		Cooling tubes	
RRPL	P594	WWCPFT	P604	WWCPF	P604	WJA	P605	WJB	P605



Sister	
集水器	DIN
Mold mounted ma	anifolds
IIM	P606



成型自动化 Molding Automation











高压单时序控制器 Wmould	气动驱动控制器 Wmould	超高压双时序控制器 Wmould	微型油缸 Wmould	标准件	Wmould
Controller	Controller	Controller	Single acting cylinder	Standard parts	
DC04	DC04	DCC4	DCCC		DCCC











切刀	Wmould	二次加工 Wm	nould	行程开关触块	Wmould	行程开关触块	Wmould	微型油缸压板	Wmould
Cutter		Secondary operation		Touch for the stroke switch		Touch for the stroke switch		Miniature cylinder pressure plate	
	P623	F	P623		P621		P621		P621











超高压油管	Wmould	高压油管 Wm	nould	油管接头座	Vmould	油管接头座	Wmould	直通排气 🖊	mould
Ultrahigh pressur	e tubing	Ultrahigh pressure tub	bing	Oil pipe joint sea	t	Oil pipe joint sea	at	Get straight joint	
	P621	P	P621		P621	ZZ941	P621		P621







直通排气	Wmould	三通接头	Wmould	工艺压板(切刀调整夹具) Wmould
Through exha	ust	Joint		Technical board
	P621		P621	P621















定位块	DIN								
Square Interlocks									
EE1304	P647	EE1306	P647	EE1308	P648	EE1320	P649	ZZ0851	P650











定位块	DIN								
Square Interlocks									
ZZ0852	P650	ZZ18	P653	ZZ19	P652	ZZ07	P651	ZZ17	P651











定位块	DIN								
Square Interlocks									
ZZ50	P654	ZZ51	P656	ZZ0711	P658	ZZ0722	P658	ZZ0712	P659











定位块	DIN								
Square Interlocks									
ZZ0721	P659	ZZ060	P660	ZZ08	P660	ZZ080	P661	ZZ48	P662











定位块	DIN	定位块	AISI	定位块	AISI	定位块	AISI	定位块	AISI
Square Interlocks									
ZZ46-S	P662	MMTR	P663	FFTR	P663	RRSI	P663	TTL-P	P663











定位块	AISI								
Square Interlocks									
FFW45	P664	PPLM	P664	PPLF	P664	GGL	P665	GGLM	P665











定位块	AISI								
Square Interlocks									
PPLL	P666	PPLF	P667	PPXM	P667	SSSI	P668	SSL	P668















定位块	AISI								
Square Interlocks									
SSLM	P668	TTL	P669	TTLM	P669	XXSI	P670	SSLX	P671











定位块	AISI	定位块	AISI	定位块	AISI	定位块	AISI	定位块	JIS
Square Interlocks									
SSLS	P671	SSLMS	P671	BBGT	P672	BBGS	P672	TTSSB	P673











定位块	JIS	定位块	JIS	定位块	JIS	定位块 TA	IWAN	定位块 TAI	WAN
Square Interlocks		Square Interlocks		Square Interlocks		Square Interlock	s	Square Interlocks	
VVTTSB	P674	TTBS	P675	TTBSF	P676	TTL-L	P677	PL	P677











定位块	TAIWAN	定位块	TAIWAN	定位柱	JIS	定位柱	JIS	定位柱	JIS
Square Interlocks		Square Int	erlocks	Round loc	ating units	Round locat	ing units	Round lo	cating units
KY	P678	LK	P678	TTPNF	P679	TTPNFC	P680	TTPN	P681











定位柱	JIS	定位柱	JIS	定位柱	JIS	定位柱	TAIWAN	定位柱	AISI
Round locating units		Round locat	ing units	Round lo	cating units	Round loc	ating units	Round loc	ating units
TTPNV	P681	TTPNC	P682	TTPV	P682	TTP-T	P683	MMTM	P684











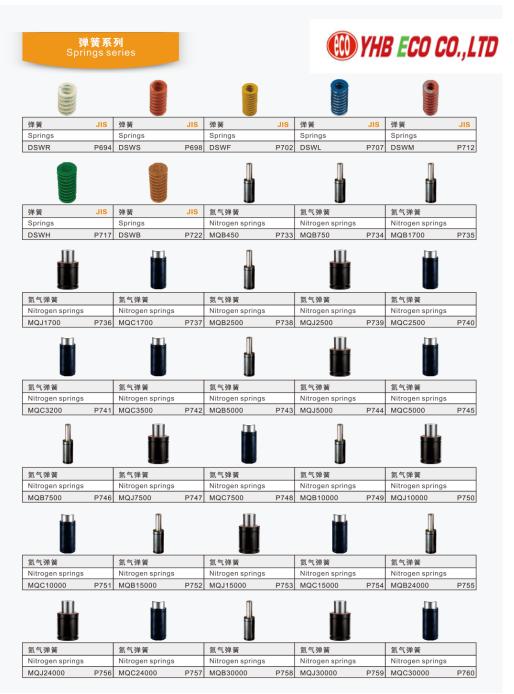
定位柱	AISI	垫块	AISI	定位柱	AISI	定位柱	AISI	垫块	AISI
Round locating units		Shoulder Plates		Round loca	ting units	Round loca	iting units	Heel block	
FFTM	P684	AAGS	P684	MMT	P685	FFT	P685	SSP	P685

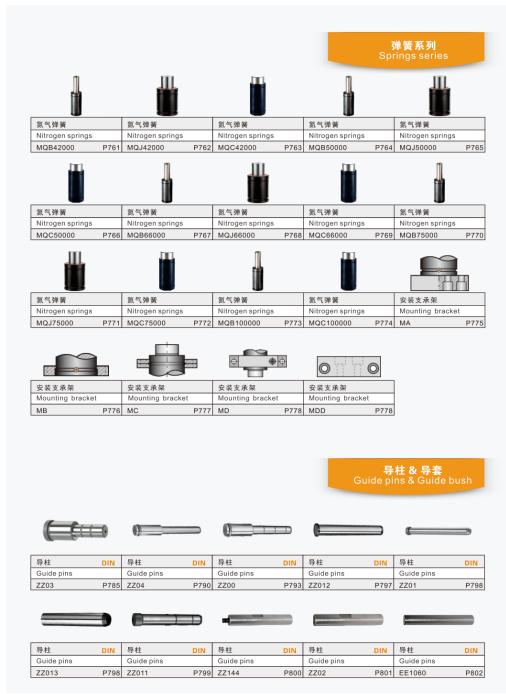






定位柱	DIN	定位柱	DIN	定位柱	DIN
Round locating	g units	Round locat	ing units	Round loca	ating units
ZZ05	P686	ZZ051	P686	ZZ06	P687





导柱 & 导套 Guide pins & Guide bush

AAPMS

P819 GLL



导柱	DIN	导柱	DIN	导柱	JIS	导柱	JIS	导柱	JIS
Guide pins									
EE1035	D803	EE1040	Dena	CCDD	D904	CCDD7	D004	SSBB OC	Dene



导柱	JIS	导柱	JIS	导柱	JIS	导柱	JIS	导柱	JIS
Guide pins		Guide pins		Guide pins		Guide pins		Guide pins	
SSPPZ-OC F	805	GGPSL	P806	GGPOL	P806	GGPHL	P807	EEGH	P808





Angle guide pins									
AMP	P812	AAP	P812	GGI	P813	ZZ016	P813	ZZ010	P814

斜导柱	JIS								
Angle guide pins									
DAP	P816	DAPS	P816	AAPZS	P817	AAPU	P817	AAPHX	P817

斜导柱 JI	S	斜导柱	JIS	斜导柱	JIS	斜导柱	JIS	斜导柱	JIS
Angle guide pins		Angle guide pins		Angle guide pins		Angle guide pins		Angle guide pins	

斜导柱	JIS								
Angle guide pins									
AAPUS	P818	AAPHXS	P818	AAPX	P818	AAPXS	P818	AAPM	P819

斜导柱	JIS	导柱	AISI	导套	AISI	导套	JIS	导套	JIS
Angle guide pins		Guide pins		Guide bush		Guide bush		Guide bush	

P820 GBB

P821 EEGBH

P820 GGBE

导柱 & 导套 Guide pins & Guide bush 导套 JIS 导套 JIS 导套 JIS 导套 JIS 导套 Guide bush Guide bush Guide bush Guide bush Guide bush P823 EEGBZS GGBS P822 GGBSE P822 GGBHE P823 GGBH P824 导套 DIN 导套 DIN 导套 DIN 导套 DIN 导套 DIN Guide bush Guide bush Guide bush Guide bush Guide bush ZZ10 P825 ZZ4079 P826 ZZ4085 P826 ZZ75 P828 导套 导套 DIN 导套 DIN 导套 DIN 导套 DIN DIN Guide bush Guide bush Guide bush Guide bush Guide bush EE1140 P828 ZZ4486 P829 ZZ81-S P830 WW30 P831 ZZ76 P832 导套 DIN 导套 DIN 导套 DIN 导套 DIN 导套 DIN Guide bush Guide bush Guide bush Guide bush Guide bush ZZ11 P833 EE1110 P834 ZZ11W P835 ZZ10W P836 ZZ13W P837 导套 DIN 导套 DIN 导套 DIN 弹簧导正销 弹簧导正销 Guide bush Guide bush Guide bush Spring guide pin Spring guide pin ZZ14W P840 SSGA P837 ZZ1000W P838 ZZ1100W P839 SSGAMK P841 钢珠导套 钢珠导套 钢珠导套 DIN 钢珠导套 DIN 钢珠导套 Steel ball guide bush ZZ4147 P842 EE1330 P843 EE1325 P844 SSN1777SR P845 SSN1776SR 钢珠导套 钢珠导套 钢珠导套 钢珠导套 钢珠导套 DIN DIN Steel ball guide bush Steel ball guide bush Steel ball guide bush Steel ball guide bush ZZ4485 P846 ZZ12 P847 EE1332 P848 SSN1799/SSN1799H P848 P847 SSN1798 钢珠导套 钢珠导套 钢珠导套 Steel ball guide bush Steel ball guide bush Steel ball guide bush Steel ball guide bush Steel ball guide bush

P849 EEBD

P849 ZZ13

P850 EE14

SN1798/99/99H P848 EEBC

P821





电极 & 夹头 Electrodes & Chuck













夹头		夹头		夹头		夹头		夹头	
Chuck		Chuck		Chuck		Chuck		Chuck	
AS-QK02-T2	P907	AS-SK04-H4-C	P907	AS-SK04-14	P908	AS-SK04-15	P908	AS-SK04-J150	P909











夹头									
Chuck									
AS-Q01	P909	AS-Q04	P910	AS-F01	P910	AS-F02	P910	AS-F10	P911











夹头		夹头		夹头		夹头		夹头	
Chuck		Chuck		Chuck		Chuck		Chuck	
AS-F11	P911	AS-JP50	P912	AS-JP90G	P912	AS-JD21	P912	AS-JU21	P913











夹头		夹头		夹头		夹头		夹头	
Chuck		Chuck		Chuck		Chuck		Chuck	
AS-J-SK25-15	P913	AS3-QK100	P914	AS3-QK100-C6	P914	AS3-SK80-T2	P915	AS3-Q01	P915











夹头		夹头		夹头		夹头		夹头	
Chuck		Chuck		Chuck		Chuck		Chuck	
AS3-Q04	P916	AS3-F-LG1	P916	AS3-F-LG2	P916	AS3-JP54	P917	AS3-JD21	P917









夹头		夹头		夹头		夹头	
Chuck		Chuck		Chuck		Chuck	
AS-JU31	P918	AS-U-MK	P918	AS-U-TL	P919	AS-W10	P919















限位开关	AISI	螺丝刀	Would	安全扣	DIN	安全扣	Would	安全扣	Would
Limit switch		Screw drive		Tool safety o	devices	Tool safety	devices	Tool safety	devices
TSW2220	P925	MSD	P925	ZZ73	P925	ZZ73A	P926	ZZ73B	P927











安全扣	JIS	安全扣	JIS	计数器(美制)	AISI	计数器(公制)	AISI	耐高温计数器	Would
Tool safety device	s	Tool safety de	vices	Mold counter		Mold counter		Heat-resistant mor	uld counter
OOPS	P928	DDPS	P928	CPL	P929	СРМ	P929	CPH	P930











圆形计数器	AISI	等高螺丝	JIS	挡圈	JIS	挡圈	JIS	销钉	JIS
Round mold counter		Shoulder bolt	screws	Back-up ring		Back-up ring		Down pins	
CVR	P931	DLKB	P932	DLKR	P932	DLKT	P932	DTMS	P933











带牙销钉	JIS	顶棍镶件	AISI	顶棍镶件	DIN	顶棍镶件	DIN	等高螺丝	JIS
Down pins with tap		Enjector insert		Enjector insert		Enjector insert		Shoulder bolt scre	ews
DTMSM	P933	PPH	P934	EE1516	P935	EE1515	P936	DTSB	P937











等高螺丝 JIS	等高螺丝 DIN	止动螺栓 TAIWAN	螺牙拉杆 TAIWAN	垫圈 DIN
Shoulder bolt screws	Shoulder bolt screws	Shoulder bolt	Shoulder bolt	Sereating washer
DTBL P937	ZZ38 P937	DTZ P938	DTL P938	ZZ55 P939











垫圈	DIN	垫圈	DIN	停止销	DIN	停止销	DIN	停止销	JIS
Sereating washer		Sereating washer		Stop pin		Stop pin		Stop pin	
ZZ56	P939	ZZ561	P939	EE1505	P940	EE551	P940	DSTPH	P940











停止销	JIS	垫圈	JIS	垫圈	JIS	垫圈	JIS	垫圈	JIS
Stop pin		Sereating washer		Sereating washer		Sereating washer		Sereating washer	
DSTPN	P940	DSPW	P941	DSPWG	P941	DSPWD	P941	DSTR	P942

小零件 Mold accessories













垫圈	JIS	垫圈	JIS	垫圈	JIS	垫圈	JIS	支承柱	DIN
Sereating washer		Sereating washer		Sereating washer		Sereating washer		Support pillar	
DSTPB	P942	DPST	P942	DPSZ	P943	DPSB	P943	EE1510	P944











支承柱	DIN	支承柱	DIN	支承柱	JIS	支承柱	JIS	支承柱	JIS
Support pillar									
ZZ57	P945	ZZ571	P945	DSPL	P946	DDSPLG	P946	DHSP	P947











								40.	
支承柱	JIS	支承柱	JIS	支承柱	JIS	支承柱	JIS	隔热板	TAIWAN
Support pillar		Support pillar		Support pillar		Support pillar		Insulating	plate
DHSPL	P947	DSPL	P947	DSF	P948	DSPLF	P948	DTC	P949











	TO. 17								
加长司筒	AISI	吊环	JIS	旋转式吊环	JIS	精密垫片	TAIWAN	精密垫片	TAIWAN
Extensions sleeve		Safety rings		Rotating rings		Precision v	vasher	Precision v	vasher
SSLX-P	P950	ССНІ	P951	SSLEB	P952	SPG	P954	SPGH	P954









精密垫片	TAIWAN	O型圏	JIS	O型圏	JIS	O型圏	JIS
Precision wa	sher	O-Rings		O-Rings		O-Rings	
SPGC	P954	OORS	P955	OORP	P955	OORG	P955

精密零件&测试机&模具钢 Customerized standard parts&Testing machines &Mould steel

精密零件	性能测试机	模具钢
Precision washer	Testing machines	Mould steel
P936-940	P941-942	P943-951

顶针&司筒系列

Ejector pins & Ejector sleeves







托针(Tin)	JIS	托针(Tin)	JIS	托针(DLC) Wmoul	ld	托针	AISI	托针(DLC) M	/mould
Stepped ejector p	ins(Tin)	Stepped ejector pin:	s(Tin)	Stepped ejector pins(I	DLC)	Stepped ejector pi	ins	Stepped ejector	pins(DLC
NN-ETSL	P66	NN-ETSJL	P66	DH-EESH F	P67	EEXS	P68	DH-EEXS	P6
		===							
托针	AISI	托针	DIN	托针(DLC) Wmoul		扁顶针	DIN	扁顶针	DII
Stepped ejector p		Stepped ejector pin:		Stepped ejector pins(D		Flat ejector pins		Flat ejector pins	
EESH	P69	ZZ44	P69	ZZ44DS F	P70	ZZ46	P71	ZZ465	P7
_	_		_				_		
扁顶针	DIN	扁顶针(DLC)Wmo	uld	扁顶针 TAIW	AN	扁顶针	JIS	扁顶针(DLC) <mark>И</mark>	/mould
Flat ejector pins		Flat ejector pins (D	LC)	Flat ejector pins		Flat ejector pins		Flat ejector pins	(DLC)
ZZ4650	P73	ZZ465DH	P75	ERPS F	P76	EERPH	P76	DS-EERPH	P7
						_			
扁顶针(DLC)Wm		刻字扁顶针	JIS		AISI	扁顶针(DLC)Wmi		扁顶针(DLC) <mark>//</mark>	
Flat ejector pins(D		刻字扁顶针 Flat ejector pins EERF□M	JIS P79	Flat ejector pins	AISI P80	扁顶针(DLC)Wm Flat ejector pins(D DH-EEJB		扁顶针(DLC)M Flat ejector pins DS-EEJB	(DLC)
Flat ejector pins(D	LC)	Flat ejector pins		Flat ejector pins		Flat ejector pins(D	LC)	Flat ejector pins	(DLC)
Flat ejector pins(D DH-EERPH	LC)	Flat ejector pins EERF M		Flat ejector pins EEJB-IMH F		Flat ejector pins(D	LC)	Flat ejector pins	P8
Flat ejector pins(C DH-EERPH	P78	Flat ejector pins EERF M	P79	Flat ejector pins EEJB-IMH F	P80	Flat ejector pins(C DH-EEJB	P81	Flat ejector pins DS-EEJB	P8
Flat ejector pins(C DH-EERPH 司筒 Ejector sleeves	P78	Flat ejector pins EERF□M TAI	P79	Flat ejector pins EEJB-IMH F	P80	Flat ejector pins(C DH-EEJB	P81	Flat ejector pins DS-EEJB C	P8
Flat ejector pins(C DH-EERPH 司筒 Ejector sleeves	P78 JIS	Flat ejector pins EERF□M 司简 TAII Ejector sleeves	P79	Flat ejector pins EEJB-IMH F	P80	Flat ejector pins(C DH-EEJB 司筒 Ejector sleeves	P81 AISI	Flat ejector pins DS-EEJB 可简 Ejector sleeves	P8
Flat ejector pins(I DH-EERPH 司筒 Ejector sleeves EESNF	P78 JIS	Flat ejector pins EERF□M 司简 TAII Ejector sleeves	P79	Flat ejector pins EEJB-IMH 司简 A Ejector sleeves JJFS F	P80 AISI P84	Flat ejector pins(CDH-EEJBDH-	AISI P84 JIS	Flat ejector pins DS-EEJB 可简 Ejector sleeves	P8
Flat ejector pins(CDH-EERPH 司筒 Ejector sleeves EESNF	JIS P83	Flat ejector pins EERF□M 司简 TAII Ejector sleeves ESV	P79 WAN P83	Flat ejector pins EEJB-IMH F 同簡 A Ejector sleeves JJFS F	P80 AISI P84	Flat ejector pins(CDH-EEJBDH-	AISI P84 JIS	Flat ejector pins DS-EEJB 司简 Ejector sieeves ZZ451	P8
Flat ejector pins(DDH-EERPH 司筒 Ejector sleeves EESNF 司筒 Ejector sleeves	JIS P83	Flat ejector pins EERF□M 司简 TAII Ejector sleeves ESV	P79 WAN P83	Flat ejector pins EEJB-IMH 司筒 Ejector sleeves JJFS 中肩针 Middle shoulder ejector p	P80 AISI P84	Flat ejector pins(CDH-EEJBDH-	AISI P84 JIS	Flat ejector pins DS-EEJB 司筒 Ejector sleeves ZZ451 中肩托针	P8 DIII P8
Flat ejector pins(DDH-EERPH 司筒 Ejector sleeves EESNF 司筒 Ejector sleeves	JIS P83	Flat ejector pins EERF□M 司筒 TAN Ejector sleeves ESV 司筒 Ejector sleeves	P79 WAN P83	Flat ejector pins EEJB-IMH 司筒 Ejector sleeves JJFS 中肩针 Middle shoulder ejector p	P80 AISI P84 JIS pins	Flat ejector pins(DDH-EEJB DH-EEJB 司筒 Ejector sleeves SS 中肩针 Middle shoulder ejector sleeves	P81 AISI P84 JIS tor pins	Flat ejector pins DS-EEJB 司簡 Ejector sleeves ZZ451 中肩托针 Midde shoulder steppo	P8 DII P8
Flat ejector pins(D	JIS P83	Flat ejector pins EERF□M 司筒 TAN Ejector sleeves ESV 司筒 Ejector sleeves	P79 WAN P83	Flat ejector pins EEJB-IMH 司简 Ejector sleeves JJFS 中肩针 Middle shoulder ejector p	P80 AISI P84 JIS pins	Flat ejector pins(DDH-EEJB DH-EEJB 司筒 Ejector sleeves SS 中肩针 Middle shoulder ejector sleeves	P81 AISI P84 JIS tor pins	Flat ejector pins DS-EEJB 司簡 Ejector sleeves ZZ451 中肩托针 Midde shoulder steppo	P8 DIII P8
同简 Ejector sleeves EESNF 司简 Ejector sleeves ZZ456	P78 JIS P83 DIN P92	Flat ejector pins EERF□M 司筒 TAII Ejector sleeves ESV 司筒 Ejector sleeves ZZ45	P79 WAN P83 DIN P93	Flat ejector pins EEJB-IMH 司简 A Ejector sleeves JJFS F 中肩针 Middle shoulder ejector p EEPSH F	P80 AISI P84 JIS pins p94	Flat ejector pins(DDH-EEJB 司简 Ejector sleeves SS 中肩针 Middle shoulder ejectetePSHE	P81 AISI P84 JIS Storpins P94	Flat ejector pins DS-EEJB 司简 Ejector sleeves ZZ451 中肩托针 Midde shoulder sleppe EEPSHS	P8 DII P8

而针司筒 Ejector pins Ejector sleeves



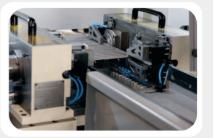
镶针	JIS	镶针	JIS	镍针	JIS	镶针	JIS	滑针	Wmould
Core pins		Core pins		Core pins		Core pins		Slide pins	
CCPHS	P98	CCPHSJ	P98	ССРН	P100	ССРНЈ	P100	SN	P102





滑针	Wmould	维氏硬度计 Wmould	顶针&司筒看板 Wmould
Slide pins		Vickers hardness tester	Ejector pins & Ejector sleeves Board
SNI	P102	P103	P103





模具相关中英文表述一:

dowel pin 定位梢 draft 拔模锥度 draw bead 张力调整杆 drive bearing 传动轴承 ejection pad 顶出衬垫

ejector quide pin 顶出导梢

ejector 脱模器

ejector leader busher 顶出导梢衬套

ejector pad 顶出垫 ejector pin 顶出梢

ejector plate 顶出板 eiector rod 顶出杆

eiector sleeve 顶出衬套

ejector valve 顶出阀 eye bolt 环首螺栓

filling core 椿入蕊

film gate 薄膜形浇口

finger pin 指形梢

finish machined plate 角形模板

finish machined round plate 圆形模板 fixed bolster plate 固定侧模板

flanged pin 带凸缘销

flash gate 毛边形浇口

flask 上箱

floating punch 浮动冲头

gate 浇口

gate land 浇口面

gib凹形拉紧楔

goose neck 鹅颈管

guide bushing 引导衬套

guide pin 导梢

guide post 引导柱

guide plate 导板

guide rail 导轨

head punch 顶头冲孔

headless punch 直柄冲头

heavily tapered solid 整体模蕊盒

hose nippler 管接头

impact damper缓冲器

(N) YHB ECO CO..LTD

产品概述 Products Summary

产品概述:

顶针、司筒主要应用于塑胶、压铸模具中,将成形产品从模具中分离出来的零件。

常用材质有SKD61、SKH51等。在使用过程中,因长期运动摩擦导致产品表面磨损,为增加产品的使用寿命,或满足特 殊场合使用,故对产品表面进行DLC、TiN涂层等。涂层应用说明见 応 P998

涂层顶针推荐使用场合:

- 1. 对于快周期成形或要求长期使用寿命的模具;
- 2. 不能使用润滑油的模具(如医疗模具等);

7///////

- 3. 使用易产生气体的材料的模具(如工程塑料、含玻璃纤维树脂);
- 4. 顶针易磨损的模具(压铸模、含玻璃纤维树脂);
- 5. 要求具有高耐磨损性、脱模性、耐腐蚀性的模具;

Product summary:

Ejector pin, sleeve mainly used in plastic, pressure casting mold, The function of these parts is separated forming products from mould.

. Common material SKD61 .SKH51 ect . when use it will make surface wear and tear due to long time friction . In order to meet special application, surface of products will add DLC, TiN coating ect, coating application illustration refer to

Coating ejector pin recommend application situation:

- 1. Fast cycle forming or request long term for application life of mould
- 2. Can't apply to this mould with lubricating oil.
- 3. Usage this material of mould easy to produce air(engineering plastics ,including the fiberglass resin)
- 4. Ejector pin easy wear and tear to this mould . (die-casting molds ,including the fiberglass resin)
- 5. Request this mould for high wear resistance, release, corrosion resistance.

标准孔加工参考公差:



轴径公差选择方法:

轴径公差是由顶针前端与型芯配合孔的配合公差来决定的。为了减少运动产生的摩擦阻力,提高型腔内气体的排出效率, 顶杆的轴径公差可采用较大的下偏差数值,确保轴径与型芯配合孔的单边间隙。

当使用流动性较好的树脂或是加大注塑压力进行成形加工时,缝隙处很容易出现毛刺,因此请综合考虑两方面的因素来 选定公差。通常选用 +0 005 的公差。

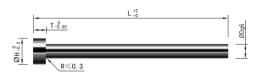
Trunnion tolerance selection method:

The tolerance of shaft diameter is decided this match tolerance by the front of ejector pin and core hole, In order to reduce friction force, increase air removal efficiency in cavity. This tolerance of bar can adopt max lower deviation to guarantee this edge clearance between shaft diameter and core hole

When use better fluidity resin or increase injection press to shaping processing, crack position easy to produce burn, so overall consideration this two side to choose this tolerance, normal choose +0 -0.005 tolerance.







	н	_					@¥/P				
D	н	Т	L50	L100	L150	L200	L250	L300	L350	L400	L450
1.5 1.6 1.7 1.8	3	1.5									
2 2.1 2.2 2.5	4 5	2									
3.1 3.2	6										
3.5	7										
4 4.1 4.2 4.5 4.7	8	3									
5 5.1 5.2 5.5	10										
6 6.1 6.2 6.5 7	12										
8 8.1 8.2 8.5 9	14	5									
1.5 1.6 1.7 1.8 2 2.1 2.2 2.5 2.7 3 3.1 3.2 3.5 3.5 3.7 4 4.1 4.2 4.5 5.5 6 6.1 6.2 6.5 7 8 8.1 8.2 8.5 9 10 10.1 10.2 10.5 10.2 10.5 10.2 10.5	16										
12 12.1 12.2 12.5	18	7									
14 16	22										
14 16 18 20	24 26	8									

模具相关中英文表述二:

入水: gate 进入位: gate location 水口形式: gate type 大水口: edge gate 细水口: pin-point gate 水口大小: gate size 转水口: switching runner/gate

唧嘴口径: sprue diameter

热流道: hot runner, hot manifold 热嘴冷流道: hot sprue/cold runner 唧嘴直流: direct sprue gate 圆形流道: round(full/half runner 流道电脑分析: mold flow analysis 流道平衡: runner balance 热嘴: hot sprue

热流道板: hot manifold

发热管: cartridge heater 探针: thermocouples 插头: connector plug 插座: connector socket 密封/封料: seal





-		Т					@¥/P				
D			L4"	L6"	L8"	L10"	L12"	L14"	L16"	L18"	L20"
1/ 8 9/64	1/ 4	1/ 8									
5/32	9/32	5/32									
11/64	11/32										
3/16 13/64	3/ 8	040									
7/32 15/64	13/32	3/16									
1/ 4											
17/64 9/32	7/16										
19/64 5/16	1/ 2										
21/64 11/32	9/16										
23/64 3/ 8 25/64	5/ 8										
13/32 27/64 7/16 29/64	11/16	1/ 4									
15/32 31/64 1/ 2 17/32	3/ 4										
9/16	13/16										
5/ 8	7/ 8										
11/16	15/16										
3/ 4	1"										
7/ 8	1-1/8										
7/ 8 1"	1-1/4										

模具相关中英文表述三:

喉塞: line plug 喉管:tube 塑胶管: plastic tube

快速接头: jiffy quick connector plug/socker

三板模: 3-plate mold 二板模: 2-plate mold

边钉/导边: leader pin/guide pin 边司/导套: bushing/guide bushing 中托司: shoulder guide bushing

中托边L: guide pin

顶针板: ejector retainner plate

托板: support plate 螺丝:screw

管钉: dowel pin 开模槽: ply bar scot

内模管位: core/cavity inter-lock

顶针:ejector pin

司筒:ejector sleeve

司筒针:ejector pin 推板:stripper plate

缩呵:movable core,return core core puller

扣机(尼龙拉勾):nylon latch lock

斜顶:lifter

模胚(架):mold base 上内模:cavity insert 下内模:core insert 行位(滑块):slide

镶件:insert 压座/斜鸡:wedge

耐磨板/油板:wedge wear plate

压条:plate

撑头:support pillar

唧嘴:sprue bushing

挡板:stop plate 定位圈:locating ring

锁扣:latch 扣鸡:parting lock set 推杆:push bar

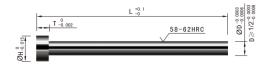
栓打螺丝:S.H.S.B 顶板:eracuretun 活动臂:lever arm

分流锥:spure sperader





H-EE



☎Order H-EEX-D-L M材质:SKH51 H 硬度:58-62HRC

D	н						@¥/P				
			L4"	L6"	L8"	L10"	L12"	L14"	L16"	L18"	L20"
1/ 8 9/64	1/ 4	1/ 8									
5/32 11/64	9/32 11/32	5/32									
3/16 13/64	3/ 8										
7/32 15/64	13/32	3/16									
1/ 4	7/16										
9/32 19/64											
5/16	1/ 2										
21/64 11/32	9/16										
23/64 3/ 8 25/64	5/ 8										
13/32 27/64 7/16 29/64	11/16	1/ 4									
15/32 31/64 1/ 2 17/32	3/ 4										
9/16 5/ 8	13/16 7/ 8										
11/16 3/ 4	15/16 1"										
7/ 8 1"	1-1/8										

模具相关中英文表述四:

水口司: bush 垃圾钉: stop pin

短級句: Stop pii 隔片: buffle

弹弓柱: spring rod 弹弓: die spring

中托司: ejector guide bush

中托边: ejector guide pin 鑲针: pin

销子: dowel pin 波子弹弓: ball ca

波子弹弓: ball catch 喉塞: pipe plug

锁模块: lock plate 斜顶: angle form pin

斜顶杆: angle ejector rod 尼龙拉勾: parting locks

活动臂: lever arm

复位键、提前回杆: early return bar

气阀: valves 斜导边: angle pin 承压平面平衡: parting surface support balance

模排气: parting line venting

回针碰料位: return pin and cavity interference 模总高超出啤机规格: mold base shut hight 顶针碰运水: water line interferes withejector pin

料位出上/下模: part from cavith (core) side

模胚原身出料位: cavity direct cut on A-plate, core direct cut on B-plate.

不准用镶件: Do not use (core/cavity) insert 用铍铜做镶件: use beryllium copper insert

初步(正式)模图设计: preliinary (final) mold design

反呵: reverse core

弹弓压缩量: spring compressed length

稳定性好: good stability,stable 强度不够: insufficient rigidity

均匀冷却: even cooling

扣模:sticking

热膨胀: thero expansion

公差: tolorance

铜公(电极): copper electrode







☎ Order	DH-EEX-D-I	M 材质·SKH51	H 硬度:58-62HRC	B 表面外理·DIC
Order	ロローヒヒメーローL	■ 材 庚:SN H5 I	■ 使度:50-02FRU	D 农田处理: DLU

			@ ¥ /P
1/ 8	1/ 4	1/ 8	-
9/64			
5/32	9/32	5/32	
11/64	11/32		
3/16	3/ 8		
13/64		3/16	
7/32	13/32	0/10	
15/64			
1/ 4			
17/64	7/16		
9/32			
19/64	1/ 2		
5/16	" -		
21/64	9/16		L4"-20"
11/32	5/10		
23/64			
3/ 8	5/ 8		
25/64			
13/32			
27/64	11/16		
7/16		1/ 4	
29/64			
15/32			
31/64	3/ 4		
1/ 2	5, 1		
17/32			
9/16	13/16		
5/ 8	7/ 8		
11/16	15/16		
3/ 4	1"		
7/ 8	1-1/8		
1"	1-1/4		

涂层顶针特点:

- 1. DLC涂层具有硬度高、摩擦系数小等优点,对提高耐磨损性、生产效率以及产品质量都起很大作用;
- 2. 改善耐腐蚀性:工程塑料等在成形时,会产生大量的气体,DLC涂层可防止顶针受气体的腐蚀。

Coating ejector pin feature:

- The advantage of DLC coating with high hardness, small friction coefficient to help enhance productivity and products quality.
- 2. Improve corrosion resistance, Such as engineering plastics when shaping to produce air ,DLC coating can prevent ejector pin from air corrosion resistance.

推荐使用场合:

- 1. 对于快周期成形或要求长期使用寿命的模具;
- 2. 不能使用润滑油的模具(如医疗模具等);
- 3. 使用易产生气体的材料的模具(如工程塑料、 含玻璃纤维树脂):
- 4. 顶针易磨损的模具(压铸模、含玻璃纤维树脂);
- 要求具有高耐磨损性、脱模性、耐腐蚀性的模具; 涂层应用说明详见 \$\infty\$ \$\

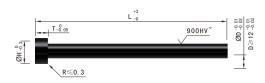
Recommend the use of occasions:

- 1. Fast cycle shaping or ask long service life mould
- 2. Can't apply to this mould with lubricating oil.
- 3. Usage this material of mould easy to produce air(engineering plastics ,including the fiberglass resin)
- 4. Ejector pin easy wear and tear to this mould.
- 5.Request this mould for high wear resistance, release, corrosion





B-EPS



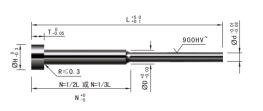
Order	B-EPS-D-L	M材质:SKD	61 🖸 芯	部: 38-42	2HRC S	表面:900	HV~ 表词	面处理:氮	化+发黑处	上理	
					@¥/P						
D			L100	L150	L200	L250	L300	L350	L400	L450	L500
1											
1.2											
1.5											
1.6	6	4									
2		4									
2.5											
3											
3.5	7										
4	8										
4.5											
5	9	6									
5.5											
6 6.5	10										
7	11										
8	13										
9	14										
10	15	8									
12	17										
13	18										
16	21										
20	25										
25	30										

模具相关中英文表述十:

mill锉 plane刨 grind磨 drill钻 boring镗 blinster气泡 fillet镶:嵌边 through-hole form通孔形式 voller pin formality滚针形式 cam driver铡楔 shank摸柄 crank shaft曲柄轴 augular offset角度偏差 velocity速度 production tempo生产进度现状 torque扭矩 spline=the multiple keys花键 quenching淬火 tempering回火 annealing退火 carbonization碳化 alloy合金 tungsten high speed steel钨高速的 moly high speed steel钼高速的

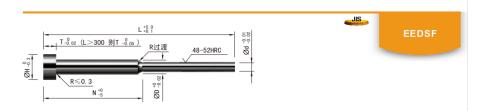
organic solvent有机溶剂 bracket小磁导 liaison联络单 volatile挥发件 resistance电阻 ion离子 titrator滴定仪 beacon警示灯 coolant冷却液 crusher破碎机 plain die简易模 pierce die冲孔模 forming die成型模 progressive die连续模 gang dies复合模 shearing die剪边模 riveting die铆合模 pierce冲孔 forming成型(抽凸,冲凸) draw hole抽孔 bending折弯 trim切边 emboss凸点 dome凸圆

semi-shearing半剪 stamp mark冲记号 deburr or coin压毛边 punch riveting冲压铆合 side stretch侧冲压平 reel stretch卷圆压平 groove压线 blanking下料 stamp letter冲字(料号) shearing剪断 tick-mark nearside正面压印 tick-mark farside反面压印 冲压名称类 extension dwg展开图 procedure dwg工程图 die structure dwg模具结构图 material材质 material thickness料片厚度 factor系数 upward向上 downward向下 press specification冲床规格 die height range适用模高 die height闭模高度 burr毛边 gap间隙 weight重量





Order	ESS	S-D-L-d-N1/2	M	材质:SKD61	S表面:900H	V~ C芯部:	38-42HRC				
D		d 1					@¥/P				
U						L100	L150	L200	L250		
		0.8									
2		1									
		1.2	N=1/2								
		1.5			4						
		0.8									
2.5		1	N=1/3	6							
2.5		1.2	14-170								
		1.5									
		1									
3		1.2									
3		1.5									
		2									



Order	EEDSF-D-L-c	I-N15	■材质:SK	D61 🖽 硬度	:48-52H	RC														
D					@¥/P															
		IN IN			L50	L60	L100	L150	L200	L250	L300									
1.5	0.6- 1.6		3																	
2	0.8- 1.9		4																	
2.5	0.8- 2.4		5																	
3	1 - 2.9		6																	
3.5	1.5- 3.4		7																	
4	1.5- 3.9	N=15- 40	/																	
4.5	2.5- 4.4	N=50-120 N= 125 N= 150 N= 180	N= 125 N= 150	N= 125 N= 150	N= 125 N= 150	N= 125 N= 150	N= 125	N= 125	N= 125											
5	3 - 4.9										N= 150	8	4							
5.5	3.5- 5.4																9			
6	4 - 5.9						9													
6.5	4.5- 6.4		10																	
7	4.9- 6.9		10																	
8	5.9- 7.9		11																	
9	6.9- 8.9		14																	
10	7.9- 9.9		15																	
12	8.9-11.9		17																	
13	9.9-12.9		18																	

在JIS工业此类产品材质为SKD61,硬度为50-55HRC,但在国内模具工业因材质及热处理工艺原因,硬度为48-52HRC。



托针 Wmould Stepped ejector pins

DS-EEDSF



	SF-D-L-d-N15	М 材质:SKD61	■ 硬度:48-52HRC	S表面处理: DLC	
D	d		н	Т	@¥/P L
1.5 2 2.5 3.5 4.5 5.5 6.5 7 8 9 10 12	0.6-1.6 0.8-1.9 0.8-2.4 1.5-2.9 1.5-3.4 1.5-3.9 2.5-4.4 34.9 3.5-5.4 45.9 4.5-6.4 4.9-6.9 5.9-7.9 6.9-8.9 7.9-9.9 8.9-11.9	N=15- 40 N=50-120 N= 125 N= 150 N= 180	3 4 5 6 7 8 9 10 11 14 15 17 18	4	L50-300

涂层顶针特点:

- 1. DLC涂层具有硬度高、摩擦系数小等优点,对提高耐磨损性、生产效率以及产品质量都起很大作用;
- 2. 改善耐腐蚀性:工程塑料等在成形时,会产生大量的气体,DLC涂层可防止顶针受气体的腐蚀。

Coating ejector pin feature:

- The advantage of DLC coating with high hardness, small friction coefficient to help enhance productivity and products quality.
- 2. Improve corrosion resistance, Such as engineering plastics when shaping to produce air, DLC coating can prevent ejector pin from air corrosion resistance.

推荐使用场合:

- 1. 对于快周期成形或要求长期使用寿命的模具;
- 2. 不能使用润滑油的模具(如医疗模具等);
- 3. 使用易产生气体的材料的模具(如工程塑料、 含玻璃纤维树脂);
- 4. 顶针易磨损的模具(压铸模、含玻璃纤维树脂);
- 5.要求具有高耐磨损性、脱模性、耐腐蚀性的模具; 涂层应用说明详见配容 P998

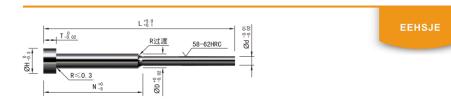
Recommend the use of occasions:

- 1.Fast cycle shaping or ask long service life mould
- 2. Can't apply to this mould with lubricating oil.
- 3.Usage this material of mould easy to produce air(engineering plastics ,including the fiberglass resin)
- 4. Ejector pin easy wear and tear to this mould .
- 5.Request this mould for high wear resistance, release, corrosion resistance.





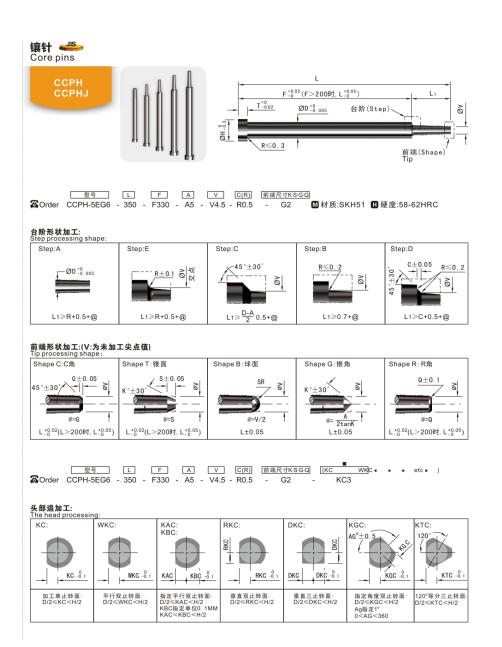
Order	EEJS-	·D-L-D-N	M材质:SKD61 S	表面:900HV~ C			
							@¥/P
4		100 -150 150.01-200 200.01-250	1.5-3	50 70 100 100 125	8		
5		100 -150 150.01-200 100 -150	3 -4	50 70 100 100 125	9	6	
6		200.01-250 150.01-200 200.01-250	4	50 70 100 100 125	10		

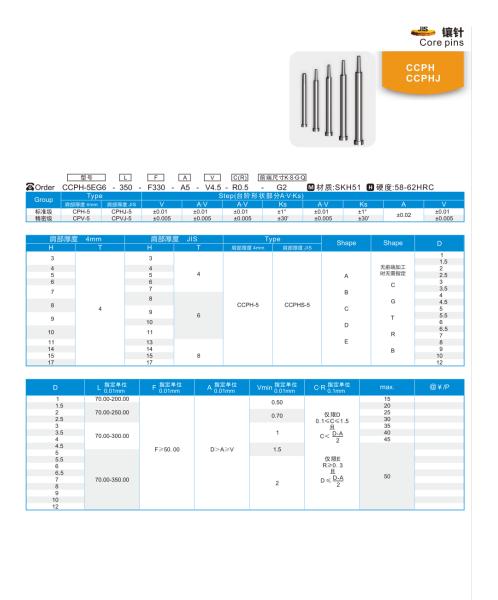




在JIS工业此类产品材质为SKH51, 硬度为58-60HRC, 但在国内模具工业因材质及热处理工艺原因, 硬度为58-62HRC,

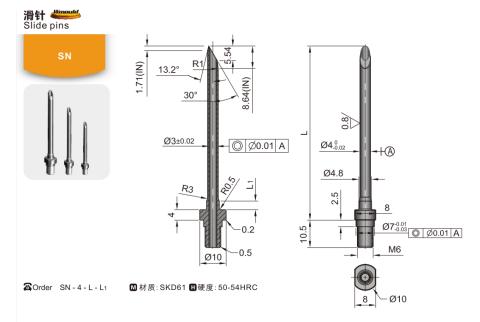








Wmould

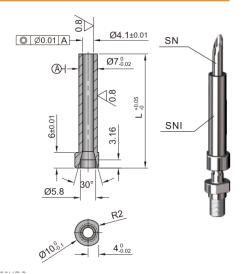




滑针可进行非标订制, 直径公差在0.02mm以内, 同心度在0.01mm以内。

Slide pin is also called blowing pin, extensively used in a parts of plastic hollow molding machine, The function of blowing pin in hollow plastic products shaping from blowing pin inlet some pressure of compress air to blow out shaping base. so stick on mold cavity wall tightly, After cooling finalize the design, get same appearance plastic hollow products with mold external form after dropping mold.

Slide pin can nonstandard processing and custom made. Diameter tolerance within 0.02mm and concentricity within 0.01mm



维氏硬度计/顶针、司筒直线度检测标准看板

Vickers hardness tester/Ejector pins & Ejector sleeve board

维氏硬度计:

Vickers hardness tester:

产品型号: HV-1000显微维氏硬度计

外形尺寸:长405×宽290×高480(mm)

Products code:HV-1000 The microscopic Vickers hardness tester Outline size:Length 405xwide 290xHigh480mm

产品特点:

- 此维氏硬度计造型新颖;
- ·设计小巧轻便,总重量约25KG,便于搬送;
- ·使用方便,可切换模式选择维氏和努普硬度的测量;
- ·光机电一体化组成,自带LCD显示屏,具有良好的可操作性及直观性,测量精度高。

Products feature:

- · Novel modelling.
- · Design smart: Total weight about 25KG, easy to move.
- \cdot easy to use it, can change different model between Vickers and Knoop hardness.

适用范围:

- ·测定微小、薄件、表面渗碳、表面氮化钢件的表面维氏硬度;
- · 测定玻璃、陶瓷、玛瑙、人造宝石等较脆而硬的表面努普硬度。

Range of application:

- · Test small, thin, surface carburizing, surface Vickers hardness of surface nitrided steel parts.
- · Test glass, ceramics, agate, Artificial gem ect much fragile and hardness of surface Knoop hardness.

用途:

主要用于SKD61、SKD51材料的顶针、司筒及预硬钢料等零件表面氮化维氏硬度检验。

Application:

Mainly used in SKD61, SKH51 material of ejector pin. sleeve, harden steel material, etc. parts surface nitrided Vickers hardness test.

若您需要购买此维式硬度计,欢迎来电咨询

If you need to buy Vickers hardness tester, welcome call us.

顶针、司筒直线度检测标准看板:

Ejector pins & Ejector sleeve board:

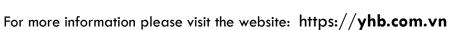


看板配合长度100mm, 孔径采用精密慢走丝加工;

主要用于顶针、司筒的直线度检测,适用于多种规格,公制1-10mm,英制3/64-3/8;使用方便,操作简单,所检测顶针、司筒需顺畅通过其对应标准孔。

board Length 100mm. hole diameter adopt high precision CNC wire cut processing. Mainly used in ejector pin, sleeve, straight line test apply to various codes. metric1-10mm...Inch 3/64-3/8.

Easy to use and simplicity of operator, All test ejector pin , sleeve need smooth through corresponding standard holes.



产品专利 PATENT CERTIFICATE



专利号: ZL 2012 2 0020054.0



产品特点:

- ●独特的设计,一体化的装置;
- ●安装简单,外形精巧,占用空间小;
- ●需配做加工"△"形槽;
- ●简单经济、坚固耐用,能使用单个或多个限位夹, 以达到更大的荷重。



专利号: ZL 2012 2 0020131.2



P122



产品特点:

- ZZ5130定位珠外形设计小巧,占用安装空间小;
- ZZ5130定位珠是定位珠系列中安装最为方便的产品之一;
- 此款精密版定位珠采用机械精密加工而成,定位更精准。







产品概述 Products Summary

Products Summary												
图示	品名	型号		型 精密/标准	材质	页码	说明					
8		ZZ5130-13 ZZ5130-18 ZZ5130-27	公制 DIN	精密型 (机加工)	SKD61	P109						
		ZZ5130-13B ZZ5130-18B	公制 Wmould	标准型 (精铸)	SKD61	P110						
Ü		ZZ5134	公制 DIN	-	SKD61	P111						
		ZZ5140-0 ZZ5140-1	公制 DIN	精密型 (机加工)	SKD11	P112						
		ZZ5140-0B ZZ5140-1B	公制 Wmould	标准型 (精铸)	4118	P113						
		ZZ5140-2	公制 DIN	精密型 (机加工)	SKD11	P114	1.标准型定位珠均采用合金					
		EE3044	公制 DIN	-	SKD11	P115	材质精铸而成,坚固耐用; 2.精密型定位珠均采用机加 工工艺精密加工,定位更					
10 10		SSLK-8A	美制 AISI	精密型 (机加工)	SKD11	P116	精准。 1.Standard slide holding devices adopt alloy material					
	定	SSLK-8AB	美制 AISI	标准型 (精铸)	4118	P117	to processing, firm and durable. 2.Precision slide holding device adopt machining					
il n	位珠	SSLK-25A SSLK-50A	美制 AISI	精密型 (机加工)	SKD11	P118	precision processing, fixed position much accuracy.					
9	-2/1	珠	环	SSLK-25AB	美制 AISI	标准型 (精铸)	4118	P119				
96		SSRT	美制 AISI	-	FDAC	P121						
		SSRTM	公制 AISI	-	FDAC	P121						
			美制	精密型(机加工)	SKD11	P122						
9		PPSR	AISI	标准型 (精铸)	SCM435	P122						
			公制 AISI	-	SKD11	P124						
		SSLLK	公制 JIS	-	SKD11	P125						
		BSJ	公制 JIS	-	S45C	P126						
		BPJ	公制 JIS	-	SUS304	P126						

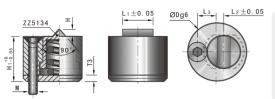


产品概述 Products Summary

スプログロ 英型												
图示	品名	型号		精密/标准	材质	页码	说明					
		RRC	公制	-	8047	P127	1.标准型定位珠均采用合金 材质精铸而成.坚固耐用; 2.精密型定位珠均采用机加 工工艺精密加工,定位更					
		RRM	公制	-	8407	P128	精准。 3.RRC、RRM、PPSL、 PPSM限位夹不但具有限 位功能,在合模顺序无要 求情况下可当作锁模扣使 用。					
Ç.		ZZ189	公制 DIN	精密型 (机加工)	SKD11	P129	如下图所示! 1.Standard slide holding devices adopt alloy material					
100		22189	公制 Wmould	标准型 (精铸)	4118	P129	to processing, firm and durable. 2. Precision slide holding device adopt machining					
		ZZ5135 ZZ5136	公制	-	Cr12MoV	P131	precision processing, fixed position much accuracy. 3.RRC, RRM, PPSL, PPSM slide retainer not only with limit function, but also with latch lock function when not request during closed mould sequence.					
	限	PPSL	美制 AISI	精密型 (台湾制造)	4118	P133						
	位夹	PPSL	美制 Wmould	标准型 (精铸)	SCM435	P133	Wmould					
0		PPSM	公制 AISI	精密型 (台湾制造)	4118	P135						
		PPSM	公制 Wmould	标准型 (精铸)	SCM435	P135	●					
101		MMRT	公制 AISI	精密型 (台湾制造)	4118	P137	PL-2					
1		MMKT	公制 Wmould	标准型 (精铸)	SCM435	P137						
							开模状态 Mold opened					

专利号: ZL 2012 2 0020131.2

定位珠 Slide holding devices





ZZ5130



产品特点:

- 1.ZZ5130定位珠外形设计小巧,占用安装空间小;
- 2. ZZ5130定位珠是定位珠系列中安装最为方便的产品之一;
- 3. 此款精密版定位珠采用机械精密加工而成,定位更精准。

Features:

- 1.ZZ5130 Slide holding devices with outside small shape and occupy the small space.
- 2.ZZ5130 Slide holding devices is the best convenient installment of the slide retainer series.
- 3.ZZ5130 Slide holding devices adopts precision machining to make location more accurate.

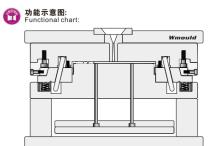
Corder ZZ5130-13			■材质	:SKD61	田硬度	❶硬度:52±2°HRC □ 使用环境:Max100℃								
		Cod	le			L2	L3				安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P	
	ZZ5130-13	3	精密型	13	6.6	1.4	4.3	1	10	1.6	M2-16	3.5		
	ZZ5130-18	8		18	9.6	2	6	1.8	14	2	M3-20	4.5		
			precision											



- ·使用此款产品的模具必须在行位上对应位置加工"A"型槽;
- ·模具上所加工安装孔必须与"A"型槽垂直,以便发挥最大限位功能。

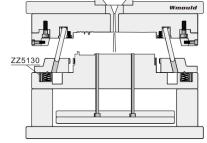
Installation Guidelines:

- · Use this type mold must process the "\"groove at the corresponding position on the slide.
- The processing installed hole in mold and "\"groove must be 90 degree, to make the biggest function from the lock.



合模状态

Mold closed



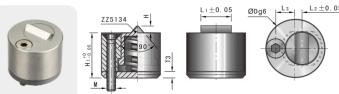
开模状态 Mold opened

For more information please visit the website: https://yhb.com.vn



定位珠 ^{DIN} Slide holding devices





产品特点:

- 1.ZZ5130定位珠外形设计小巧,占用安装空间小;
- 2. ZZ5130定位珠是定位珠系列中安装最为方便的产品之一。
- 3. 此款标准版定位珠采用精铸工艺铸造成,坚固耐用。

Features:

- 1.ZZ5130 Slide holding devices with outside small shape and occupy the small space.
- 2.ZZ5130 Slide holding devices is the best convenient installment of the slide retainer series.
- 3.ZZ5130 Slide holding devices adopts precision machining to make location more accurate.

Order	ZZ5130-13B	₩材质	:SKD61	田硬度	:52±2 H	RC 🛛	□ 使用环境:Max100℃				
	Code		11	12	13		H1	T3	安装		

Code			L2	L3				安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
ZZ5130-13B 标:	准型 13	6.6	1.4	4.3	1	10	1.6	M2-16	3.5	
	ndard 18	9.6	2	6	1.8	14	2	M3-20	4.5	



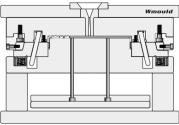
🬇 安装使用说明:

- ·使用此款产品的模具必须在行位上对应位置加工"A"型槽;
- ·模具上所加工安装孔必须与"A"型槽垂直,以便发挥最大限位功能。

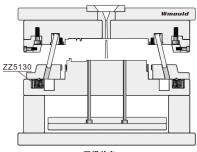
Installation Guidelines:

- · Use this type mold must process the "\"groove at the corresponding position on the slide.
- · The processing installed hole in mold and "∧" groove must be 90 degree, to make the biggest function from the lock.



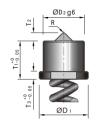


合模状态



开模状态

定位珠 Slide holding devices











产品特点:

1.结构简单,安装方便;

2.应用广泛,可单独安装使用,也可配合行位机构ZZ4200使用。

1. Simple structure, convenient installment.

2. Use widely, can be single installment for using , also can be used to match up with Slide retainer ZZ4200. 🦳 安装使用说明:

・在安装时建议定位珠的上表面应低于安装模板或耐磨板上表面约0.05至0.1mm。(如图1所示)

about for 0.05mm to 0.1mm.

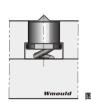
Installation Guidelines: ·Surface on the slide holding devices should be lower than surface of template installed or wear plate

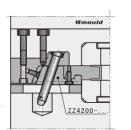
Order ZZ5	5134-7	■材质	:SKD61	田硬度	:52±2°HF	RC U值	使用环境:N	/ax100℃			
Code										荷重(Kgf) Max. holding weight	@¥/P
ZZ5134- 7	7	6.6	7	1	1.4	6.3	8.4	5.3	0.35	3.5	
ZZ5134-10	10	9.6	10	1.8	2	9	12	8.3	0.50	4.5	
ZZ5134-15	15	14.4	15	2.8	3	13.5	18	12.4	0.75	9.5	

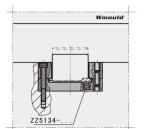




图3



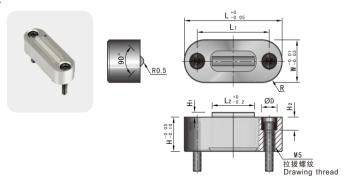






定位珠 ^{DIN} Slide holding devices





产品特点:

- 1.与SSLK系列相比,弹簧采用内置式,安装更方便;
- 2.加长的90度限位挂台,使其限位更平衡,稳定。

- 1. Compared with SSLK series, Spring adopt built-in type, easy to installation.
- 2. The extended 90 ° degree V-groove shoulder ensure the lock more balanced and stable.

Order	ZZ5140-0	M材质:SKD11	H硬度:52-54HRC	■使用环境:Max100°C

Code						L2					安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
ZZ5140)-0 精密型	0	6	38	28	16.5	14	12	4.0	4.5	M4-16	7	
ZZ5140	0-1 precision	0	8	53	43	32	18	14	1.8	4.5	M4-25	12	



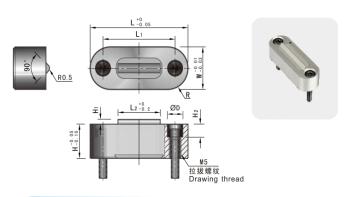
- · 依开框尺寸示意图加工安装槽;
- ·产品后续取出时,用拉拔器一端连接产品上的拉拔螺纹拔出即可。

Installation Guidelines:

·As opened size diagram to process and install groove.

·When need to take out product, use one end of puller to connect with drawing thread to pull out.

开框尺寸示意图: 安装示意图: Dimension chart: H±0.02 安装螺丝 Mounding L₁ screws



定位珠 Slide holding devices



产品特点:

- 1.采用精密合金铸造,坚固耐用;
- 2.与SSLK系列相比,弹簧采用内置式,安装更方便;
- 3.加长的90度限位挂台,使其限位更平衡,稳定。

Features:

- 1.Precision alloy casting, Firm and durable.
- 2. Compared with SSLK series, Spring adopt built-in type, easy to installation.
- 3. The extended 90 degree slide shoulder ensure the lock more balanced and stable.

Order	ZZ5140-0B	₩材质	贡:4118	田度	:55-60	HRC	□ 使用环境:Max100℃			2					
Code						L2					安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P		
ZZ5140-01		8	6	38	28	16.5	14	12	1.8	4.5	M4-16	7			

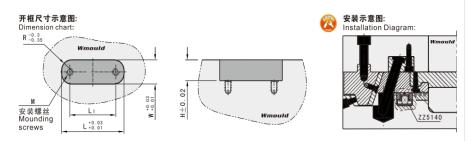
🦳 安装使用说明:

- · 依开框尺寸示意图加工安装槽;
- ·产品后续取出时,用拉拔器一端连接产品上的拉拔螺纹拔出即可。

Installation Guidelines:

·As opened size diagram to process and install groove.

·When need to take out product, use one end of puller to connect with drawing thread to pull out.



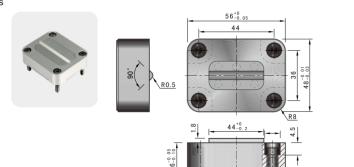




Slide holding devices

ZZ5140





Order ZZ5140-2 M材	质:SKD11 日硬度:52-54HRC	□ 使用环境:Max100℃	
Code	安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@ ¥ /P
ZZ5140-2	M4-25	25	

🕋 安装使用说明:

·依开框尺寸示意图加工安装槽;

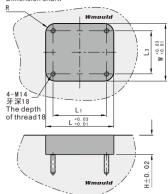
·产品后续取出时,用拉拔器一端连接产品上的拉拔螺纹拔出即可。

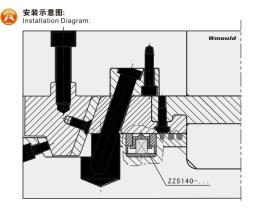
Installation Guidelines:

·As opened size diagram to process and install groove.

·When need to take out product, use one end of puller to connect with drawing thread to pull out.

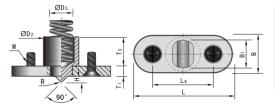
开框尺寸示意图: Dimension chart:





拉拔螺纹

Slide holding devices





EE3044



产品特点:

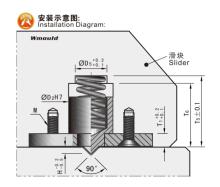
- 1.独特的结构设计,安装方便;
- 2.主要由弹簧、内镶件、挡板、螺丝几部份组成;
- 3.内镶件采用SKD11材质制作, 更经久耐用。

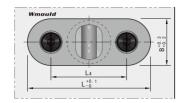
Fetures:

- Unique structure Design, simple and convenient installment.
- 2.It is consist of spring, inner insert, baffle and screw. 3.The material is SKD11 for inner insert, which is
- 3. The material is SKD11 for inner insert, which is prolonged and durable use.

☎Order EE3044-8

Code					F(N)		L4								@¥/P
EE3044- 8	9	5	12	8	28	30	18	3	11	19	17	1.2	0.35	M4	
EE3044-12	13	8	16	12	38	38	22	4	14	24	22	2.2	0.5	IVI4	
EE3044-16	18	12	20	16	30	50	30	5	22	34	32	3.2	0.8	M5	







② 内镶件: M 材质:SKD11 日硬度:55-60HRC Inner insert:



安装使用说明:

- ·产品可以采用倒装于滑块内;
- · "V"形槽需客户自行加工;
- · 安装前需精确计算行程。

Installation Guidelines:

- ·The product can adopt flip chip in slider.
- "V" groove need be processed by yourself.
 Need to calculate the travel accurately before installment.

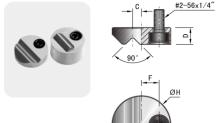


定位珠 AISI

Slide holding devices

SSLK

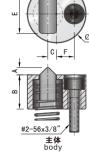




注:标准型不提供盖板

notice:the standard type don't offer

r cover.	



Order	SSLK-8A	М材质:SKD11	H 硬度:55-62HRC

	Co	de									荷重 (Kgf) Max. holding weight	@¥/P
ı	SSLK-8A	精密型	1.57	7.49	1.9	3.68	8.64	3.81	3.81	12.65	2.5	
П	SSLN-OA	precision	(0.062)	(0.295)	(0.075)	(0.145)	(0.34)	(0.15)	(0.15)	(0.498)	3.5	

产品特点:

- 1.此款产品为所有限位夹中体积最小,可充分合理的 利用空间;
- 2.配有盖板, 使滑块与限位夹配合更精密;
- 3.能有效的预防滑块逐渐松动的问题;
- 4.高硬度材质,坚固耐用,寿命更长。

- ·.安装时将盖板安装到滑块上, 主体安装到模板上。
- ·.开框前请精确计算好滑块行程。

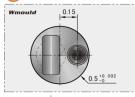
- 1. Ultra-compact design fits with the mold in very limited installation.
- 2. The slide devices can coordinate and hold more precise with their cover.

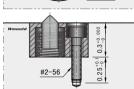
 3. Prevent the slider become flexible.
- 4. High strength tool material construction provides durable production life.

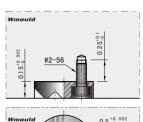
Installation Guidelines:

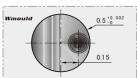
- ·The cover need on the slide, body need on the module when install.
- ·The slide stroke need refined calculation before

安装示意图: Installation Diagram:

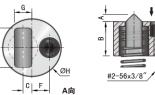








ALSI 定位珠 Slide holding devices











注:标准型不提供盖板

notice:the standard type don't offer cover

产品特点:

- 1.此款产品为所有限位夹中体积最小,可充分合理的利用空间;
- 2.采用合金材质精密铸造而成,坚固耐用。

- 1. This product are smallest volume in all slide retainer can fully and reasonably to use of space. Adopt alloy material precision casting, firm and durable. 2. The slide devices can coordinate and hold more precise with their cover.

T	SSLK-8AB	M 材 质·4118	□ 確度:55-60HRC	

Co	ode									荷重(Kgf) Max. holding weight	@¥/P
SSLK-8AB	标准型 standard	1.57 (0.062)	7.49 (0.295)	1.9 (0.075)	3.68 (0.145)	8.64 (0.34)	3.81 (0.15)	3.81 (0.15)	12.65 (0.498)	3.5	

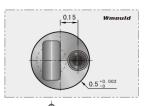


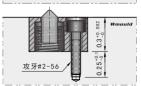
- ·此型号不提供盖板,安装时需自行在滑块上加工"A"型槽;
- ·模具上所加工安装孔必须与"A"型槽垂直,以便发挥最大限位功能。

Installation Guidelines:

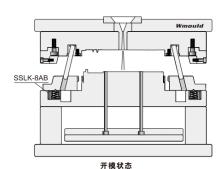
·SSLK-8AB don't offer cover, need customer own process " \(\) - groove "on the slide when installation. The installed hole need be vertical with "A-groove" to make the biggest function from the lock.

安装示意图: Installation Diagram:







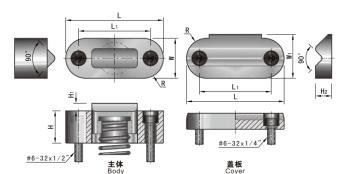




定位珠 🏭 Slide holding devices







产品特点:

- 1.相对于SSLK-8A, 其外形为长椭圆形, 外型尺寸设定合理, 增加其载荷力;
- 2.加长的90度限位挂台,使其限位更平衡、稳定。

Compared with SSLK-8A, SSLK-25A is oval with reasonable size to rate up holding more weight.
 The extended 90 degree shoulder ensure the lock more balanced and stable.

- ·安装时将盖板安装到滑块上, 主体安装到模板上。
- 开框前请精确计算好每块行程。

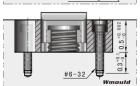
Installation Guidelines:

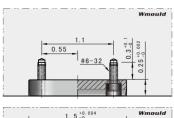
- ·The cover need on the slide, body install on mould board. ·The slide stroke need refined calculation before opened.

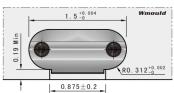
Order	SSLK-25A	M 材质:SKD11	■ 硬度:55-62HRC

Co	ode									安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
SSLK-25A	精密型	37.95	27.94	12.67	2.97	6.32	15.75	17.27	7.92	#6-32-1/2	11.25	
SSLK-2SM	precision	(1.494)	(1.1)	(0.499)	(0.117)	(0.249)	(0.62)	(0.68)	(0.312)	#6-32-1/4	11.23	



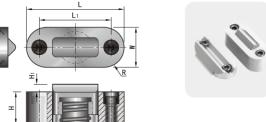








AS 定位珠 Slide holding devices









注:标准型不提供盖板

notice: the standard type don't offer cover.

产品特点:

- 1.相对于SSLK-8A, 其外形为长椭圆形, 外型尺寸设定合理, 增加其载荷力;
- 2.加长的90度限位挂台,使其限位更平衡、稳定;
- 3.采用合金材质精密铸造而成,坚固耐用。

- 1.Compared with SSLK-8A, SSLK-25A is oval with reasonable size to rate up holding more weight. 2.The extended 90 degree shoulder ensure the lock more balanced and stable.
- 3.SSLK-25A adopts precision alloy, with strong, durable construction.

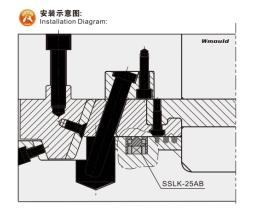
安装使用说明:

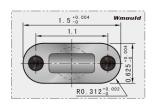
此型号不提供盖板,安装时需自行在滑块上加工"个"型槽。

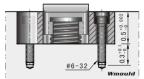
Installation Guidelines:

·SSLK-25A don't offer cover, need customer own process " ^-groove" on the slide when installation.

Order	SSLK-25AB	M 材.	质:4118	🗓 硬.	度:55-60	HRC						
Code										安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
SSLK-25A	B 标准型 standard	37.95 (1.494)	27.94 (1.1)	12.67 (0.499)	2.97 (0.117)	6.32 (0.249)	15.75 (0.62)	17.27 (0.68)	7.92 (0.312)	#6-32-1/2 #6-32-1/4	11.25	

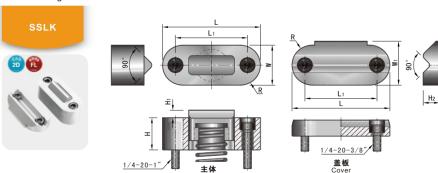








定位珠 AISI Slide holding devices



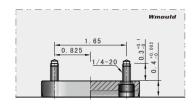
Order SSL	.K-50A	₩材质:	SKD11	₩硬度:55	-62HRC						
Code									安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
SSLK-50A	58.22	41.91	21.84	4.34	9.78	25.3	26.87	12.7	1/4-20-1"	22.5	

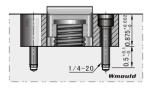
- ·SSLK-50A定位珠荷重22.5kgf, 主要应用于注塑模中;
- ·可多个限位夹同时安装在模具上,以达到更大的荷重;
- ·盖板通常安装在滑块内,外形为长椭圆形设计,易于模具开框加工与安装。

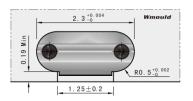
Installation Guidelines:

- ·The slide holding devices of SSLK-50A can hold weight 22.5kgf, be mainly used to Injection mould.
- ·Several slide retainers can be installed in mold, in order to bear more load.
- ·The cover is usually installed in slider, with oval shape design, easy to mold open and installment.

安装示意图: Installation Diagram:

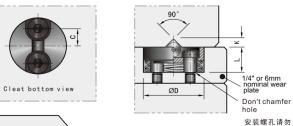




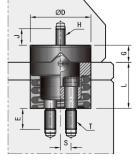


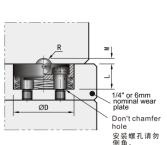


AIS 定位珠 Slide holding devices









产品特点:

- 1.相比其它定位珠,不易损伤行位机构的滑块;
- 2.定位部分为滚珠结构,相比滑动结构,摩擦 力减小; 滑块滑动更顺畅;
- 3.定位珠安装螺孔请勿倒角,如有倒角安装螺 丝将有可能会陷入安装螺孔内(如图)。

Fetures:

- 1. Compared with other slide holding devices, can protect the retainer from damage.
- 2. The location parts is ball, can be friction reduced and slide smooth.
- 3.Don't chamfer hole when install, the screw will fall into hole if chamfer.

Order	SSRT-30	M ᡮ	オ质:FDA	C 🛚 🖽 碩	€度:900ト	·lV∼							
Code	D +0.005		S ±0.002			荷重(lbs) Max holding weight	@¥/P	盖板 Cleat code	G±0.001				@¥/P
SSRT-30	0.75	0.5	0.15	#8-32	0.19	30		SSRTC-30	0.25	0.25	#6-32	0.25	
SSRT-80	0.875	0.75	0.15	#0-32	0.245	80		SSRTC-80		0.3			

Order	SSRTM-(04 🛮 🗖 ホ	オ质:FDA	C 🗓 碩	度:900H	·lV~							
Code	D +0.005		S ±0.002			荷重(lbs) Max.hakding weight	@¥/P	盖板 Cleat code	G±0.001				@¥/P
SSRTM-13	19.1	12.7	3.8	M4	4.8	13.5		SSRTMC-13	6.35	6.35	M3	6.35	
SSRTM-36	22.3	19.05	3.0	IVI++	6.2	36		SSRTMC-36		7.6			

0-4-	V-Groove	Ball	Cut	0-4-	V-Groove	Ball	Cut
Code	K	R	M	Code	K	R	M
SSRT-30	0.078	0.125	0.03	SSRTM-13	2	3mm	0.75mm
SSRT-80	0.078	0.125	0.03	SSRTM-36	2mm	SIIIII	0.7511111

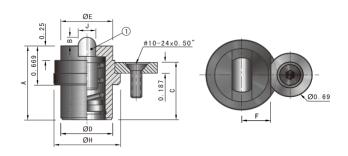


美制定位珠 🕌

Slide holding devices







RC

Code									
PPSR-1000	精密型	1.08	0.072	0.795	0.62	0.63	0.375	0.866	0.188
PPSR-2000		1.32	0.121	1.035	0.74	0.748	0.42	0.984	0.250
PPSR-4000	precision	1.26	0.149	0.975	0.87	0.866	0.468	1.102	0.312

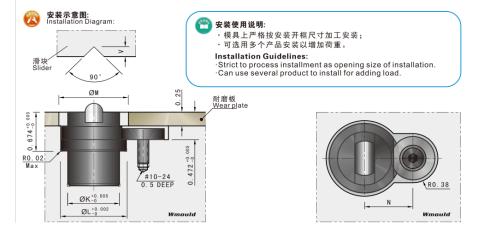
Со	ode	٧	К	L		N	荷重(Kgf) Max. holding weight	@¥/P
PPSR-1000	精密型	0.091	0.625	0.869	0.94	0.67	4.5	
PPSR-2000		0.153	0.750	0.987	1.06	0.715	9	
PPSR-4000	precision	0.194	0.875	1.105	1.19	0.763	18	

产品特点:

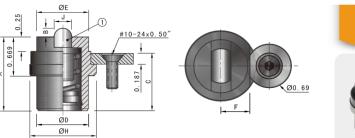
- 1.独特的设计,一体化的装置;
- 2.安装简单,外形精巧,占用空间小;
- 3.需配做加工"△"形槽;
- 4.简单经济、坚固耐用,能使用单个或多个限位夹,以达到更大的荷重。

Fetures:

- 1. Self-contained design, integrative device.
- 2. Easy installation, and small in size.
- 3. Must process "V" groove in the mold to install PPSR.
- 4.Strong, durable construction.can be used to bear load
- by one or more to meet requirements.



专利号: ZL 2012 2 0020054.0



AIS 定位珠 Slide holding devices



	☎Order PPSR-1000B ■材质:SCM435 ■硬度:50-55HRC												
Co	ode												
PPSR-1000B	标准型	1.08	0.072	0.795	0.62	0.63	0.375	0.866	0.188				
PPSR-2000B	standard	1.32	0.121	1.035	0.74	0.748	0.42	0.984	0.250				

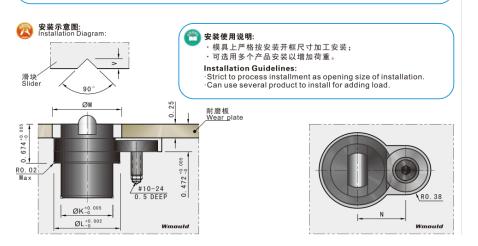
Cor		٧	К	L	М	N	荷重(Kgf) Max. holding weight	@¥/P
PPSR-1000B	标准型	0.091	0.625	0.869	0.94	0.67	4.5	
PPSR-2000B	standard	0.153	0.750	0.987	1.06	0.715	9	

产品特点:

- 1.独特的设计,一体化的装置;
- 2.安装简单,外形精巧,占用空间小;
- 3.需配做加工"△"形槽;
- 4.简单经济、坚固耐用,能使用单个或多个 限位夹,以达到更大的荷重。

Fetures:

- 1. Self-contained design, integrative device.
- 2.Easy installation, and small in size.
- 3. Must process "V" groove in the mold to install PPSR.
- Strong, durable construction.can be used to bear load by one or more to meet requirements.



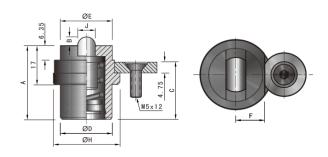


公制定位珠 🐸

Slide holding devices

PPSR





产品特点:

- 1.独特的设计,一体化的装置;
- 2.安装简单,外形精巧,占用空间小;
- 3.需配做加工"△"形槽;
- 4.简单经济、坚固耐用,能使用单个或多个限位夹,以达到更大的荷重。

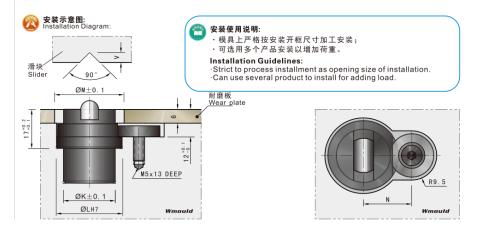
Fetures:

- 1. Self-contained design, integrative device.
- 2. Easy installation, and small in size.
- 3. Must process "V" groove in the mold to install PPSR.
- 4.Strong, durable construction.can be used to bear load by one or more to meet requirements.

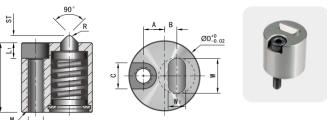
☎Order PPSR-100 ■材质:SKD11 ■硬度:58-62HRC

Code								
PPSR-100	27.43	1.83	20.2	15.75	16	9.52	22	4.78
PPSR-200	33.53	3.07	26.3	18.8	19	10.67	25	6.35
PPSR-400	32	3.78	24.76	22.1	22	11.86	28	7.92

Code	V	К	L	М	N	荷重(Kgf) Max. holding weight	@¥/P
PPSR-100	2.3	15.87	22	24	17	4.5	
PPSR-200	3.9	19.05	25	27	18.2	9	
DDCD-400	4.0	22.22	20	20	10.4	10	



定位珠 Slide holding devices





Order	SSLLK1	6-C	₩材质	₹:SKD1	11 日旬	更度:58	-62HR	C						
Code												安装螺丝 Mounting screws	荷重(Kgf) Max. holding weight	@¥/P
SSLLK16-C	16	1.6	15	3.3	5	2.5	6	3.2	8	4	1	M3	2.9	
SSLLK16-F	10	1.0	10	0.0	J	2.0	Ü	0.2	U	7		IVIO	8	
SSLLK20-F	20		20	4.5		0.5	7.5	4.0	40	-		M4	6.4	
SSLLK20-L	20	2	20	4.5	6	3.5	7.5	4.3	10	5	1.1	M4	11.2	

产品特点:

- 1.此定位珠主要应用于大型行位机构;
- 2.采用面接触设计,降低了接触面的单位压强,从而有效防止行位机构损伤。

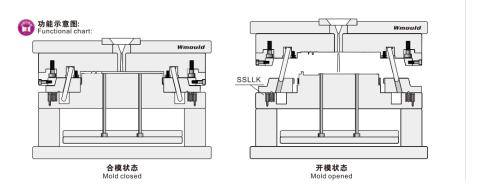
Fetures:

- 1. This type slide holding devices are mainly used in large-scale retainer construction.
- 2. Face to face design, to reduce the pressure of surface and be effective to protect retainer construction from damage.

🜇 安装使用说明:

- ·使用此款产品的模具必须在行位上对应位置加工"A"型槽;
- ·模具上所加工安装孔必须与"A"型槽垂直,以便发挥最大限位功能。
- ·.负载过大,可能导致斜导柱烧结现象,建议减少滑块阻力或使用低负截定位珠。

- ·The mold will use SSLLK, need process " \lambda -groove" on the corresponding location of the lock.
- ·The installed hole on the mold need be vertical with " \(\lambda \) -groove" to make the biggest function from the lock
- ·The heavy load may lead to the slider angle pin to sintering, Be better to reduce the hinder strength or use the underload slide holding devices.

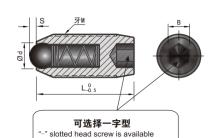




定位珠/滑块止动销 🖐 Slide holding devices / Slide Stoppers





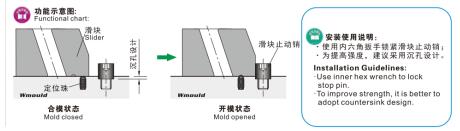


☎Order BSJ-I	M M BSJ	材质:S45C	MBPJ 材质	: SUS304	
Code					

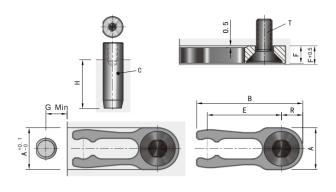
Code							max.	@¥/P
	4	2.5	9	2	0.7	3.9	9.8	
	5	2	12	2.5	0.9	4.9	19.6	
BSJ	6	3	13	3	1	9.8	29.4	
BPJ	8	4	15	4	1.5	12.7	39.2	
DI 3	10	5	16	5	2.0	18.6	49	
	12	7	20	6	2.5	19.6	58.8	
	16	9.5	25	8	3.5	29.4	98	



	™ 材质:S45C	H 硬度:33-38HRC	表面处理:表面发黑	<u> </u>	
n	M×P	sw			@¥/P
D .	IVI^F	J 300			
10	M 6×1.0	5	4	10	
16	M10×1.5	8	5	15	15-40
20	M12×1.75	10	6	18	15-40
25	M16×2.0	14	9	24	



₽№限位夹 Slide retainers





☎ Order RR	C-123006	■材」	贡:8407	❶ 硬度:40-45HRC								
Code								K(kg)			@¥/P	
RRC-123006	12	30	6×20	21	5	4	16	5	6	M 5×16		
RRC-164008	16	40	8×20	28	6	5	15	7	8	M 6×25		
RRC-205010	20	50	10×24	34	8	6	17	14	10	M 8×30		
RRC-246012	24	60	12×32	42	10	7	23	21	12	M10×40		
RRC-328012	00	00	4040	50	12		27	28	40	144050		
DDC 229016	32	80	16×40	56	16	9	26	20	16	M12×50		

产品特点:

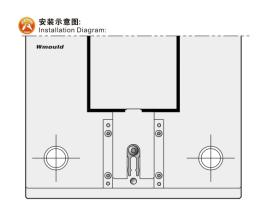


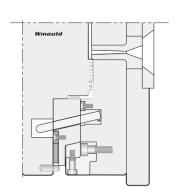
1.结构简单实用,安装固定只需很小的空间。 쯤 安装使用说明:

- ·产品常安装在行位块底部;
- ·限位销钉安装位置必须与限位夹开口方向一致;
- ·安装前必须精确计算行程,以免损坏产品。

Simple structure and practical using, occupy small space for installment and fixation.

- ·The product usually to be installed on the bottom of slide retainer.
- Dowel pin installed and the opening of slide retainer must be in the same direction.
- ·Retainer travel need accurate calculation before installment to protect the product from damage.





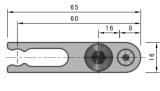


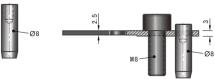












产品特点

一 此称: 在限位夹,对延迟模具的分开和闭合是非常有用的,标准夹持力(7.5kg),可搭配使用,同时设计安装方便、操作简单;它能够通过增加夹子的数量来增大限位夹的荷重。

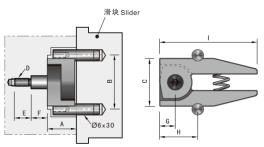
Features

The RRM retainer is, useful for moulds that require delayed opening of parting line. Standard holding weight is 7.5kgf, Can be increased by adding clips. can be easy installation and operate.

Order	RRM-651608	₩材质:8047	H 硬度:40-45HRC			
	Codo		荷重(Kgf)Ma	ax. holding weight		@ v in
	Code		W2		W4	@ # /P
RF	RM-651608	7.5	15	22.5	30	



ND 限位夹 Slide retainers







产品特点:

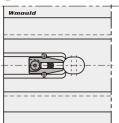
- 1.此限位夹主要应用于大型行位机构;;
- 2.安装简单,采用双销钉定位,受力更平衡。

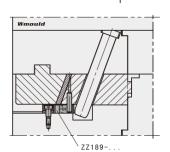
Fetures:

- 1.ZZ189 slide retainer is mainly used to large-scale slide construction.
- Simple installation, Adopt double dowel pin to fixed position, make much force balance.

Order	ZZ189-10	₩ホ	オ质:SK[011 🖽	嫂 度:55-	·62HRC							
Co	ode										定位销 Dowel pin	夹持力 Max.holding weight	@¥/P
ZZ189-10	精密型	10	21.5	18	9.5	5.1	7	17.5	40	M5		10	
ZZ189-12		12	25.5	22	4.4	6.1	7.5	18	43	M6	Ø6-30	15	
77190 16	precision	16	21.5	20	111	2.1	0.5	20.5	60	IVIO		25	

安装示意图: Installation Diagram:





产品立体示意图: Product space chart:



一 安装使用说明:

- ·限位螺丝安装孔深(F值)不能过深,锁紧后必须保证主体 活动顺畅。
- ·销钉一般安装在滑块上,主体通过限位螺丝固定在模板上,需精确计算好滑块行程。

- ·The installed hole of slide screw(F) can not be too deep, must work smoothly to match with body after lock.
- The dowel pin is on the slider, the body is fixed on the template, and need calculate the distance of slider accurately.

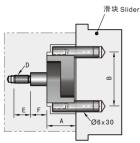


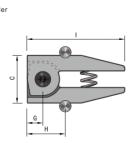
限位夹 Winguist Slide retainers

ZZ189









产品特点:

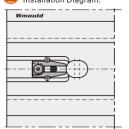
- 1.采用精密合金铸造,坚固耐用;
- 2.安装简单,采用双销钉定位,受力更平衡。

Fetures:

- 1.ZZ189 slide retainer adopts precision alloy to mould , which is with Strong durable construction.
- 2. Simple installation, ZZ189 slide retainer with two dowel pins to locate, which will lock more balanced.

Order	ZZ189-10E	M 木	才质:411	8 H	硬度:55-	-60HRC	;						
Co	de										定位销 Dowel pin	夹持力 Max.holding weight	@¥/P
ZZ189-10B	标准型	10	21.5	18	9.5	5.1	7	17.5	40	M5	Ø6-30	10	
77180-12R	otondord	12	25.5	22	11	6.1	7.5	18	43	M6	206-30	15	

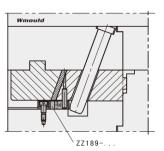
安装不息面. Installation Diagram: 安装示意图:





Product space chart:



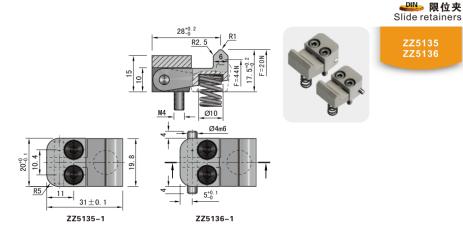


🦳 安装使用说明:

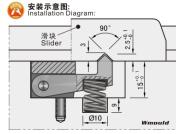
- 限位螺丝安装孔深(F值)不能过深,锁紧后必须保证主体
- · 销钉一般安装在滑块上, 主体通过限位螺丝固定在模板 上, 需精确计算好滑块行程。

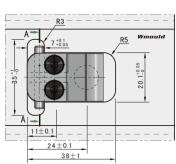
Installation Guidelines:

- ·The installed hole of slide screw(F) can not be too deep, must work smoothly to match with body after lock.
- ·The dowel pin is on the slider, the body is fixed on the template, and need calculate the distance of slider accurately.



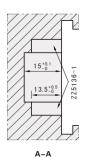
Order	ZZ5135-1	M材质:Cr12MoV	❶硬度:58-62HRC		
	Code 安装螺丝		荷重(Kgf)M	ax. holding weight	@¥/P
Code		Mounting screws	min.	max.	₩ +/F
2	ZZ5135-1	M4×16	2	4.4	
2	ZZ5136-1	IVI4^ IO	2	4.4	





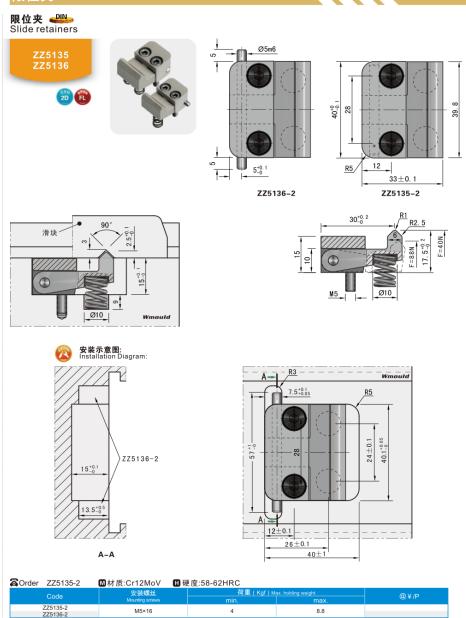
- **一 安装使用说明:** 最高使用温度: Max 100°C; · ZZ5136所配销钉相比ZZ5135高出主体4mm, 可 用于精确定位;
- ·需自行在滑块上加工90度"A"型槽。

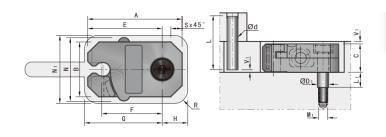
- ·Maximum working temperature: Max 100 .
- The dowel pin for ZZ5136 is 4mm higher than that for ZZ5135, can be accurate positioning. ·Without 90° "V" groove on the slider, which need processed by yourself.



For more information please visit the website: https://yhb.com.vn







ALSI 限位夹 Slide retainers





产品特点:

- 1.精密合金铸造,坚固耐用;
- 2.PPSL为英制,可适应不同国家的客户要求;
- 3.在合模顺序无要求的情况下,可当作锁模扣使用;
- 4.超行程设计,有效防止因行程加工(设定)不准而 导致的损坏。

Fetures:

- 1.Strong, durable construction.
- 2.PPSL series are inch, can meet various countries customer requirements.
- 3. It can be used as latch lock if there is no special request on the sequence of the mold closing.
- 4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

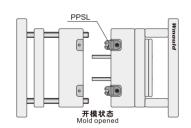
	材质:41	18 H	硬度:55-	62HRC							
Code											
PPSL-0001 精密型 (台湾制造)	1.5	0.76	0.63	1.23	0.98	0.94	0.14	0.25	1.25	1.35	0.39
PPSL-0002 (台灣制造)	2.13	1.26	0.79	1.69	1.375	1.44	0.25	0.312	1.5	1.81	0.56
PPSL-0003 precision	3.38	1.76	1.18	2.63	2.125	1.94	0.38	0.375	2.25	2.75	0.88

Coc		N1	R	D1	L1	V1	M1	夹持力(Kgf) Max. slide weight	@¥/P
PPSL-0001	精密型	1	0.31	0.249	0.31		# 10-24×0.5 DEEP	10	
PPSL-0002	精密型 (台湾制造)	1.5	0.37	0.3115	0.43	0.06	1/ 4-20×0.56DEEP	20	
PPSL-0003	precision	2	0.5	0.374	0.58		5/16-18×0.62DEEP	40	

- · 限位销钉必须保证垂直安装:
- ·销钉安装方向必须保证与限位夹开口方向一致;
- · 限位行程必须精确计算。

- ·Dowel pin need to install with 90°.
- ·Dowel pin installed and the opening of slide retainer must be in the same direction.
- ·Retainer travel need accurate calculation.



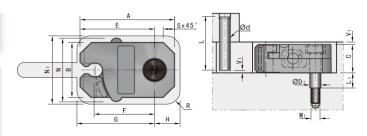




限位夹 Wineuld Slide retainers

PPSL





产品特点:

- 1.精密合金铸造,坚固耐用;
- 2.PPSL为英制,可适应不同国家的客户要求;
- 3.在合模顺序无要求的情况下,可当作锁模扣使用;
- 4.超行程设计,有效防止因行程加工(设定)不准而 导致的损坏。

- 1.Strong, durable construction.
- 2.PPSL series are inch, can meet various countries customer requirements.
- 3.It can be used as latch lock if there is no special request on the sequence of the mold closing.
- 4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

Order	PPSL-0001B	■材质:SC	M435	435 Ⅱ 硬度:50-55HRC								
Code A B												
PPSL-000			0.76 1.26	0.63 0.79	1.23 1.69	0.98 1.375	0.94 1.44	0.14 0.25	0.25 0.312	1.25 1.5	1.35 1.81	0.39 0.56

Co	ode	N1	R	D1	L1	V1	M1	夹持力(Kgf) Max. slide weight	@¥/P
PPSL-0001B	标准型	1	0.31	0.249	0.31	0.06	# 10-24×0.5 DEEP	10	
PPSL-0002B	standard	1.5	0.37	0.3115	0.43	0.06	1/ 4-20×0.56DEEP	20	************

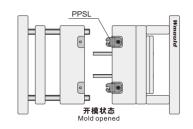
🥋 安装使用说明:

- 限位销钉必须保证垂直安装;
- ・销钉安装方向必须保证与限位夹开口方向一致; ·Dowel pin installed and the opening of slide retainer
- · 限位行程必须精确计算。

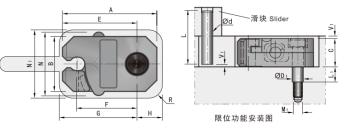
Installation Guidelines:

- ·Dowel pin need to install with 90°.
- must be in the same direction.
- ·Retainer travel need accurate calculation.





R位夹 Slide retainers





产品特点:

导致的损坏。

- 1.精密合金铸造,坚固耐用;
- 2.PPSM为公制,可适应不同国家的客户要求;
- 3.在合模顺序无要求的情况下,可当作锁模扣使用;
- 4.超行程设计,有效防止因行程加工(设定)不准而

- 1.Strong, durable construction.
- 2.PPSM series are metric, can meet various countries customer requirements.
- 3.It can be used as latch lock if there is no special request on the sequence of the mold closing.
- 4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

Order P	PSM-0001	М材质:4118	₩ 硬度:55-	62HRC					
	Code								
PPSM-000			19	16	31.5	24.89	24	34.5	10
PPSM-0003	2 (台湾制	造) 54	32	20	43	34.93	36.5	46	14.5
PPSM-0003	3 precis		45	30	67	53.98	49.5	70	22.5

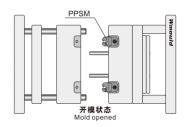
Cod		N1			L1		M1		夹持力(Kgf) Max. slide weight
PPSM-0001	精密型	25.5	8	6	8.5		M5×11.5DEEP	6	10
PPSM-0002	(台湾制造)	38	10	8	10.5	1.5	M6×14.5DEEP	8	20
PPSM-0003	precision	51	12	10	17		M8×18 DEEP	10	40

🌇 安装使用说明:

- ·限位销钉必须保证垂直安装;
- · 限位行程必须精确计算。

- ·Dowel pin need to install with 90°.
- ·销钉安装方向必须保证与限位夹开口方向一致; Dowel pin installed and the opening of slide retainer must be in the same direction.
 - ·Retainer travel need accurate calculation.



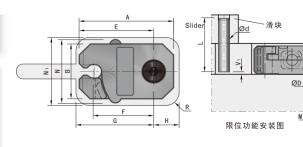




限位夹 Winguist Slide retainers







产品特点:

- 1.精密合金铸造,坚固耐用;
- 2.PPSM为公制,可适应不同国家的客户要求;
- 3.在合模顺序无要求的情况下,可当作锁模扣使用;
- 4.超行程设计,有效防止因行程加工(设定)不准而 导致的损坏。

- 1.Strong, durable construction.
- 2.PPSM series are metric, can meet various countries customer requirements.
- 3.It can be used as latch lock if there is no special
- request on the sequence of the mold closing. 4. Designed with over-travel, to avoid the damage by the inaccurate settle of the travel.

☎ Order	PPSM-0001B	M材质:SCM435	出 硬度:50-55HRC

Code								
PPSM-0001B 标准型	38	19	16	31.5	24.89	24	34.5	10
PPSM-0002B standard	54	32	20	43	34.93	36.5	46	14.5

Со	de	N1	R	D1	L1	V1	M1	d	夹持力(Kgf) Max. slide weight
PPSM-0001B	标准型	25.5	8	6	8.5	1 5	M5×11.5DEEP	6	10
PPSM-0002B	PPSM-0002B standard		10	8	10.5	1.5	M6×14.5DEEP	8	20

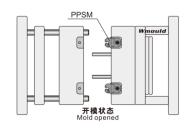
安装使用说明:

- 限位销钉必须保证垂直安装;
- ・销钉安装方向必须保证与限位夹开口方向一致; ·Dowel pin installed and the opening of slide retainer
- 限位行程必须精确计算。

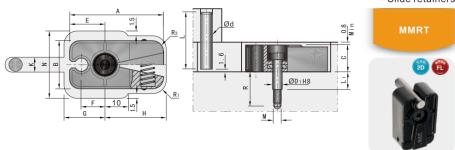
Installation Guidelines:

- ·Dowel pin need to install with 90°.
- must be in the same direction.
- ·Retainer travel need accurate calculation.

功能示意图(锁模功能): Functional chart: 合模状态 Mold closed



AISI 限位夹 Slide retainers



☎Order MMRT-10M M 材质:4118										
Code A										
MMRT-10M	精密型	38	19	16	16	9.1	19	26	25	8
MMRT-20M	(台湾制造)	54	32	20	21	12.7	24	36	36	10
MMRT-40M	procision	86	45	30	53	20.3	36	56	56	12

Code		D1	L1	R	R1	R2	М	d	夹持力(Kgf) Max. slide weight
MMRT-10M	精密型	6	6	15.5	8	5	M5	6	10
MMRT-20M (台	湾制造)	8	8.5	20.5	10	6	M6	8	20
	recision	10	10	25	13	10	M8	10	40

产品特点:

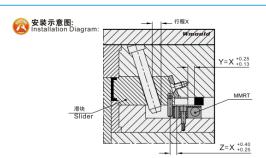
1.与MMRT/PPSM功能相同;不同的是F的距离更短,锁住配合更精密。

1.Same function as PPSL and PPSM, comparatively , the F of this slide retainer is shorter, and locked with more precision ..

🦳 安装使用说明:

- ·安装时限位螺丝不得将主体锁死,必须留出部分间隙,以便主体能活动自如;
- · 销钉的安装与夹持位须同心, 主体埋入模板中低于模板, 需准确计算滑块行程;
- ·安装前请检测评估行位的重量,以免失效。(因为夹持力不够有可能导致行位的跌落而损坏模具)

- ·The body can not be dead lock with retainer screws, need reserve some room to move unlimited.
- The distance from the center of the dowel pin to the center of the stripper bolt must be calculate
- available while stocks lasts.
- ·To avoid the mold be in danger of slipping, the code what you used should more loader than it need

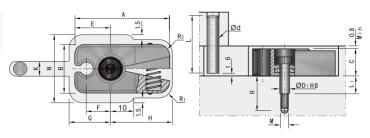


WYHB ECO CO.,LTD

限位夹 Wmould Slide retainers







Order	MMRT-10MB	™ 材质:SCM435	田 硬度:50-55HRC

Co	de									
MMRT-10MB	标准型	38	19	16	16	9.1	19	26	25	8
MMRT-20MB	standard	54	32	20	21	12.7	24	36	36	10

Code		D1	L1	R	R1	R2	М	d	夹持力(Kgf) Max. slide weight
MMRT-10ME		6	6	15.5	8	5	M5	6	10
MMRT-20ME	standard	8	8.5	20.5	10	6	M6	8	20

产品特点:

1.与MMRT/PPSM功能相同;不同的是F的距离更短,锁住配合更精密。

Fetures

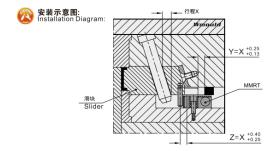
1. Same function as PPSL and PPSM, comparatively , the F of this slide retainer is shorter, and locked with more precision..



- ·安装时限位螺丝不得将主体锁死,必须留出部分间隙,以便主体能活动自如;
- · 销钉的安装与夹持位须同心, 主体埋入模板中低于模板, 需准确计算滑块行程;
- ·安装前请检测评估行位的重量,以免失效。(因为夹持力不够有可能导致行位的跌落而损坏模具)

Installation Guidelines:

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- The distance from the center of the dowel pin to the center of the stripper bolt must be calculate available while stocks lasts.
- ·To avoid the mold be in danger of slipping, the code what you used should more loader than it need .



指针式推拉力荷重机 Push & pull load machine

J



产品型号: DT-30K指针式推拉力荷重机外形尺寸: 长300×宽430×高1000 (mm)

Type: DT-30K

Dimension: length300×width430×height1000 (mm)

产品特点

- ·设计小巧轻便,整机约7.5公斤;
- · 表盘及指针式设计便于读数; · 测试架采用手轮式设计, 升降方便简捷;
- ·测量精度高,荷重0-30KG。

Fetures.

- 1.Simple design and small, about 7.5 KG.
- 2. Dial plate and pointer design is convenient to reading data.
- 3. With hand wheel design, convenient for up and down.
- 4. High precision measurement, can carry 0~30kg.

适用范围:

本荷重机适用于0-30KG各种拉力、压力及破坏强度等测定试验。

Range of application

DT-30K apply to test for 0-30KG all kind of pull, stress and breaking strength.

用说

主要用于定位珠、限位夹、弹簧等产品的荷重检测。

Function

Be used to test for slide holding devices , slide retainer, spring and so on.

若您需要购买此指针式推拉力荷重机,欢迎来电咨询 If you need for it, welcome to call for inquiry.

产品专利 PATENT CERTIFICATE



专利号: ZL 201 2 20020070.X



产品特点:

- 采用碟形弹片加滚轮销式结构,在开模过程中具有良好的平稳性;
- 锁紧套结构为对称式,若其中一边有磨损,可倒置安装后再次使用;
- MMPLK采用螺旋弹簧加滚轮销式结构;
- 可非标订制长度,即"K"值和"P2"值。



专利号: ZL 2012 2 0020073.3

型号: MMLK P158

P154



- 与其他锁模装置相比, 更易于安装。
- 同其他类型锁模器相比,基本不影响合模时的速度。
- ●(缩短了成形周期)
- MLKC40、100与MLK40、100相比, 体积缩小约50%。

锁模系列 **Latch Locks Series**











产品概述

Product summary

产品概述:

- · 锁模扣又叫开闭器或扣机,主要应用于三板模中,是一种以机械的方式控制模板的开合模顺序装置;
- 一般安装干模具内部或外部侧面:

(内安装型)内锁模扣:安装于模具内部,可避免运水装置和外部安装零件的冲突,即节约了空间,又不影响模具整体美观。 可避免模具在运输的过程中因意外碰撞损坏。如图例1

(外安装型)锁模扣:安装于模具外部侧面,安全可靠,易于安装与保养维护,锁模力度大,适用于各种大、中、小型模具; 如图例2

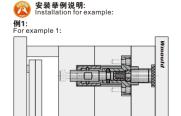
注意事项:

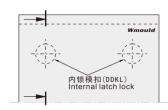
每套模具至少使用两套相同型号及规格的锁模扣并且对称安装。

Product summary:

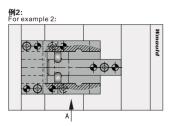
- · Latch lock was named switching ware or parting lock set, which was used for three-plate mold, its control mold plate's process sequence unit by the way of mechanical.
- This latch lock should be install inside the mold or the external side:
- (Internal installation type)Internal latch lock; install inside the mold, avoid clashing with outside parts or the waterway. its save space and don't effect the beauty of the mould as a whole.
- Prevents mold accidental collision damage in the process of transportation, for example 1.
- (External installation type)Latch lock: install external side, its safe and reliable, easy to installation and maintenance,
- and big latching strength, suitable for all kinds of large, middle, small mold for example 2.

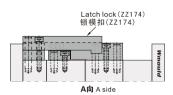
· A minimum of two sets latch lock are requested to be mounted symmetrically at least with the same specification in one mold.





内部安装 Internal installation





外部安装 External installation

产品概述

Product summary

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锁模扣在三板模中开合模顺序应用举例:
Opened-closed mold sequence in three-plate mold for example:

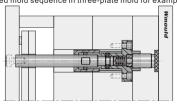


图1 合模状态 Mold closed

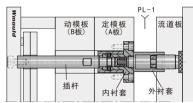


图2 第一次开模状态 The 1st mold opened

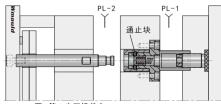


图3 第二次开模状态 The 2nd mold opened

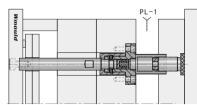
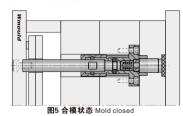


图4 第一次合模状态 The 1st mold closed



1. 第一次开模状态

当模具开始打开时,由于内锁模扣插杆与内衬套 将A、B板紧紧锁住,A板与流道板之间(PL-1)首 先被打开。

1.The 1st mold opened

When mold opening,1st parting line (PL-1) of "A" plate and runner pate will be opened first, due to "A" and "B" plate will be locked tightly with latch bar and inner bushing.

2.第二次开模状态

当第一次开模行程完全打时,内锁模扣内部通止 块将释放插杆,时同将内、外衬套紧紧锁住,A、 B板之间(PL-2)被打开,即完成第二次开模过程。

2.The 2nd mold opened

When mold opened completely for the first time, Positive stop of Internal latch lock will release latch bar, meanwhile inner bushing and outer bushing will be locked tightly, 2nd parting line (PL-2) of "A"and "B"plate will be opened. The 2nd mold opening process finished.

3.第一次合模状态

当模具开始合模时,由于内、外衬套在第一次 开模完成时被紧紧锁住,A、B之间首先被合闭 . 即完成第一次合模过程。

3.The 1st mold closed

When mold closing, parting line of "A" and "B" plate will be closed first, because of inner bushing and outer bushing are locked for the 1st mold opened completely, the 1st mold closing process finished.

当第一次合模行程完成时,插杆重新插入内衬套,通止块复位,重新释放内、外衬套,A板与流道板之间便开始闭合,即完成全部合模过程。

4.Mold closed

When we finished mold closed, Latch bar reinsert into inner bushing, then positive stop reset and release inner bushing and outer bushing,"A" and runner plate will be closed, all process of mold closed would been finished.



产品概述 Product summary

5. 4. 10	- THE	说明	P 14 14 00	* 10
示意图	型 号	玩明	安装位置	页码
DIN	ZZ3	具有控制开模顺序功能, 同时也控制合模顺序, 适用对开合顺序都有要求场合。 Allows control of the mold plate opening and closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	内部安装 Internal installation	P233
AISI	DDKL	具有控制开模顺序功能,同时也控制合模顺序,适用对开合顺序都有要求场合。 Allows control of the mold plate opening and closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	内部安装 Internal installation	P243
DIN	GGS	具有控制开模顺序功能,同时也控制合模顺序,适用对开合顺序都有要求场合。 Allows control of the mold plate opening and closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	外部安装 External installation	P176
DIN	ZZ171	具有控制开模顺序功能, 无控制合模顺序功能, 适用于只对 开顺序都有要求, 无合模顺序要求的场合。 Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function. Only suitable for mold plate opening sequence are required.	外部安装 External installation	P170
DIN	ZZ170	具有控制开模顺序功能,同时也控制合模顺序,适用对开合顺序都有要求场合。 Allows control of the mold plate opening and closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	外部安装 External installation	P164
JIS	PPLS PPLM PPLL	具有控制开模顺序功能, 无控制合模顺序功能, 适用于只对 开顺序都有要求, 无合模顺序要求的场合。 Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function. Only suitable for mold plate opening sequence are required.	外部安装 External installation	P162
AISI	LLL	具有控制开模顺序功能. 无控制合模顺序功能. 适用于只对 开顺序都有要求,无合模顺序要求的场合。 Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function. Only suitable for mold plate opening sequence are required.	外部安装 External installation	P185

产品概述 Product summary

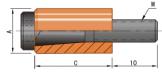
示意图	型号	说明	安装位置	页码
DIN	ZZ174	具有控制开模顺序功能,同时也控制合模顺序,适用对开合顺序都有要求场合。 Allows control of the mold plate opening and	外部安装	P187
	ZZ4	closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	External installation	P199
DIN	ZZ5	具有控制开模顺序功能, 无控制合模顺序功能, 适用于只对 开顺序都有要求, 无合模顺序要求的场合。		P217
AISI	KKL/KKU	Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence	外部安装 External	P226 P229
DIN	RREF460	function. Only suitable for mold plate opening sequence are required.	installation	P224
JIS	PPLSW	具有控制开模顺序功能. 无控制合模顺序功能. 适用于只对 开顺序都有要求,无合模顺序要求的场合。 Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function. Only suitable for mold plate opening sequence are required.	外部安装 External installation	P178
JIS	PPLSZ PPLMZ	具有控制开模顺序功能. 同时也控制合模顺序, 适用对开合顺序都有要求场合。 Allows control of the mold plate opening and closing sequence on mold bases. Suitable for mold plate opening and closing sequence are required.	外部安装 External installation	P180
JIS	MMPLK	卡轮式锁模扣,一般与其它锁模扣或止动螺栓配合使用,组合方式不同,实现功能也尽不相同。 Roller latch lock,usually with other latch lock or stop bolt,different combination way appearance different function.	外部安装 External installation	P154
JIS	MMLK MMLKC	磁性锁模扣,利用磁铁的吸引力实现锁模功能。 Magnet latch lock,using the attraction of the magnet for clamping function.	外部安装 External installation	P157











使用尼龙扣表面请勿沾油! No using oil!

M 材质:日本尼龙扣树脂+SCM435 High grade Nylon+SCM435

Code					耐热温度 Heat resistant temperature	@¥/P
PL-J-10	10	4	18	M 5		
PL-J-12	12	5	20	14.6		
PL-J-13	13	5	20	M 6	80°C	
PL-J-16	16	6	25	M 8		
DI - I-20	20	6	30	M10		

产品特点:

- 1. 通过锁紧锥型螺丝, 能够调整模板与尼龙之间的摩擦力;
- 2. 具有良好的耐磨损与耐热性。

- 1. Allows adjustment of friction between the mold plate and Nylon by tightening conical bolt.
- 2. With excellent wear resistance and heat resistance.

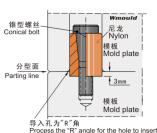


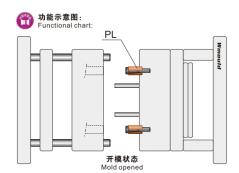
- ·尼龙自身可耐热温度150°C,但由于在实际使用过程中,反复受到锥型螺丝锁紧力应力的作用,降低了尼 龙耐用性, 所以建议在80°C以下使用;
- ·本尼龙扣可在模板上直接加工导入孔使用,也可配合专业尼龙扣套使用。

Installation Guidelines:

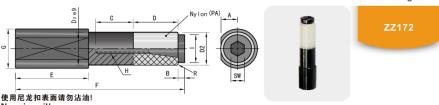
- The Nylon by itself has heat resistant temperature of 150°C. But use it at 80°C or less because the
- durability will reduce due to tightening stress by the conical bolt in the practically continuous use.
- · Its can process the "R"angle for the hole to insert on the mold, and also by using a PLBS bushing that is specially designed.







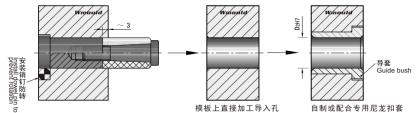
🚢 尼龙扣 Parting locks



No using oil!

M 材质:日本尼龙扣树脂+SCM435 High grade Nylon+SCM435





产品特点:

- 1. 通过锁紧锥型螺丝, 能够调整模板与尼龙之间的摩擦力;
- 2. 具有良好的耐磨损与耐热性。

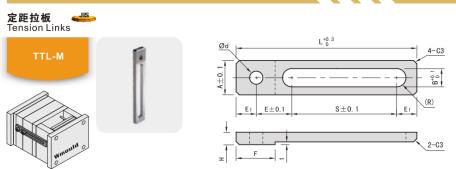
- 1. Allows adjustment of friction between the mold plate and Nylon by tightening conical bolt
- 2. With excellent wear resistance and heat resistance.

🦳 安装使用说明:

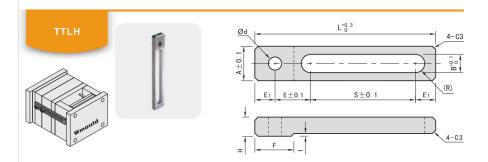
- ·尼龙自身可耐热温度150°C,但由于在实际使用过程中,反复受到锥型螺丝锁紧力应力的作用,降低了尼 龙耐用性, 所以建议在80°C以下使用;
- ·本尼龙扣可在模板上直接加工导入孔使用,也可配合专用尼龙扣套使用;
- ·加工导入孔时,孔口应进行R角(倒圆角)加工,利边将会直接损坏尼龙扣,倒C角同样也会影响尼龙扣耐用
- ·尼龙扣及导入孔就勿加润滑油,否则将会降低摩擦力,从而降低产品原有功能。

- The Nylon by itself has heat resistant temperature of 150°C. But use it at 80°C or less because the durability will reduce due to tightening stress by the conical bolt in the practically continuous use.
- · Its can process the "R"angle for the hole to insert on the mold and also by using a PLBS bushing that is
- · When you process the hole, the inlet edge will be made by R-chamfered edge, the parting locks will be damaged by the sharp edge, the parting lock's durability becomes lower with a C-chamfered edge.
- Do not lubricate this parting locks. Lubrication reduces its friction force and nullifies its function.

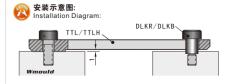




☎ Order T	TL-M-A-S	☑材质:S45C	;						
									@¥/P
19	50-170		11	16	14.5	S+45	6.5	19	
25	50-200		14	20	17	S+54	8.5	25	
32	80-200	9	17	20	18.5	S+67	10.5	32	
38	100-200		21	30	20.5	S+71	12.5	38	



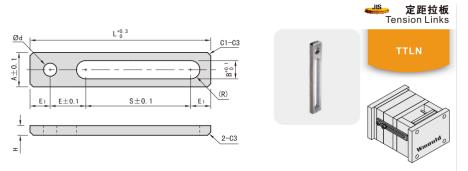
Order T	TLH-A-S	】材质:S45C	;						
Α									@¥/P
19	50-270		11	20	14.5	S+49	10.5	24	
25	50-270	16	14	23	17	S+57	13.5	28	
32	80-300	16	17	30	18.5	S+67	16.5	32	
38	100-350		21	33	20.5	S+74	20.5	38	



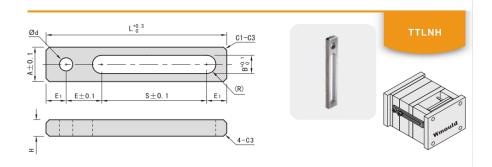
· 为防止定距拉板与模板摩擦,在安装时定距板与模 板应保持1MM间隙(如左图所示)。

Installation Guidelines:

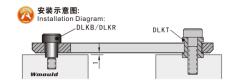
· Allows have 1mm clearance on installation,in order to prevent friction between tension links and mold plate.(As shown in the left)



☎ Order TT	LN-A-S	材质:S45C						
Α								@¥/P
19	50-170		11	20	14.5	S+49	10.5	
25	50-200		14	23	17	S+57	13.5	
32	80-200	9	17	30	18.5	S+67	16.5	
38	100-200		21	33	20.5	S+74	20.5	



Order	TTLNH-A-S	™ 材质:S₄	45C					
А	s							@¥/P
19	50-2	70	11	20	14.5	S+49	10.5	
25	50-4		. 14	23	17	S+57	13.5	
32	80-3	300	17	30	18.5	S+67	16.5	
38	100-3	350	21	33	20.5	S+74	20.5	

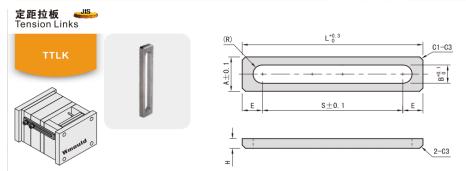


 安装使用说明:
 为防止定距拉板与模板摩擦,在安装时定距板与模板 应保持1MM间隙(如左图所示)。

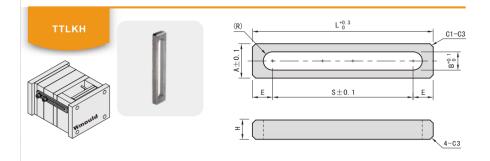
Installation Guidelines:

· Allows have 1mm clearance on installation, in order to prevent friction between tension links and mold plate.(As shown in the left)

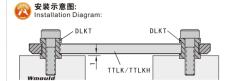




	-S M 材质:S45	SC .				
						@¥/P
19	50-230(250)		11	14.5	S+29	
25	50-270(300)	0	14	17	S+34	
32	80-350(400)	9	17	18.5	S+37	
38	100-400(450)		21	20.5	S+41	



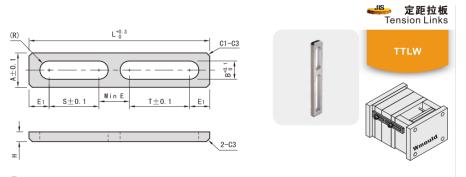
🛱 Order TTLKH-	A-S M 材质:S45	5C				
						@¥/P
19	50-230(250)		11	14.5	S+29	
25	50-270(300)	16	14	17	S+34	
32	80-350(400)	16	17	18.5	S+37	
38	100-400(450)		21	20.5	S+41	



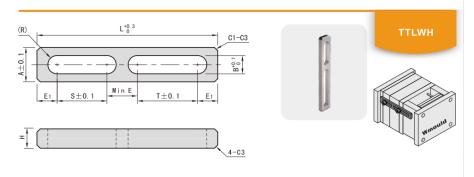
为防止定距拉板与模板摩擦,在安装时定距板与模板 应保持1MM间隙(如左图所示)。

Installation Guidelines:

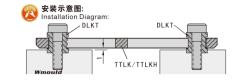
 Allows have 1mm clearance on installation,in order to prevent friction between tension links and mold plate.(As shown in the left)



								@¥/P
19	15-130	100-320	10.110		11	05	15	
25	15-135	115-335	40-140		14	25	17.5	
32	25-140	140-385	50-180	9	17	28	18.5	
38	25-150	150-410	50-185		21	34	20.5	



Order TT	LWH-A-L-S-T	™ 材质:S450	С					
А								@¥/P
19	15-130	100-320	40-140		11	25	15	
25	15-135	115-335	40-140	16	14	20	17.5	
32	25-140	140-385	50-180	10	17	28	18.5	
38	25-150	150-410	50-185		21	34	20.5	



🥎 安装使用说明:

为防止定距拉板与模板摩擦,在安装时定距板与模板 应保持1MM间隙(如左图所示)。

Installation Guidelines:

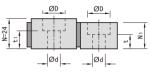
 Allows have 1mm clearance on installation,in order to prevent friction between tension links and mold plate.(As shown in the left)



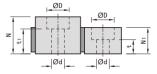




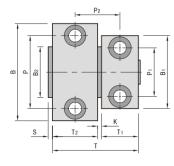




Slim type



标准型 Normal type

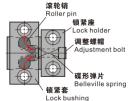


提示:建议在80°以下使用! Note: Temperature to be used:up to 80°C

Order	MMPL	<-80
型	号	
Туре	No.	
	10	48
	0.0	

型	号	В	B1	B ₂		T1	T2	s	N			
Type				62			12	Ŭ				
	10	48	36	25	42	18	22	2	24	16	11	6.5
MMPLK 标准型	20	54	42	25	42		22				- 11	0.5
	30	65	46	35	48.5		25	3.5	27	19		7
	60	73	50			20					14	9
Slim type	80S	13	50		56.5							9
	100	103	65	48	58	24	30	4	34	25	17	11
MMPLKS 紧凑型	30	65	46		48.5			3.5	24		11	7
	60	73	50	35	48.5	20	25			19	14	9
	000											

型	号	K	Р	P1	P2		tı	安装螺丝	拉力Pulling force	@¥/P
Type	No.							Mounting screws	MaX. F(kgs)	W + //
	10	2	36	24	22	9.5	18	CB6-20/30	50	
MMPLK	20	2	40	28	22	9	16	CB6-20/25	100	
	30	3.5	50	31	26			CB6-30/35	150	
标准型	60	3.5	52		20	9.5	17	CB6-30	300	
	80S	11.5	52	33	34			CB6-35	400	
	100	4	76	42	31	13	19	CB6-30/35	500	
MMPLKS	30	3.5	50	31	26			CB6-25/30	150	
紧凑型	60	3.5		33	26	9.5	15.5	CB6-25	300	
Normal type	80S	11.5	52	33	34			CB6-30	400	

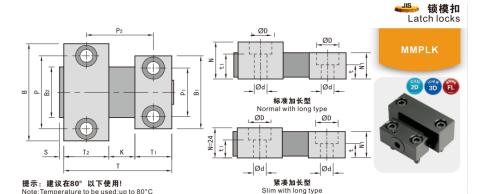


产品特点:

- 1. 采用碟形弹片加滚轮销式结构, 在开模过程中具有良好的平稳性;
- 2. 锁紧套结构为对称式, 若其中一边有磨损, 可倒置安装后再次使用;
- 3.MMPLK-10采用螺旋弹簧加滚轮销式结构;
- 4. 可非标订制长度, 即"K"值和"P2"值。

Features:

- 1. Enables well-balanced mold opening/closing through its mechanism composed of a belleville spring, roller pin.
- The lock bushing's vertically symmetrical design allows a worn piece to be reused by reinstalling it in reverse.
- 3.lts mechanism composed of a coil spring and roller pin for MMPLK-10. 4.The size of "K" and "P2" can be offered by customer.

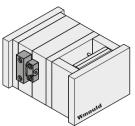


☎Order MMPLK-80

型	号		14	10	-	To	т.		V		D1	P2
Type	No.		Li	L2		12			_ ^			F2
MMPLK 标准加长型	60L 80	73	50	35	79.5 87.5	25	20	3.5	34.5 42.5	52	33	57 65
P) OR DIE DOZE	100L	103	65	48	89	30	24	4	35	76	42	62
MMPLKS 紧凑加长型	80	73	50	35	87.5	25	20	3.5	42.5	52	33	65

型号		N	N1			D	- 4	安装螺丝	拉力Pulling force	@¥/P
Type	No.	IN						Mounting screws	MaX. F(kgf)	W + //-
MMPLK 标准加长型	60L 80	27	19	9.5	17	14	9	CB6-30	300 400	
	100L	34	25	13	19	17	11	CB6-35	500	
MMPLKS 紧凑加长型	80	24	19	9.5	15.5	14	9	CB6-25 CB6-30	400	

滚轮销 Roller pin 锁紧座 Lock holder Adjustment bolt 碟形弹片 Belleville spring 锁紧套 Lock bushing



产品特点:

- 1. 采用碟形弹片加滚轮销式结构, 在开模过程中具有良好的平稳性;
- 2. 锁紧套结构为对称式, 若其中一边有磨损, 可倒置安装后再次使用;
- 3.MMPLK-10采用螺旋弹簧加滚轮销式结构;
- 4. 可非标订制长度, 即"K"值和"P2"值。

- 1.Enables well-balanced mold opening/closing through its mechanism composed of a belleville spring, roller pin.
- 2. The lock bushing's vertically symmetrical design allows a worn piece to be reused by reinstalling it in reverse.
- 3.Its mechanism composed of a coil spring and roller pin for MMPLK-10.
- 4. The size of "K" and "P2" can be offered by customer.



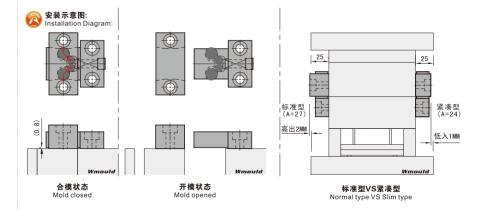
锁模扣 🚚 Latch locks

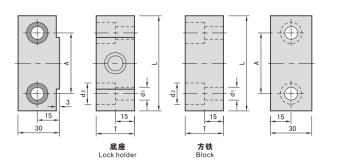
会装使用说明:

- ·锁模扣装置请在合模时定位并对称安装,根据模胚及拉力大小选定;
- ·如未在模具上对称安装将可能致使单套锁模扣受力,受力不平衡将有导致锁模扣断裂的可能;
- ·锁紧套、锁紧座的安装与开模运动方向成平行直角,平行于分型面安装;
- ·锁紧座背后虽有避空位,但安装时,模板间的段差不能超过避空值;
- 本产品可根据实际情况选择对称安装两套或四套,但要注意使用时不能超过锁模组件的最大使用负荷;
- ·请勿将锁模扣与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·锁模扣的拉力已经由我司用专用设备调好,并用无头螺丝锁紧请勿自行调整调节螺帽,以免造成同套 模具上的锁模扣拉力偏差,导致拉力不均匀导致产生损坏;
- ·如模具需要维修改动,请先拆除锁模扣装置后再进行后续操作;
- ·安装完毕后进行配合功能测试,查看锁模扣机构各部位是否顺。

Installation Guidelines:

- · Please install the roller lock sets symmetrically when mold closing, it will be selected according to mold base and pulling force by user.
- · Make sure to assemble the right and left units symmetrically for well-balanced operation. If no, it would caused only one side of roller lock set be forced, and the roller lock set would be fractured with the unbalanced force.
- · Assembly lock bushing and lock holder runs parallel with direction of mold unloading, mount it in parallel to the paring line.
- · Though there is the back recess behind the lock bushing but please make sure the gap between the mold plates can not exceed this recess.
- · User can mount roller lock sets symmetrically two sets or four sets for one mold as per your request. Do not exceed the maximum load of roller lock sets.
- · Please do not apply the roller lock sets together with other which customer own made parts, we will not be responsible for the anomaly which caused by it.
- · The usable loads have been adjusted by the specialized equipment of our company and screwed with grub screw, please do not self-aligning to avoid the anomaly which caused by the deviation of the usable
- · If the mold need to be maintained or changed, please remove the roller lock sets first.
- · After installation, carry out a functional test, check whether the individual parts of the roller lock set moves









产品特点:

- 1.MMLKC与MMLK型号相比,外形缩小了约50%-60%;
- 2.与其它锁模装置相比,更易于安装;基本不需要在合模时减速;因此可以缩短成形周期

- 1. Compared with MMLK, this MMLKC overall dimensions is reduced 50%-60%.
- 2. Compared with other latch lock sets, it is easier to installation, no need slow down when mold closing, and reduce the molding cycle.

🦳 安装使用说明:

- ·若担心杯头螺丝破损,可使用限位螺丝安装;
- ·在合模状态下,用螺栓安装于模具的中心位置;

Complete insert

·建议在80°C以下使用。

Installation Guidelines:

- · Use Shoulder Bolts if bolt breakage is anticipated.
- · Install the magnet lock sets with the mold closed. Place them onto the mold's center, and fasten with the supplied bolts.
- · Heat resistance: up to 80°C or lower.

☎Order MMLKC-30

Incomplete insert

Code	А	L	Т	d1	d2	拉力Pulling force MaX. F(kgf)	@¥/P
MMLKC-30 MMLKC-75	36 52	50 70	25 40	6.5 9	11 14	30 75	
Dimensio	0±0.1 T*0.1	nould	- A+0.0	5 → I	功能示 Functio	意图: nal charts	
非完全嵌.	入式 ¦ 完全	È嵌入式			合核	製状态	

开模状态 Mold opened

Mold closed

Wmould

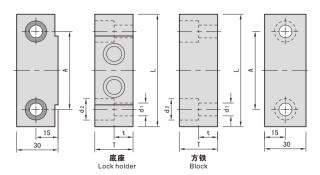


₩ 锁模扣 Latch locks

锁模扣 《JIS Latch locks







Code							拉力Pulling force MaX. F(kgf)	@¥/P
MMLK- 60	63	80	25	12	9	14	60	
MMI K-150	100	126	40	15	11	18	150	

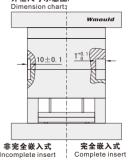
安装使用说明:

- ・锁模扣装置在合模时定位安装, 每套模具至少使用2套锁模扣装置(根据模胚及拉力大小选定);
- · 底座、方铁的安装方向均平行于分型面;
- ·安装完成后进行配合功能测试,查看锁模扣机构各部位是否安装到位;
- ·建议在80°C以下使用。

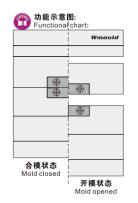
Installation Guidelines:

- Please install the latch locks symmetrically when mold closing, it will be selected according to mold base and pulling force by user.
- · Install them so that the magnetic face is in parallel to the parting line.
- After installation, carry out a functional test, check whether the individual parts of the latch lock set are in right place.
- · Heat resistance: up to 80°C or lower.

开框尺寸示意图:







RRPL-140 RRPL-140-40 E1 D1 D0 RRPL-140-40 RRPL-140-40

dillilli

Εı

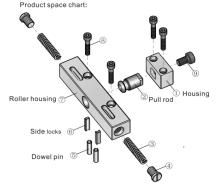
Order RRPL-P-135

dillilli

Code	L1	L2	N1	N2	А	В	G	定位销 Dowel pin
RRPL-P-135 RRPL-P-135-40	135	38	25	25	28	19	1 40	Ø5
RRPL-P-140 RRPL-P-140-40	140	64	32	25	32	22	2 38	Ø6

Code	E1	E2	E3	E4	D1	D2	安装螺丝 Mounting screws	拉力Pulling force MaX. F(kgf)	@¥/P
RRPL-P-135 RRPL-P-135-40	60	25	7	15.6 54.6	30	22.1 61.1	M 6×25	100	
RRPL-P-140 RRPL-P-140-40	70	35	10	23.1 59.3	100	28.1 64.3	M10×35	150	

产品立体示意图:



Pos	品名 Part name	M材质	H硬度
01	锁模座	P20	26-33HRC
02	锁模座杆	SKD61	48-52HRC
07	主体	P20	26-33HRC
05	销钉	SUJ2	58-62HRC
06	定位块	S45C	-

📆 安装使用说

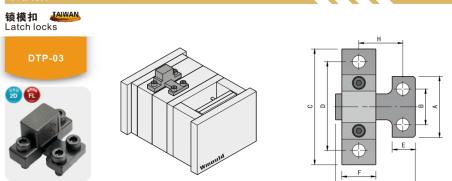
- ・锁模扣为精密装置,须对称安装,否则将可能致 使单套锁模扣受力不平衡而导致锁模扣断裂;
- 锁模扣组件间精密配合,请勿与其他自行加工的零件配合使用;
- ·如模具需要维修改动,请先拆除锁模装置后再进行 后续操作。

- Please install the roller lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This Roller lock is the precise standardized item, please do not apply together with other own customer machined parts.
- If mold need to maintain, please remove the roller locks first.



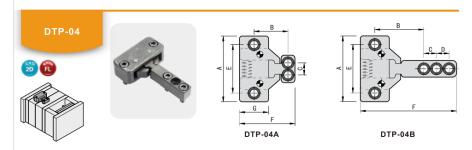
TAIWAN 锁模扣

Latch locks

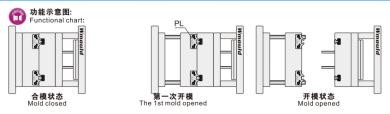


Order	DTP-03A

Code									安装螺丝 Mounting screws	拉力Pulling force Max. F(kgf)	@¥/P																	
DTP-03A	40	26	73	60	20	20	23	48	M 8	150																		
DTP-03B	40	22	73	60	20	20	66	96	IVI O	130																		
DTP-03C										38	72	M10	250															
DTP-03D	50	30	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	20	0.0	20	20	20	20	440	00	22	00	79	114	IVITO	250	
DTP-03E	50			113	90		30	38	75	1440	0.50																	
DTP-03F								25		103	139	M12	350															



ØGrder DTP-04A											
Code								安装螺丝 Mounting screws	拉力Pulling force Max. F(kgf)	@¥/P	
DTP-04A	78	40	15	-	60	68	38	M8	500		
DTP-04B	, ,	58	10	15		116	- 00	1410	000		



DTP-05



产品特点:

- 1.精密铸造而成,精密度高;
- 2. 拉勾采用高级合金钢经热处理研磨而成, 勾力特强;
- 3. 两侧采用耐热弹簧片,弹性佳,耐热力强,有数十万次的开模能力:
- 4. 拉力为600kg为曲线引张弹簧。

DTP-05(100/200/300Kgf)

Features:

- 1. This latch lock is made of casting, with high precision.
- 2. Its strong undercuts are made of alloy steel with heat treatment and grinding.
- 3. Opposite sides with the Heat-resistant springs, have thousands of lifespan.
- 4. Pulling force: 600kg, curve lead springs.

☎Order DTP-05

Code	拉力Pulling force MaX. F(kgs)	@¥/P
DTP-05	100 200	
DTP-05	300 600	

DTP-05(600Kgf)

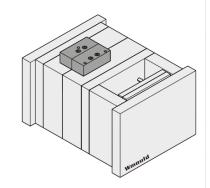


安装使用说明:

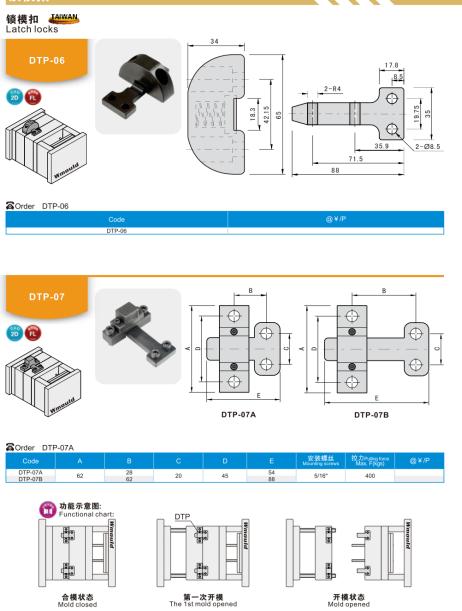
- ·适用于三板模之针点射出模,有拉断料头与 脱模一次完成的功能;
- ·本锁模装置作用力向外侧,故不伤模具;
- · 安装时两边对称,固定销孔用5mm的绞刀绞过后,再以固定销固定,以增加固定性。

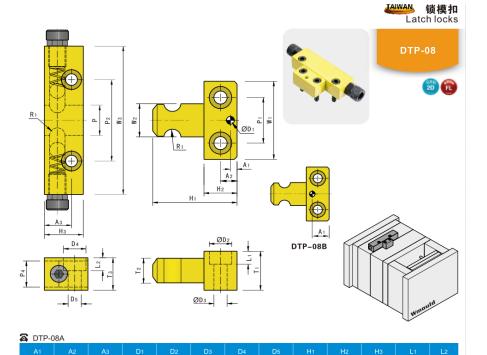
Installation instruction:

- It is suitable for ejection mold of three plate mold, can snap the remnants and stripping at one single time.
- The acting force is outward to avoid break the mold.
- 3. Mount symmetrically, ream the dowel pin with 5mm reamer, then fix it to increase fixity.





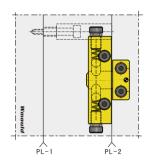




Code		P1	P2	P4								@¥/P
DTP-08A	18	25	60	12.5	R4.25	20.5	12	20.5	40	17.5	86	
DTD 09B	26	35	70	20	R6 5	30	19.5	25	60	25.5	127.5	

Ø11

Ø6.5



Ø5

Ø10.5

👚 安装使用说明:

Ø6.5

· 锁模扣为精密装置,请对称安装,否则将可能致使单套锁模扣受力不平衡而导致锁模扣断裂;

· 锁模扣组件间精密配合,请勿与其他自行加工的零件配合使用;

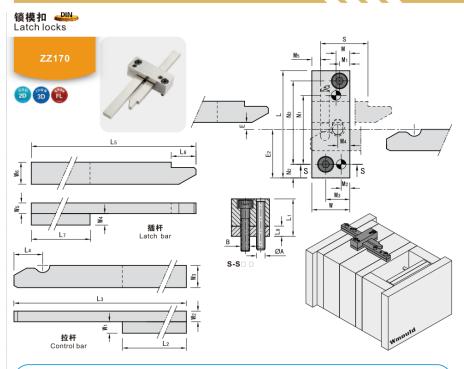
48

20 25 28 33 6.5

·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

- Please install the latch lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- · If mold need to maintain, please remove the roller locks first.





产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆、拉杆尾部采用高频退火处理,方便二次加 工安装孔:
- 3.此锁膜组件不但具有控制开模顺序功能,同时能 控制合模顺序。

Features:

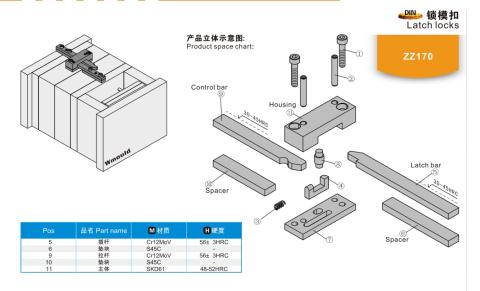
- 1.mechanical interlocking design, safe and reliable. 2.Insert bar, end of pull rod adopt high frequency
- annealing treatment, so that easy to second time processing installed holes.
- 3. This latch parts not only control opening mold sequence, But also control closed open sequence.

Sorder ZZ170-1

Code			L2		L4				L8						
ZZ170-1	63	22	63	100	16	125	13.8	80	6	4	28.5	14	49	40.5	8
ZZ170-2	90	32.5	100	140	22.5	160	17.7	125	7.5	6	45	24	69	62	13
ZZ170-3	110	44	100	200	25	250	17.6	123	12	7	55	31	80	80	15

Code	М	M1	M2	Мз	M4	M5	W	W1	W2	W3	W4	W5	W6	А	В
ZZ170-1	8	6	5	14	7	-	22	6.5	6	12.5	6.5	6	12.5	Ø5	M5
ZZ170-2	18	8	8	24	16	Б	34	8	12.5	20	8	12.5	16	Ø6	M6
77170-3	22	9	9	31	20	7	42	12.5	16	25	12.5	16	20	Ø8	M8

Code	S行程(min.) Stroke	S行程(max.) Stroke	拉力Pulling force F(≤kgf)	@¥/P
ZZ170-1	5.5	80	800	
ZZ170-2	9.5	110	1400	
ZZ170-3	10.5	190	2400	

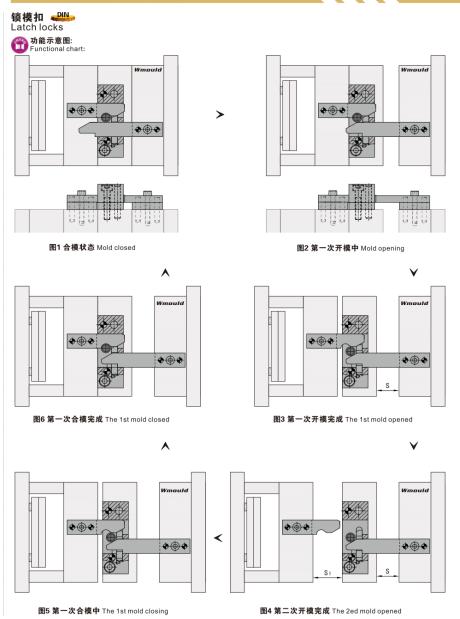


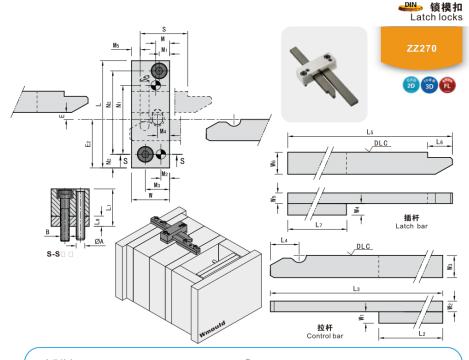
安装使用说明:

- ·首先安装主体,要求平行于分型面安装;
- ·安装拉杆,将拉杆截制成所需要的长度,并加工螺孔,在合模状态下锁紧螺丝(注意:拉杆固定前必须 保证模具处于完全合模状态,并已消除拉杆与滚轮销之间间隙,再锁紧螺丝);
- ·安装插杆,将插杆截制成所需要的长度,并垂直于分型面安装(注意保证几套锁模装置的行程一致);
- ・毎套模具至少使用两套或两套以上锁模机构并且对称安装,如未在模具上对称安装将可能导致单套锁模 扣受力,受力不平衡(不均)将会导致锁模扣断裂;
- ·锁模扣零件为精密配合,请勿与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机测试, 因为吊机易导致不平衡)

- · Please install the housing in parallel to the parting line first.
- · Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed. (Please note: Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller).
- · Please cut the latch bar to the necessary length, and installation in parallel to the parting line
- · Please install the latch lock symmetrically otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- · This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- · If mold need to maintain, please remove the latch locks first.
- · After installed carry out a functional test check whether the individual parts of the latch lock units moves smoothly the stroke is applicable. Recommend testing on matched Molds machine or Injection machine. no Lifting Machine.







产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆、拉杆尾部采用高频退火处理,方便二次加 工安装孔;
- 3.此锁膜组件不但具有控制开模顺序功能,同时能 控制合模顺序;
- 4.该产品为ZZ170的升级版,插杆、拉杆表面增加DLC涂层, 更耐磨,使用寿命更长。

- 1. Mechanical interlocking design, safe and reliable. Insert bar, end of pull rod adopt high frequency annealing treatment, so that easy to second time processing installed holes.

 3. This latch parts not only control opening mold
- sequence, But also control closed open sequence.
- 4.It's the external version of ZZ170, there added DLC coating on the surface of inserting rod, pulling rod, it's more wearable and more living life.

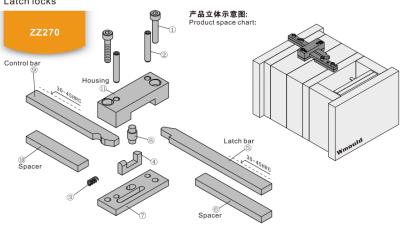
Order	ZZ27	0-1														
Code			L2		L4				L8							
ZZ270-1	63	22	63	100	16	125	13.8	80	6	4	28.5	14	49	40.5	8	
ZZ270-2	90	32.5	100	140	22.5	160	17.7	125	7.5	6	45	24	69	62	13	

Code			M2	Мз	M4	M5					W4				
ZZ270-1	8	6	5	14	7	-	22	6.5	6	12.5	6.5	6	12.5	Ø5	M5
ZZ270-2	18	8	8	24	16	Б	34	8	12.5	20	8	12.5	16	Ø6	M6
ZZ270-3	22	9	9	31	20	7	42	12.5	16	25	12.5	16	20	Ø8	M8

Code	S行程(min.) Stroke	S行程(max.) Stroke	拉力Pulling force F(≤kgf)	@¥/P
ZZ270-1	5.5	80	800	
ZZ270-2	9.5	110	1400	
ZZ270-3	10.5	190	2400	



锁模扣 PIN Latch locks

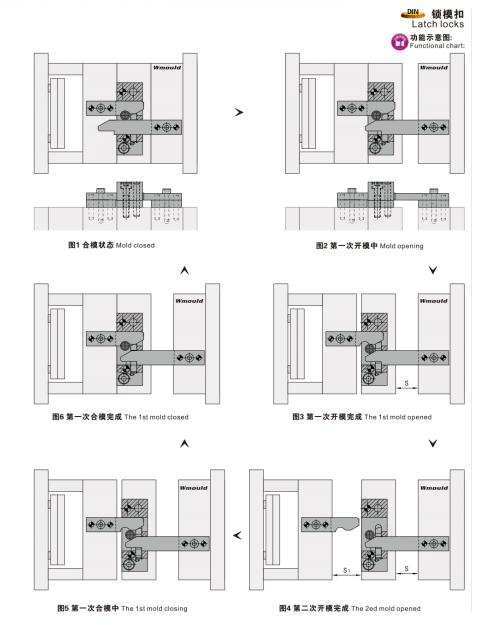


Pos	品名 Part name	M材质	H硬度
5	插杆	Cr12MoV	56± 3HRC
6	垫块	S45C	
9	拉杆	Cr12MoV	56± 3HRC
10	垫块	S45C	-
11	主体	SKD61	48-52HRC



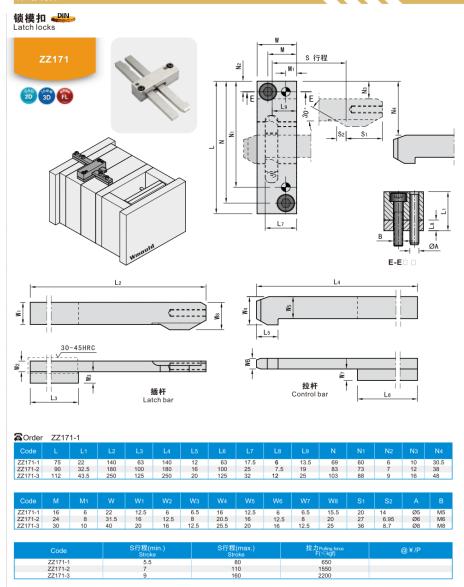
- ·首先安装主体,要求平行于分型面安装;
- ·安装拉杆,将拉杆截制成所需要的长度,并加工螺孔,在合模状态下锁紧螺丝(注意:拉杆固定前必须保证模具处于完全合模状态,并已消除拉杆与滚轮销之间间隙,再锁紧螺丝);
- ·安装插杆,将插杆截制成所需要的长度,并垂直于分型面安装(注意保证几套锁模装置的行程一致);
- · 每套模具至少使用两套或两套以上锁模机构并且对称安装,如未在模具上对称安装将可能导致单套锁模扣受力,受力不平衡(不均)将会导致锁模扣断裂;
- ·锁模扣零件为精密配合,请勿与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机测试,因为吊机易导致不平衡)

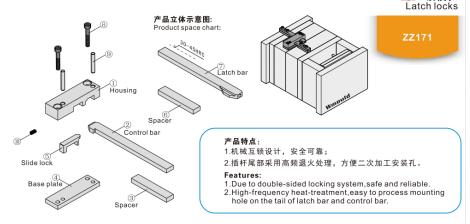
- · Please install the housing in parallel to the parting line first.
- Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed, (Please note:Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller).
- · Please cut the latch bar to the necessary length, and installation in parallel to the parting line.
- Please install the latch lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- · If mold need to maintain, please remove the latch locks first.
- After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.





🤐 锁模扣





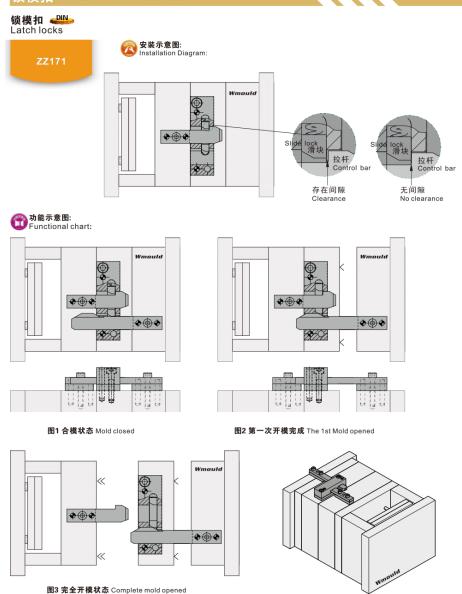
Pos	品名 Part name	М 材质	H 硬度
1	主体	P20	26-33HRC
2	拉杆	718H	表面氮化
3	垫块	S45C	-
4	盖板	P20	26-33HRC
5	滑块	SKD61	48-52HRC
6	垫块	S45C	
7	插杆	Cr12MoV	56±3HRC

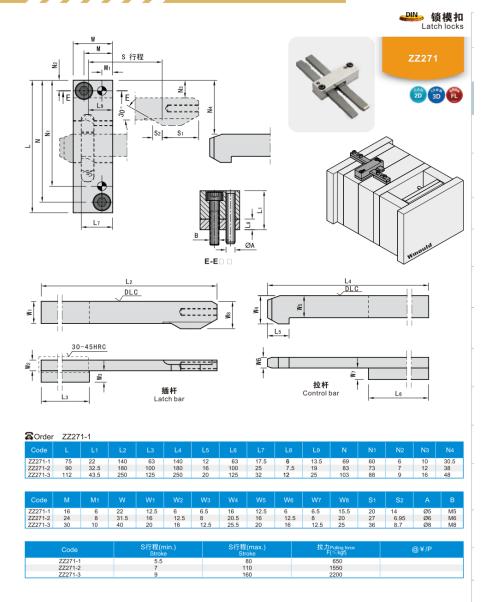
安装使用说明:

- ·首先安装主体,要求平行于分型面安装;
- ·安装拉杆,将拉杆截制成所需要的长度,并加工螺孔,在合模状态下锁紧螺丝(注意:拉杆固定前必须 保证模具处于完全合模状态,并已消除拉杆与滑块之间间隙,再锁紧螺丝);
- ·安装插杆,将插杆截制成所需要的长度,并垂直于分型面安装(注意保证几套锁模装置的行程一致);
- · 每套模具至少使用两套或两套以上锁模机构并且对称安装, 如未在模具上对称安装将可能导致单套锁模 扣受力,受力不平衡(不均)将会导致锁模扣断裂;
- ·此锁模装置只适用于对开模顺序有要求,合模顺序无要的场合,即无控制合模顺序功能;
- ·锁模扣零件为精密配合,请勿与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机测试, 因为吊机易导致不平衡)

- · Please install the housing in parallel to the parting line first.
- · Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed. (Please note: Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller).
- Please cut the latch bar to the necessary length, and installation in parallel to the parting line.
- · Please install the latch lock symmetrically otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- · Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing sequence function.
- Only suitable for mold plate opening sequence are required.
- · This latch lock is the precise standardized item, please do not apply together with other own customer
- · If mold need to maintain, please remove the latch locks first.
- · After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.











ZZ271



产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆尾部采用高频退火处理,方便二次加工安装孔;
- 3.该产品为ZZ171的升级版,插杆、拉杆表面增加DLC涂层, 更耐磨,使用寿命更长。

Features:

- 1. Due to double-sided locking system, safe and reliable.
- 2. High-frequency heat-treatment, easy to process mounting hole on the tail of latch bar and control bar.
- 3.It's the external version of ZZ171, there added DLC coating on the surface of inserting rod, pulling rod, it's more wearable and more living life.

Pos	品名 Part name	M 材质	H硬度
1	主体	P20	26-33HRC
2	拉杆	718H	
3	垫块	S45C	-
4	盖板	P20	26-33HRC
5	滑块	SKD61	48-52HRC
6	垫块	S45C	-
7	插杆	Cr12MoV	56±3HRC

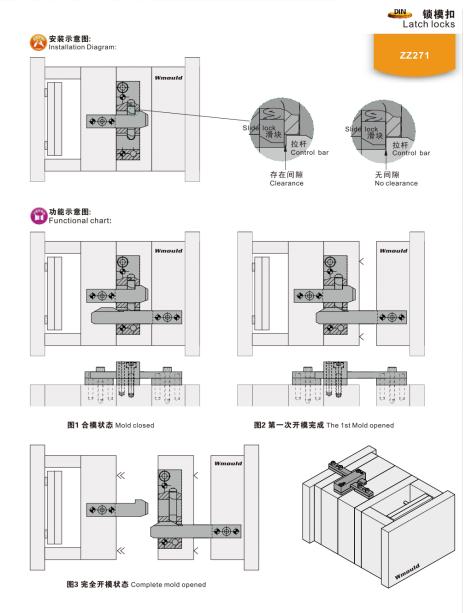


安装使用说明:

- ·首先安装主体,要求平行于分型面安装;
- ·安装拉杆,将拉杆截制成所需要的长度,并加工螺孔,在合模状态下锁紧螺丝(注意:拉杆固定前必须 保证模具处于完全合模状态,并已消除拉杆与滑块之间间隙,再锁紧螺丝);
- ·安装插杆,将插杆截制成所需要的长度,并垂直于分型面安装(注意保证几套锁模装置的行程一致);
- · 每套模具至少使用两套或两套以上锁模机构并且对称安装,如未在模具上对称安装将可能导致单套锁模 扣受力,受力不平衡(不均)将会导致锁模扣断裂;
- ·此锁模装置只适用于对开模顺序有要求,合模顺序无要的场合,即无控制合模顺序功能;
- ·锁模扣零件为精密配合,请勿与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机测试, 因为吊机易导致不平衡)

Installation Guidelines:

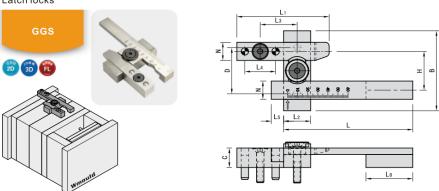
- · Please install the housing in parallel to the parting line first.
- Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed. (Please note: Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller).
- · Please cut the latch bar to the necessary length, and installation in parallel to the parting line.
- · Please install the latch lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- · Allows control of the mold plate opening sequence on mold bases, but not control of mold plate closing
- Only suitable for mold plate opening sequence are required.
- This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- · If mold need to maintain, please remove the latch locks first.
- · After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.



7///////





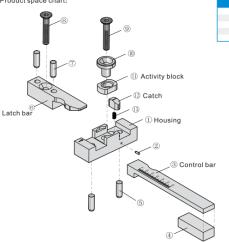


TOrder GGS-226616

Code		С	D	н	H1(min.)	L	L1	L2	L3
GGS-226616	66	16	38	32	10	105	75	22	30
GGS-368619	86	19	46	42.7	11.5	153	102	36	43
GGS-421024	106	24	56	50.2	14	190	124	42	51

Codo	1.4	15	10	M			@¥/P		
Code	L4	L5	Lb		5	7	8	9	W+1F
GGS-226616	25	10	38	15	Ø 6×20	Ø 6×30	M 6×30	M 6×35	
GGS-368619	32	12	50	20	Ø 8×24	Ø 8×36	M 8×36	M 8×40	
GGS-421024	40	15	60	24.5	Ø10×30	Ø10x40	M10×40	M10x45	

产品立体示意图: Product space chart:



Pos	品名 Part name	M材质	Ⅱ 硬度
1	主体	SKD11	55-62HRC
3 6	拉杆 插杆	Cr12MoV	55-58HRC
11	活动块	SKD61	52± 2HRC
12	波珠	SKD11	58-62HRC

产品特点:

- 1.此锁模扣专为分段开闭的模具而设计, 可控制模具的开合模顺序;
- 2.与一般的锁模扣相比,带有游标卡尺 的拉杆, 可精确调整模板在不同区段 和距离的开闭动作。

- 1. Designed for two steps opening molds. The gradual scale allows selection of the first opening.
- 2. After selecting the required stroke, fix the scale lever with the spacer.

🔐 锁模扣 Latch locks

- ·在第一次开模完成后,主体(1)上箭头将会指向拉杆(3)0刻度上,此时活动快(11)移动,直至完全卡入 拉杆(3)的圆弧槽内;
- ・活动块在移动同时插杆(6)也同步慢慢打开直至完全脱离主体,此时波珠(12)在弹簧的作用力下弹起锁 住活动块移动, 第二次开模控制完成;
- ·第一次合模时插杆再次插入主体,插杆压下波珠,将重新释放活动块,直至完成第二次合模。

The working principle of products:

- · After the 1st mold opened, the arrow of the housing(1) will point to 0 calibration of the control bar(3), the activity block is on moving till insert into R groove of the control bar(3) completely.
- · When the activity block on moving, the Latch bar (6) is opening till out of housing completely. The catch (12) are bouncing under the force of spring, and lock the activity block, this is the 2nd mold opened
- The Latch bar insert into the housing again in the 1st mold closed, the latch bar press the catch, and release the activity block till the 2nd mold closed finish.

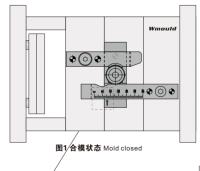
每套模具至少使用两套或两套以上并对称安装!

Installation information:

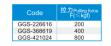
A minimum of two or more latch lock must

be mounted symmetrically.

分能示意图: Functional chart:







此锁模组件不但控制开模顺序,同时控制合模顺序

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

The latch lock control of the mold opening and closing sequence on mold bases.

Mold opening sequence: View1 > View2 > View3 Mold closing sequence: View3 > View2 > View1

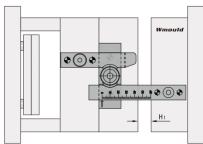
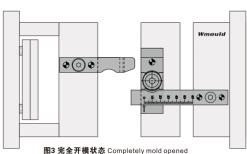


图2 第一次开模完成 The first mold opened



锁模扣 🚚

PPLSW

Latch locks

2D 3D FL

☎Order PPLSW



🤐 锁模扣 Latch locks



- ·安装锁紧座,要求平行于分型面安装;
- ·安装拉杆,将拉杆截制成所需要长度,并加工螺孔,在合模状态下,锁紧螺丝,(注意:在拉杆固定前 模具必须处于完全合模状态,并且已消除拉杆与锁紧块之间的间隙再锁紧螺丝),请以实物为准配做
- ·安装插杆,将插杆截成所需要长度,并垂直于分型面安装固定,(注意:保证好开模行程一致,可以根 据图2所示1.7mm为参考尺寸确定插杆长度);
- · 每套模具至少安装两套或两套以上, 并且对称安装;
- ·锁模扣零件为精密配合,请勿与其他自行加工的零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机 测试,因为吊机易导致不平衡)

Installation Guidelines:

- · Please install the cam holder in parallel to the parting line.
- · Before install the Lock bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed.(Please note:Make sure in a fully position mold before fix the control bar,and eliminate the clearance between the lock bar and lock block).
- Please cut the release bar to the necessary length, and installation in parallel to the parting line.
- · Please install the latch lock symmetrically at least two sets or more.
- · This latch lock is the precise standardized item, please do not apply together with other own customer machined parts, we will not be responsible for the anomaly which caused by it.
- · If mold need to maintain, please remove the latch locks first.
- · After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.

28.5

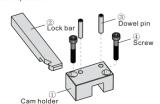
30-45HRC

产品立体示意图:

30-45HRC

40

Product space chart:



Lock block

Spacer

Base plate

150^{+0.3}

产品特点:

Latch bar

- 1.机械互锁设计,安全可靠;
- 2.插杆、拉杆尾部采用高频退火处理,方便二次加工安装孔。

- 1. Due to double-sided locking system, safe and reliable.
- 2 High-frequency heat-treatment easy to process mounting

hole	on	the	tail	of	latch	bar	and	contro	ol bar	

Pos	品名 Part name	M材质	H硬度	规格	数量
1	锁紧座	SKD61	50-55HRC	_	4
2	拉杆	SKS3	58-62HRC	-	1
3	销钉	-	-	Ø5×25	2
4	螺丝	-	-	M5×30	2
5	插杆	SKS3	50-55HRC		
6	垫块	S45C	-		
7	盖板	SKS3	50-55HRC	-	1
8	锁紧块	SKD11	58-62HRC		
9	弹簧	-	-		





图1 合模状态 Mold closed

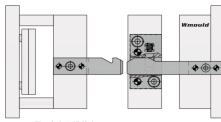


图3 完全开模状态 Mold opened completely

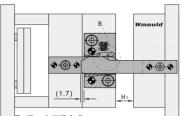


图2 第一次开模完成 The 1st mold opened



B部放大 B section

锁模扣 🚚

Latch locks





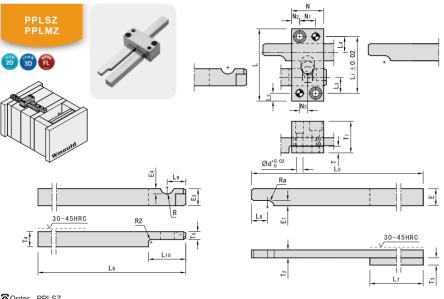


安装使用说明:

- 安装锁紧座,要求平行于分型面安装;
- ·安装钩形锁销,首先截制成所需要长度,并加工螺孔,在合模状态下,拉紧钩形锁销消除与锁紧座之间的 间隙并锁紧螺丝,请以实物为准配做销孔;
- ·安装插杆,将插杆与垫块截成所需要长度,以实物为准配做螺孔及销钉并垂直于分型面安装,(注意:保证 安装几套锁模扣开模行程一致,避免受力不平衡而损坏锁模扣);
- 每套模具至少使用两套或两套以上并对称安装。

Installation Guidelines:

- · Please install the cam holder in parallel to the parting line.
- · Cut the cam lock to the necessary length, form the bolt holes and reamer pilot holes, tighten the cam lock with the bolts while pulling it, carry out position adjustment by matching with the actual part, form the dowel holes, and fix the cam lock.
- · Please cut the release bar to the necessary length, and install it perpendicularly to the mold. Make sure overhang length L of each release bar the same in order to equalize the release points. (Maintain proper alignment of the release points to avoid uneven contact and resultant breakage.)
- · Please install the latch lock symmetrically at least two sets or more.



☎Order PPLSZ

- Ciaci															
Code			L2	L3	L4	L5		L7	L8		L10				
PPLSZ	55	43	6	12	12	150	12	40	100	14	28	24	12	6	6
DDI M7	67	53	7	15	14	200	16	50	150	18	36	32	16	Ω	8

Code							Ra							@¥/P
PPLSZ	5	13	4	13	4	5	5	5	24	6	5.5	11.5	6	
DDI M7	0	40	E	40	E	0	0	0	22 5	40	C E	40 E	40	

产品立体示意图:

Release bar



Cam holder

Backing plate

6 Cam lock

③ Lock block 4 Lock pin

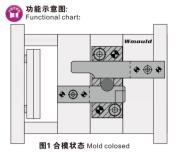


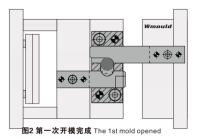
- 1.机械互锁设计,安全可靠;
- 2.插杆、拉杆尾部采用高频退火处理,方便二次加工安装孔。

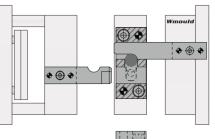
Features:

- 1. Due to double-sided locking system, safe and reliable
- 2. High-frequency heat-treatment, easy to process mounting hole on the tail of latch bar and control bar.

Pos	品名	M材质	H硬度	规	格	数量
Pos	Part name	図を対処	10 硬度	PPLSZ	PPLMZ	数里
1	锁紧座	SKD61	50-55HRC			
2	弹簧					
3	锁紧块	-	-			
4	锁紧销	SKD11	58-62HRC			
5	锁紧座底板	S45C	-	-	-	1
6	钩形锁销	SKS3	58-62HRC			
7	插销垫块	-	-			
8	插销	SKS3	58-62HRC			
9	螺丝			M5×25	M6×35	2
10	锚钉		-	Ø5×30	Ø6×35	2









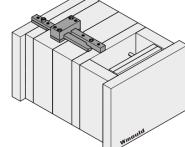


图3 完全开模状态 Mold opened completely

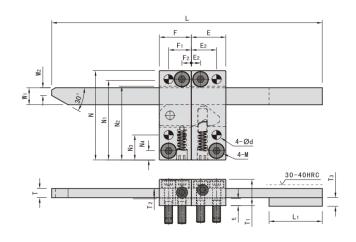












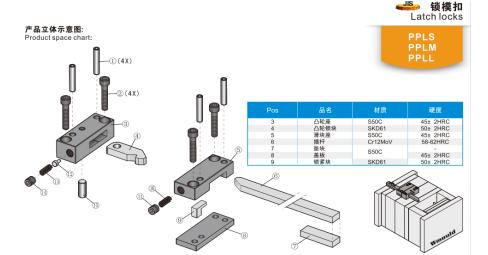
产品特点:

- 1.结构紧凑,占用安装空间小;
- 2.机械锁模设计,安全可靠,正确开模,无反作用力;
- 3.完全无锁模负载,可适用于低压锁模成形;
- 4.无合模自锁功能,在合模过程中,无论第一或第二次分型面先合,都不用担心干涉现象;
- 5.插杆尾部高频退火处理,方便二次加工。

- 1. Compact structure, small installation space.
- 2. Mechanical mold locking design, safety and dependable, right opening mold, no reacting force.
- 3. No mold locking load, apply to low pressure mold locking shaping.
- 4. No auto-lock function of closed mould, no matter first or second joint face during closed mould, don't worry interference phenomenon.
- 5. The end of insert bar adopt high frequency annealing treatment , Convenient second processing.

Code											F2		t
PPLS	68	61.5	55	19	7	26	19	7	24	17	7	Ø 6	6
PPLM	88	79	70	24	9	38	29	9	30	21	9	Ø 8	7
PPLL	104	93	82	27	11	48	37	11	38	27	11	Ø10	8

Code									安装螺丝 Mounting screws	定位销 Dowel pin	@¥/P
PPLS	7	20	8	6.5	13	5.9	250	40	M 6×25	Ø 6×30	
PPLM	10	30	12	8	16	8	300	50	M 8×35	Ø 8×40	
DDII	15.5	45	20	10.2	20	0.5	250	55	M10v50	Ø10×50	

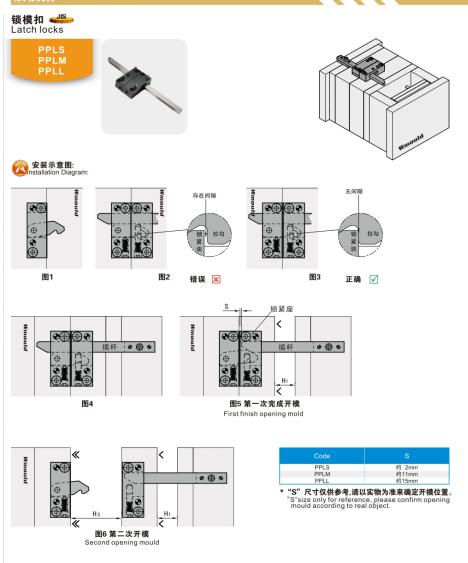


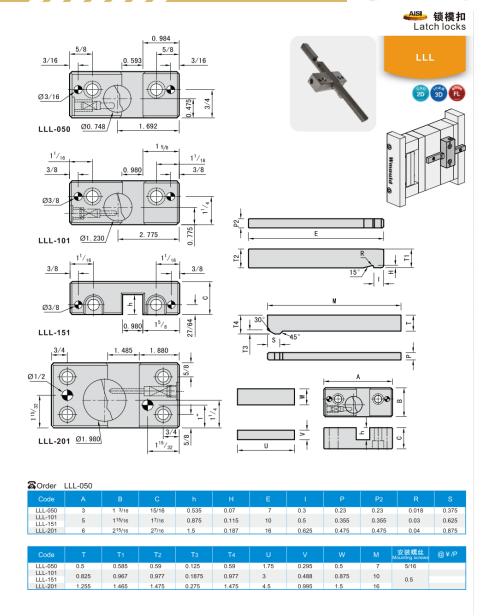
🬇 安装使用说明:

- ·如图1所示,安装锁紧座;
- ·如图2所示,配合锁紧座安装滑块座,此时拉勾与锁紧块之间可能出现间隙;
- ·如图3所示,平行移动滑块座,使拉勾与锁紧块之间无间隙,在保证无间隙的情况下,锁紧螺丝并配做
- ·如图4所示,将锁模组件对称安装在模具上后,再根据开模行程来确定插杆长度,确定各组件已正确安装并 且运行正常后再配做插杆上的定位销孔:
- ·如图5所示,当插杆前端面距离锁紧座端面 "S"位置时,第一次开模行程完全打开;
- ·锁模扣为精密装置,请以实物定位并对称安装,根据模具的大小及载荷,选择对应的数量(2套以上)和 规格;(备有三种规格可供选择)
- ·确保所有安装锁模扣的插杆行程在开模时能够同时使拉勾与锁紧块脱开,否则单套受力将导致锁模扣断裂;
- ·进行配合功能测试, 查看锁模扣机构各部位是否顺畅, 行程是否吻合;
- · 锁模组件需要维修改动, 请先拆除锁模装置后再进行后续操作。

- · Drawing 1:Install the cam holder on the movable mold
- Drawing 2:Install the slide holder with the cam holder, it might cause a looseness between the cam lock
- Drawing 3:In order to eliminate looseness between the cam lock and the slide lock, insert the release bar temporarily fix the slide holder while pulling it parallel to the cam holder, ream the holes and press-fit the
- · Drawing 4:Install the die in the molding machine, cut the release bar to the necessary length, form the bolt holes and reamer pilot holes, temporarily fix the release bar, check the sliding operation for the parting lock, and then ream the holes and press-fit the dowel pins.
- Drawing 5:When the front of insert bar distance from locking base S position, first opening mould stroke
- · Latch lock is precision device, please rely on real object to fixed position and symmetry install, choose corresponding quantity (2set above) and code according to different mould size and load. (reserve three code to choose)
- · Guarantee all install insert bar of latch lock stroke can release from pull hook and lock base when opening mould .otherwise only reply on press will break latch lock.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide
- · First remove latch lock device to follow-up operation if need maintenance and change



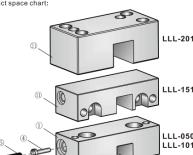


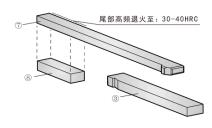












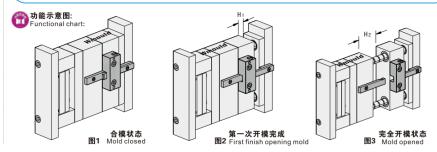


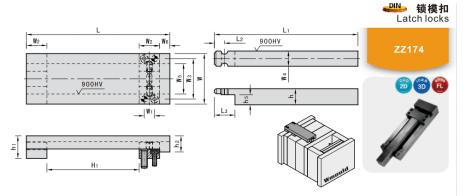
Pos	品名	材质	硬度
1 11	主体	718H	28-38HRC
21 2	滚轮镶件	SKD61	52± 2HRC
3 7	拉杆 插杆	718H Cr12MoV	表面氮化 55-58HRC
8	垫块	S45	-

- · 将主体平行于分型面安装在定模板上, 将拉杆垂直于分型面安装在动模板上, 注意安装拉杆时确保模 具处于完全合模状态,并已消除拉杆与滚轮镶件之间的间隙;
- ·将锁模组件对称安装在模具上后,再根据开模行程来确定插杆长度,确定各组件已正确安装并且运行 正常后再配做插杆上定位销孔;
- · 每套模具建议对称安装四套,请注意精准控制好开模行程一致,如未在模具上对称安装或行程不一致将 导致使单套锁模扣受力,受力不平衡将有导致锁模扣断裂的可能;
- ·进行配合功能测试,查看锁模扣各部位运动是否顺畅,并确定好第一次开模行程值;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Installation Guidelines:

- · Body parallel to joint face installed on fixed mould plate, bar vertical on joint face installed on removable mould plate, please notes when install this bar ensure mould in closed mould, at the same eliminate the space between bar and roller inserts.
- · These parts of Latch lock have to symmetrical install on the mould ,According to stroke to confirm bar length, Guarantee various parts accurate installation and running, then to do bar and installed in dowel
- Every mould suggest to symmetrical installed 4sets, please notes precision control make stroke same during opening mould, if no symmetrical install or different stroke will make single set latch lock get force, imbalance force will cause lath lock break.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide
- · First remove latch lock device to follow-up operation if need maintenance and change





产品特点:

- 1.机械互锁设计,安全可靠;
- 2.重要部位采用SKD11材质制作,更耐磨,使用寿命更长;
- 3.配有加长型 "HV" 插杆, 使用范围更广;
- 4.锁模力度大,根据模具的大小及载荷,选择对应的数量和规格。(备有三种规格可供选择)

- 1. Due to double-sided locking system, safe and reliable
- 2. The key parts are made of SKD11, with high wearproof, more durable.
- 3. With the extended HV stroke latch bar , extensively usage
- 4.Big locking force .choose corresponding quantity and code according to mould size and load. (reserve three code to choose)

Order ZZ174-W-H₁

W	l l	- 11		L1	L2	L3	定位销	拉力Pulling force		
VV	max.						Dowel pin	MaX. F(kgf)	Mounting screws	
50	90	4	140	140	9.75	20		1600	M4×12	
30	130	-	180	180	5.75	20	6×20	1000	IVI4^ 12	
80	117	5.5	200	200 16.75		34	6^20	2700	M6×16	
80	167	5.5	250	250	10.75	34		2700	IVIO^ IO	
100	145	7			22.25	45	8×24	4800	M8×18	
100	195	'	300	300	22.25	45	0~24	4000	IVIO* 10	

W1	W2	Wз	W4	W5	h	h1	h2	h5	@¥/P
10	20	40	15	30.05	16	22.3	16	10	
16	34	60	20	40.05	21	30.3	22	13	
22	45	80	25	60.05	27	37.5	27	16	

kgf=N x 0.101972



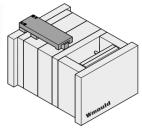
🔐 锁模扣

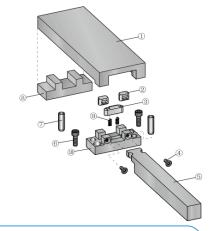
Latch locks

锁模扣 PIN Latch locks









产品立体示意图:

Product space chart:



安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态并已消除插杆与波珠之间的间隙,然后配做销钉孔;
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或以上锁模扣,并确保开模行程一致及对称安装,如安装不一致或未对称安装将导致锁模组件断裂;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Installation Guidelines:

- · Installed ball slide ,request parallel with joint face to install
- Installed insert bar, cut off insert bar length according to real demand, and processing screw holes, make sure mould completely closed mould before locking screw, at the same eliminate the space between insert bar and ball, then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould ,According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed position dowel bin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock heak
- Coordinate function test ,check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · First remove latch lock device to follow-up operation if need maintenance and change.

主体截取示意图:

Body cut off drawing:



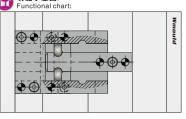
插杆截取示意图:

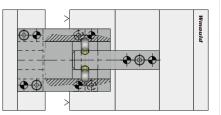
Insert bar cut off drawing:

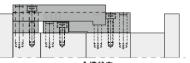


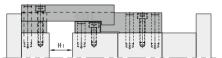


7//////

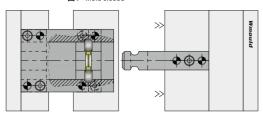








合模状态 图1 Mold closed





此锁模组件具有控制开合模顺序功能:

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

This latch lock with control opening and closed mould function opening mould sequence:

drawing 1>drawing 2>drawing 3 closed mould sequence : drawing 3>drawing 2>drawing 1

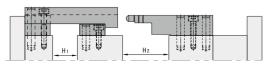


图3 第二次开模完成

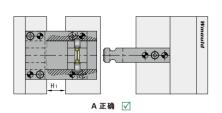
Second opening mould

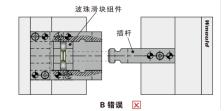
警告:

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导致合模过程中,插杆无法插入波珠滑块组件中而损坏锁模机构。

Warning:

As below drawing show, when insert bar release ball slide parts. must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.

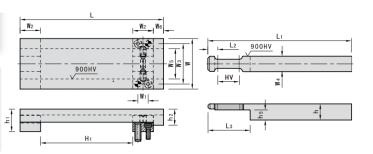


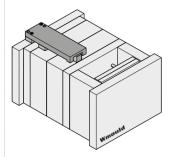












产品特点:

- 1.机械互锁设计,安全可靠;
- 2.重要部位采用SKD11材质制作, 更耐磨, 使用寿命更长;
- 3.加长型 "HV" 插杆, 使用范围更广;
- 4.锁模力度大,根据模具的大小及载荷,选择对应的数量 和规格。(备有三种规格可供选择)

- 1.1. Due to double-sided locking system, safe and reliable.
- 2. The key parts are made of SKD11, with high wearproof,
- 3. With the extended HV stroke latch bar, extensively usage.
- 4. Big locking force, choose corresponding quantity and code according to mould size and load. (reserve three code to choose)

Crder 77174-W-H1-Hv

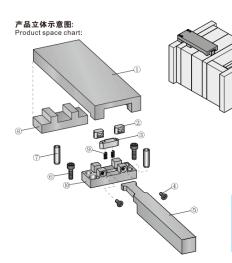
W 50 80						L2	L3	定位销 Dowel pin	拉力Pulling force	安装螺丝
	max.	min.							MaX. F(kgf)	Mounting screws
60	90	4	20	140	140	9.75	20	6×20	1600	M4×12
30	130		50	180	180	5.70	20		1000	1014112
90	117	5.5	32	200	200	16.75	34		2700	M6×16
80	167	5.5	75	250	250	10.75	34		2700	IVIO* IO
100	145	7	50	230	230	22.25	A.E.	8×24	4800	M8×18
100	195	/	80	300	300	22.25	45	45 8×24	4600	IVIO^ 10

W1	W2	Wз	W4	W5	h	h1	h2	h5	@¥/P
10	20	40	15	30.05	16	22.3	16	10	
16	34	60	20	40.05	21	30.3	22	13	
22	45	80	25	60.05	27	37.5	27	16	

kgf=N × 0.101972



Latch locks





螺丝(4)无实际应用功能,为了避免锁模扣安装在模具上 前防止波珠(2)掉落丢失或安装时遗忘;

Screw (4) no real application function, before latch lock installed on the mould, prevent ball slide (2)drop out or forget during installing.

Pos	品名	材质	硬度
1	主体	718H	≈900HV
2	波珠	SKD11	58-62HRC
3	凸轮珠	OKDII	30-021 II C
5	插杆	718H	28-38HRC
8	垫块	S45C	
10	波珠滑块	718H	28-38HRC

🜇 安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,将模具HV行程处于完全打开状态,消除插杆与 波珠之间间隙后锁紧螺丝并配做销钉孔;
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或两套以上锁模扣. 并确保开模行程一致及对称安装, 如开模行程不一致或未对 称安装将导致锁模组件断裂:
- ·进行一个配合功能测试,查看锁模扣各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动, 请先拆除锁模装置后再进行后续操作。

- · Installed ball slide, request parallel with joint face to install.
- · Installed insert bar, cut off insert bar length according to real demand and processing screw holes. mould HV stroke in completely opening condition, at the same eliminate the space between insert bar and ball then to do with dowel pin holes.
- · Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed position
- · Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide
- · First remove latch lock device to follow-up operation if need maintenance and change.

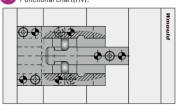


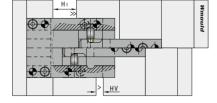


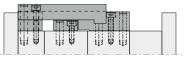
锁模扣 🕮

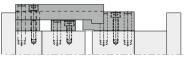
Latch locks













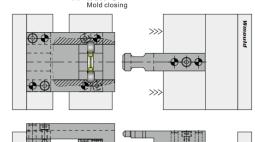


图2 第一次开(合)模完成

Drawing 2 first opening (closed) mould finished

此锁模组件具有控制开合模顺序功能:

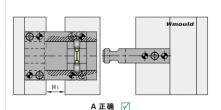
开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

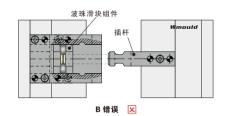
This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

HV+H₂ 图3 第二次开模完成 Second opening mould

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导 致合模过程中, 插杆无法插入波珠滑块组件中而损坏锁模机构。

As below drawing show, when insert bar release ball slide parts. must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.





₩ 锁模扣 Latch locks W2 DLC 900HV L₃ ₁

产品特点:

- 1.机械互锁设计,安全可靠;
- 2.重要部位采用SKD11材质制作,更耐磨,使用寿命更长;
- 3.配有加长型 "HV" 插杆, 使用范围更广;
- 4.锁模力度大,根据模具的大小及载荷,选择对应的数量和规格。(备有三种规格可供选择)
- 5 该产品为ZZ174的升级版,插杆、拉杆表面增加DLC涂层,更耐磨,使用寿命更长。

- 1. Due to double-sided locking system, safe and reliable
- 2.The key parts are made of SKD11, with high wearproof ,more durable. 3.With the extended HV stroke latch bar ,extensively usage.
- 4. Big locking force .choose corresponding quantity and code according to mould size and load. (reserve three code to choose)
- 5. It's the external version of ZZ174, there added DLC coating on the surface of inserting rod, pulling rod, it's more wearable and more living life.

w	H1				10	10	定位销	拉力Pulling force	安装螺丝
	max.	min.		L1	L2	L3	Dowel pin	MaX. F(kgf)	Mounting screws
50	90	4	140	140	9.75	20		1600	M4×12
50	130	4	180	180	5.13	20	6×20	1000	IVI+ 12
80	117	5.5	200	200	16.75	34	6×20	2700	M6×16
80	167	5.5	250	250	10.75	34		2700	IVIO ~ TO
100	145		22.25	45	8×24	4800	M8×18		
100	195	,	300	300	22.25	45	0*24	4000	IVIO^ IO

	W1	W2	W3	W4	W5	h	h1	h2	h5	@¥/P
Γ	10	20	40	15	30.05	16	22.3	16	10	
	16	34	60	20	40.05	21	30.3	22	13	
	22	45	80	25	60.05	27	37.5	27	16	

kgf=N × 0.101972



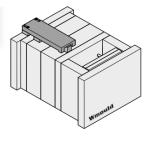
🔐 锁模扣

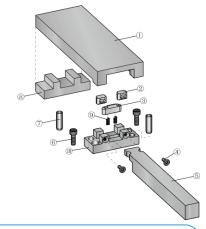
Latch locks

锁模扣 PIN Latch locks









产品立体示意图:

Product space chart:



安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态并已消除插杆与波珠之间的间隙,然后配做销钉孔;
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或以上锁模扣,并确保开模行程一致及对称安装,如安装不一致或未对称安装将导致锁模组件断裂;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Installation Guidelines:

- · Installed ball slide , request parallel with joint face to install.
- Installed insert bar, cut off insert bar length according to real demand, and processing screw holes, make sure mould completely closed mould before locking screw, at the same eliminate the space between insert bar and ball, then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould ,According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed position dowel bin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · First remove latch lock device to follow-up operation if need maintenance and change.

主体截取示意图:

Body cut off drawing:



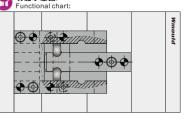
插杆截取示意图:

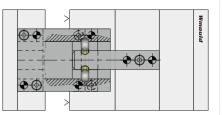
Insert bar cut off drawing:

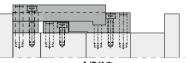


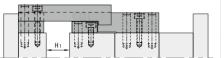


7//////

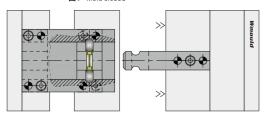


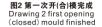






合模状态 图1 Mold closed





此锁模组件具有控制开合模顺序功能:

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

This latch lock with control opening and closed mould function opening mould sequence:

drawing 1>drawing 2>drawing 3 closed mould sequence : drawing 3>drawing 2>drawing 1

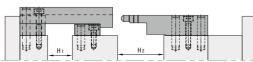


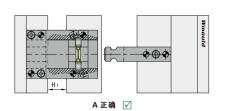
图3 第二次开模完成 Second opening mould

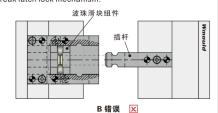
Second of

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导致合模过程中,插杆无法插入波珠滑块组件中而损坏锁模机构。

Warning:

As below drawing show, when insert bar release ball slide parts. must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.





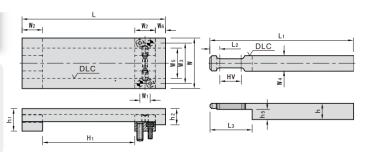
For more information please visit the website: https://yhb.com.vn

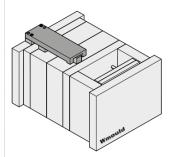




ZZ274







产品特点:

- 1.机械互锁设计,安全可靠;
- 2.重要部位采用SKD11材质制作,更耐磨,使用寿命更长;
- 3.加长型 "HV" 插杆, 使用范围更广;
- 4.锁模力度大,根据模具的大小及载荷,选择对应的数量 和规格。(备有三种规格可供选择)
- 5. 该产品为ZZ174的升级版,插杆、拉杆表面增加DLC涂层, 更耐磨,使用寿命更长。

Feature:

- 1. Due to double-sided locking system, safe and reliable.
- 2. The key parts are made of SKD11, with high wearproof,
- 3. With the extended HV stroke latch bar, extensively usage.
- 4. Big locking force, choose corresponding quantity and code according to mould size and load. (reserve three
- 5. It's the external version of ZZ174, there added DLC coating on the surface of inserting rod, pulling rod, it's more wearable and more living life.

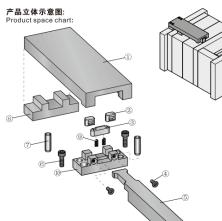
W		11	Hv		L1	12	L3	定位销	拉力Pulling force	安装螺丝
	max.	min.						Dowel pin	MaX. F(kgf)	Mounting screws
50	90	4	20	140	140	9.75	20		1600	M4×12
50	130	4	50	180	180	9.75	20	6×20	1600	IVI4* 12
80	117	E E	32	200	200	10.75	34	0^20	2700	M6×16
80	167	5.5 75 250 250 16.75	34		2700	IVIO* IO				
100	145	7	50	200	200	22.25	45	8×24	4800	M8×18
100	195	/	80	300	300	22.25	45	0^24	4600	IVIO^ IO

W1	W2	Wз	W4	W5	h	h1	h2	h5	@¥/P
10	20	40	15	30.05	16	22.3	16	10	
16	34	60	20	40.05	21	30.3	22	13	
22	45	80	25	60.05	27	37.5	27	16	

 $kqf=N \times 0.101972$

锁模扣

Latch locks





螺丝(4)无实际应用功能,为了避免锁模扣安装在模具上 前防止波珠(2)掉落丢失或安装时遗忘:

Screw (4) no real application function, before latch lock installed on the mould, prevent ball slide (2)drop out or forget during installing.

Pos	品名	材质	硬度
1	主体	718H	≈900HV
2 3	波珠 凸轮珠	SKD11	58-62HRC
5	插杆	718H	28-38HRC
8	垫块	S45C	-
10	波珠滑块	718H	28-38HRC

安装使用说明:

- · 安装波珠滑块, 要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,将模具HV行程处于完全打开状态,消除插杆与 波珠之间间隙后锁紧螺丝并配做销钉孔;
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或两套以上锁模扣,并确保开模行程一致及对称安装,如开模行程不一致或未对 称安装将导致锁模组件断裂;
- ·进行一个配合功能测试,查看锁模扣各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动, 请先拆除锁模装置后再进行后续操作。

- · Installed ball slide, request parallel with joint face to install.
- · Installed insert bar, cut off insert bar length according to real demand and processing screw holes. mould HV stroke in completely opening condition. at the same eliminate the space between insert bar and ball then to do with dowel pin holes.
- · Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed position
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide
- · First remove latch lock device to follow-up operation if need maintenance and change





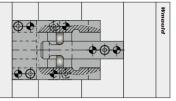
❷❷ 锁模扣

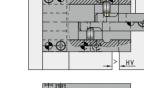
Latch locks

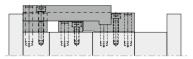


Latch locks









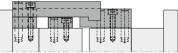


图1 合模状态 Mold closing

>>> >>>

图2 第一次开(合)模完成 Drawing 2 first opening (closed) mould finished

此锁模组件具有控制开合模顺序功能:

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

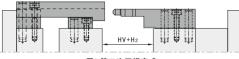
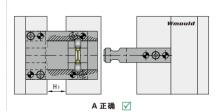


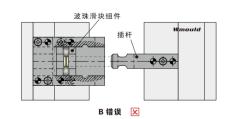
图3 第二次开模完成

警告:

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导 致合模过程中, 插杆无法插入波珠滑块组件中而损坏锁模机构。

As below drawing show, when insert bar release ball slide parts, must be sure ball slide in this A drawing position, otherwise will cause insert bar can't insert into ball slide and break latch lock mechanism.





2D 3D FL ZZ4-1 E3_ 30-40HRC L5+HV L2

HV=0

ZZ4-15 ZZ4-2

产品特点:

- 1.机械互锁设计,安全可靠;

- 1.Due to double-sided locking system, safe and reliable . 2.The end of insert bar high frequency annealing treatment .
- 2.插杆尾部高频退火处理,更方便安装加工;
 3.配有加长型 "HV" 插杆,使用范围更广。
 2.In e end of insert par night frequency annealing treatment easy to install and processing.
 3.With the extended HV stroke latch bar ,extensively usage.

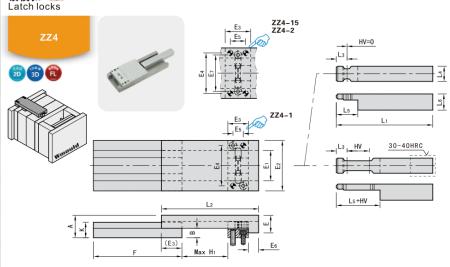
☎Order ZZ4-1-0-0

50	0 25 50 75	22.3	9.3	96	17.5	30	20	40	10	10
75	0 25 50 75	30.3	12.3	121	23.5	45	30	65	20	45
90	0 25 50 75	37.5	15.5	159	29	60	36	74	25	15

Code			L2	L3	L4	L5		定位销 Dowel pin	安装螺丝 Mounting screws	@¥/P
ZZ4- 1- 0-0 ZZ4- 1-25-0 ZZ4- 1-50-0 ZZ4- 1-75-0	-	146	146	10	15	21	16	Ø5×16	M4×12	
ZZ4-15- 0-0 ZZ4-15-25-0 ZZ4-15-50-0 ZZ4-15-75-0	56	196	196	15	20	31	21	Ø5×20	M8×16	
ZZ4- 2- 0-0 ZZ4- 2-25-0 ZZ4- 2-50-0 ZZ4- 2-75-0	74	246	246	18	25	38	27	Ø6×20	M8×20	



锁模扣 🕮



产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆尾部高频退火处理,更方便安装加工;
- 3.配有加长型 "HV" 插杆及加长垫块, 使用范围更广。

- 1. Due to double-sided locking system, safe and reliable.
- 2. The end of insert bar high frequency annealing treatment. easy to install and processing
- 3. With the extended HV stroke latch bar, extensively usage.

SOrder ZZ4-1-0-41

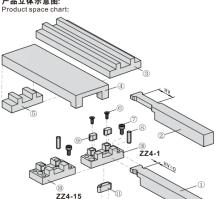
E2												
50	0 25 50 75	96	22.3	9.3	146	17.5	30	20	40	10	10	-
75	0 25 50 75	121	30.3	12.3	196	23.5	45	30	65	20	15	56
90	0 25 50 75	159	37.5	15.5	246	29	60	36	74	25	15	74

Code	K	L1	L2	L3	L4	L5	L6	定位销 Dowel pin	安装螺丝 Mounting screws	@¥/P
ZZ4- 1- 0-41 ZZ4- 1-25-41 ZZ4- 1-50-41 ZZ4- 1-75-41	16	146	146	10	15	21	16	Ø5×16	M4×12	
ZZ4-15- 0-41 ZZ4-15-25-41 ZZ4-15-50-41 ZZ4-15-75-41	21	196	196	15	20	31	21	Ø5×20	M8×16	
ZZ4- 2- 0-41 ZZ4- 2-25-41 ZZ4- 2-50-41 ZZ4- 2-75-41	27	246	246	18	25	38	27	Ø6×20	M8×20	

₩ 锁模扣

Latch locks

产品立体示意图:



- 1.螺丝(6)无实际应用功能,为了避免锁模扣安装在模具上 前防止波珠(9)掉落丢失或安装时遗忘;
- 2.ZZ4-15、ZZ4-2相比ZZ4-1多两个定位销孔(如图)。
- 1.screw (6)no real application function, before latch lock installed on the mould, prevent ball slide (9)drop out or forget during installing.
- 2.ZZ4-15, ZZ4-2 compare with ZZ4-1 add 2pcs dowel pin.

Pos	品名	材质	硬度
1	播杆	Cr12MoV	55-58HRC
2		OI IZMOV	00 0011110
3	垫块	S45C	-
4	主体	718H	≈900HV
5	垫块	S45C	
9	波珠	SKD11	58-62HRC
10	波珠滑块	718H	28-38HRC
11	凸轮珠	SKD11	58-62HRC

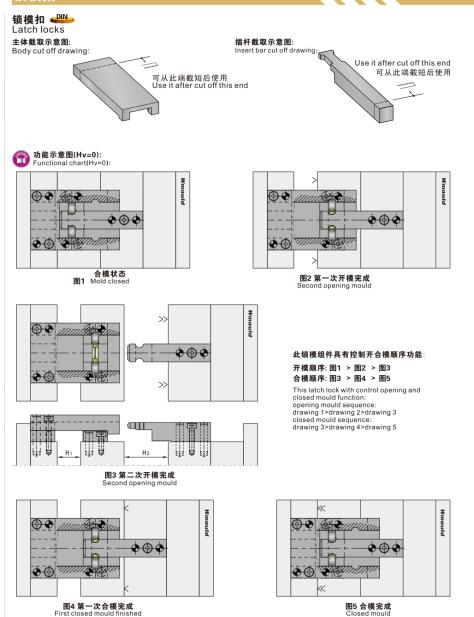
👚 安装使用说明:

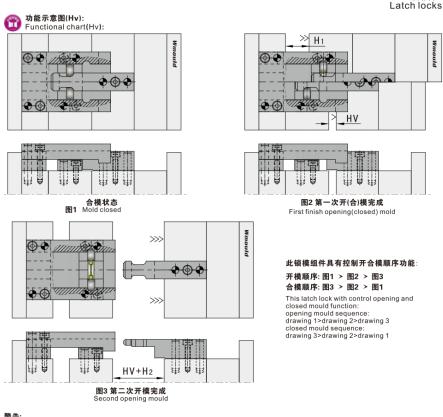
- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态后配做 销钉孔(安装带HV行程插杆时,将模具HV行程处于完全打开状态,消除插杆与波珠之间间隙后锁紧螺丝 并配做销钉孔);
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或两套以上锁模扣,并确保开模行程一致及对称安装,如开模行程不一致或未对 称安装将导致锁模组件断裂;
- ·进行一个配合功能测试,查看锁模扣各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

- · Installed ball slide, request parallel with joint face to install.
- · Installed insert bar, cut off insert bar length according to real demand and processing screw holes. make sure mould is closed mould before locking tight the screw to do dowel pin holes. (Install insert bar with HV stroke, mould HV stroke shall be in completely opening condition. at the same eliminate the space between insert bar and ball .then to do with dowel pin holes.
- · Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed dowel
- · Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke
- · First remove latch lock device to follow-up operation if need maintenance and change.



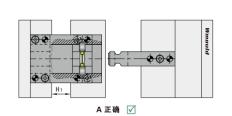
₩ 锁模扣

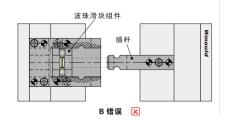




如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导 致合模过程中, 插杆无法插入波珠滑块组件中而损坏锁模机构。

As below drawing show, when insert bar release ball slide parts must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.



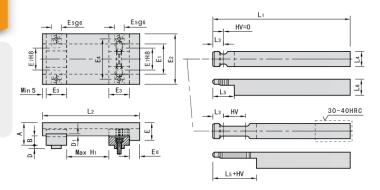






ZZ





产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆尾部高频退火处理,更方便安装加工;
- 3.配有加长型 "HV" 插杆, 使用范围更广;
- 4.波珠滑块及垫块底面增加一个定位凸台,替代了传统的销钉定位。

Feature

- 1. Due to double-sided locking system, safe and reliable.
- 2. The end of insert bar high frequency annealing treatment. easy to install and processing.
- 3. With the extended HV stroke latch bar, extensively usage.
- 4.Ball slide and the base of pad add a fixed position bulge, instead of traditional dowel pin to fixed position.

Corder ZZ4-11-0-0

E2											
50	0 25 50 75	91	22.3	9.3	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	23.5	45	30	56	12	15	30
90	0 25 50	154	37.5	15.5	29	60	36	72	14	15	38

Code	D	D1	L1	L2	L3	L4	L5	L6	安装螺丝 Mounting screws	@¥/P
ZZ4-11- 0-0 ZZ4-11-25-0 ZZ4-11-50-0 ZZ4- 11-75-0	4	3	146	146	10	15	21	16	M 6×20	
ZZ4-16- 0-0 ZZ4-16-25-0 ZZ4-16-50-0 ZZ4-16-75-0	5	4.5	196	196	15	20	31	21	M 8×25	
ZZ4-21- 0-0 ZZ4-21-25-0 ZZ4-21-50-0 ZZ4-21-75-0	6	6	246	246	18	25	38	27	M10×30	

产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆尾部高频退火处理,更方便安装加工;
- 3.配有加长型 "HV" 插杆, 使用范围更广;
- 4.波珠滑块及垫块底面增加一个定位凸台,替代了传统的销钉定位。

Feature:

- 1. Due to double-sided locking system, safe and reliable.
- 2. The end of insert bar high frequency annealing treatment. easy to install and processing.
- 3. With the extended HV stroke latch bar, extensively usage.
- 4.Ball slide and the base of pad add a fixed position bulge, instead of traditional dowel pin to fixed position.

Tolder ZZ4-11-0-41

E2	Hv	H1	А	В	F	Е	E1	E3	E4	E5	E6	E7
50	0 25 50 75	91	22.3	9.3	146	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	196	23.5	45	30	56	12	15	30
90	0 25 50 75	154	37.5	15.5	246	29	60	36	72	14	15	38

Code	К	L1	L2	L3	L4	L5	L6	D	安装螺丝 Mounting screws	@¥/P					
ZZ4-11- 0-41 ZZ4-11-25-41															
ZZ4-11-20-41	16	146	146	10	15	21	16	4	M 6×20						
ZZ4-11-75-41															
ZZ4-16- 0-41															
ZZ4-16-25-41 ZZ4-16-50-41	21	196	196	15	20	31	21	5	M 8×25						
ZZ4-16-75-41															
ZZ4-21- 0-41															
ZZ4-21-25-41	27	27 246	246	18	25	38	27	6	M10×30						
ZZ4-21-50-41	27		240	10	20	30	21	6	W 10~30						
ZZ4-21-75-41															

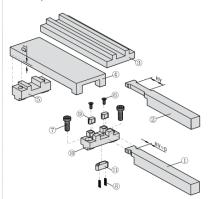


锁模扣 🔐

Latch locks

产品立体示意图:

Product space chart:



Pos	品名	材质	硬度
1 2	插杆	Cr12MoV	55-58HRC
3	垫块	S45C	-
4	主体	718H	≈900HV
5	垫块	S45C	-
9	波珠	SKD11	58-62HRC
10	波珠滑块	718H	28-38HRC
11	凸轮珠	SKD11	58-62HRC

螺丝(6)无实际应用功能,为了避免锁模扣安装在模具上前防止波珠(9)掉落丢失或安装时遗忘。

Screw (6)no real application function, before latch lock installed on the mould, prevent ball slide (9)drop out or forget during installing.

🚗 安装使用说明:

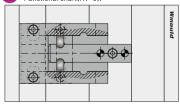
- ·安装波珠滑块,要求平行于分型面安装;
- · 安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态后配做销钉孔(安装带N行程插杆时,将模具HV行程处于完全打开状态.消除插杆与波珠之间间隙后锁紧螺丝 社配做销钉到)。
- ·将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位槽;
- ・每套模具至少安装两套或两套以上锁模扣,并确保开模行程一致及对称安装,如开模行程不一致或未对 称安装将导致锁模组件断裂:
- ·进行一个配合功能测试, 查看锁模扣各部位配合是否顺畅, 行程是否吻合。
- · 如模具需要维修改动, 请先拆除锁模装置后再进行后续操作。

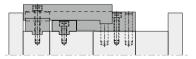
Installation Guidelines:

- · Installed ball slide, request parallel with joint face to install.
- Installed insert bar, cut off insert bar length according to real demand, and processing screw holes,
 make sure mould is closed mould before locking tight the screw to do dowel pin holes. (Install insert bar
 with HV stroke, mould HV stroke shall be in completely opening condition, at the same eliminate the
 space between insert bar and ball, then to do with dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length.
 Ensure various parts install correctly and normal running, then to do with body and install fixed dowel nin holes
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · First remove latch lock device to follow-up operation if need maintenance and change

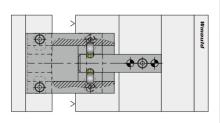








合模状态 图1 Mold closed



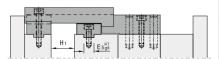
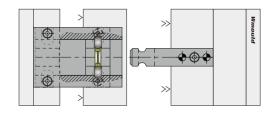


图2 第一次开(合)模完成 First finish opening(closed) mold



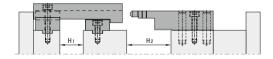
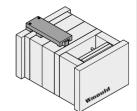


图3 第二次开模完成 Second opening mould

此锁模组件具有控制开合模顺序功能

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

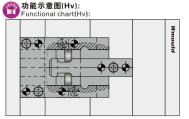


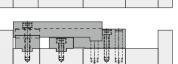


型N 锁模扣

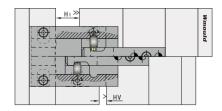
Latch locks











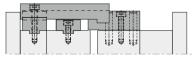
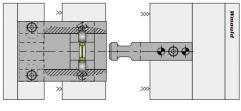
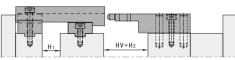


图2 第一次开(合)模完成 First finish opening(closed) mold





此锁模组件具有控制开合模顺序功能:

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

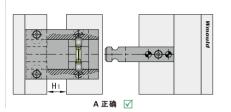
This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

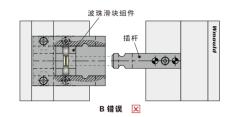
图3 第二次开模完成

警告:

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导 致合模过程中, 插杆无法插入波珠滑块组件中而损坏锁模机构。

As below drawing show, when insert bar release ball slide parts.must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.





E5g6 HV=0 2D 3D FL L₅ Min 5 | E3 | Ез L5+HV ZZ4-17-31 Ð ZZ4-17-31 _| M5 40

产品特点:

- 1.机械互锁设计,安全可靠;
- 2.插杆尾部高频退火处理,更方便安装加工;
- 3.配有加长型 "HV" 插杆及加长垫块, 使用范围更广。

Feature:

- 1.Due to double-sided locking system, safe and reliable.
 2.The end of insert bar high frequency annealing treatment. asy to install and processing.
- 3. With the extended HV stroke latch bar, extensively usage.

☎Order ZZ4-12-0-0

E2	Hv	H1	А	В	E	E1	E 3	E4	E5	E6	
50	0 25 50 75	91	22.3	9.3	17.5	30	20	38	10	10	22
75	0 25 50 75	116	30.3	12.3	23.5	45	30	56	12	45	30
90	0 25 50	154	37.5	15.5	29	60	36	72	14	15	38

Code	D	D1	L1	L2	L3	L4	L5	L7	安装螺丝 Mounting screws	@¥/P
ZZ4-12- 0-0 ZZ4-12-25-0 ZZ4-12-50-0 ZZ4-12-75-0	4	3	146	146	10	15	21	22	M 6×20	
ZZ4-17- 0-0 ZZ4-17-25-0 ZZ4-17-50-0 ZZ4-17-75-0	5	4.5	196	196	15	20	31	27	M 8×20	
ZZ4-22- 0-0 ZZ4-22-25-0 ZZ4-22-50-0 ZZ4-22-75-0	6	6	246	246	18	25	38	33	M10×30	

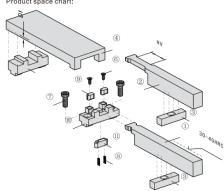


锁模扣

Latch locks

锁模扣 🔐 Latch locks

产品立体示意图: Product space chart:



- 1.螺丝(6)无实际应用功能,为了避免锁模扣安装在模具上 前防止波珠(9)掉落丢失或安装时遗忘;
- 2.可使用压块(3)来定位,也可自行在插杆上加工销孔定位;
- 3. 插杆尾部退火处理。
- 1.Screw (6)no real application function, before latch lock installed on the mould, prevent ball slide (9)drop out or forget during installing.
- 2.Use lock block can fixed position or self-processing dowel pin holes in insert bar.
- 3. The end of insert bar annealing treatment.

Pos	品名	材质	硬度
1 2	插杆	Cr12MoV	55-58HRC
3	压块	S45C	
4	主体	718H	≈900HV
5	垫块	S45C	-
9	波珠	SKD11	58-62HRC
10	波珠滑块	718H	28-38HRC
11	凸轮珠	SKD11	58-62HRC

ZZ4-17-31

🚗 安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态后配做 定位槽(安装带HV行程插杆时,将模具HV行程处于完全打开状态,消除插杆与波珠之间间隙后锁紧螺丝 并配做销钉孔):
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位槽:
- · 每套模具至少安装两套或两套以上锁模扣,并确保开模行程一致及对称安装,如开模行程不一致或未对 称安装将导致锁模组件断裂;
- ·进行一个配合功能测试,查看锁模扣各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Installation Guidelines:

- · Installed ball slide, request parallel with joint face to install.
- · Installed insert bar, cut off insert bar length according to real demand, and processing screw holes, make sure mould is closed mould before locking tight the screw to do dowel pin holes. (Install insert bar with HV stroke, mould HV stroke shall be in completely opening condition, at the same eliminate the space between insert bar and ball then to do with dowel pin holes.
- · Ball slide and insert bar symmetrical install on the mould, According to stroke to confirm body length. Ensure various parts install correctly and normal running, then to do with body and install fixed dowel
- · Every mould suggest to symmetrical installed 2sets or above 2sets ,please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · First remove latch lock device to follow-up operation if need maintenance and change.

主体截取示意图:

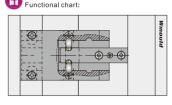
Body cut off drawing:

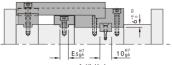


插杆截取示意图: Insert bar cut off drawing:

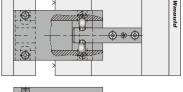


功能示意图:





合模状态



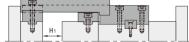
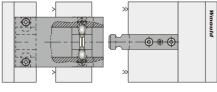
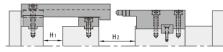


图2 第一次开模状态 First finish opening mole





此锁模组件具有控制开合模顺序功能

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

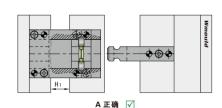
This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

图3 第二次开模状态

Second opening mould

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导 致合模过程中, 插杆无法插入波珠滑块组件中而损坏锁模机构。

As below drawing show, when insert bar release ball slide parts must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.

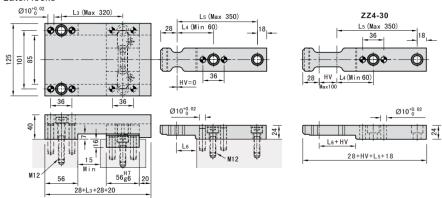


波珠滑块组件 B 错误 🔀

(III) YHB ECO CO.,LTD

锁模扣 🕮

Latch locks



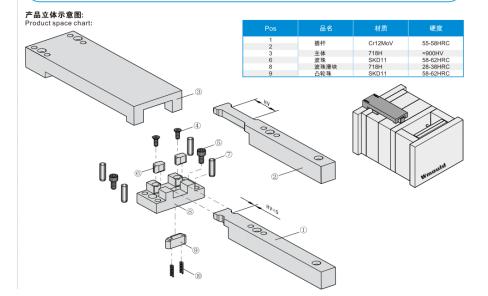
☎Order ZZ4-30-Hv-L3-L4-L5-L6

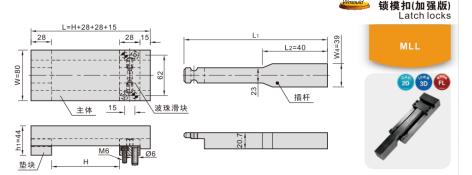
产品特点:

- 1.机械互锁设计,安全可靠;
- 2.此款为ZZ4系列加强型锁模扣,锁模力度更大,适用大型模具;
- 3.配有加长型 "HV" 插杆及加长垫块,使用范围更广。

Feature:

- Due to double-sided locking system, safe and reliable.
- 2. This code is ZZ4 series enhanced latch lock, bigger locking force, apply to big mould
- 3. With the extended HV stroke latch bar, extensively





☎Order MLL-H-L1

产品特点:

- 1.MLL为ZZ174加强版锁模扣,其设计原理及应用与ZZ174相同;
- 2. 其锁模力度同比ZZ174标准版更大,适用于大型家电、汽车模具等;
- 3. 行程"H"可依要求量身指定,突破ZZ174标准版行程限制。

安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态并已消除插杆与波珠之间的间隙,然 后配做销钉孔:
- · 将波珠滑块与插杆对称安装在模具上后,确定各组件已正确安装并且运行正常后再配做主体上定位 销习.
- · 每套模具至少安装两套或以上锁模扣,并确保开模行程一致及对称安装,如安装不一致或未对称安装将导致锁模组件断裂;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Feature

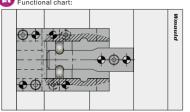
- 1.MLL is enhanced latch lock for the ZZ174, The principle of design and application same as ZZ174.
- Locking force is bigger than ZZ174 standard parts, apply to large household electrical, automobile mould ect.
- Stroke "H" can custom made according request, Break through stroke limit compare with ZZ174 standard.

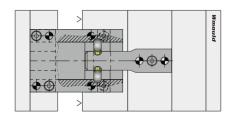
- · Installed ball slide, request parallel with joint face to install.
- Installed insert bar, processing screw holes, make sure mould is closed mould before locking screw, at the same eliminate the space between insert bar and ball, then to do dowel pin holes.
- Ball slide and insert bar symmetrical install on the mould. Ensure various parts install correctly and normal running, then to do with body and install fixed dowel pin holes.
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.

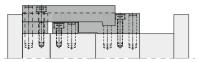












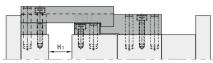
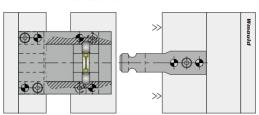


图1 合模状态





此锁模组件具有控制开合模顺序功能:

开模顺序: 图1 > 图2 > 图3 合模顺序: 图3 > 图2 > 图1

This latch lock with control opening and closed mould function: opening mould sequence: drawing 1>drawing 2>drawing 3 closed mould sequence: drawing 3>drawing 2>drawing 1

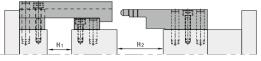


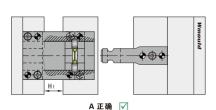
图3 第二次开模完成

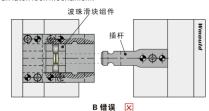
警告:

如下图所示,在插杆拔离波珠滑块组件(或完全开模状态)下,必须保证波珠滑块组件处于图A所示位置,否则将会导致合模过程中,插杆无法插入波珠滑块组件中而损坏锁模机构。

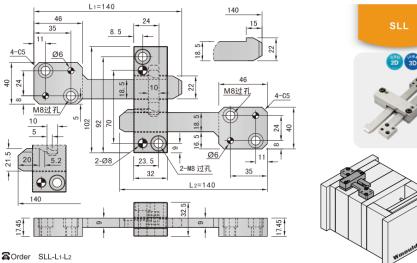
Warning:

As below drawing show, when insert bar release ball slide parts must be sure ball slide in this A drawing position, otherwise will cause insert bar cant insert into ball slide and break latch lock mechanism.









产品特点:

- 1.SLL为ZZ171加强版锁模扣, 其设计原理及应用与ZZ171相同;
- 2.其锁模力度同比ZZ171标准版更大,适用于大型家电、汽车模具等;
- 3.行程可依要求量身指定,突破ZZ171标准版行程限制。

🗪 安装使用说

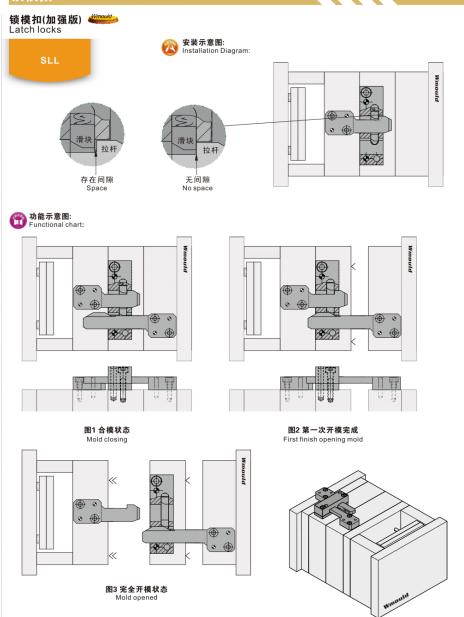
- ·首先安装主体,要求平行于分型面安装;
- ·安装拉杆。加工螺孔,在合模状态下锁紧螺丝(注意:拉杆固定前必须保证模具处于完全合模状态,并已消除拉杆与滑块之间间隙,再锁紧螺丝);
- ·安装插杆。垂直于分型面安装(注意保证几套锁模装置的行程一致);
- · 每套模具至少使用两套或两套以上锁模机构并且对称安装,如未在模具上对称安装将可能导致单套锁模扣受力,受力不平衡(不均)将会导致锁模扣断裂;
- ·此锁模装置只适用于对开模顺序有要求,合模顺序无要的场合,即无控制合模顺序功能;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·在安装完毕后,请在合模机或注塑机上慢速进行开合模顺序测试,以确保正确无误。(不建议用吊机测试,因为吊机易导致不平衡)

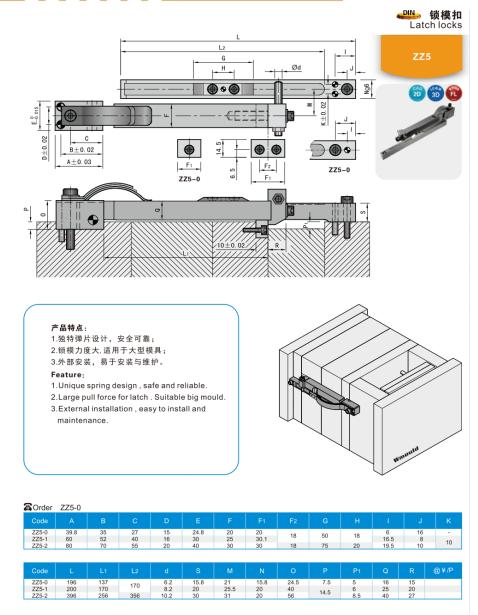
Feature:

- 1.SLL is enhanced latch lock for the ZZ171, The principle of design and application same as ZZ171.
- Locking force is bigger than ZZ171 standard parts, apply to large household electrical, automobile mould ect.
- 3. Stroke can custom made according request, Break through stroke limit compare with ZZ171 standard.

- · First install body, request parallel with joint face to install
- Installed insert bar, processing screw holes. Locking tight screw under mould is closed mould situation (notes: Make sure mould is closed mould situation before fixed bar. eliminate the space between bar and slide, then lock tight screw.
- · Perpendicular to joint face to install bar.
- Every mould suggest to symmetrical installed 2sets or above 2sets, please notes same stroke and symmetrical install during opening mould, if no symmetrical install or different stroke will cause lath lock break
- This latch lock only apply to opening mould sequence request.
- · First remove latch lock device to follow-up operation if need maintenance and change
- After finish installed, please slowly to proceed opening or closed sequence test in closing device or injection machine to confirm right. (not suggest use hoist, because hoist easy lead to imbalance)









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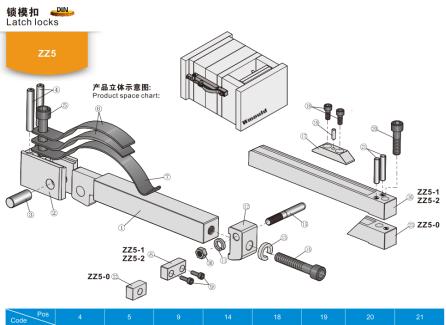
W模扣 Latch locks



> 安装使用说明

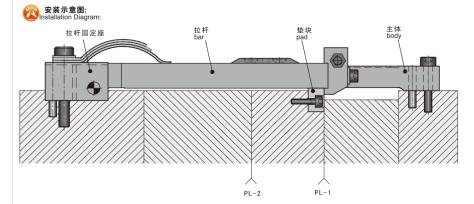
- ·安装垫块,用杯头螺丝将垫块平行于分型面安装在模板上;
- ·安装拉杆固定座,使用杯头螺丝将拉杆固定座垂直于分型面固定。注意消除倒钩与垫块之间的间隙, 可以通过截取拉杆长度来改变拉杆固定座安装位置;
- ·安装主体,将主体垂直于分型面固定在模板上;
- ·安装行程固定块, 待锁模组件均已对称安装在模具上, 确定正确安装并且运行正常后配做销孔;
- ·锁模扣为精密装置,请以实物定位并对称安装。并且保证开模行程一致,如行程不一致或未对称安装, 将会导致单套锁模扣受力,因受力不平衡将导致锁模组件断裂;
- ·根据模具大小来选择对应的型号,建议每套模具使用2套或4套锁模扣;
- ·注意ZZ5-0主体为一个定销孔,垫块为一个安装螺孔
- ·进行配合功能测试,查看锁模扣各部位运行是否顺畅,行程是否吻合;
- ·此机构为精密配件,请勿与其他自行加工零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需维修,请先拆除内锁模扣后再进行后续操作。

- · Installed pad , pad parallel with joint face to install one mould plate by cup head screws.
- Installed bar fixing base, Use cup head screw make bar fixing base vertical with joint face, note eliminate the space between barb and pad.can cut off bar length to change bar fixed base installed position.
- · Install body,by mean of body vertical joint face fixed on mould plate .
- · Install stroke fixed block, lockings parts symmetrical install on the mould,make sure right install and normal running, then make dowel pin holes.
- Latch lock is precision device, please rely on real object to fixed position and symmetry install, Make sure same opening mould stroke, if no symmetrical install or different stroke will cause single set latch lock stress, lead to latch lock break due to imbalance force.
- · Every mould suggest to installed 2sets or 4sets according to mould size to choose corresponding code.
- · Notes the body of ZZ5-0 is fixed dowel pin holes, pad is a install screw holes.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · First remove latch lock device to follow-up operation if need maintenance and change

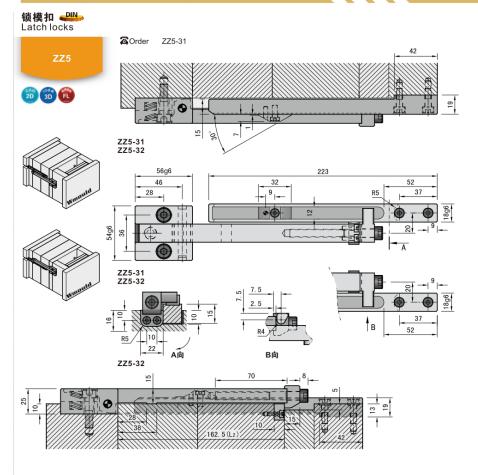


	Pos Code								
Г	ZZ5-0	Ø 6×32	M 8×40		M 8×25	M4×12		M8×30	Ø6×24
	ZZ5-1	Ø 8×40	M10×55	M4×12	M10×30	M5×12	M4×16	IVIO^3U	Ø6×32
	ZZ5-2	Ø10×60	M12×70		M16×50	M5×16		M8×40	Ø6×40

Pos								
品名	拉杆	拉杆固定座	销钉	垫块	倒钩	拨动销	主体	行程固定块
材质	P20	P20	SUJ2	S45C	SKD61	SKD61	P20	Cr12MoV
硬度	26-33HRC	26-33HRC	58-62HRC	40-45HRC	50-54HRC	45-50HRC	26-33HRC	50-58HRC





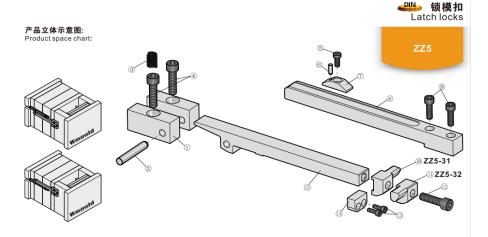


产品特点:

- 1.此锁模扣有ZZ5-31、ZZ5-32两个型号,为左右镜像件;
- 2.锁模力度大,适用于大型模具;
- 3.外部安装,易于安装与维护。

Features

- 1. This latch lock have two code ZZ5-31, ZZ5-32 for left and right mirror element.
- 2.Large pull force for latch .Suitable big mould.
- 3.External installation, easy to install and maintenance.



Pos							
品名	拉杆固定座	销钉	行程固定块	主体	倒钩	垫块	拉杆
材质	Cr12MoV	SUJ2	Cr12MoV	P20	SKD61	S45C	P20
स्ता छोट	50-58HRC	58-62HRC	58-62HRC	26-33HRC	50-54HRC	40-45HRC	26-33HBC

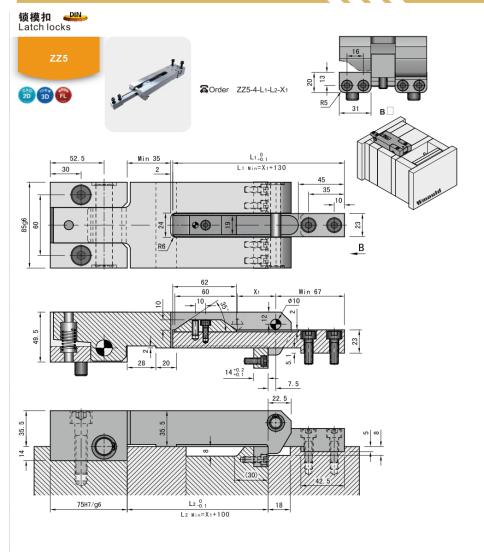
25/162

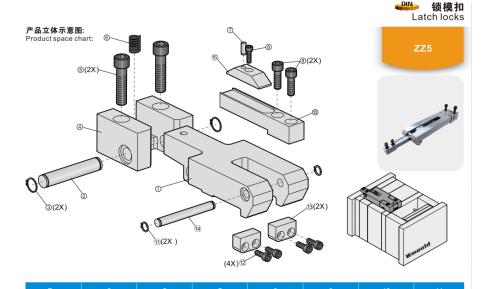
安装使用说明

- ·锁模扣为精密装置,一套模具上至少使用2套并且对称安装;
- ·多套锁模机构安装时必须保证行程一致,否则将可能导致单套锁模扣受力,受力不平衡将有导致锁模 扣断裂的可能。
- ·安装后进行一个配合功能测试,查看锁模扣机构各部位运行是否顺畅,行程是否吻合;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作;
- ·锁模扣ZZ5-31为ZZ5-32的镜像件,使用两套时可各选一套进行安装;
- ·建议将锁模扣安装在模具的左右两个侧面,由于产品自身重量问题,安装在模上下两侧面可能会影响 产品锁模力度。

- · Latch lock is precision device, Each mould at least symmetry installed 2sets.
- More sets latch lock mechanism install must be sure same stroke, otherwise will cause single set latch lock stress, lead to latch lock break due to imbalance force.
- Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- First remove latch lock device to follow-up operation if need maintenance and change.
- · Latch lock ZZ5-31 is mirror element with ZZ5-32, choose one set to installed when use these two sets.
- Suggest install latch lock on left and right two sides of mould, Due to weight problem of products, if install on top and low two sides will impact locking force.







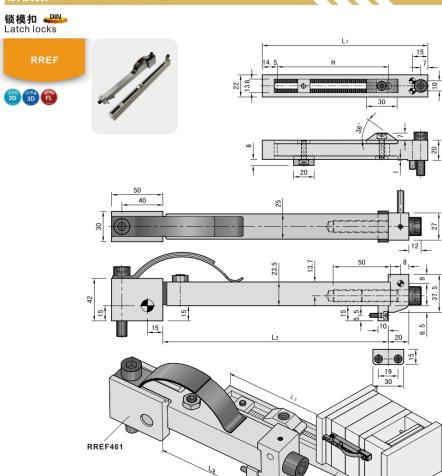
Pos	1	2	4	10	13	14	15
品名	拉杆	定位销1	固定座	主体	垫块	定位销2	行程固定块
材质	P20	SKD16	Cr12MoV	P20	S45C	SKD16	Cr12MoV
硬度	26-33HRC	50-54HRC	50-58HRC	26-33HRC	40-45HRC	50-54HRC	50-58HRC

安装使用说明

- ·订购前请先计算好所需开模行程距离,X1为理论开模点距离,指定长度应满足如下条件:L1 Min=X1+130、L2 Min=X1+100;
- ·锁模扣为精密装置,一套模具上至少使用2套并且对称安装,根据模具的大小指定对应的规格;
- ·建议将锁模扣安装在模具的左右两个侧面,由于产品自身重量问题,安装在模上下两侧面可能会影响产品锁模力度:
- ·多套锁模扣开模行程必须完全相同,否则会因受力不平衡而损坏;
- ·使用时,时常检查各安装螺丝是否紧固,如模具需维修时,请先拆除机构后再进行后续加工。

- Please calculate opening mould stroke before purchase, X1 is theoretical opening mould distance.
 specify length shall be meet below term:L1Min=X1+130, L2Min=X1+100
- · Latch lock is precision device, Each mould at least use 2sets to symmetry installed according to mould size specify corresponding code.
- Suggest install latch lock on left and right two sides of mould, Due to weight problem of products, if install on top and low two sides will impact locking force.
- More sets latch lock mechanism install must be sure same stroke, otherwise will cause latch lock break due to imbalance force.
- When use it, frequently to check up various installed screw whether fastening or not, if need maintenance and change.
- · Please first remove latch lock device to follow-up operation.



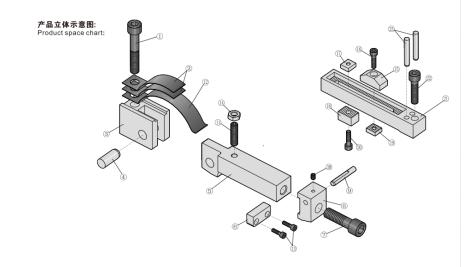


☎Order RREF4	60-140-9) 标准	订购 =	☎ Order RRE	F462-140) +		☎ Order RRE	F461-90 I	自由组合订购
Code			L2	Code			@¥/P	Code	L2	@¥/P
RREF460-140- 90	140	83.5	90	RREF462-140	140	83.5		RREF461- 90	90	
RREF460-204-170	204	152	170	RREF462-204	204	152		RREF461-170	170	
RREF460-254-220	254	194.5	220	RREF462-254	254	194.5		RREF461-220	220	

RREF462

◆ **過 锁模扣** Latch locks

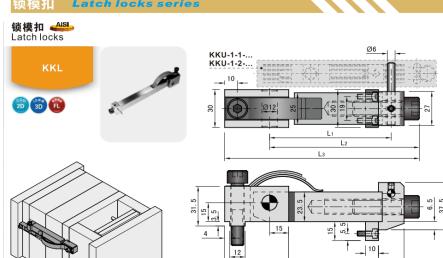
- 1.行程调节部份锯齿形设计,省去销孔的加工繁琐。同时,简化了行程调整;
- 2.独特弹片设计,安全可靠,安装方便;
- 3.建议将锁模扣安装在模具的左右两个侧面,由于产品自身重量问题,安装在模具上下两侧面可能会影响产品锁模力度:
- 4.多套锁模扣开模行程必须完全相同,否则会因受力不平衡而损坏,安装方向应垂直于分型面;
- 5.使用时,时常检查各安装螺丝是否紧固,如模具需维修时,请先拆除机构后再进行后续加工。
- 1.The part of stroke adjustable adopt dental saw design, save dowel pin holes process, at the same simplify stroke adjustable.
- 2. Unque shrapnel design, safety and reliable, and easy to install.
- 3. Suggest install latch lock on left and right two sides of mould, Due to weight problem of products, if install on top and low two sides will impact locking force.
- 4. More sets latch lock mechanism install must be sure same stroke , otherwise will cause latch lock break due to imbalance force.
- 5. When use it, frequently to check up various installed screw whether fastening or not, if need maintenance and change. Please first remove latch lock device to follow-up operation.



						·
Pos						
品名	拉杆固定座	拉杆	垫块	倒钩	销件	主体
おぼ	Cr12MoV	D20	Cr12MoV/	CKD61	SKD11	D20

Code											RI	REF46	0										
Code							RRE	F461										R	REF4				
Pos	01	02	03	04	05	06	07	80	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
数量(Pcs)	1	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2





KKL-1-1-70

4		200
Code	拉力 F(Kgf) Max	2
KKL-1-2- 90 KKL-1-2-170		12 12 12
KKL-1-2-220	1600	<u> </u>
KKL-1-2-270		
KKL-1-1- 70		
		50 L 20
		KKI -1-2-

50

20

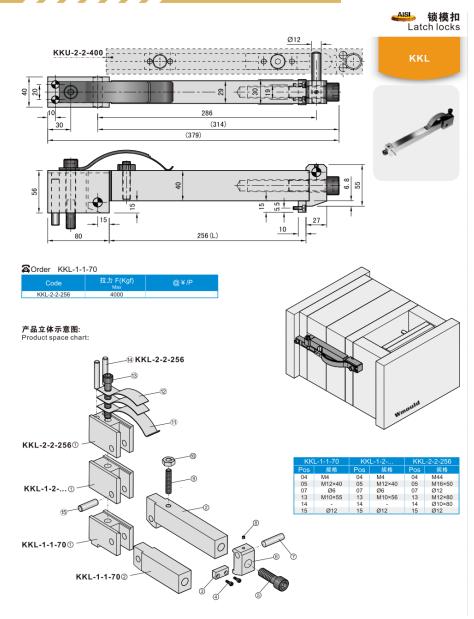
Order	1/1/1 4 4 70	
	KKI -1-1-70	

Cidel KKE-1-1	-70					
Code			L2		To be ordered seperately	@¥/P
KKL-1-2- 90	90	117	137	172		
KKL-1-2-170	170	197	217	252		
KKL-1-2-220	220	247	267	302	KU	
KKL-1-2-270	270	297	317	352		
1/1/1 4 4 70	70	0.7	447	450		

KKL锁模扣仅为全套组件的其中一半,需与另一半KKU配合使用。(KKU需单独订购)

KKL Latch lock only one half of whole set parts , have to match to use with another half part KKU(KKU need alone purchase)



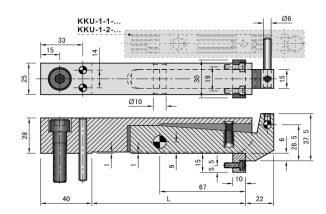












☎Order KKL-1-3-120

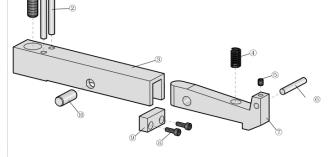
Code			To be ordered seperately	@¥/P
KKL-1-3-120	120	182		
KKL-1-3-170	170	232	KU	
I/I/I 4 0 000	200	202		

产品立体示意图: Product space chart:

Notes:
KKL Latch loc half part KKU

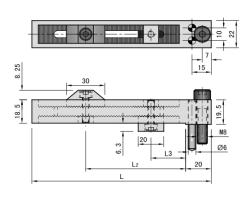
提示: KKL锁模扣仅为全套组件的其中一半,需与另一半KKU配合使用。(KKU需单独订购)

Notes: KKL Latch lock only one half of whole set parts , have to match to use with another half part KKU. (KKU need alone purchase)



Pos					
規格	M10×40	Ø6×50	Ø6	M4×20	Ø10×25

AISI AN LEE LEE

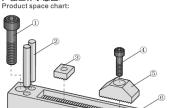


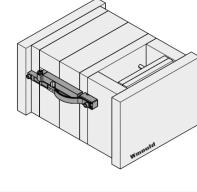


Order KKU-1-1-...

产品立体示意图:

- 1.行程调节部份锯齿形设计,省去销孔加工的繁琐。同时,简单化行程的调整;
- 2.KKU锁模扣仅为全套组件的其中一半,需与另一半KKL配合使用(KKL需单独订购)。
- 1. The part of stroke adjustable adopt dental saw design, save dowel pin holes process, at the same simplify stroke adjustable.
- $2. KKU\ Latch\ lock\ only\ one\ half\ of\ whole\ set\ parts\ ,\ have\ to\ match\ to\ use\ with\ another\ half\ part\ KKL\ (KKL\ need\ alone\ purchase\)$





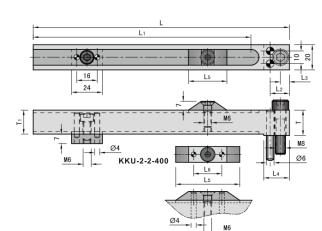
Pos				
規格	M8×35	Ø6×40	M5×20	M5×20



ALSI 锁模扣 Latch locks



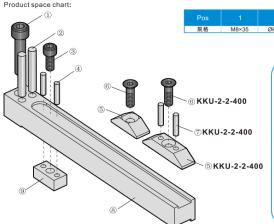




Order	KKL-1-2-200

Code			L2		L4	L5				@¥/P
KKU-1-2-200	200	170								
KKU-1-2-250	250	220	15	7	20	30	-	20	19	
KKU-1-2-300	300	270								
KKU-2-2-400	400	360	19.5	10	25	50	22	30	29	

产品立体示意图:



- 1.KKU锁模扣仅为全套组件的其中一半, 需与另一半KKL配合使用(KKL需单
- 2.KKU-2-2-400的行程块相比KKU-1-2 多出两个定位销孔。
- 1.KKU Latch lock only one half of whole set parts, have to match to use with another half part KKL. (KKL need alone purchase)
- 2.KKU-2-2-400 stroke compare with KKU-1-2 have 2pcs dowel pin holes

产品特点:

7///////

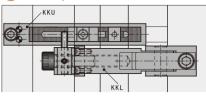
- 1.独特弹片设计,安全可靠,安装方便;
- 2.需精准对称安装,行程要计算精确,否则产 品会损坏;
- 3.能传输巨大拉力,多种规格,适用于不同模 具(多板模具)荷重开合模要求。

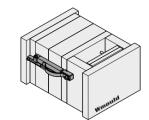
Features:

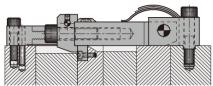
- 1. Unique spring design, safe and reliable, easy to install.
- 2. Precision symmetry installation, stroke have to calculate right, otherwise products will be breakdown.

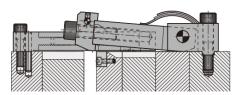
3. Transfer big force, various code, apply to different mould (Multi plate mould)opening and closed mould request.





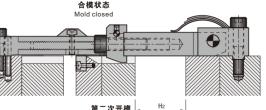






第一次开模

First finish opening mold



第二次开模 Second opening mould

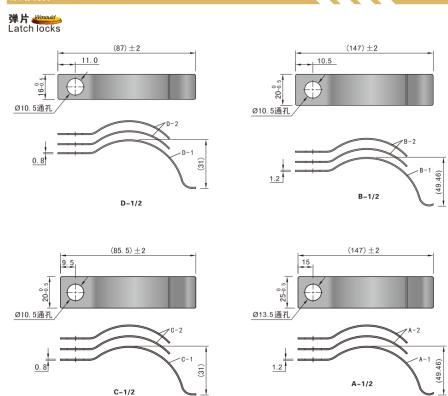
- ・一套模具至少使用2套或2套以上并且对称安装,否则会导致单套锁模扣受力因而受力不平衡而断裂;
- ·安装在模具中所有的锁模扣必须计算相同的行程,整套机构的安装与开模运动方向成平行直角;
- 使用时,时常检查各安装螺丝是否紧固,如模具需维修时,请先拆除机构后再进行后续操作。

Installation Guidelines:

· Each mould at least use 2sets to symmetry installed according to mould size specify corresponding code . ·All latch lock installed in the mould must be calculate same stroke, whole mechanism installation at right angles with opening mould direction.

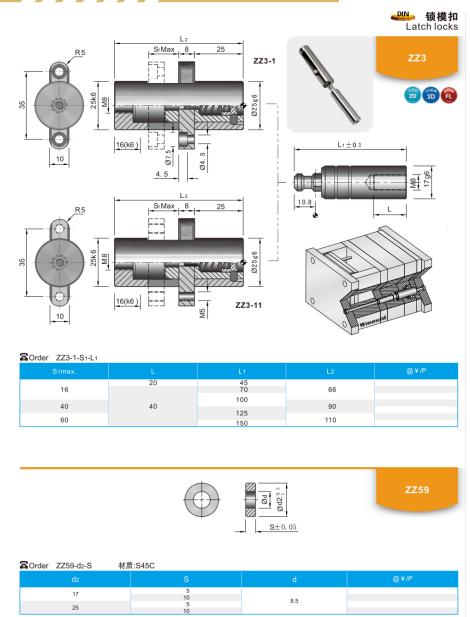
·When use it , frequently to check up various installed screw whether fastening or not, if need maintenance and change . Please first remove latch lock device to follow-up operation.



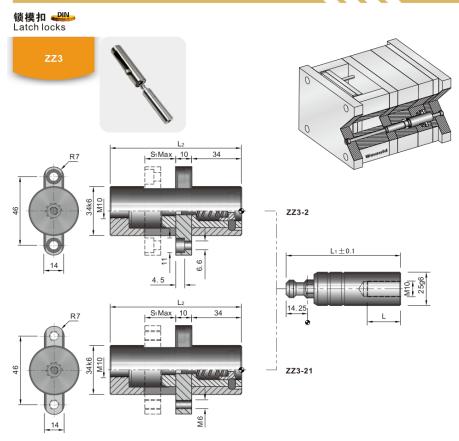


Order	™ 材质: 65Mn	H硬度:50-55HRC	⑤表面处理:表面发黑处理

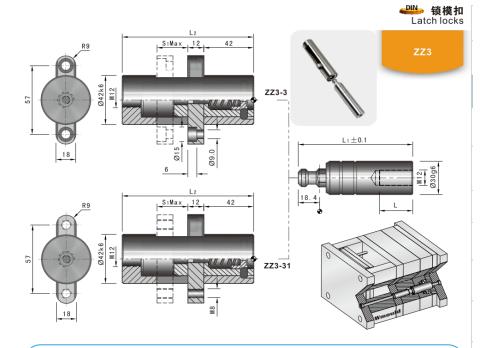
Code	组成	零件	年 田副旦	
Code	1Pcs	2Pcs	− 适用型号	
A-1/2	A-1	A-2	KKL-2-2-256 ZZ5-2	
B-1/2	B-1	B-2	KKL-1-2-170 、KKL-1-2-220 、KKL-1-2-270 RREF450-300-270 、RREF460-254-220 、RREF460-204-170 RREF470-220 、ZZ5-1	
C-1/2	C-1	C-2	KKL-1-2-90、RREF460-14090	
D-1/2	D-1	D-2	ZZ5-0	







Order ZZ3-2-S1-L1				
				@¥/P
25		70 120 170	86	
50		120 170	111	
75	40	120 170	136	
100		220 270	161	
125		220 270	186	
150		220 270	211	



产品特点:

- 1.内部装置,避免运水装置连接和外部安装零件的冲突;
- 2.根据安装方法不同. 功能也不相同. 具有内锁模扣、二次顶出的功能, 适用广泛;
- 3.重要零件采用SKD61 材质, 便用时具有良好的润滑, 更耐磨、使用寿命更长。

Features ·

- 1.Internal installation avoids interferences with water line connectors and externally mounted components.
- 2. Can be used as early return unit ,inter latch locks, Two -stage ejectors.
- 3. Some important parts are made of SKD61, Provide good lubricating while working. longer life.

☎Order ZZ3-3-S1-L1

CIGGI ZZO O OI LI				
S1max.				@¥/P
50		125 175 225	130	
75		175 225	155	
100	50	175 225	180	
125		275 325	205	
150		275 325	230	
175		275 325	255	

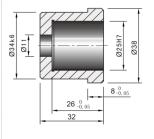


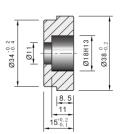
产品立体示意图: Product space chart:

● 锁模扣 Latch locks







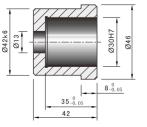


	Ø111 ØD ^{-0.5}
S ^{+0.5}	

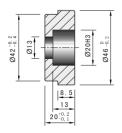
Order	ZZ3-2	M 材质:S45C
Р		@¥/P
C	9	

Pos	@¥/P
10	

Pos			@¥/P
11	5 10	25	
12	5 10	34	







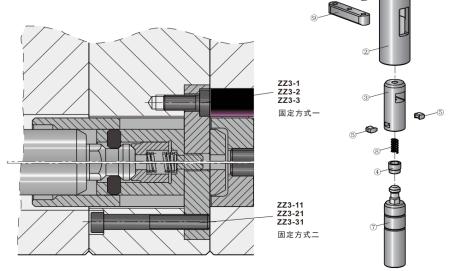
Pos	@¥/P
10	

	Ø13 ØD-1.5
	,
S+0.5	

Pos	S	D	@¥/P
11	5 10	30	
12	5 10	42	



Code	Pos	品名	品名	硬度	数量(Pcs)
	1	无头螺丝	-	-	
	2	主体	SKD61	48-52HRC	4
ZZ3-11	3	活塞		52± 2HRC	'
ZZ3-21	4	安全村套	Cr12MoV	55-58HRC	
	5	通止块	SKD11	58-62HRC	2
ZZ3-31	7	插杆	SUJ2	55-62HRC	
	8	弹簧	-	-	1
	9	行程块	SKD61	52± 2HRC	



ZZ3系列有两种固定方式:

第一种:安装模板上攻牙,安装螺丝穿过行程块上螺丝过孔将内锁模扣固定。(适用ZZ3-1/2/3系列) 第二种:安装模板上加工螺丝过孔,用螺穿过模板过孔连接到行程块上螺牙固定。(适用ZZ3-11/21/31系列)

ZZ3 series have two fixing method:

First :Install mould plate to tapping, pass through stroke block screw holes to install screw and fixed latch lock. (apply to ZZ3-1/2/3 series)

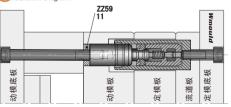
Second :Install mould plate to processing screw holes, use screw pass through mould plate to contact stroke block to screw thread fixed. (apply to ZZ3-11/21/31series)

Latch locks series

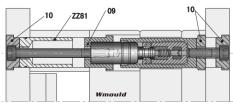




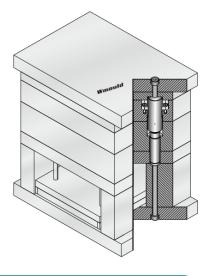




安装方法1



安装方法2



- ·安装行程块,用杯头螺丝将行程块垂直于分型面固定在定模板上。安装前需精确计算好第一次开模行程;
- ·安装主体,使用杯头螺丝将主体垂直于分型面固定在流道板上,并且要求与活塞同心;
- · 安装插杆, 待行程块与主体对称安装在模具上, 确定正确安装并且运行正常后再安装插杆;
- ·内锁模扣为精密装置,请以实物定位并对称安装。如未对称安装,会导致单套锁模扣受力,因受力不平 衡将导致组件断裂;
- ·建议每套模具使用2套或4套内锁模扣;
- ·进行配合功能测试,查看锁模机构各部位运行是否顺畅,行程是否吻合;
- ·此机构为精密配件,请勿与其他自行加工零件配合使用,由此带来的异常将由贵司自行负责;
- ·如模具需维修,请先拆除内锁模扣后再进行后续操作。

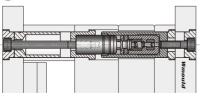
Installation Guidelines

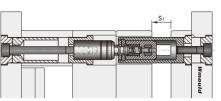
- · Installed stroke block, Use cup head screw make stroke block vertical with joint face fixed mould plate. Need accurate calculate first opening mould stroke.
- · Installed body, Use cup head screw make body vertical with joint face fixed runner plate, request same concentric plunger.
- · Install bar, stroke block and body symmetrical install on the mould, make sure right install and normal running, then fixed bar.
- · Latch lock is precision device, please rely on real object to fixed position and symmetry install, if no symmetrical install or different stroke will cause single set latch lock stress, lead to latch lock break due to imbalance force.
- · Every mould suggest to installed 2sets or 4sets.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide or not.
- · Precision parts, please don't use it with other auto-processing parts, thus make some abnormal your company self responsible.
- · First remove latch lock device to follow-up operation if need maintenance and change.





7///////





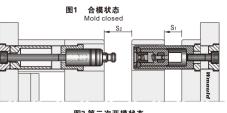
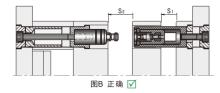


图2 第一次开模状态

图3 第二次开模状态 Second opening mould

如下图所示: 当插杆完全拔离活塞(第二次开模开始打开或完全打开)状态下, 必须保证第一次开模 行程处于完全打开状态,否则将会导致合模过程中,因插杆无法插入而损坏内锁模扣。

As below drawing show, when insert bar release plunger (second time opening mould start to open or completely open. must be sure first opening mould stroke in opening condition, otherwise will cause insert bar can't insert into and break latch lock mechanism during closed mould.

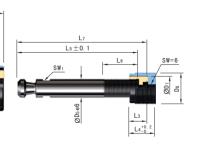






内锁模扣 🕮 Latch locks





产品特点:

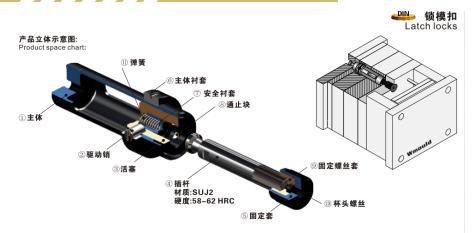
- 1.产品在模具内部安装,避免与模具外部零件及水路冲突;
- 2.具有内锁模扣、二次顶出、复位机构的功能;
- 3.重要零件采用SKD11材质,使用时良好的润滑性,更耐磨、寿命更长。

Features:

- 1.Internal installation avoids interferences with water line connectors and externally mounted components
- 2. Can be used as early return unit, inter latch locks, Two-stage ejectors.
- 3.Some important parts are made of SKD61, Provide good lubricating while working. longer life.

Order	ZZ173-32×2	8×14×63	™ 材质:Sŀ	<d61 th="" 硬<="" 🞛=""><th>度:52±2HR</th><th>C</th><th></th><th></th><th></th><th></th></d61>	度:52±2HR	C				
	H max.									
32	28		63 80 100 125	MAO	24.0	44.9	32.2	18.5	M24×1	14
32	56	14	63 80 100 125	M10	34.8	44.8	32.2	16.5	WI24^ I	14
38	36	18	80 100 125 140	M12	40.8	51.8	38.2	23.5	M30v1 5	16
	71		80 100 125					23.5	M30×1.5	

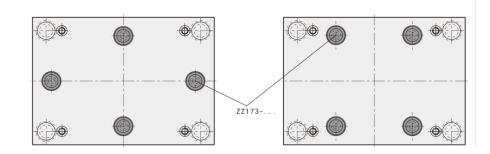
Code	L1	L2	L3	L4	L5	L6	Sw1	@¥/P
ZZ173-32×28×14× 63					56	20		
ZZ173-32×28×14× 80	78	60			73			
ZZ173-32×28×14×100	70	60			93			
ZZ173-32×28×14×125			14	20	118		12	
ZZ173-32×56×14× 63		88	14	20	56	25	12	
ZZ173-32×56×14× 80	106				73			
ZZ173-32×56×14×100	106				93			
ZZ173-32×56×14×125					118			
ZZ173-38×36×18× 80					73	20		
ZZ173-38×36×18×100	90	70			93			
ZZ173-38×36×18×125	90	70			118			
ZZ173-38×36×18×140			16	22	133		15	
ZZ173-38×71×18× 80			16	22	73	30	15	
ZZ173-38×71×18×100	125	105			93			
ZZ173-38×71×18×125	125	105			118			
ZZ173-38×71×18×140					133			



安装使用说明

- ·复位机构为精密零件,精准对称安装(同一模胚至少使用2套)根据模胚及所需拉力大小决定数量及规格;
- ·如未对称安装,可能导致单套复位机构受力,因受力不平衡将导致组件断裂;
- · 在使用时, 工作原理图中的无头螺丝必须确定拧紧;
- ·如模具需维修,请先拆除复位机构后再进行后续加工;
- ·进行配合功能测试,查看复位机构各部位运行是否顺畅,行程是否吻合;
- ·工作温度:请在120°C以下的温度下使用本产品。

- · It is precision standard element. A minimum of two Round latch locking units must be mounted symmetrically. quantit and size are subjected to the mold base and the pulling forces.
- · If not be mounted symmetrically, the uneven force will caused the parts damaged.
- · Make sure grub screw is screw down tightly when using.
- · If the molds need to be maintained or changed, please remove the Round latch locking units first.
- · After installation, carry out a functional test, check whether the individual parts work well, and the stroke is applicable.
- · Working temperature :please use this product below 120°C.



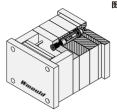


内锁模扣 PIN Latch locks

ZZ173



无头螺丝 -



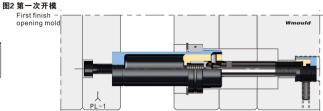
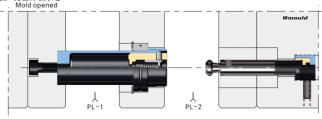


图3 完全开模状态

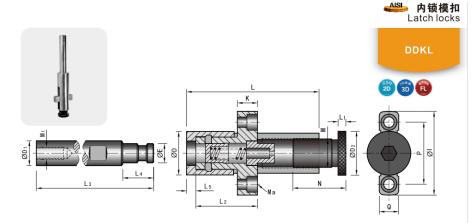


产品工作原理:

- · 合模状态:模具处于完全闭合状态;
- ·第一次开模状态:当模具开始打开时,由于通止块将插杆与主体衬套紧紧锁住,第一次分型面打开;
- ·第二次开模状态:第一次开模行程完成时,通止块释放插杆同时将主体与主体衬套锁住,插杆便可拔离 衬套,第二次分型面完成打开。

operational principle:

- · Closed mould :mould completely closed condition.
- First opening mould :when mould start opening, stop block will make bar and body bush tightly locked, first joint face will start.
- Second opening mould :First opening mould finished . stop block release bar , at the same lock the body and body liner bushing, bar will pull off liner bush , Second joint face will be completely open.



产品特点:

- 1.产品在模具内部安装,避免与模具外部零件及水路冲突;
- 2. 根据安装方法不同, 功能也不相同, 具有内锁模扣、二次顶出的功能, 适用广泛。

Features:

- 1.Internal installation avoids interferences with water line connectors and externally mounted components.
- 2. Can be used as early return unit, inter latch locks, Two-stage ejectors.

☎Order DDKL-2811

—																
Code						L2	L3	L4	L5							
DDKL-2811				86			140									
DDKL-2812	28	16	28	00	5	40	250	21	6							
DDKL-2821	28	10	20		5	40	140	21	0							
DDKL-2822											111			250		
DDKL-3411				1111			160									
DDKL-3412	34	19	33		6	51	280	24	7							
DDKL-3421	34	34	21 34	-3421	19 33	146	0	31	160	24	'					
DDKL-3422				140			280									
DDKL-4511				152			200									
DDKL-4512	45	26	42		10	68	310	31	10							
DDKL-4521	45	20	42	198	10	00	200	31	10							
DDKI 4500				196			240									

1.0	К	N	E	Р	Q	М	M1	Ma	@¥/P
54	13	34	12.4	40	12.6	M22×1.25	M 8×1.25	Me	
60	15	46	14.5	46	12.6	M26×1.5	M10×1.5	M6	
78	20	59	19.5	60	17	M34×1.5	M12×1.75	M8	



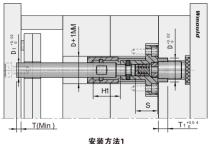
内锁模扣 🔐 Latch locks

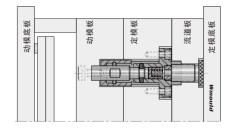


产品立体示意图:









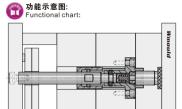
安装方法2

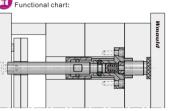


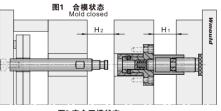
- ·安装内衬套,用杯头螺丝将内衬套垂直于分型面固定在定模板上。安装前需精确计算好第一次开模行程;
- ·安装外衬套,通过螺丝帽将外衬套垂直于分型面固定在流道板上,并且要求与内衬套同心;
- ·安装中心插杆, 待外村套与内村套对称安装在模具上, 确定正确安装并且运行正常后再安装中心插杆;
- ·进行配合功能测试,查看复位机构各部位是否顺畅,行程是否吻合;
- ·内锁模扣为精密装置,请以实物定位并对称安装;
- ·建议每套模具使用4套内锁模扣;
- ·三种直径尺寸可选, 28、34、45 M M, 根据模胚的尺寸选择, 三种型号都有两个行程范围及中心杆 长度可供选择:
- ·如模具需维修,请先拆除内锁模扣后再进行后续操作。

- · Installed inner liner bushing, Use cup head screw make liner bushing vertical with joint face fixed on mould plate. Need accurate calculate first opening mould stroke.
- · Installed outside liner bushing. Use cup head screw make outside liner bushing vertical with joint face fixed runner plate, request same concentric with inner liner bushing.
- · Install middle bar, outside liner bushing and inner liner bushing symmetrical install on the mould, make sure right install and normal running ,then fixed middle bar.
- · Coordinate function test, check these parts of latch lock structure whether smoothly and stroke coincide
- · Latch lock is precision device, please rely on real object to fixed position and symmetry install.
- Every mould suggest to installed 4sets.
- Three diameter sizes to choose from -28mm, 34mm, and 45mm-depending on the size of the mold and the application. Two travel ranges and two center puller pin lengths to choose from each of the three sizes.
- · First remove latch lock device to follow-up operation if need maintenance and change









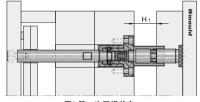


图2 第一次开模状态 First finish opening mold

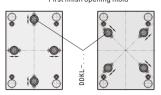


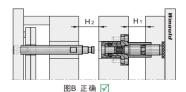
图3 完全开模状态

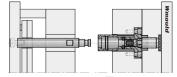
Code	行程	<u>(</u> H1)	т	T1	s	拉力 (负载)	
Code						(负载)	
DDKL-2811 DDKL-2812	5	30		10	23 32 43	100kg	
DDKL-2821 DDKL-2822	30	55				Tookg	
DDKL-3411 DDKL-3412	6	41	4			200kg	
DDKL-3421 DDKL-3422	41	76	4				
DDKL-4511 DDKL-4512	12	58		16		380kg	
DDKL-4521 DDKL-4522	58	104		16		Jooky	

如下图所示: 当插杆完全拔离活塞(第二次开模开始打开或完全打开)状态下, 必须保证第一次开模 行程处于完全打开状态,否则将会导致合模过程中,因插杆无法插入而损坏内锁模扣。

Warning:

s below drawing show, when insert bar release plunger (second time opening mould start to open or completely open. must be sure first opening mould stroke in opening condition, otherwise will cause insert bar can't insert into and break latch lock mechanism during closed mould.

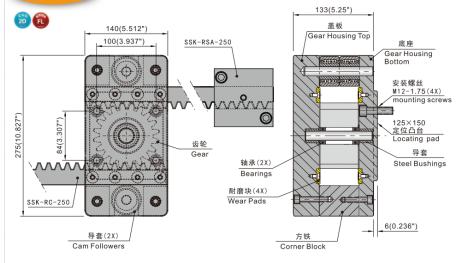




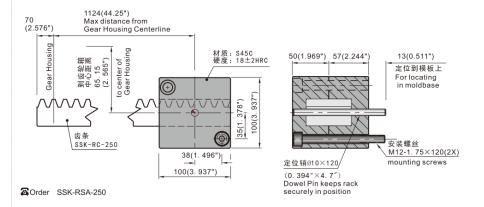
图C 错误 🔀



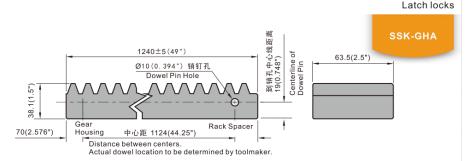




☎Order SSK-GHA-250







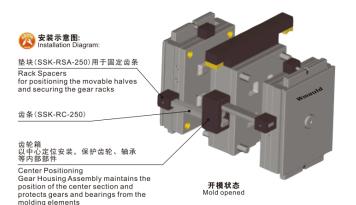
SOrder SSK-RC-250



安装使用说明

- ·安装齿轮箱,使用杯头螺丝将齿轮箱部分平行安装在模板上;;
- ·安装齿条, 齿条通过垫块固定, 安装前计算好开模行程, 在合模状态下安装, 确定消除齿轮齿条之间的 间隙后再锁紧垫块上螺丝;
- · 每套模具至少安装两套, 并且对称安装。

- $\boldsymbol{\cdot}$ Install gear case ,use cup hear screw to make gear case parallel install on mould plate
- Install rack, by mean of pad to fix rack, count opening mould stroke before installation, under closed
 mould condition, make sure eliminate this space between gears and gear racks, Then locking pad to
 fixed screw.



产品专利 PATENT CERTIFICATE



专利号: ZL 2012 2 0020094.5

型号:PPLSW P178



产品特点:

- 机械互锁设计,安全可靠;
- 插杆、拉杆尾部采用高频退火处理,方便二次加工安装孔。



专利号: ZL 201 2 20020103.0

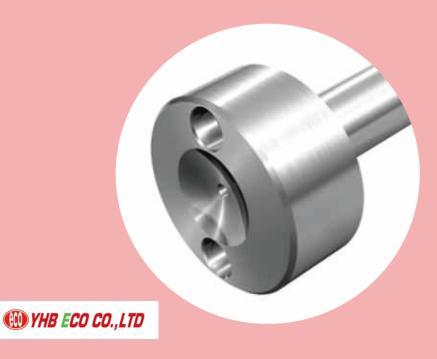
型号: ZZ170 P164



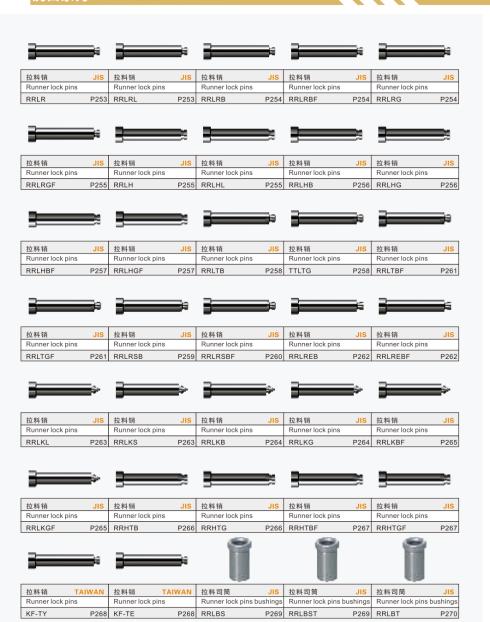
产品特点:

- 机械互锁设计,安全可靠;
- 插杆、拉杆尾部采用高频退火处理,方便二次加工安装孔;
- 此锁膜组件不但具有控制开模顺序功能。同时能控制合模顺序。

浇口系列 Pouring Gate Series





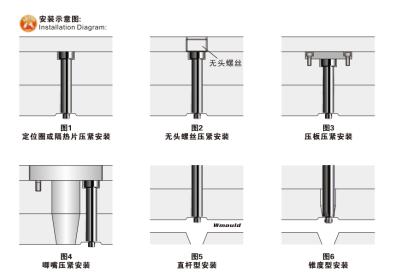


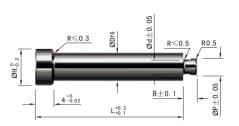




产品概述 oducts Summary

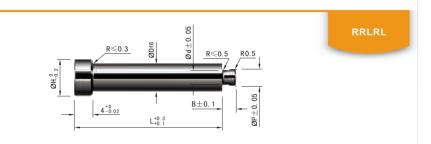
		Products Summary		
图示	类型	产品说明	Code	页码
	标准型	常用类型	RRLR	P253
	前端利边型	适用于热塑性、弹性体等软性树脂材料	RRLREB	P254
*****	前端锥度型	适用短流道场合	RRLKL	P263
-	带导入部	适用于含玻璃纤维的树脂,可防止拉料部位崩裂	RRLRSB	P259
	锁料型	锁料力度高于标准型	RRHTB	P266
]	标准型(带锥度)	常用类型	RRLTB	P258
	锁料型(带锥度)	锁料力度高于标准型(带锥度)	RRLH	P255





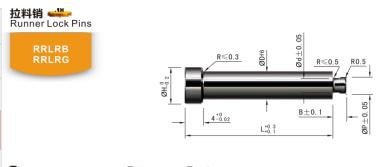


☎Order RRLR(L尺寸固定型)-D-L MI材质:SKH51 HI硬度:58-60HRC																
Code		P			@¥/P											
Code					L15	L20	L25	L30	L35	L40	L45	L50	L60	L70	L80	
	2	4	2	1.5	1							-	-	-	-	-
	3	5		2.3	1.8									-	-	-
DDI D	4	6	2.5	2.8	2.3	-										
RRLR	5	7	2	3.3	2.8											
	6	8	3	3.8	3	-	-	-								
	0	40		F 0	E											



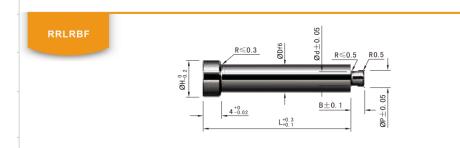
Order RRLRL (L尺寸指定型)-D-L	M材质:SKH51 日頃	₹度: 58-60HRC		
Code					
	2	4		1.5	1
	2.5	E	2	2	1.5
	3	5		2.3	1.8
RRLRL	4	6	2.5	2.8	2.3
	5	7	2	3.3	2.8
	6	8	3	3.8	3
	8	10	4	5.8	5





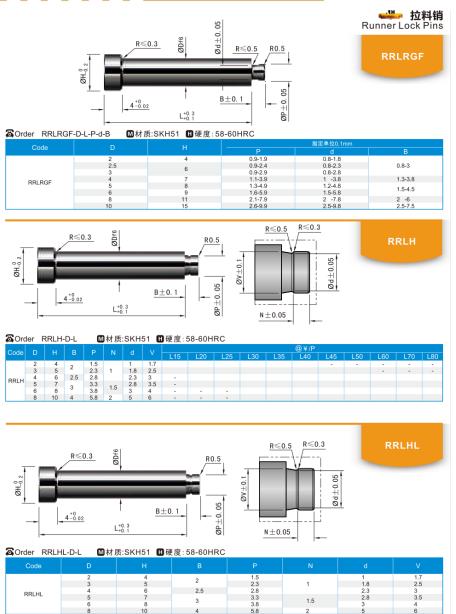
Order RRLRB-	D-L-P-d M 材	↑质:SKH51 🞛 硬度	: 58-60HRC				
Code			В	指定单位0.1mm			
Code					d		
	2	4		0.9-1.9	0.8-1.8		
	2.5	-	2	0.9-2.4	0.8-2.3		
	3	5		0.9-2.9	0.8-2.8		
RRLRB	4	6	2.5	1.1-3.9	1 -3.8		
KKLKB	5	7	9	1.3-4.9	1.2-4.8		
	6	8	3	1.6-5.9	1.5-5.8		
	8	10	4	2.1-7.9	2 -7.8		
	10	13	5	2.6-9.9	2.5-9.8		

Order RRLRG-	·D-L-P-d M 材	↑质:SKH51 🖪 硬度	: 58-60HRC				
Code			В	指定单位0.1mm			
Code							
	2	4		0.9-1.9	0.8-1.8		
	2.5	e	2	0.8-2.3			
	3	0		0.9-2.9	0.8-2.8		
RRLRG	4	7	2.5	1.1-3.9	1 -3.8		
KKLKG	5	8	2	1.3-4.9	1.2-4.8		
	6	9	3	1.6-5.9	1.5-5.8		
	8	11	4	2.1-7.9	2 -7.8		
	10	15	5	2.6-9.9	2.5-9.8		



TOTAL PRIBERIES AND MHESCHES MARKES COURCE

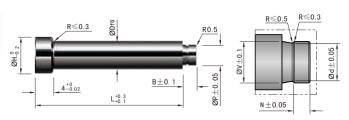
Order RKLKBF	-D-L-P-a-B 國 和原	図 材 质:SKH31 ■ 便度: 56-60HKC								
Code			指定单位0.1mm							
Code			Р	d	В					
	2	4	0.9-1.9	0.8-1.8						
	2.5	-	0.9-2.4	0.8-2.3	0.8-3					
	3	5	0.9-2.9	0.8-2.8						
RRLRBF	4	6	1.1-3.9	1 -3.8	1.3-3.8					
KKLKDF	5	7	1.3-4.9	1.2-4.8	1.5-4.5					
	6	8	1.6-5.9	1.5-5.8	1.5-4.5					
	8	10	2.1-7.9	2 -7.8	2 -6					
	10	13	2.6-9.9	2.5-9.8	2.5-7.5					







RRLHB RRLHG



Code		н		N	指定单位0.1mm				
Code						d			
	2	4	0	1	1.3-1.9	0.8-1.4			
	3	5	2		1.3-2.9	0.8-2.4			
	4	6	2.5		1.5-3.9	1 -3.4			
RRLHB	5	7	2	1.5	1.7-4.9	1.2-4.4	d≤V <d< td=""></d<>		
	6	8	3	1.5	2 -5.9	1.5-5.4			
	8	10	4	2	2.5-7.9	2 -7.4			
	10	13	5	2.5	3 -9.9	2.5-9.4			

P-d≥0.5

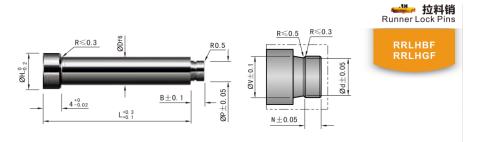
D		@¥/P 指定单位0.1mm											
	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8	-												
10													

~ ~	DDILLO DI DILV	THE OWNER	■ 確 度 · 58 60 HRC

Older	ININELIO-D-E-I -d-V	1 77 190.0101	101 世成及.0	0-001110						
Code					指定单位0.1mm					
Code					Р	d	V			
	2	4	2		1.3-1.9	0.8-1.4				
	3	6	2	1	1.3-2.9	0.8-2.4				
	4	7	2.5		1.5-3.9	1 -3.4				
RRLHG	5	8	2	1.5	1.7-4.9	1.2-4.4	d≤V <d< td=""></d<>			
	6	9	3	1.0	2 -5.9	1.5-5.4				
	8	11	4	2	2.5-7.9	2 -7.4				
	10	15	5	2.5	3 -9 9	2 5-9 4				

P-d≥0.5

D						@¥,	P 指定单位(0.1mm					
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8	-												
10													



Code					指定单位0.1mm			B-Emin
Code		"	Р	d	V	N	В]
	2	4	1.3-1.9	0.8-1.4			450	
	3	5	1.3-2.9	0.8-2.4		0.5-1.5	1.5-3	1
	4	6	1.5-3.9	1 -3.4			1.8-3.8	
RRLHBF	5	7	1.7-4.9	1.2-4.4	d≤V <d< td=""><td>0.8-2.3</td><td>2.3-4.5</td><td>1.5</td></d<>	0.8-2.3	2.3-4.5	1.5
	6	8	2 -5.9	1.5-5.4		0.0-2.3	2.3-4.5	
	8	10	2.5-7.9	2 -7.4		1 -3	3 -6	2
	10	13	3 -9.9	2.5-9.4		1.3-3.8	3.8-7.5	2.5

D						@¥)	P 指定单位(0.1mm					
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8	-												
10													

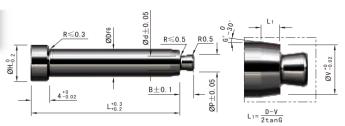
Code					指定单位0.1mm			B-Emin.
Code			Р	d	V	N	В	B-EIIIII.
	2	4	1.3-1.9	0.8-1.4			1.5-3	4
	3	6	1.3-2.9	0.8-2.4		0.5-1.5	1.5-3	'
	4	7	1.5-3.9	1 -3.4			1.8-3.8	
RRLHGF	5	8	1.7-4.9	1.2-4.4	d≤V <d< td=""><td>0.8-2.3</td><td>2.3-4.5</td><td>1.5</td></d<>	0.8-2.3	2.3-4.5	1.5
	6	9	2 -5.9	1.5-5.4		0.8-2.3	2.3-4.5	
	8	11	2.5-7.9	2 -7.4		1 -3	3 -6	2
	10	15	3 -9.9	2.5-9.4		1.3-3.8	3.8-7.5	2.5

D						@¥	P 指定单位().1mm					
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8	-												
10													





RRLTB RRLTG

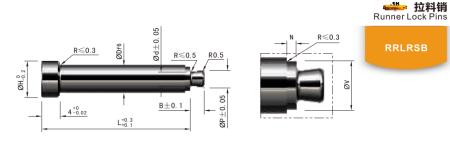


☎ Order RF	RLTB-D-L-P-d	M 材质:S	KH51 田 硬度	₹: 58-60HRC			
Code				G°		指定单位	20.1mm
Code			Ь			P	d
	3	5	2		2.5	0.9-2.1	0.8-2
	4	6	2.5		3	1.1-2.4	1 -2.3
RRLTB	5	7	2	_	3.5	1.3-2.8	1.2-2.7
RRLID	6	8	3	5	4	1.6-3.3	1.5-3.2
	8	10	4		6	2.1-5.2	2 -5.1

_						@ ¥	/P 指定单位(0.1mm					
	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
3													
4													
5													
6													
8	-												
10													

☎ Order Rf	RLTG-D-L-P-d	™ 材质:S	KH51 田 硬度	₹:58-60HRC			
Code				G°		指定单位	0.1mm
Code						P	
	3	-	2		2.5	0.9-2.1	0.8-2
	4	7	2.5		3	1.1-2.4	1 -2.3
RRLTG	5	8	2	6	3.5	1.3-2.8	1.2-2.7
RRLIG	6	9	3	5	4	1.6-3.3	1.5-3.2
	8	11	4		6	2.1-5.2	2 -5.1
	10	15	5		8	2.6-7	2.5-6.9

D .						@ ¥ .	/P 指定单位(
U	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
3													
4													
5													
6													
8	-												
10													



产品特点:

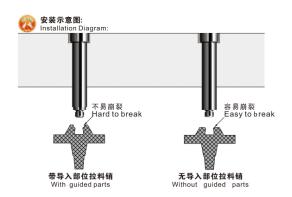
1.相比无导入部拉料销,可以有效的防止含有玻璃纤维等硬性材料前端边缘的崩裂现象。

Feature

1.Lock section is designed to have a straight step in order to prevent runner from chipping. which occurs in molding of hard resin, resin with glass fiber and etc.

☎ Order RRI	LRSB-D-L-P-d	M材质:SK	H51 日硬度:	58-60HRC			
Code		н	В	N	V	指定单位	ˈ⊈0.1mm
Code			P	IN		P	d
	2	4	2	0.5	1.8	0.9-1.8	0.8-1.7
	3	5	2	0.5	2.8	0.9-2.8	0.8-2.7
RRLRSB	4	6	2.5	0.8	3.8	1.1-3.8	1 -3.7
	5	7	2	4	4.6	1.3-4.6	1.2-4.5
	6	8	3	'	5.6	1.6-5.6	1.5-5.5

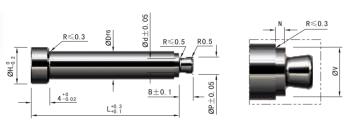
D						@¥/	P 指定单位().1mm					
	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6	evolvojo.												







RRLRSBF



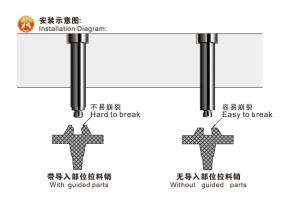
产品特点:

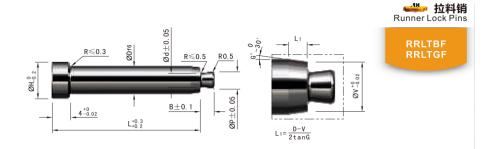
1.相比无导入部拉料销,可以有效的防止含有玻璃纤维等硬性材料前端边缘的崩裂现象。

1. Look section is designed to have a straight step in order to prevent runner from chipping, which occurs in molding of hard resin, resin with glass fiber and etc.

☎ Order RRI	RSBF-D-L-P-d-	B-N M材质:S	KH51 H 硬度:	58-60HRC		
Code					指定单位	⊉0.1mm
Code				Р	d	В
	2	4	1.8	0.9-1.8	0.8-1.7	1.5-3
	3	5	2.8	0.9-2.8	0.8-2.7	1.5-3
RRLRSBF	4	6	3.8	1.1-3.8	1 -3.7	1.5-3.8
	5	7	4.6	1.3-4.6	1.2-4.5	1.5-4.5
	6	8	5.6	1.6-5.6	1.5-5.5	1.5-4.5

						@¥/	P 指定单位().1mm					
	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
e	-												





Order RRL	TBF-D-L-P-d-E	B-V-G M 材)	质:SKH51 旧 硬.	度: 58-60HRC			
		н		指定单位	20.1mm		指定单位1°
Code		п	Р	d	В	V	G°
	3	5	0.9-2.1	0.8-2	0.8-3	2.5-2.9	
	4	6	1.1-2.4	1 -2.3	1.3-3.8	3 -3.9	
RRLTBF	5	7	1.3-2.8	1.2-2.7	1.5-4.5	3.5-4.9	5.40
	6	8	1.6-3.3	1.5-3.2	1.5-4.5	4 -5.9	5-10
	8	10	2.1-5.2	2 -5.1	2 -6	6 -7.9	
	10	13	2.6-7	2.5-6.9	2.5-7.5	7 -9.9	

D		@ ¥ /P 指定单位0.1mm											
U	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
3													
4													
5													
6													
8	-												
10													

	TGF-D-L-P-d-E	B-V-G M 材.	质:SKH51 用 硬	度: 58-60HRC			
Code				指定单位	ঘ0.1mm		指定单位1°
Code			Р	d	В	V	G°
	3	-	0.9-2.1	0.8-2	0.8-3	2.5-2.9	
	4	7	1.1-2.4	1 -2.3	1.3-3.8	3 -3.9	
RRLTGF	5	8	1.3-2.8	1.2-2.7	1.5-4.5	3.5-4.9	5-10
	6	9	1.6-3.3	1.5-3.2	1.5-4.5	4 -5.9	5-10
	8	11	2.1-5.2	2 -5.1	2 -6	6 -7.9	
	10	15	2.6-7	2.5-6.9	2.5-7.5	7 -9.9	

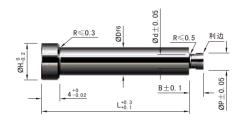
		@ ¥/P 指定单位0.1mm											
	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
3													
4													
5													
6													
8	-												
10													

0.5-1



拉料销 👑 Runner Lock Pins

> RRLREB RRLREBF





- ·前端利边型拉料销主要适用于热塑性弹性体材料(TPE),液体硅胶(LSR)等软性材料;
- ·前端利角的结构特点:使软性树脂的拉料部位包紧力更大,不容易出现拉脱现象。

Installation Guidelines:

- Useful for soft resin, such as thermoplastic elastome (TPE), liquid silicone rubber (LSR) and etc. requiring strong runner lock.
- · Suitable for the soft resin runner maintenance, for the tip of lock is a sharp corner.

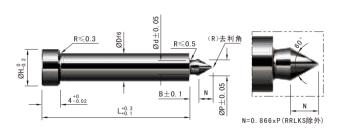
Code				指定单位	20.1mm
Code				Р	
	2	4	2	0.9-1.9	0.8-1.8
	3	5	2	0.9-2.9	0.8-2.8
RRLREB	4	6	2.5	1.1-3.9	1 -3.8
	5	7	2	1.3-4.9	1.2-4.8
	6	8	3	1.6-5.9	1.5-5.8
	8	10	4	2.1-7.9	2 -7.8

_		@ ¥ /P 指定单位0.1mm											
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8													

	M材质:SKH51	H硬度: 58-60HRC
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Code			指定单位0.1mm					
Code			В					
	2	4	0.8-3	0.9-1.9	0.8-1.8			
	3	5	0.6-3	0.9-2.9	0.8-2.8			
RRLREBF	4	6	1.3-3.8	1.1-3.9	1 -3.8			
	5	7	1.5-4.5	1.3-4.9	1.2-4.8			
	6	8	1.5-4.5	1.6-5.9	1.5-5.8			
	8	10	2 -6	2.1-7.9	2 -7.8			

D						@¥1	P 指定单位(0.1mm					
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
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6	_												
8													



RRLKL RRLKS

产品特点:

1.可缩短流道的冷却时间,防止脱模不良。

Features

1. The runner cooling efficiency is improved and pull-out failure is prevented.

🬇 安装使用说明:

适用于流道较为粗糙或者较难冷却的场合。

Installation Guidelines:

Effective when runner is thick or when cooling is difficult.

Order	DDIVI DI	M ## EFCKAE1	H 硬度: 58-60HRC	
Oraer	RRLKL-D-L	M 材 质: SKH51	世 使 度 : 58-60HRC	

Code					
	2	4	2	1.5	1
	3	5	2	2.3	1.8
RRLKL	4	6	2.5	2.8	2.3
RRERE	5	7	2	3.8	2.8
	6	8	3	3.0	3
	8	10	4	5.8	5

D		@ ¥/P 指定单位0.1mm													
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100		
2															
3															
4															
5															
6	-														
8															

_		
Crdor PRIKS_D_I_N	M 材 质・SKH51	■ 確 度 · 58_60HRC

CIGO KINEKO	-D-L-14 (1)	灰.OKIIOI W 候	支. 50-0011110			
Code						指定单位0.1mm N
	2	4	2	1.5	1	1.3-3
	3	5	-	2.3	1.8	2 -5.5
RRLKS	4	6	2.5	2.8	2.3	2.5-7.5
INILINO	5	7	3	3.8	2.8	3.3-9
	6	8	3		3	
	8	10	4	5.8	5	5.1-8

		@¥/P 指定单位0.1mm												
	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100	
2														
3														
4														
5														
6	_													
8														





RRLKB RRLKG



产品特点:

1.可缩短流道的冷却时间, 防止脱模不良。

Features:

 The runner cooling efficiency is improved and pull-out failure is prevented.

安装使用说明:

适用于流道较为粗糙或者较难冷却的场合。

Installation Guidelines:

 Effective when runner is thick or when cooling is difficult.

☎Order RRLKB-D)-L-P-d ■材质	页:SKH51 Ⅱ 硬度:5	8-60HRC		
Code				指定单位	Ż0.1mm
Code				P	
	2	4	2	0.9-1.9	0.8-1.8
	3	5	2	0.9-2.9	0.8-2.8
RRLKB	4	6	2.5	1.1-3.9	1 -3.8
KKLKB	5	7	9	1.3-4.9	1.2-4.8
	6	8	3	1.6-5.9	1.5-5.8
	8	10	4	2.1-7.9	2 -7.8

_						@¥,	/P 指定单位	0.1mm					
U	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
5													
6													
8	-												
10													

	L-P-d ■材质:S	KH51 H硬度:58-6	0HRC		
Code			ь	指定单位	⊈0.1mm
Code			В	Р	d
	2	4	2	0.9-1.9	0.8-1.8
	3	6	2	0.9-2.9	0.8-2.8
RRLKG	4	7	2.5	1.1-3.9	1 -3.8
KKLKG	5	8	2	1.3-4.9	1.2-4.8
	6	9	3	1.6-5.9	1.5-5.8
	8	11	4	2.1-7.9	2 -7.8
	10	15	5	2.6-9.9	2.5-9.8

D						@ ¥ i	/P 指定单位().1mm					
	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100
2													
3													
4													
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6													
8	-												
10													

拉料销 Runner Lock Pins



产品特点:

1.可缩短流道的冷却时间,防止脱模不良。

Features

1. The runner cooling efficiency is improved and pull-out failure is prevented.

🖚 安装使用说明:

适用于流道较为粗糙或者较难冷却的场合。

Installation Guidelines:

• Effective when runner is thick or when cooling is difficult.

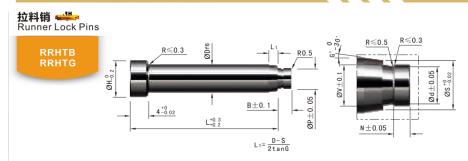
☎ Order RRLKBF-	D-L-P-d M材质	质:SKH51 Ⅱ 硬度:5	8-60HRC		
0-4-				指定单位0.1mm	
Code			В	Р	d
	2	4	1 -3	0.9-1.9	0.8-1.8
	3	5	1 -3	0.9-2.9	0.8-2.8
RRLKBF	4	6	1.3-3.8	1.1-3.9	1 -3.8
RRLRBF	5	7	45.45	1.3-4.9	1.2-4.8
	6	8	1.5-4.5	1.6-5.9	1.5-5.8
	8	10	2 -6	2.1-7.9	2 -7.8
	10	13	2.5-7.5	2.6-9.9	2.5-9.8

D		@¥/P 指定单位0.1mm													
ן ט	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100		
2															
3															
4															
5															
6															
8	-														
10															

)-L-P-d M 材质:S	SKH51 日 硬度: 58-6	60HRC		
Code				指定单位0.1mm	
Code			В	Р	d
	2	4	1 -3	0.9-1.9	0.8-1.8
	3	6	1 -3	0.9-2.9	0.8-2.8
RRLKGF	4	7	1.3-3.8	1.1-3.9	1 -3.8
KKLKGF	5	8	1.5-4.5	1.3-4.9	1.2-4.8
	6	9	1.5-4.5	1.6-5.9	1.5-5.8
	8	11	2 -6	2.1-7.9	2 -7.8
	10	15	2.5-7.5	2.6-9.9	2.5-9.8

	L14	L19	L25	L30	L35	L40	L45	L50	L60	L70	L80	L90	L100	
2														
3														
4														
5														
6														
8	-													
10														



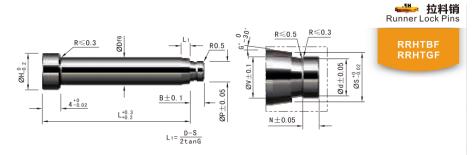


1	Order R	RHTB-D-L-P-	·d-V M 材	质:SKH51	🖁 硬度: 58-6	0HRC				
	Codo				N	e	G°		指定单位0.1mm	
	Code				IN IN			Р	d	V
	Code RRHTB	4	6	2.5	1	3		1.5-2.4	1 -1.9	
		5	7	2	1.5	3.5		1.7-2.8	1.2-2.3	
		6	8	3	1.0	4	5	2 -3.3	1.5-2.8	d≤V <s< td=""></s<>
		8	10	4	2	6		2.5-5.2	2 -4.7	
		10	13	5	2.5	8		3 -7	2 5-6 5	

l	@ ¥/P 指定单位0.1mm												
D	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
4													
5													
6	-												
8													
10													

1	🛛 Order Ri	RHTG-D-L-P-	-d-V M 材	质:SKH51	₩ 硬度: 58-6	0HRC						
	Code				N.		G°	指定单位0.1mm				
	Code				I N			Р	d			
		4	7	2.5	1	3	5	1.5-2.4	1 -1.9			
		5	8	2	1.5	3.5		1.7-2.8	1.2-2.3			
	RRHTG	6	9	3	1.0	4		2 -3.3	1.5-2.8	d≤V <s< td=""></s<>		
		8	11	4	2	6		2.5-5.2	2 -4.7			
		10	15	5	2.5	8		3 -7	2.5-6.5			

D						@¥/	P 指定单位(
	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100
4													
5													
6													
8	-												
10													



	RHTBF-D-L-F	P-d-V-B-N-S-C	■ 材	质:SKH51 🕻	₫ 硬度: 58-6	0HRC								
Code			指定单位0.1mm											
Code			В	N	S	G°	Р	d	V					
	4	6	1.8-3.8	0.5-1.5	3 - 3.9		1.5-3.9	1 -3.4						
	5 7	2.3-4.5	0.8-2.3	3.5-4.9		1.7-4.9	1.2-4.4							
RRHTBF	6	8	2.3-4.3	0.0-2.3	4 - 5.9	5-10	2 -5.9	1.5-5.4	d≲V <s< td=""></s<>					
	8	10	3 -6	1 -3	6 - 7.9		2.5-7.9	2 -7.4						
	10	13	3.8-7.5	1.3-3.8	8 - 9.9		3 -9.9	2.5-9.4						

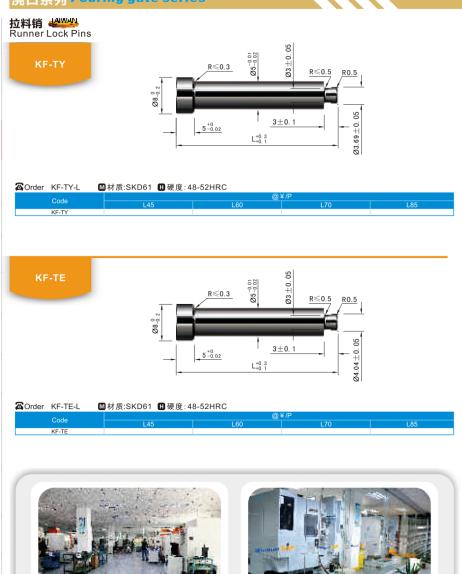
D		@¥/P 指定单位0.1mm												
D	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100	
4														
5														
6														
8	-													
10														

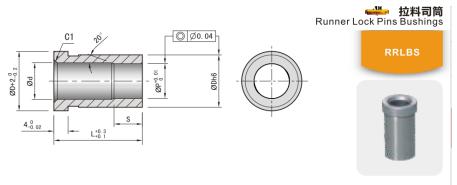
☎ Order RF	RHTGF-D-L-F	P-d-V-B-N-S-0	9 ■材	M 材质:SKH51 H 硬度: 58-60HRC										
Code				指定单位0.1mm										
Code			В	N	S	G°	Р	d	V					
	4	7	1.8-3.8	0.5-1.5	3 3.9		1.5-3.9	1 - 3.4						
	5 8	2.3-4.5	0.8-2.3	3.5-4.9		1.7-4.9	1.2-4.4							
RRHTGF	6	9	2.3-4.0	0.0-2.3	4 -5.9	5-10	2 - 5.9	1.5-5.4	d≤V <s< td=""></s<>					
	8	11	3 -6	1 -3	6 -7.9		2.5-7.9	2 - 7.4						
	10	15	3.8-7.5	1.3-3.8	8 -9.9		3 - 9.9	2.5-9.4						

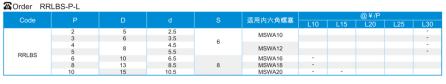
D		@¥/P 指定单位0.1mm												
D	L20	L25	L30	L35	L40	L45	L50	L55	L60	L70	L80	L90	L100	
4														
5														
6														
8	-													
10														

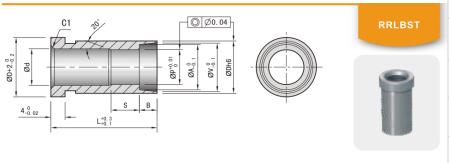
浇□系列 Pouring gate series











Code					В	指定单位	⊈0.5mm	适用内六角螺塞	
Code						Α	V	迫用內八用縣型	
	2	5	2.5						
	2.5	6		2			MSWA10		
	3	0	3.5			P <a≤v< td=""><td rowspan="6">A≤V≤D-1</td><td></td></a≤v<>	A≤V≤D-1		
RRLBST	4	8	4.5		2.5	I I		MSWA12	
KKLDST	5	_	5.5		3	A≤D-1.5			
	6	10	6.5	8	3	A ≪ D-1.5		MSWA16	
	8	13	8.5		4			MSWA18	
	10	15	10.5		5			MSWA20	

	@¥/P								
	L10	L15	L20	L25	L30				
2	-				-				
2.5					-				
3					-				
4					-				
5	-				-				
6									
8	-								
10									

浇口系列 Pouring gate series



4 4.5 5

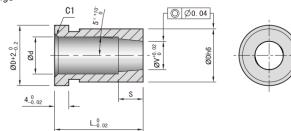
0 11 12 13 16



拉料司筒 👑 Runner Lock Pins Bushings



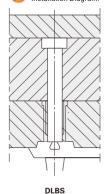


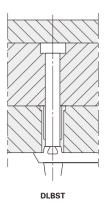


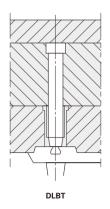
Order RRLBT-NO.-L

	Code						适用内六角螺塞		@ i	@ ¥ /P		
	Code	INO.					迫用內八用縣盡	L10	L15	L20	L25	
		4	4 5	4.5	4	3	MSWA12					
		5		5.5	5	3.5						
	RRLBT	6	10	6.5		4	MSWA16	-				
	10.02	8	13	8.5	7	6	MSWA18	-				
		10	15	10.5		8	MSWA20	-	-			

安装示意图: Installation Diagram:







·DLBST拉料司筒的前端自带锥度沉头孔,无需在模板上再次加工锥度沉头孔,安装时要求拉料头部不能高出拉

Installation Guidelines:

· Since undercut part of the runner lock pin is processed not to project into runner, no tapering is necessary to the plate.

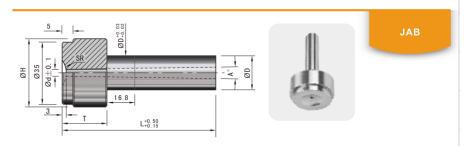


	@¥/P										
L40	L50	L60	L70	L80	L90	L100	L110	L120	L130	L140	L150

36

50

0 -0.013



	D-L-T-SR-d-A	材质:S45C				
	ØD			SR	Ød	
16	-0.011	40	20 25 30	0 11 12 13	2 2.5 3 3.5	1° 2° 3°
20	0 -0.013	40	20 25 30	16 19 21	4 4.5 5	1 2 3

					@	¥/P					
L40	L50	L60	L70	L80	L90	L100	L110	L120	L130	L140	L150

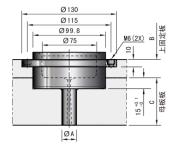
16 20



大水口唧嘴 40000 Large gate sprue bushing

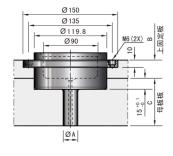
JAD100 JAD120





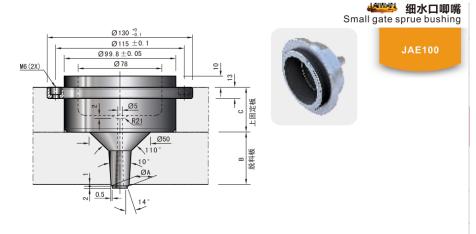
JAD100

可根据模具实际规格及特殊要求量身定做 Special size is available according to customer's requirements



Order	JAD100-A-B-0	C M 材质:S45C			
	ØA			JAD100 @ ¥ /P	JAD120 @¥/P
			50 75		
		30	100		
			125 150		
	Ø20	35	50		
			75		
			100 125		
			150		
			50		
		30	75 100		
		30	125		
	Ø25		150		
			50 75		
		35	100		
			125		

JAD120



	材质:S45C		
ØA			@¥/P
	20	30 35 40	
Ø12	25	30 35 40	
	30	35 45 50	
Ø16	25	35 45 50	
	30	35 45	

ØA	В	С	@¥/P
	30	50	
		35	
	35	45	
		50	
Ø16	30	45	
		50	
		60	
		45	
	35	50	
Ø20		60	
Ø20		45	
	40	50	
		60	



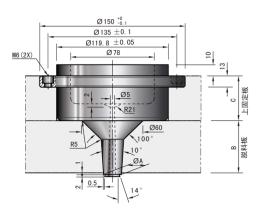
浇口系列 Pouring gate series



细水口唧嘴 40000 Small gate sprue bushing

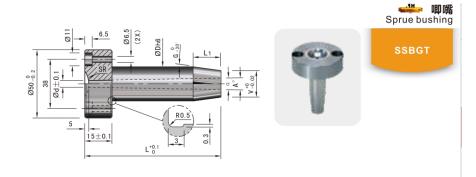
JAE120





Corder JAE120-A-B-C M Corder	】材质:S45C		
ØA			@¥/P
	40	60 80 100	
Ø16	50	60 80 100	
	60	60 80 100	
Ø20	40	60 80 100	
	50	60	

ØA	В	С	@¥/P
	50	100	
Ø20	60	60 80 100	
	40	60 80 100	
-	50	60 80 100	
	60	60 80 100	



Order SSBGT-D-L-SR-d-A-V-G		М材质:	M材质:SKD61 Ⅱ 硬度:48-52HRC					
	ØDh6		SR	Ød	A° 指定单位0.5°	V 指定单位0.1mm	G° 指定单位1°	
16	16	0 / -0.011	0 10.5 11 12 13	2 2.5 3 3.5 4 4.5				
20	20	0 / -0.013	16 20 21 23	5 5.5 6 6.5 7 8	1° 2° 3° 4°	D>V≥α+2	1-10	
25	25	07-0.013	16 20 21 23	5 5.5 6 6.5 7 6				

						@¥/P						
L30	L40	L50	L60	L70	L80	L90	L100	L110	L120	L130	L140	L150

备注:

- 1.α尺寸由L尺寸决定;
- 2. L尺寸受d、V、A尺寸限制,或G受L尺寸限制;
- 3. L尺寸极限表:

Ød	2		2	2.5	3	3.5-4.5
A	1	1.5-4	1	1.5-4	1- 1.5	1 -1.5
L尺寸极限	50	85	50	85	85	150

4. 防拉丝型不可指定。

加工极限:

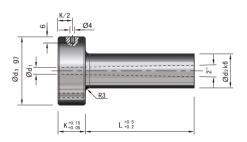
- ・直杆型: D-α≥2 (α的计算公式) α=d+2{L+(U)+10}tan ^A/₂
- ·0.25为考虑了G的公差的数值。



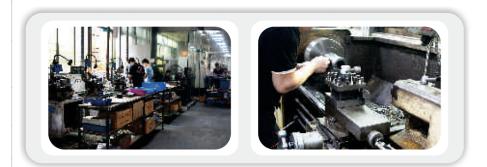


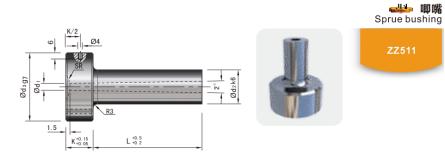
ZZ511





Order ZZ511-d	l2-L-d1 ■材质	:SKD61 田 硬度:	48-52HRC			
Code						@¥/P
ZZ511-12× 22-2.5 ZZ511-12× 27-2.5 ZZ511-12× 36-2.5 ZZ511-12× 46-2.5		22 27 36 46	2.5			
ZZ511-12× 22-3.5 ZZ511-12× 27-3.5 ZZ511-12× 36-3.5 ZZ511-12× 46-3.5 ZZ511-12× 56-3.5	12	22 27 36 46 56	3.5	28	13	
ZZ511-18× 27-3 ZZ511-18× 36-3 ZZ511-18× 46-3 ZZ511-18× 56-3 ZZ511-18× 66-3 ZZ511-18× 66-3 ZZ511-18× 96-3 ZZ511-18× 96-3 ZZ511-18× 96-3	18	27 36 46 56 66 76 86 96	3	38	18	
ZZ511-18× 27-4 ZZ511-18× 36-4 ZZ511-18× 46-4 ZZ511-18× 56-4 ZZ511-18× 66-4 ZZ511-18× 86-4 ZZ511-18× 96-4 ZZ511-18× 96-4	18	27 36 46 56 66 76 86 86	4	50	10	





Code	SR	Code	SR						@¥/F
ZZ511-12× 22-2.5-15.5		ZZ511-12× 22-2.5-40			22				
ZZ511-12× 27-2.5-15.5		ZZ511-12× 27-2.5-40			27	2.5			
ZZ511-12× 36-2.5-15.5		ZZ511-12× 36-2.5-40			36	2.5			
ZZ511-12× 46-2.5-15.5		ZZ511-12× 46-2.5-40			46				
ZZ511-12× 22-3.5-15.5		ZZ511-12× 22-3.5-40		12	22		28	13	
ZZ511-12× 27-3.5-15.5		ZZ511-12× 27-3.5-40			27				
ZZ511-12× 36-3.5-15.5		ZZ511-12× 36-3.5-40			36	3.5			
ZZ511-12× 46-3.5-15.5		ZZ511-12× 46-3.5-40			46				
ZZ511-12× 56-3.5-15.5		ZZ511-12× 56-3.5-40			56				
ZZ511-18× 27-3 -15.5		ZZ511-18× 27-3 -40			27				
ZZ511-18× 36-3 -15.5		ZZ511-18× 36-3 -40			36				
ZZ511-18× 46-3 -15.5		ZZ511-18× 46-3 -40			46				
ZZ511-18× 56-3 -15.5		ZZ511-18× 56-3 -40			56				
ZZ511-18× 66-3 -15.5	15.5	ZZ511-18× 66-3 -40	40		66	3			
ZZ511-18× 76-3 -15.5		ZZ511-18× 76-3 -40			76				
ZZ511-18× 86-3 -15.5		ZZ511-18× 86-3 -40			86				
ZZ511-18× 96-3 -15.5		ZZ511-18× 96-3 -40			96				
ZZ511-18×116-3 -15.5		ZZ511-18×116-3 -40		18	116		38	18	
ZZ511-18× 27-4 -15.5		ZZ511-18× 27-4 -40		18	27		38	18	
ZZ511-18× 36-4 -15.5		ZZ511-18× 36-4 -40			36				
ZZ511-18× 46-4 -15.5		ZZ511-18× 46-4 -40			46				
ZZ511-18× 56-4 -15.5		ZZ511-18× 56-4 -40			56				
ZZ511-18× 66-4 -15.5		ZZ511-18× 66-4 -40			66	4			
ZZ511-18× 76-4 -15.5		ZZ511-18× 76-4 -40			76				
ZZ511-18× 86-4 -15.5		ZZ511-18× 86-4 -40			86				
ZZ511-18× 96-4 -15.5		ZZ511-18× 96-4 -40			96				
ZZ511-18×116-4 -15.5		ZZ511-18×116-4 -40			116				

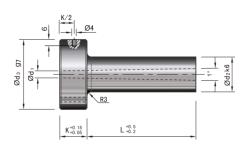




唧嘴 👑 Sprue bushing

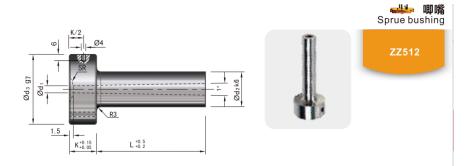
77512





	d2-L-d1 M 材质	::SKD61 H 硬度:	48-52HRC			
Code						@¥/P
ZZ512-12× 27-2.5 ZZ512-12× 36-2.5 ZZ512-12× 46-2.5 ZZ512-12× 56-2.5		27 36 46 56	2.5			
ZZ512-12× 36-3.5 ZZ512-12× 46-3.5 ZZ512-12× 56-3.5 ZZ512-12× 66-3.5 ZZ512-12× 76-3.5	12	36 46 56 66 76	3.5	28	13	
ZZ512-18× 46-3 ZZ512-18× 56-3 ZZ512-18× 66-3 ZZ512-18× 76-3 ZZ512-18× 86-3 ZZ512-18× 96-3	18	46 56 66 76 86 96	3	20	18	
ZZ512-18× 56-4 ZZ512-18× 66-4 ZZ512-18× 76-4 ZZ512-18× 86-4	10	56 66 76 86	4	38	18	





Order ZZ	512-d2-L-d1-S	R MI材质	:SKD61 🖽	硬度:48-52HR(
Co	de						SR	@¥/P
ZZ512-12× ZZ512-12×	27-2.5-15.5 36-2.5-15.5 46-2.5-15.5 56-2.5-15.5		27 36 46 56	2.5				
ZZ512-12× ZZ512-12× ZZ512-12× ZZ512-12×	36-3.5-15.5 46-3.5-15.5 56-3.5-15.5 66-3.5-15.5 76-3.5-15.5		36 46 56 66 76	3.5			15.5	
ZZ512-12× ZZ512-12× ZZ512-12× ZZ512-12×	27-2.5-40 36-2.5-40 46-2.5-40	12	27 36 46 56	2.5	28	13	40	
ZZ512-12× ZZ512-12× ZZ512-12× ZZ512-12× ZZ512-12×	46-3.5-40 56-3.5-40 66-3.5-40		36 46 56 66 76	3.5				
ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18×	46-3 -15.5 56-3 -15.5 66-3 -15.5 76-3 -15.5 86-3 -15.5 96-3 -15.5		46 56 66 76 86 96	3	38		15.5 40	
ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18×	56-4 -15.5 66-4 -15.5 76-4 -15.5 86-4 -15.5 96-4 -15.5	18	56 66 76 86 96	4		18		
ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18×	56-3 -40 66-3 -40 76-3 -40 86-3 -40	10	46 56 66 76 86 96	3		10		
ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18× ZZ512-18×	56-4 -40 66-4 -40 76-4 -40 86-4 -40		56 66 76 86 96	4				

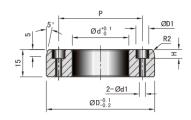
浇口系列 Pouring gate series





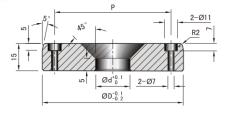
GDA





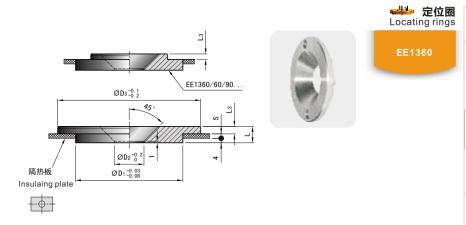
	™ 材质:S45C					
ØD	Ød	Ød1	ØD1			@ ¥ /P
60	36	4.5	7.3	4.5	48	
100	70	7	44	7	85	
120	90	/	- 11	/	105	

GDB





☎Order GDB-D-d M 材	质:S45C		
ØD	Ød		@¥/P
100	25 30 35	85 85 85	
120	20 30 35	105 105 105	



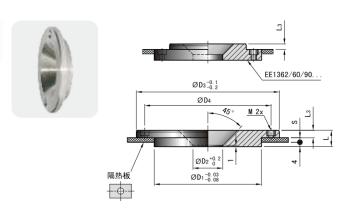
Order EE1360	-D3-D1-L	】材质:S45C				
			L3			@¥/P
60	60	8 14	4	26	- 6	
90	60	12 18	8	36	- 6	
60		8	4	26	- 6	
90		14 12 18 12	8	36	- 6	
100		12 18			- 6	
110		18 12 18 20			- 6 8	
120	90	12 18 20			- 6 8	
125		12 18 20 12 18 20 12	Ü	00	- 6 8	
160		12 18			- 6 8	
175		18 20 12 18 20			- 6 8	





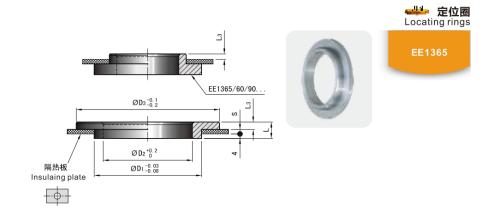


EE1362



Order EE	1362-D3-D1-L	■ 材质	:S45C					
D3			L3					@¥/P
60	60	8 14	4	26	48	- 6		
90	00	14 12 18 8	8	36	76	- 6		
60		8 14	4	26	48	- 6		
90		12 18			76	- 6		
100		12 18			82	- 6		
110		12 18 20			98	- 6 8	M5	
120	90	12 18 20	8	36		- 6 8		
125		12 18 20			104	- 6 8		
160		12 18 20			400	- 6 8		
175		14 12 18 12 18 12 18 20 12 18 20 12 18 20 12 18 20 12 18 20			128	- 6 8		





Order EE1365	-D3-D1-L M 材	质:S45C				
D 3			L3			@¥/P
60		14 20 22 12 18 20	10	50	- 6 8	
110	90	12 18 20			- 6 8	
120		12 18 20 12 18 20 12 18 20			- 6 8	
125		12 18 20	8	82	- 6 8	
160		18 20			6 8	
175		12 18 20			6	
	160	14 20 22 14 22 14 22	10	120	- 6 8	
200	100	22	10	120	8	
250		14 22			- 8	

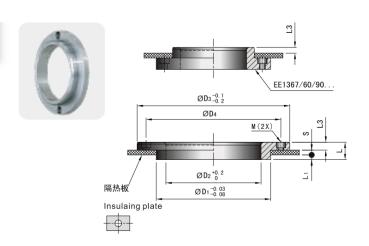


浇□系列 Pouring gate series



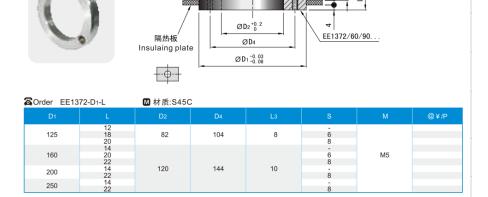


EE1367

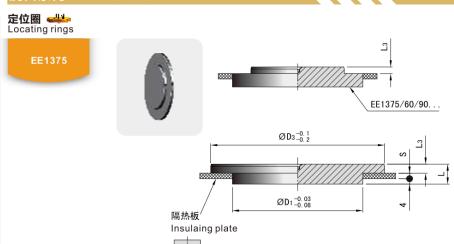


Order	EE1367-D3-D1-	L M 材	质:S45C						
D3				L3		D4			@¥/P
60		18 24 26	8	10	50	75	- 6 8		
110		12 18 20				98	- 6 8		
120	90	12 18 20 12 18 20 12					- 6 8		
125	90	12 18 20	4	8	82	104	- 6 8	M5	
160		12 18 20					- 6 8		
175		12 18 20					- 6 8		
80	110	18 24 26	8		70	95	- 6 8		
175		18 20 12 18 20 12 18 20 18 24 26 14 20 22		10			6		
200	160	14 22	4		120	144	- 8		
250		14 22					- 8		

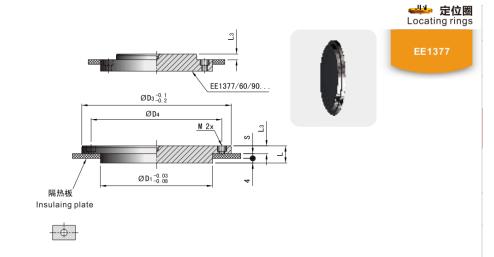








☐Order EE1375-Da ☐	3-D1-L M 材质:S	845C			
D3			L3		@¥/P
90	60	12 18 8	8	- 6	
60		8 14	4	- 6	
100		12 18		6	
110		12 18		- 6 8	
120		14 12 18 18 20 12 18 20 12 18 20 12 18 20 12		-	
	90	20 12	8	6 8	
125		18 20		6 8	
160		12 18		- 6 8	
		20 12 18		-	
175		20 14		6 8	
		12 18 20 14 20 22 14		6 8	
200	160	14 22	10	- 8	
250		14 22		8	

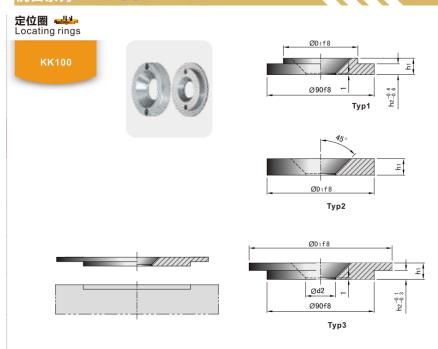


Order EE13	111-D3-D1-L	₩ 材 灰.5450	,					
			L3	D4			@¥/P	
90	60	12 18	8	76	- 6			
60		8 14	4	48 76	- 6			
100		12 18		82	- 6			
110	60	12 18 20		98	6 8			
120		90	12 18 20		104	- 6 8		
125		104	- 6 8	M5				
160		12 18 20	2 8	400	- 6 8			
175		12 18 20		128	6 8			
175		14 20 22			- 6 8			
200	160	14 22 14	10	144	8			
250		14 22			- 8			

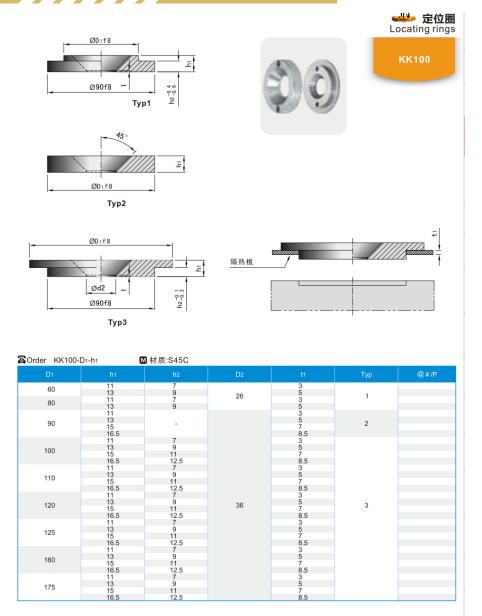
M 材质:S45C

☎Order FF1377-D3-D1-L





Order KK100-D ₁ -	h₁ M 材质:S45C				
D1				Тур	@¥/P
60 80		4		1	
90 100	8	-		2	
110	12				
120	8				
125	12 8		00		
130 140	12	4	36	3	
150	8 12				
160	12 8				
175 180	12				
200 250	12				



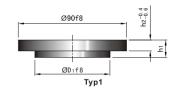


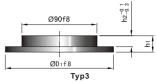
⇒╚ 定位圏 Locating rings

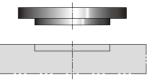


KK500

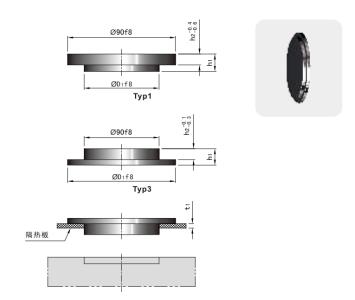








Corder KK500-D1-h1	M 材质:S45C			
D1			Тур	@¥/P
60 80	8		1	
100 110				
120	12 8 12			
125	8 12	4		
140 150	8		3	
160	12			
175	8			
200 250	12			



Order KK500-D ₁ -	h1 ™ 材质:S	45C			
				Тур	@¥/P
60	11 13	7	3		
	13	9	5 3	1	
80	11	/	5		
	13	9	3		
	12	9	5		
100	11 13 15 16.5	11	5 7		
	16.5	12.5	8.5		
	11	7	3		
	11 13 15 16.5	9	5		
110	15	11	7		
	16.5	11 12.5	8.5		
	11	7	3		
100	13	9	5 7		
120	15	11			
	13 15 16.5	12.5	8.5	3	
	11	7	3	3	
125	13	9	5		
125	15	11 12.5	7		
	13 15 16.5	12.5	8.5		
	11 13 15 16.5	7	3		
160	13	9	5		
100	15	11			
	16.5	12.5	8.5		
	11	7	3		
175	13 15 16.5	9	5		
.,,,	15	11 12.5	7		
	16.5	12.5	8.5		

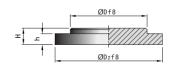
浇口系列 Pouring gate series





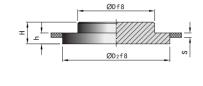
R20





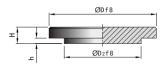
Order R20-D-H	M 材质:S45C			
D				@¥/P
60 80	8 12	4	90	



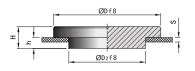


Corder R20-D-H	■ 材质:S45C				
					@¥/P
60	11 13	7 9	90	3 5	
80	15 17	7 9	90	3 5	





	■ 材质:S45C			
D				@¥/P
100 110	12			
120	8			
125 140		4	90	
150 160	12			
175 200 250				
250				







☎ Order R20-D-H	M 材质:S45C				
D					@¥/P
100	15 17 19 21	7 9 11 13		3 5 7 8.5	
110	15 17 19 21	7 9 11 13		3 5 7 8.5	
120	15 17 19 21	7 9 11 13		3 5 7 8.5	
125	15 17 19 21	7 9 11 13	90	3 5 7 8.5	
160	15 17 19 21	7 9 11 13		3 5 7 8.5	
175	15 17 19 21	7 9 11 13		3 5 7 8.5	

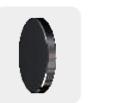




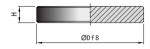




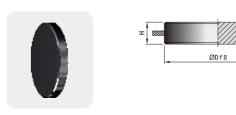
Corder P10 D-H



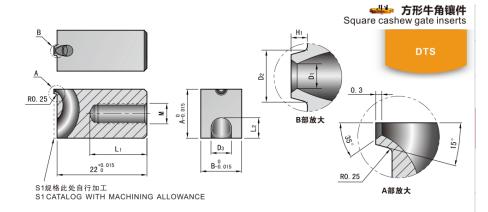
M # 馬·S/15C



Order R19-D-H	1 灰: 5450	
D		@ ¥ /P
40	6	
60 80	8	
90 100		
110 120		
125 130		
140 150	12	
160		
175 200		
250		



	M 材质:S45C		
D			@¥/P
40	9	3	
60	11 13	5	
80	15	3	
	17	5	
90	19	5 7	
110 120	21	8.5	
125	21	0.3	
150			



产品特点:

- 1.DTS为一体式新型牛角镶件,取代对开式牛角镶件,减少成型压力损失,中间不会产生毛边。整体镶件 中间少夹线,产品更加美观;
- 2. 模具成型脱模过程中浇口自动脱离;
- 3. 与I-Mold、Exaflow、Meusburger、Hasco、DME等标准兼容;
- 4. 尺寸小巧, 安装方便, 全球统一标准更换方便, 可降低模具制作成本及周期, 后期便于维护。



🛅 安装使用说明:

·此方形牛角镶件最适用于薄件的塑料制件,如电视机外壳、电脑显示器前框、手机壳等产品。

- 1. New cost efficient alternative to other gate inserts and with improved production technology.
- 2. Moulding and sprue are automatically separated from each other during demoulding.
- 3. Could be compatible with the I-Mold, Exaflow, Meusburger, HASCO, DME.
- 4. Variable smaller gate diameters can be carried out in the area of gate

Installation Guidelines:

· It is especially suitable for components that have thin walls, such as the mold for TV shell, mobile phone etc.

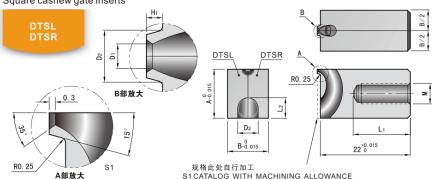
☎Order DTS-08	306-S2	M材质:S13	86 田硬	度:≈50HR0						
Code								L2		@¥/P
DTS-0806-S2/S1	8	6	0.6	1.9	3	0.6	16	3.25	4	
DTS-0808-S2/S1	-	-	0.8	2.1	-	-	-	-	-	
DTS-1008-S2/S1	10	8	0.8	2.2	4	0.8	15	4	5	
DTS-1010-S2/S1	-	-	1	2.3	-	-	-	-	-	
DTS-1012-S2/S1	-	-	1.2	2.6	-	-	-	-	-	
DTS-1014-S2/S1	-	-	1.4	2.7						
DTS-1016-S2/S1	-		1.6	3	-	-	-	-	-	
DTS-1208-S2/S1	12	10	0.8	2.1	5	0.8	14	5	5	
DTS-1210-S2/S1	-	-	1	2.3	-	-	-	-	-	
DTS-1212-S2/S1	-	-	1.2	2.6	-	-	-	-	-	
DTS-1214-S2/S1	-	-	1.4	2.7	-	-	-	-	-	
DTS-1216-S2/S1	-	-	1.6	3	-	-	-	-	-	
DTS-1218-S2/S1	-		1.8	3.1	-	-	-		-	
DTS-1220-S2/S1	-	-	2	3.4						
DTS-1412-S2/S1	14	12	1.2	2.5	6	0.8	13	6	6	
DTS-1414-S2/S1	-	-	1.4	2.7		-	-			
DTS-1416-S2/S1	-	-	1.6	3	-	-	-	-	-	
DTS-1418-S2/S1	-	-	1.8	3.1	-	-	-	-	-	
DTS-1420-S2/S1	-	-	2	3.4	-	-	-	-	-	
DTS-1422-S2/S1	-	-	2.2	3.5	-	-	-	-	-	
DTS-1424-S2/S1	-	-	2.4	3.8	-	-	-	-	-	
DTS-1428-S2/S1			2.8	4.2						

浇□系列 Pouring gate series



方形牛角镶件 🚢

Square cashew gate inserts



产品特点:

- 1.DTSL、DTSR为左右分体式新型牛角镶件;
- 2. 模具成型脱模过程中浇口自动脱离;
- 3. 与I-Mold、Exaflow、Meusburger、Hasco、DME等标准兼容;
- 4. 尺寸小巧, 安装方便, 全球统一标准更换方便, 可降低模具制作成本及周期, 后期便于维护。

🦱 安装使用说明:

此方形牛角镶件最适用于薄件的塑料制件,如电视机外壳、电脑显示器前框、手机壳等产品。

Features

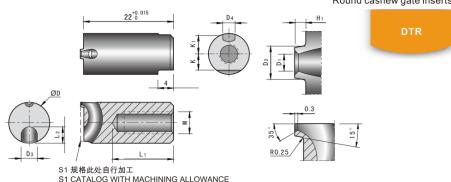
- 1. New cost efficient alternative to other gate inserts and with improved production technology.
- 2. Moulding and sprue are automatically separated from each other during demoulding.
- 3. Could be compatible with the I-Mold, Exaflow, Meusburger, HASCO, DME.
- 4. Variable smaller gate diameters can be carried out in the area of gate.

Installation Guidelines:

• It is especially suitable for components that have thin walls, such as the mold for TV shell, mobile phone etc.

	1806-S ₂	■ 材质:S1	36 用 硬	度:≈50HR0	3					
Code								L2		@¥/P
DTSL/R-0806-S2/S1	8	6	0.6	1.9	3	0.6	16	3.25	4	
DTSL/R-0808-S2/S1	-	-	0.8	2.1	-	-	-	-	-	
DTSL/R-1008-S2/S1	10	8	0.0	2.2	4	0.8	15	4	5	
DTSL/R-1010-S2/S1	-		1	2.3	-	-	-	-	-	
DTSL/R-1012-S2/S1	-	-	1.2	2.6	-	-	-	-	-	
DTSL/R-1014-S2/S1	-	-	1.4	2.7	-	-	-	-	-	
DTSL/R-1016-S2/S1	-	-	1.6	3	-	-	-	-	-	
DTSL/R-1208-S2/S1	12	10	0.8	2.1	5	0.8	14	5	5	
DTSL/R-1210-S2/S1	-	-	1	2.3	-	-	-	-	-	
DTSL/R-1212-S2/S1	-	-	1.2	2.6	-	-	-	-	-	
DTSL/R-1214-S2/S1	-	-	1.4	2.7	-	-	-	-	-	
DTSL/R-1216-S2/S1	-		1.6	3	-	-	-	-	-	
DTSL/R-1218-S2/S1	-	-	1.8	3.1	-	-	-	-	-	
DTSL/R-1220-S2/S1	-	-	2	3.4	-	-	-	-	-	
DTSL/R-1412-S2/S1	14	12	1.2	2.5	6	0.8	13	6	6	
DTSL/R-1414-S2/S1	-	-	1.4	2.7	-	-	-		-	
DTSL/R-1416-S2/S1	-	-	1.6	3	-	-	-	-	-	
DTSL/R-1418-S2/S1	-	-	1.8	3.1	-	-	-	-	-	
DTSL/R-1420-S2/S1	-	-	2	3.4	-	-	-	-	-	
DTSL/R-1422-S2/S1	-	-	2.2	3.5	-	-	-		-	
DTSL/R-1424-S2/S1	-	-	2.4	3.8	-	-	-	-	-	
DTSL/R-1428-S2/S1	-	-	2.8	4.2	-	-	-	-	-	

圆形牛角镶件 Round cashew gate inserts



产品特点:

- 1.DTR为一体式新型牛角镶件,圆形设计,方便加工安装孔;
- 2. 模具成型脱模过程中浇口自动脱离;
- 3. 与I-Mold、Exaflow、Meusburger、Hasco、DME等标准兼容;
- 4. 尺寸小巧,安装方便,全球统一标准更换方便,可降低模具制作成本及周期,后期便于维护。

安装使用说明:

🛅 此圆形牛角镶件最适用于薄件的塑料制件,如电视机外壳、电脑显示器前框、手机壳等产品。

Features

- 1. New cost efficient alternative to other gate inserts and with improved production technology.
- 2. Moulding and sprue are automatically separated from each other during demoulding.
- 3. Could be compatible with the I-Mold, Exaflow, Meusburger, HASCO, DME.
- 4. Variable smaller gate diameters can be carried out in the area of gate

Installation Guidelines:

It is especially suitable for components that have thin walls, such as the mold for TV shell, mobile phone etc.

Order DTR-0	806-S ₂	■材质	:1.3343	(M ₂)	硬度:≈6	0HRC						
Code										L2		@¥/
DTR-0806-S2	8	6	0.6	1.9	3	-	0.6	-	16	3.25	4	
DTR-0808-S2	-	-	0.8	2.1	-	-	-	-	-	-	-	
DTR-1008-S2	10	8	0.8	2.2	4	3	0.8	4.6	15	4	5	
DTR-1010-S2	-	-	1	2.3	-	-	-	-	-	-	-	
DTR-1012-S2	-	-	1.2	2.6	-	-	-	-	-	-	-	
DTR-1014-S2	-	-	1.4	2.7	-	-	-	-	-	-	-	
DTR-1016-S2	-	-	1.6	3	-	-	-	-	-	-	-	
DTR-1208-S2	12	10	0.8	2.1	5	4	0.8	5.4	14	5	5	
DTR-1210-S2	-	-	1	2.3	-	-	-	-	-	-	-	
DTR-1212-S2	-	-	1.2	2.6	-	-	-	-	-	-	-	
DTR-1214-S2	-	-	1.4	2.7	-	-	-	-	-	-	-	
DTR-1216-S2	-	-	1.6	3	-	-	-	-	-	-	-	
DTR-1218-S2	-	-	1.8	3.1	-	-	-	-	-	-	-	
DTR-1220-S2	-	-	2	3.4	-	-	-	-	-	-	-	
DTR-1412-S2	14	12	1.2	2.5	6	4	0.8	6.4	13	6	6	
DTR-1414-S2	-	-	1.4	2.7	-	-	-	-	-	-	-	
DTR-1416-S2	-	-	1.6	3	-	-	-	-	-	-	-	
DTR-1418-S2	-	-	1.8	3.1	-	-	-	-	-	-	-	
DTR-1420-S2	-	-	2	3.4	-	-	-	-	-	-	-	
DTR-1422-S2	-	-	2.2	3.5	-	-	-	-	-	-	-	
DTR-1424-S2	-	-	2.4	3.8	-	-	-	-	-	-	-	
DTR-1428-S2	-	-	2.8	4.2	-	-	-	-	-	-	-	

浇口系列 Pouring gate series



小牛/盲孔型角镶件 🚢

Mini/Blind hole cashew gate inserts

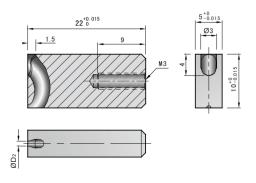
DTTM

产品特点:

- 1.DTTK为一体式新型牛角镶件,整体镶件,
- 中间少夹线,产品更加美观;
- 2. 尺寸小巧, 安装方便。

Features:

- 1.One-piece unit design, reduces pressure and shear stress.
- 2. With small size, easy to mount.



20-0.015

Order	DTTM-10-05	M 材质:S136	H 硬度:≈50HR	С
		Code		

Code		@¥/P
DTTM-10-05	0.5	
DTTM-10-07	0.7	
DTTM-10-09	0.9	
DTTM-10-11	1.1	

DTTK

产品特点:

- 1.DTTK为一体式新型牛角镶件,取代对开式牛角镶件, 减少成型压力损失,中间不会产生毛边。整体镶件 中间少夹线,产品更加美
- 2. 盲孔设计,客户可根

Features:

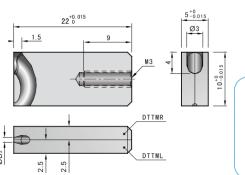
DTTK-20-10

- 1.One-piece unit desig stress.

Blind hole design, customer can process the sprue gate as per need.								
☎ Ord	er DTTk	(-20-10	М材质:S	3136 G	〕 硬度:≈50HI	RC		

同不云广王七边。 整体操件 美观; 根据实际要求来自行加工浇口点。	17.3
gn, reduces pressure and shear	
ustomer can process the sprue	1.5
☑材质:S136 【】硬度:≈50HRC @¥/P	
	<u>M5</u>

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小牛/盲孔型角镶件

Mini/Blind hole cashew gate inserts

DTTMR

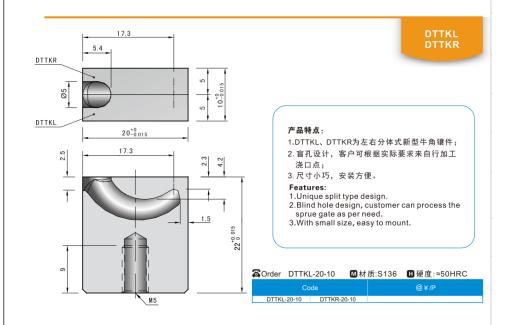
产品特点:

- 1.DTTML、DTTMR为左右分体式新型牛角镶件;
- 2. 尺寸小巧, 安装方便。

Features:

- 1.Unique split type design.
- 2. With small size, easy to mount.

	田 硬度:≈50HRC	■材质:S136	DTTML-10-05	Order
@¥/P			Code	
	0.5	DTTMR-10-05	TML-10-05	DTT
	0.7	DTTMR-10-07	TML-10-07	DTT
	0.9	DTTMR-10-09	TML-10-09	DTT
	1.1	DTTMD 40 44	TMI 40 44	DTT



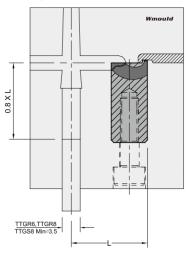


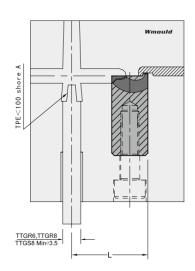
牛角镶件 🔐 Cashew gate inserts

顶针距离设置

顶针距离设置示意图:

Distance L:





Thermoplastic elastomers(TPE) / 热塑性弹性体 (TPE) Low shore hardness=shorter distance L / 硬度越低L越短 Use centring pin Max.hardness 100 shore A

牛角镀件	各种塑胶材料所对应的顶针距离L/Plastic material								
十用城計 Cashew gate inserts	TPE. TPE. TPA etc.	PE. PP. PET. PBT etc.	ABS. PC/ABS. PA. POM. HI-PC etc.	PA+GF, PC, SAN, PMMA, PS etc.					
DTR6	9-12	12-18	15-22	18-25					
DTS08/DTR08 Series	11-14	15-22	19-27	23-30					
DTS10/DTR10 Series	15-18	19-27	24-33	28-36					
DTS12/DTR12 Series	18-22	22-30	27-36	32-40					
DTS14/DTR14 Series	20-25	25-33	30-37	35-43					
DTTM	> 15	> 15	> 20	> 25					
DTTK	> 20	> 25	> 30	> 40					

牛角镶件 Cashew gate inserts

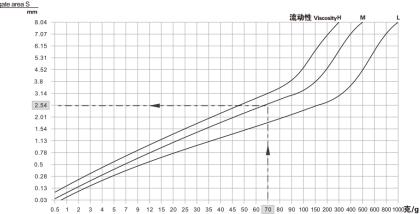
镶件规格的选择方法 Select the suitable catalog

产品材料, 重量, 流动性与进胶口面积曲线

Product material, weight, viscosity, gate area graph

所需进胶口面积S

Need gate area S



H-流动性差 High viscosity

产品重量(克) Product weight(g)

M-流动性中等 Medium viscosity L-流动性好 Low viscosity

规格 Catalog	нстм	HGS/HGR 08	HGS/HGR 10	HGS/HGR 12	HGS/HGR 14
流道直径/ØRunner	3mm	3mm	4mm	5mm	6mm

流动性 Viscosity	最大射胶量(克) Max.Shotweight(g)							
流动性差 /H	3	3	12	25	75			
流动性中等/M	4	4	20	35	120			
流动性好 /L	5	5	30	50	200			

H-流动性差 High viscosity M-流动性中等 Medium viscosity L-流动性好 Low viscosity

PC, PC-ABS, TPE, PPS, POM-H, PES, PPO, PEI, PUR... ABS, SAN, PBT, POM-CO, PET, EPDM, ASA...

PP, PS, PE, SB, PET, TPU, TPA...



产品概述

Products Summary

流道流量调整销应用范围:

流道流量调整销主要应用于多腔模具或异品共模模具中。由于流道的平衡程度偏差, 导至在注塑过程中各型腔的 树脂填充时间容易产生偏差。当树脂填充时间产生偏差时,此时可以使用流道流量调整销通过调整流道直径式方 式来均衡填充时间。

Runner flow rate adjustment pin:

The runner flow rate adjustment pin is recommended to be used with a multi-cavity mold or a dual cavity mold. In a case of a multi-cavity mold, or a dual cavity mold, a difference in a filling time of each cavity tends to occur depending upon the runner balance. Normally, if a difference in the filling time cacurs, the filling time can be equalized by adjusting the runner diameter.

产品的特点:

- 1. 能够在不拆卸模板的情况下从分型面进行流量调整。适用于成型试模时的流量调整;
- 2. 在多型腔模具中,不仅可以进行流量调整,而且还可以切断或重新接通流向特定型腔的树脂流;
- 3. 在异品共模中,不但可以实现流量调整,还可以实现流道转向功能。

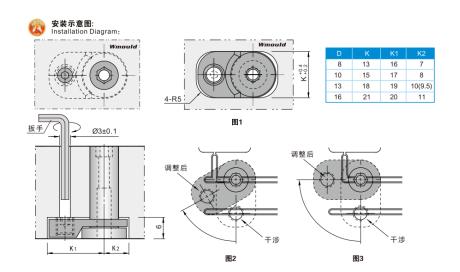


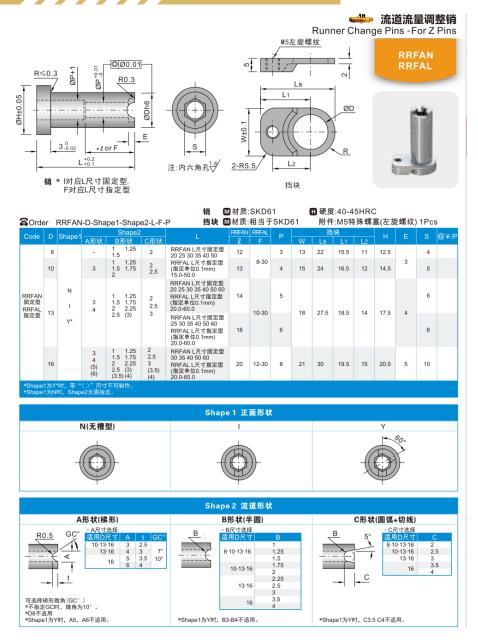
- 安装使用说明: ・使用2.5mm六角扳手从3孔插入旋转螺塞固定。(如图1所示)
- · 当安装位置有流道等部件与挡块的扳手机干涉时,可以移动挡块的安装位置来避免干涉。 (如图2、图3所示)

Features:

- When incorporated in the mold, the pin enables the flow rate to be adjusted from the parting face. You can use it to adjust the flow rate during a molding try.
- When using this pin with a multi-cavity mold, it is possible not only to adjust the flow rate but also to stop and restart the flow of resin to a specific cavity.
- 3. When using this pin in a dual cavify mold, use it as both a flow rate adjustment pin and a runner change pin.

- Insert the runner flow rate adjustment pin into the Ø3mm hole by hex-head wrench of 2.5mm width, and then fix it.
- If there is a runner, for example, at the mounting position, and the wrench hole of stopper interferes with it, change the mounting position of the stopper. (Refer to Fig. 2 and Fig. 3).







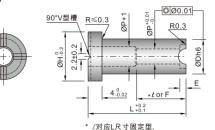


Runner Change Pins -For Z Pins

Shape1为T*,K*时,带"()"尺寸不可制作 Shape1为N时,Shape2无需指定。

RRCPNZ RRCPLZ





F对应L尺寸指定型



☎Order RRCPNZ-D-Shape1-Shape2-L-F-P M材质:SKD61 H硬度:48-52HRC

Code	D	Shape1		Shape2			RRCPNZ	RRCPLZ				ES		@¥/P
Code		Shaper	A形状	B形状	C形状		l	F		柱塞				W + /P
	8		-	1 1.25 1.5	2	RRPNZ L尺寸固定型 20 25 30 35 40 50	12		3		14		4	
	10		3	1 1.25 1.5 1.75 2 2.25 2.5	2 2.5	RRPLZ L尺寸指定型 (指定单位0.1mm) 15.0-50.0	13		4	BPJ4 BSJ4	16	3	5	
RRCPNZ 固定型 RRCPLZ	13	N I T*	3	1 1.25 1.5 1.75	2 2.5	RRPNZ L尺寸固定型 20 25 30 35 40 50 60 RRPLZ L尺寸指定型 (指定单位0.1mm) 20.0-60.0	14	7.20	7-30		19	4	6	
指定型	13	K* L	4	2 2.25 2.5 (3)	3	RRPNZ L尺寸固定型 25 30 35 40 50 60 RRPLZ L尺寸指定型 (指定单位0.1mm) 20.0-60.0	18	7-30	6	BPJ5 BSJ5	19	*	8	
	16		3 4 (5) (6)	1 1.25 1.5 1.75 2 2.25 2.5 (3) (3.5) (4)	2 2.5 3 (3.5) (4)	RRPNZ L尺寸固定型 30 35 40 50 60 RRPLZ L尺寸指定型 (指定单位0.1mm) 20.0-60.0	20		8		22	5	10	

Shape 1 正面形状(柱塞定位槽与流道的方向相同)									
N(无槽型)	I	T	K	L					

Shape		
A形状(梯形)	B形状(半圆)	C形状(圆弧+切线)
R0.5 GC° A尺寸选择	BR寸选择 适用D尺寸 B 8-10-13-16 1.25 1.5 10-13-16 1.75 2 13-16 2.5 3 16 3.5	B 5° C尺寸选择 <u>端用D尺寸 C</u> R 10·13·16 2 10·13·16 2.5 13·16 3.5 16 3.5 4
*不指定GC时,维角为10°。 *D8不适用 *Shape1为T和K时,A5,A6不适用。	*Shape1为T和K时,B3-B4不适用。	*Shape1为T和K时,C3.5 C4不适用。

流道流量调整销

Runner Change Pins -For Z Pins

RRCPNZ RRCPLZ

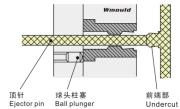
🔊 安装使用说明:

- 1. Z型推杆适用型流道转向销适用于高透明度树脂成形,可防止顶出时贴在推杆上的粉屑粘到成品上;
- 2. 可使用内六角扳手从分型面改变流道槽的方向;
- 3. 请用球头柱塞进行定位。

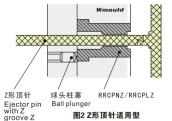
7///////

- 1. Effective to prevent resin powders from being mixed in the products. When the resin with a high transparency etc. are used, it will generate chipping powder when the resin of undercut part is releasing from the mold.
- The runner groove direction can be changed from the PL side using a hexagonal wrench as well as conventional products.
- 3.Please use a ball plunger for positioning.









For Z pin combination



产品专利 PATENT CERTIFICATE



专利号: ZL 2008 2 0095940.3

型号: FFD P320



产品特点:

- 此种型号日期章由12组月份和6组年份组成,节约成本,更有效的 利用使用空间,寿命更长,效率更高;
- 顺时针方向旋转内镶件可调整箭头所指示年份,逆时针方向旋转 内镶件可调整箭头指示月份,且调整时内镶件无凹凸现象; 内部采用波珠及分度凹槽结构定位,指示更精准;
- 也可以雕刻年、月、日.



专利号: ZL 2012 2 0020044.7

型号: MMTGL P475



产品特点:

- 此组件与类似DTK斜顶装置配套使用,适用于大型模具;
- 内部球形的铜导滑杆固定座具有20°倾斜度的摆动,十分便于
- 安装;镶石墨的设计,减少斜导杆在移动中的磨损和卡伤; 减少因斜导杆过长在运动过程中而造成的摆动;减少斜导杆尾部 的负载力,增加向上力使其整个机构使用性能更好、寿命更长.

日期章&气顶系列 **Date stamps & Air valves Series**







日期章 DIN 日期章 DIN 日期章 日期章 日期章 Date stamps Date stamps Date stamps Date stamps ZZ48 P310 ZZ4861 P311 ZZ4800/ZZ48705 P312 FFA/IIA P313 DDATI-1000 日期章 DIN 日期章 日期章 日期章 日期章 DIN Date stamps Date stamps Date stamps Date stamps Date stamps DDATI-1200 P315 DDATI-1300 P316 DDATI-1800 P317 DDATI-2000 P318 DDATI-2200 P319 日期章 日期章 日期章 日期章 日期章 Date stamps Date stamps Date stamps Date stamps Date stamps P322 DDTN/DDTNX FFD P320 FFOB P321 UUOB P323 CO P325 气顶 气顶 DIN 气顶 气顶 Date stamps Air valves Air valves Air valves Air valves P326 AJV P327 VVA-C P327 ZZ491 P328 VVA 环保章 气顶 气阀 透气钢/透气针 TAIWAN 氮气嘴 氮气嘴 TAIWAN Air valves Double valves Ventilate steel / Needle Air spigot Air spigot P331 DT01-1 P329 VVD P330 PPM35 P332 DT01-2 TAIWAN 氮气嘴 TAIWAN 氮气嘴 TAIWAN 氮气嘴 TAIWAN 氮气嘴 Air spigot Air spigot Air spigot Air spigot Air spigot DT01-3 P332 DT01-4 P332 DT01-5 P332 DT01-6 P332 DT02-1 氮气嘴 氮气嘴 TAIWAN 氮气嘴 **TAIWAN** 氮气嘴 氮气嘴 TAIWAN Air spigot Air spigot Air spigot Air spigot Air spigot P333 DT02-3 P333 DT02-4 P333 DT02-5 DT02-2 P333 DT02-6 P333

产品概述 Products Summary

日期章概述:

日期章是指使塑胶零件产品上刻印成形文字的一种标识零件的总称。

日期章的内部结构一般有如下几种:波珠结构、弹簧结构、换芯结构、使用时无台阶结构等。

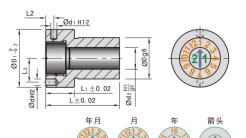
图示	图示		结构	Code	页码	说明
内镶件			可背面更	ZZ48 DIN	P310	调整内镶件时不会出现凹凸现象。 需拆开模板后,才能更换内镶件。
ZZ48	DDTN		换内镶件	DDTN JIS	P323	
		波	可正面更	DDTNX JIS	P324	调整内镶件时不会出现凹凸现象。 无需拆模,可从分型面进行内镶 件的更换。
DDTNX	UUOB	珠结	换内镶件	UUOB AISI	P322	
		构	内镶不	FFD DIN	P320	内镶件不可更换。 FFD为三圈型日期章,多个年份及 月分标识一体,节约模具空间。
FFD (三圏型)	CO		能更换	CO TAIWAN	P325	
1111111111				DDATI1300	P316	调整内镶件时会出现凹凸现象。 无需拆模,可从分型面进行内镶
DDATI1300	ZZ48705			ZZ48705 DIN	P312	件的更换。
11111111				FFOB AISI	P321	
DDATI1800	FFOB			DDATI1800	P317	
		弹	可正面更	DDATI1000	P314	
DDATI1000	DDATI1200	簧 结 构	换内镶件	DDATI1200	P315	
		124		FFA DIN	P313	调整内镶件时不会出现凹凸现象。
DDATI2000	ZZ4861			ZZ4861 DIN	P311	无需拆模,可从分型面进行内镶 件的更换。
				DDATI2200	P319	
DDATI2200	FFA			DDATI2000	P318	
		-	-	环保章 DIN/AISI	P326	塑胶产品上成形文字为凸文字。



日期章 Date Stamps

ZZ48





ZZ482

ZZ483

ZZ480

ZZ48

产品特点:

- 1.内镶件可实现互换功能,节约成本;
- 2.内镶件及主体均采用独特的挂台外形,有效的解决了啤塑过程中,日期章从模内粘出脱落的问题;
- 3.尾部底面及侧面配有销钉安装孔位,用于日期章的止转功能;
- 4.调节时内镶件不会出现凹凸现象;
- 5.采用波珠结构,指示更精准。

Features:

- 1.Inner insert are replaceable, cost reduction.
- 2. Insert and main body adopts unique Hang machine appearance Effectively solve the problems with date stamps fall off the mould when produce.
- 3. The dowel pin holes on the bottom and the sides are used to stop the date stamps.
- 4. Adjust the inner insert will have not bump phenomenon.
- 5. Position with inner ball bearing, arrows indicate exactly.

—	Total Displayer Control										
年月 Year&Months	月 Months	年 Year					L2	L3		Ød2	@¥/P
ZZ48- 6	ZZ482- 6	ZZ483- 6	6	10	14	5	0.9	5	1.5	3.5	
ZZ48- 8	ZZ482- 8	ZZ483- 8	8	12	17	6	0.9	6	1.5	4.5	
ZZ48-12	ZZ482-12	ZZ483-12	12	20	22	10	3.5	8	2	6.5	
ZZ48-16	ZZ482-16	ZZ483-16	16	23	27	11	3.5	9.25	2	9	
ZZ48-20	ZZ482-20	ZZ483-20	20	28	36	14	4	11.5	3	10.5	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code.





图1:安装

图2:拆卸 Disassemble

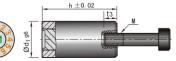


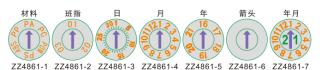


- ·安装及拆卸内镶件时(如左图所示),用手指轻压即可轻便装 拆; (在拆卸小径内镶件时可借助螺丝刀等辅助工具顶出)
- ·如右图所示,用螺丝刀顺或逆时针方向旋转内镶件调整箭头 指向所需的月份。(请使用专用螺丝刀调整, ▮© 详见P927)

Installation Guidelines:

- · When inner insert to install and tear down(see the left picture), it is easy to install and tear down with your finger (when tear down small diameter inner insert can eject by screwdriver.)
- · As right picture, can rotate clockwise and anticlockwise to adjust arrows to indicate needing months (use professional screwdriver to adjust, see page "P927")





🛶 日期章 Date Stamps





产品特点:

1.内镶件可顺时针方向无限制旋转,刻字面无凹凸现象。

Features:

1. Inner inserts are be adjusted unlimitedly by left and right side, surface is smoothly with Inscription.

&Order ZZ4861-2-4 M材质:S136 H硬度:50-55HRC

材料 Materials	班指 Shift	日 Days	月 Months	年 Year				M	@¥/P
ZZ4861-1- 4	ZZ4861-2- 4	ZZ4861-3- 4	ZZ4861-4- 4	ZZ4861-5- 4	4	12.5	2.5	M2 ×20	
ZZ4861-1- 5	ZZ4861-2- 5	ZZ4861-3- 5	ZZ4861-4- 5	ZZ4861-5- 5	5	14		M2.5×20	
ZZ4861-1- 6	ZZ4861-2- 6	ZZ4861-3- 6	ZZ4861-4- 6	ZZ4861-5- 6	6	16	3.0		
ZZ4861-1- 8	ZZ4861-2- 8	ZZ4861-3- 8	ZZ4861-4- 8	ZZ4861-5- 8	8	18		M3 ×20	
ZZ4861-1-10	ZZ4861-2-10	ZZ4861-3-10	ZZ4861-4-10	ZZ4861-5-10	10	22			
ZZ4861-1-12	ZZ4861-2-12	ZZ4861-3-12	ZZ4861-4-12	ZZ4861-5-12	12	25	5.5	M4 ×20	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code









安装使用说明:

- 日期章与模具呈顺配安装, 用拇指用力按入即可。使用杯 头螺丝将日期章从背面固定:
- 如右图所示,用螺丝刀顺或逆时针方向旋转内镶件调整箭 头指向所需的月份。(请使用专用螺丝刀调整, 🖙 详见P927)

- · Press the date stamp closely into mold with thumbs. fix it at the back side by using screws.
- · As right picture, can rotate clockwise and anticlockwise to adjust arrows to indicate needing months (use professional screwdriver to adjust, see page "P927")



日期章 Date Stamps



产品特点:

1.方形圆角设计,方便加工安装孔;

14

17

20

3.5

2.独特结构设计,在不拆卸模板情况下可正面更换标识镶件, 节约成本。

Features:

- 1. Square and circular angle design, easy to process install hole.
- 2. Unique Structure design, can replace identifying insert without tearing down the template, cost reduction.

R ⁺⁰ .00
4 Az

M2

МЗ

145

10.5

13

14

M1.4×0.2

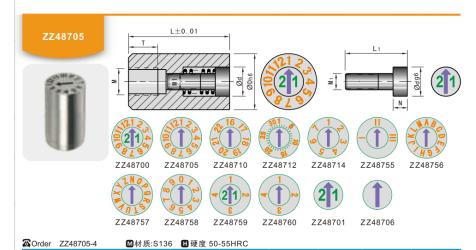
M1.6×0.2

M2.5×0.35

M3 ×0.5

A-0. 01

	800-18-10	М材质	:S136 🖽	硬度:50-55	HRC					
Code										@¥/P
ZZ4800-18-10	18	10	2.5	2	11.2	5		3.2		
ZZ4800-25-20	25	20	4.5	4	12.7	4	3.2	2 5	M3	
774800-35-25	35	25	8	6.5	12.7	4		3.5		



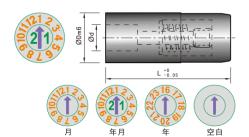
2.3

3

2.5

3.1

4.6



→ 日期章 Date Stamps



产品特点:

- 1.内镶件可正面更换,不需拆模,方便简单; 2.内镶件可实现互换功能,节约成本;
- 3.内镶件顺时针旋转时可以无限制转动,刻字 面无凹凸现象。

安装使用说明:

· 日期章与模具紧配安装。

Features:

- 1.Inner insert can be removed from front, no need to dismantle the mold, more simple.
- 2. Inner insert are replaceable, cost reduction.
- 3. Turn clockwise infinitely and smoothly, the surface have not bump phenomenon with Inscription.

Installation Guidelines:

· Date stamps tight installation in parting mold.

☎Order FFA-042	22SF M 材质:	6136 日硬度:50-	55HRC			
月 Months	年月 Year&Months	年 Year	空白 Blank			@¥/P
FFA-0422SF	FFA-042212	FFA-042204	FFA-042200	4	12	
FFA-0530SF	FFA-053012	FFA-053004	FFA-053000	5	12	
FFA-0632SF	FFA-063212	FFA-063205	FFA-063200	6		
FFA-0847SF	FFA-084712	FFA-084705	FFA-084700	8		
FFA-1057SF	FFA-105712	FFA-105706	FFA-105700	10	20	
FFA-1267SF	FFA-126712	FFA-126708	FFA-126700	12	20	
FFA-1687SF	FFA-168712	FFA-168710	FFA-168700	16		
FFA-2007SF	FFA-200712	FFA-200710	FFA-200700	20		

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code



更换内镶件时, 用螺丝刀按顺时针方向旋入 内镶件,直至听到"咔哒"声完成安装。按 顺时针方向旋转改变箭头指向, 逆时针方向 旋转取出内镶件。(请使用专用螺丝刀调整, 详见 📭 P927)

Installation Guidelines:

· When replace inner insert, rotate in clockwise by screwdriver, finished with hearing "click" change arrow clockwise, take out inner insert anticlockwise (use specified screwdriver to adjust, see page"P927")

	■材质:S136 日 ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	:50-55HRC		
箭头 Arrow	年 Year			@¥/P
IIA-2275SF	IIA-2275	2.2	7.5	
IIA-3075SF	IIA-3075	3	7.5	
IIA-3217SF	IIA-3217	3.2		
IIA-4717SF	IIA-4717	4.7		
IIA-5717SF	IIA-5717	5.7	17	
IIA-6717SF	IIA-6717	6.7	17	
IIA-8717SF	IIA-8717	8.7		
IIA-1007SF	IIA-1007	10.7		

订购年码章时,请在型号后加注需要年份

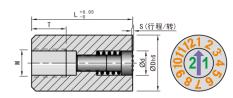
Purchase year code date stamps, please mark which year you need on end code.



日期章 🚢 Date Stamps

DDATI1000







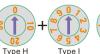




Type K













Type T





Type E

产品特点: 1.结构简单,安装方便: 2.内镶件可更换;

Type L

Features:

Type M

1. Simple structure and install conveniently.

Type R

2.Can replace the inner insert.

Type N

☎Order DDATI1000-D-Type М材质:S136 Н硬度:50-55HRC

D						@¥/P
4	2.5	14	2			
5	3.1	17	3	3	0.20	
6		17				
8	4.6	20	4	4	0.35	
10	4.0	20	5			
12	6.4	25	6	6	0.50	
16	8.4	33	8	8	0.60	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份



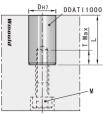








图1:安装 Install Disassemble

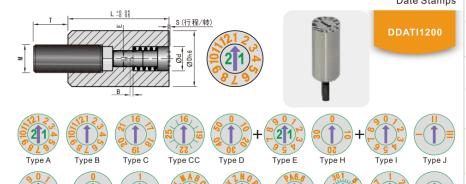
安装使用说明:

- 日期章安装时先将内镶件取出,以免损伤内镶件。
- 日期章与模具呈顺配安装, 用拇指用力按入即可。
- 使用杯头螺丝将日期章从背面固定;
- · 调整时内镶件不能无限制调整;
- · 调节时内镶件会有凹凸现象:
- ·如右图所示,用螺丝刀顺时针方向旋转内镶件装入内 镶件, 逆时针方向旋转拆除内镶件。(请使用专用螺丝 刀调整, 详见 F P927)

Installation Guidelines:

- · Date stamps and mold need install clockwise with pressing by thumb.
- · fix at back side with head cap screw.
- · Inner inserts can not be adjusted unlimitedly.
- · When adjusting, the inner inserts are not smooth
- · As right picture, inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page "P927")

➡ 日期章 Date Stamps



产品特点:

Type E

1.结构简单,正面锁紧型(模外); 2.内镶件可更换。

Type L

Type K

Type M

1. Simple Structure, to secure outside of the mold by a threaded pin.

Type R

Type T

Type WT

Type Z

2. Inner inserts can be replaceable.

Type N

4	Order DDATI1	200-D-Type	М材质:S136	₩硬度:50	-55HRC				
									@¥/P
I	3 4	1.6 2.5	14	2		0.20 0.30	1.5	SW1.3 SW1.5	
l	5 6	3.1	17	3	4	0.40	0.5	0.8	
l	8 10	4.6	20	4 5		0.40	0.7	1	
ı	12 16	6.4 8.4	25 33	6 8	6 8	0.60	1	1.5	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code



内镶件使用示意图: Disassemble chart for inner insert:



图2:拆卸 Install Disassemble

- ・日期章与模具呈顺配安装:
- ·如右图所示,用螺丝刀顺时针方向旋转装 入内镶件, 逆时针方向旋转拆除内镶件。 (请使用专用螺丝刀调整, 详见LGT P927)
- · 调整内镶件时不能无限制顺时针调整;
- · 调节时内镶件会有凹凸现象

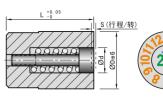
- · Date stamps and mold need to install clockwiseDate stamps and mold need to install clockwise.
- · As right picture, inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page "P927")
- · Inner inserts can not be adjusted unlimitedly.
- · When adjusting, the inner inserts are not smooth enough.



日期章 🛶 Date Stamps





















Туре Н



Type I





Type J



Type E

1.结构简单,安装方便: 2.内镶件可更换,节约成本。

Type L

- 1. Simple Structrue and easy to install.
- 2.Inner insert can be replaceable, cost reduction.

☎Order DDATI1300-D-Type M 材质:S136 日硬度:50-55HRC

Type K

D					@¥/P
2.6 2.8	1.4	4	0.20	1.5	
3 3.5 4	1.5 1.8 2.1	5	0.25	1.6 1.8 2.2	
5	3.1	8	0.20	3.2	
8 10	4.4 5.2	10 12	0.25	4.2 5.2	
12 16	6.2 8.2	14	0.35	6.2 8.2	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份



D₁ Max



Install





- ·用胶锤将日期章轻轻敲入孔内,如孔过小可 能导致内镶件无法旋转;(注:安装前请先拆除 内镶件。如需拆卸整个日期章,请在安装前 预留从模板背面顶出的工艺孔)
- 调整时内镶件不能无限制调整
- ·调节时内镶件会有凹凸现象。
- ·如右图所示,用螺丝刀顺时针方向旋转装入内 镶件, 逆时针方向旋转拆除内镶件。(请使用 专用螺丝刀调整, 详见LCT P927)

Installation Guidelines:

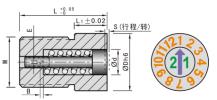
· Strike date stamps into hole with Rubber hammer, small hole will stop the inner insert from rotate(tear down inner insert before

install, if need to install all the whole date stamps, need keep the hole which is ejected by back side before install)

- 2. Inner inserts are not be adjusted unlimitedly.
- 3. When adjusting, the inner inserts are not smooth enough.
- 4.As right picture, inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page "P927")

🚢 日期章

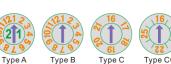
Date Stamps





Туре Н

DDATI1800





Type K









Type I



Type Z

产品特点:

Type E

1.结构简单,可正面装卸日期章: 2.内镶件可更换;

Type L

1. Simple structure, can tear down date stamps from front.

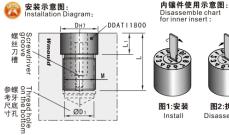
Type E

2. Inner insert can be replaceable.

☎Order DDATI1800-D-Type M材质:S136 日硬度:50-55HRC 2.5×0.35 0.2 0.4 22 0.3 1.5 3.5 2.7 3×0.35 0.4 0.25 0.5 4.5×0.5 3.1 8 0.2 0.6 5 ×0.5 0.8 44 0.25 5.6 6 ×0.5 0.7 8 ×0.75 10 ×0.75 9.4 0.35 1.2

12 ×1

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份



8.2



Install



图2:拆卸 Disassemble

安装使用说明:

- 如右图所示,用螺丝刀顺时针方向旋转装 入内镶件, 逆时针方向旋转拆除内镶件。 (请使用专用螺丝刀调整, 详见 🖾 P927)
- · 调整时内镶件不能无限制调整;
- 调节时内镶件会有凹凸现象。
- · 日期章与模具呈顺配安装, 模板攻牙应注 意与安装孔垂直。

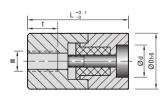
- · As right picture, inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page"P927")
- · Can't unlimited to adjust inner inserts.
- · Inner inserts will have rugged phenomenon when adjust them.



日期章 Date Stamps

DDATI2000











Type K





Type M







Type I



Type J



产品特点:

Type E

1.结构简单,尾部锁紧型;

Type L

- 2.内镶件可更换;
- 3.调节时内镶件不会有凹凸现象。

Features:

- 1. Simple Structure, to secure outside of the mold by a threaded pin.
- 2. Inner insert can be replaceable.
- 3. When adjusting, the inner inserts are smooth enough

☎Order DDATI2000-D-Type M 材质:S136 H 硬度:50-55HRC 2.5 14 3.1 17 4.6 20 25 64 8.4

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code



内镶件使用示意图: Disassemble chart for inner insert :



Install



图2:拆卸 Disassemble

安装使用说明:

- · 日期章与模具呈顺配安装, 用拇指用力按入即可, 使用 杯头螺丝将日期章从背面固定。
- ·如右图所示,用螺丝刀顺时针方向旋转内镶件装入内镶 件, 逆时针方向旋转拆除内镶件。(请使用专用螺丝刀调 整,详见 📭 P927)

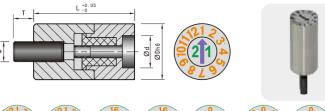
Installation Guidelines:

- · Date stamps and mold need install clockwise with
- pressing by thumb fix at back side with head cap screw. · As right picture, inner insert to install clockwise and anticlockwise revolve to disassemble inner insert (use specified screwdriver to adjust, see page "P927")

DDATI2200

🚢 日期章

Date Stamps



Type CC Type B Type C Type D Type E Туре Н Type A Type I Type J Type L Type K Type M Type N Type T Type WT Type Z

产品特点:

1.结构简单,正面锁紧型(模外); 2.内镶件可更换, 节约成本。

Features:

- 1. Simple Structure to secure outside of the mold by a threaded pin.
- 2. Inner inserts are replaceable, cost reduction.

4	Order DDA112200-D-1	ype M 材质:S136	₩ 使 使:50-55HRC			
						@¥/P
	3	1.6 2.5	14	2		
	5	3.1	17	3	4	
	6 8			4		
	10	4.6	20	5		
	12 16	6.4 8.4	25 33	8	8	

订购年码意时,请在型号后加注需要的起始年份,若订购年月合并码意时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code.



SW:内六角 Inner hexagon



图2:拆卸 Disassemble

容装使用说明:

- · 日期章与模具呈顺配安装, 用拇指用力按入即可, 使用 无头螺丝将日期章固定:
- 调整内镶件时不能无限制顺时针调整:
- ·如右图所示,用螺丝刀顺时针方向旋转内镶件装入内镶 件, 逆时针方向旋转拆除内镶件。(请使用专用螺丝刀调 整,详见 📭 P927)

- · Date stamps and mold need install clockwise with pressing by thumb, fix at back side with headless screw. · Inner inserts are not be adjusted unlimitedly.
- · As right picture inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page "P927")



日期章 🛶 Date Stamps

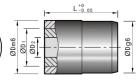
专利号:ZL 2008 2 0095940.3

FFD









- 1.此种型号日期章由12组月份和6组年份组成,节约成本,更有效地利用使用空间,寿命更长,效率更高;
- 2.顺时针方向旋转内镶件可调整箭头所指示年份,逆时针方向旋转内镶件可调整箭头指示月份,且调整时 内镶件无凹凸现象; (请使用专用螺丝刀调整,详见 🖾 P927)
- 3.内部采用波珠及分度凹槽结构定位,指示更精准;
- 4.也可以雕刻年、月、日。

Features:

- 1. This type of date stamps is consist of twelve months and six groups years, cost reduction, more effectively to make use of the room and long lifespan.
- 2.Rotate inner insert clockwise to adjust arrows to indicate years, rotate anticlockwise to indicate the months, without Bump phenomenon. (use specified screwdriver to adjust, see page "P927")
- 3. Adopt ball plug and degrees groove to locate, Indicates a more accurate.
- 4.can carve with year, month, day,

器 FFD-080512 ■ 材质:S136 ■ 研磨:50-55HRC

	17) /yc. 0 100 W /x /x. c	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
12月+年 12Months+Year	空白 Blank					@¥/P
FFD-080512	FFD-080500	8	5.5			
FFD-100612	FFD-100600	10	6	3	20	
FFD-120812	FFD-120800	12	8	4	20	
FFD-161012	FFD-161000	16	10.5	5.3		

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code



安装使用说明:

- ·日期章与模呈紧配安装,用胶锤将日期章轻轻敲入孔内;(注意如孔过小可能导致内镶件无法旋转)
- ·整体式,内镶件不可更换;

Installation Guidelines:

- · Install for date stamps and mold to interwork, Strike date stamps into hole with Rubber hammer.
- (small hole will stop the inner insert to rotate)
- · A whole one, inner inset can not be replaceable.

顺时针旋转调整年份 turn clockwise to adjust the years 旋动 clockwise



$L \pm 0.02$ \approx 0.6 x l 压缩弹簧 主体 数字面 日(十位) 絲头 年月 日(个位)

FFOR

🚢 日期章 Date Stamps

FFOB



产品特点:

FFYM

FFOM

OOON YYON

箭头

1.结构简单, 安装方便:

2.可正面更换内镶件,不需拆模, 方便简单。

Features:

FFOS

1. Simple structure, easy install.

FFOD

2. Inner insert can be replaceable from front, No need disassemble mold.simple and convenient.

FFOB

🕿 Order	FFOB-6	■ 材质:S136	₩ 硬度:50-55HRC
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FFOY

月 Months	年月 Year&Months	年 Year	日(个位) Days(1st digit)	日(十位) Days(2nd digit)	日 Days	D		F	@¥/P
						6	8	3.1	
						8	10	4.4	
FFOM	FFYM	FFOY	FFOR	FFOS	FFOD	10	12	5.2	
						12	14	6.2	
						16	14	8.2	
						20	16	11	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code

装卸示意图: Diagram of install and tear down:

内镶件使用示意图: Disassemble chart for inner insert :





顶出 Drive out





Disassemble

🦳 安装使用说明:

- 用橡胶锤将日期章轻轻敲入孔内, 如孔过小可能导致内 镶件无法旋转; (注:安装主体前请先拆除内镶件或将内 镶件调低于主体。如需拆卸整个日期章,请在安装前预 留从模板背面顶出的工艺孔)
- · 如右图所示, 用螺丝刀顺时针方向旋转内镶件装入内镶 件, 逆时针方向旋转拆除内镶件; (请使用专用螺丝刀调 整,详见103 P927)
- · 调整日期塑料面会出现凹凸现象。

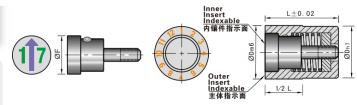
- · Strike date stamps into hole with Rubber hammer. (small hole will stop the inner from rotate.(tear down inner insert before install, if need tear down the whole date stamps need keep the hole which is drive out by back side before install)
- · As right picture, inner insert to install clockwise and tear down anticlockwise. (use specified screwdriver to adjust, see page "P927")
- · When adjusting, the inner inserts are not smooth enough.

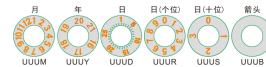


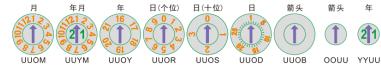
日期章 🕮 Date Stamps

uuoi









产品特点:

- 1.可正面换芯,不需拆模,方便简单;
- 2.调弹簧加波珠双重结构确保指示精准;
- 3.调整时无凹凸现象。(请使用专用螺丝刀调整, 详见 □ P927)

Features

- 1. Indexable and front removable, without tearing down mold, simple and convenient.
- 2. The arrows indicate its digits exactly, with the springs and ball.
- 3. Easily and smoothly adjustable inner insert that is removable using a screwdriver.

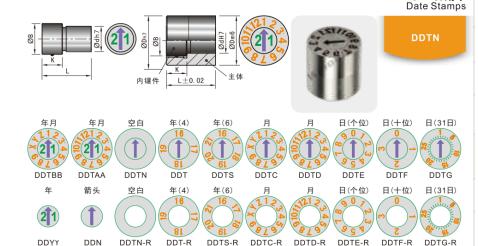
☎Order UUOB-6 M材质:S136 H硬度:50-55HRC

年月 Year&Months	月 Months	年 Year	日 Days	日(个位) Days(1st digit)	日(十位) Days(2nddigit)	空白 Blank	年 Year	箭头 Arrow	月 Months
UUYM- 6	UUOM- 6	UUOY- 6		UUOR- 6	UUOS- 6	UUOB- 6	YYUU- 6	OOUU- 6	UUUM- 6
UUYM- 8	UUOM- 8	UUOY- 8		UUOR- 8	UUOS- 8	UUOB- 8	YYUU- 8	OOUU- 8	UUUM- 8
UUYM-10	UUOM-10	UUOY-10	-	UUOR-10	UUOS-10	UUOB-10	YYUU-10	OOUU-10	UUUM-10
UUYM-12	UUOM-12	UUOY-12		UUOR-12	UUOS-12	UUOB-12	YYUU-12	OOUU-12	UUUM-12
UUYM-16	UUOM-16	UUOY-16	UUOD-16	UUOR-16	UUOS-16	UUOB-16	YYUU-16	OOUU-16	UUUM-16
UUYM-20	UUOM-20	UUOY-20	UUOD-20	UUOR-20	UUOS-20	UUOB-20	YYUU-20	OOUU-20	UUUM-20

	年 Year	日 Days	日(个位) Days(1st digit)	日(十位) Days(2nddgit)	空白 Blank	Dia	D	L	F	@¥/P
	UUUY- 6		UUUR- 6	UUUS- 6	UUUB- 6	6	6	8	3.7	
П	UUUY- 8		UUUR- 8	UUUS- 8	UUUB- 8	8	8	10	5	
	UUUY-10		UUUR-10	UUUS-10	UUUB-10	10	10	12	6.3	
	UUUY-12		UUUR-12	UUUS-12	UUUB-12	12	12	14	7.5	
П	UUUY-16	UUUD-16	UUUR-16	UUUS-16	UUUB-16	16	16	14	11	
П	UUUY-20	UUUD-20	UUUR-20	UUUS-20	UUUB-20	20	20	16	13.2	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code.

日期章



产品特点:

- 1.内镶件可实现互换功能,节约成本;
- 2.采用波珠结构,指示更精准;
- 3.调节时内件不会出现凹凸现象。(请使用专用螺丝刀调整,详见 🖙 P927

eatures:

- 1. Inner inserts can be replaceable, cost reduction.
- 2. Adopt ball plug structure, Indicates a more accurate.
- 3. When adjusting, the inner inserts are smooth enough. (use specified screwdriver to adjust, see page "P927")

☎Order DDTN-4 M 材质:S136 H 硬度:50-55HRC

日(十位) Days(2nd digit)	日 Days	空白 Blank	年 Year	空白 Blank	年月 Year&Months	年月 Year&Months	4年度型 4Years	6年度型 6Years
DDTF 4		DDTN 4	DDYY 4	DDN 4	DDTAA 4	DDTBB 4	DDT 4	DDTS 4
DDTF 5		DDTN 5	DDYY 5	DDN 5	DDTAA 5	DDTBB 5	DDT 5	DDTS 5
DDTF 6		DDTN 6	DDYY 6	DDN 6	DDTAA 6	DDTBB 6	DDT 6	DDTS 6
DDTF 8		DDTN 8	DDYY 8	DDN 8	DDTAA 8	DDTBB 8	DDT 8	DDTS 8
DDTF10		DDTN10	DDYY10	DDN10	DDTAA10	DDTBB10	DDT10	DDTS10
DDTF16	DDTG16	DDTN16	DDYY16	DDN16	DDTAA16	DDTBB16	DDT16	DDTS16
DDTF20	DDTG20	DDTN20	DDYY20	DDN20	DDTAA20	DDTBB20	DDT20	DDTS20

月 Months	月 Months	日(个位) Days(1st digit)	D	ia	D	d	L	@¥/P
DDTC 4	DDTD 4	DDTE 4	4	1.9	4	1.9		
DDTC 5	DDTD 5	DDTE 5	5	2.3	5	2.3	8	
DDTC 6	DDTD 6	DDTE 6	6	2.8	6	2.8		
DDTC 8	DDTD 8	DDTE 8	8	4	8	4	10	
DDTC10	DDTD10	DDTE10	10	5	10	5	12	
DDTC16	DDTD16	DDTE16	16	10	16	10	14	
DDTC20	DDTD20	DDTE20	20	12	20	12	16	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code.



安装使用说明

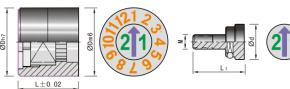
- 日期章与模呈紧配安装,用胶锤将日期章轻轻敲入孔内; (注意如孔过小可能导致内镶件无法旋转)
- 内镶件不可正面更换,需拆模更换。

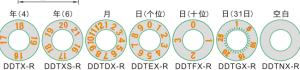
- Install for date stamps and mold to interwork, Strike date stamps into hole with Rubber hammer. (small hole will stop the inner insert to rotate)
- · Inner insert can be not replaceable from front, need to tear down mold to replace another.

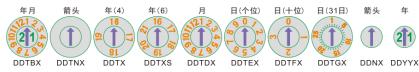


日期章 👑 Date Stamps









产品特点:

TO-der DOTNIVE

- 1.内镶件可正面更换,不需拆模, 方便简单;
- 2.采用波珠结构,指示更精准;
- 3.调节时内件不会出现凹凸现象。

Features:

- 1. Inner insert can be replaceable from front, no need to tear down mold, sample and convenient.
- 2. Adopt ball plug structure, Indicates a more accurate.
- 3. When adjusting, the inner inserts are smooth enough. (use specified screwdriver to adjust, see page "P927")

-	Order DD1	NX-6	■材质:5	136	更度:50-50	HRC				
		D	m6	Di						@¥/P
Г	4	4		4				2.4		
	5	5	+0.012 +0.004	5	0 -0.012	8	7.7	2.9	M1.6×0.20	
	6	6	10.004	6	0.012			3.7		
	8	8	+0.015	8	0	10	9.7	5	M2.3×0.25	
	10	10	+0.006	10	-0.015	12	11.7	6.3	M2.5×0.35	
	12	12	+0.018	12	0	14	13.7	7.5	M3.0×0.35	
	16	16	+0.007	16	-0.018	14	10.7	11	M4.0×0.35	
	20	20	+0.021/+0.008	20	0/-0.021	16	15.7	13.2	IVI-1.0^0.00	

订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code

四₩ 年,0126 **回** 研 亩,50 55 UDO







图2:拆卸 Disassemble

安装使用说明:

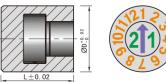
- ·日期章与模呈紧配安装,用胶锤将日期章轻轻敲入孔内; (注意如孔 过小可能导致内镶件无法旋转)
- ·如图所示,用螺丝刀顺时针方向旋转内镶件装入内镶件,逆时针方向 旋转拆除内镶件
- ·用螺丝刀顺时针方向旋转内镶件调整月份。(请使用专用螺丝刀调整, 详见 📭 P927)。

Installation Guidelines:

- · Install for date stamps and mold to interwork, Strike date stamps into hole with Rubber hammer. (small hole will stop the inner insert to rotate)
- · As right picture, inner insert to install clockwise and tear down
- · Rotate clockwise inner insert to adjust months with screwdriver. (use specified screwdriver to adjust, see page "P927")

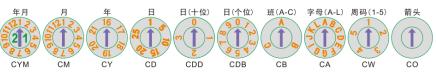
₩₩₩ 日期章

Date Stamps









产品特点:

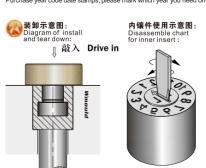
1.整体式不可换芯;

2.内设波珠结构,准确指示日期。

- 1.A whole one, can be not replaceable.
- 2. The arrows indicate its digits exactly with its excellent inner ball bearing structure.

Order C	O-6-10	M 材质:S136	₩ 硬度:50-	-55HRC					
年月 Year&Months	月 Months	年 Year	日 Days	十位 2nd digit	个位 1st digit	班 Shift	字母 Letters	直径-长度 Diameter-Length	@¥/P
CYM 4- 6	CM 4- 6	CY 4- 6		CDD 4- 6	CDB 4- 6	CB 4- 6	CA 4- 6	4- 6	
CYM 4- 8	CM 4- 8	CY 4- 8		CDD 4- 8	CDB 4- 8	CB 4- 8	CA 4- 8	4- 8	
CYM 5- 8	CM 5- 8	CY 5- 8	CD 5- 8	CDD 5- 8	CDB 5- 8	CB 5- 8	CA 5- 8	5- 8	
CYM 6- 8	CM 6- 8	CY 6- 8	CD 6- 8	CDD 6- 8	CDB 6- 8	CB 6- 8	CA 6- 8	6-8	
CYM 6-10	CM 6-10	CY 6-10	CD 6-10	CDD 6-10	CDB 6-10	CB 6-10	CA 6-10	6-10	
CYM 8-10	CM 8-10	CY 8-10	CD 8-10	CDD 8-10	CDB 8-10	CB 8-10	CA 8-10	8-10	
CYM10-10	CM10-10	CY10-10	CD10-10	CDD10-10	CDB10-10	CB10-10	CA10-10	10-10	
CYM10-12	CM10-12	CY10-12	CD10-12	CDD10-12	CDB10-12	CB10-12	CA10-12	10-12	
CYM12-12	CM12-12	CY12-12	CD12-12	CDD12-12	CDB12-12	CB12-12	CA12-12	12-12	
CYM12-14	CM12-14	CY12-14	CD12-14	CDD12-14	CDB12-14	CB12-14	CA12-14	12-14	
CYM16-14	CM16-14	CY16-14	CD16-14	CDD16-14	CDB16-14	CB16-14	CA16-14	16-14	
CYM20-14	CM20-14	CY20-14	CD20-14	CDD20-14	CDB20-14	CB20-14	CA20-14	20-14	
CYM20-16	CM20-16	CY20-16	CD20-16	CDD20-16	CDB20-16	CB20-16	CA20-16	20-16	

CD20-16 订购年码章时,请在型号后加注需要的起始年份,若订购年月合并码章时,请在型号后加注需要的年份 Purchase year code date stamps, please mark which year you need on end code



顶出 Drive out

安装使用说明:

- ·用橡胶锤将日期章轻轻敲入孔内,如孔过小可能导致内 镶件无法旋转;(注:如需拆卸日期章时,请在安装前预 留从模板背面顶出的工艺孔:
- 如右图所示,用螺丝刀顺或逆时针方向旋转内镶件调整 箭头指向所需的月份。(请使用专用螺丝刀调整,▮毫详见 P927)

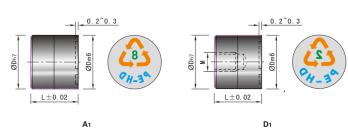
- · Strike date stamps into hole with Rubber hammer. (small hole will stop the inner from rotate. (tear down inner insert before install, if need tear down the whole date stamps need keep the hole which is drive out by back side before install)
- As right picture rotate clockwise and t anticlockwise inner insert to adjust the arrows to indicate the months. (use specified screwdriver to adjust, see page "P927")



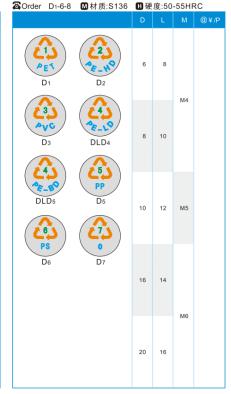
环保章 👑 🚢 Recycling insert



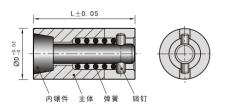




Order	A1-6-8	™ 材质:S136	■硬度:	50-55HF	RC
					@¥/P
A		A2	6	8	
A	13	A4	8	10	
P	P 15	PS A6	10	12	
Ori A	17	8 A8			
A A	19	A10	16	14	
			20	16	



444441气顶





产品特点:

1.主体、内镶件采用不锈钢材质, 绝不生锈; 2.能较好的解决啤塑过程中产生真空问题; 3.代替顶针或辅助产品脱模;

Features:

- 1. Body and valves are manufactured completely from stainless steel, Excellent rust resistance. 2.An effective method of release the vacuum created
- during plastic injection molding.
- 3. To substitute ejector pins or other ejector parts for diemould.

Crder AJV-D	M 材质:S136 Ⅱ 硬度:50-55HRC		
Code	ØD		@¥/P
	8	15	
	10	20	
	12	25	
AJV	16		
	20	30	
	25	30	
	30		



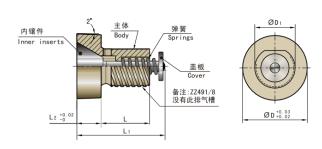
WA-0-000212 W 初版,6100 W 版及,600-00111K0							
Code				@¥/P			
VVA-C-065	212	6					
VVA-C-086	512	8	40				
VVA-C-100	812	10	12				
VVA-C-121	012	12					
VVA-C-161	320	16	20				
VVA-C-201	720	20	20				



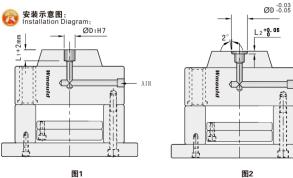








Corder ZZ491	-8 M材质:	詖铜+不锈钢					
Code					L2	max.°C	@¥/P
ZZ491- 8	8	6	8	16	-		
ZZ491-12	12	8	13	21	5	250	
77401 16	16	10	12	22	6		



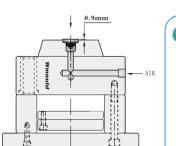
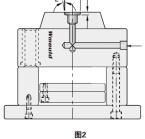


图3

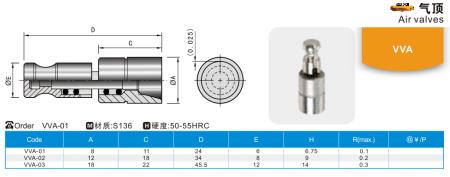


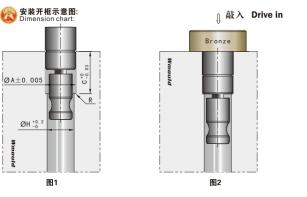
安装使用说明:

- · 先钻孔后用铰刀铰准直径;
- ·放电或铰刀铰准孔斜度及深度(与实物配做);
- ・放入气顶后高出约0.9mm;
- ·用胶棒打入使气顶斜面与孔斜面紧配。

Installation Guidelines:

- · Drill holes for air supply, drill and ream guide bore for special
- · Machine tapered counter bore using EDM or reamer for
- receiving air valves.(match with concrete objects)
- · When placing Z491 loosely into receiving bore it will protrude approx 0.9mm above the contour surface.
- After pressing it into home position, the valves is secured against any extreme operation condition.







▲Order PPV-025 W的版:S	5136 山 便度:50-55HRC		
Code			@¥/P
PPV-025	0.52	6.36	
PPV-037	9.53	9.54	
PPV-050	12.7	12.7	
PPV-075	19.05	19.06	
PPV-100	25.4	25.41	
PPV-150	38.1	38.12	

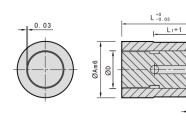
20-4-- DDV 005 **四**廿年,0406 **回**研查,50 55UD0



气阀 🚢 Double valves

VVI

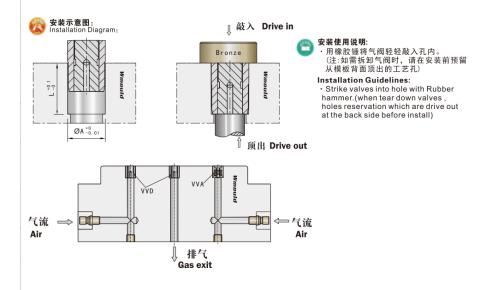




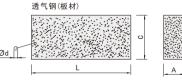
CH. 2x10

- 1.具有较好的排气功能;
- 2.合理的解决啤塑过程中形成真空的问题。
- 1. An effective method of semi pneumatic ejection
- 2. For tools with ribs or areas forming gas traps or vaccum condition.

☎ Order VVD-080512	М材质:S136	Ⅱ 硬度:50-55HRC			
Code					@¥/P
VVD-080512	8	5			
VVD-100612	10	6	12	7	
VVD-120812	12	8			



透气钢/透气针 Ventilate steel / Ventilate pin





PPM35

☎Order PPM35-A-C-L

A COUNTY OF THE							
Code			d(nom)	@ ¥ /P			
Code			u(mm)				
DD1105 7	72	104	0.007				
PPM35-7-	104	147	0.007	50-30			
PPM35-7- (側边红漆) PPM35-20-	50	50	0.02	50-30			
FFW33-20-	75	75	0.02				

透气针(棒材)







Crder PPM35-7-8

Cidei FFW33-7-0				
Code	D +0.015	L +2	d(mm)	@ ¥ /P
PPM35-7- 8	8			
PPM35-7-10	10		0.005	
PPM35-7-12	12	150	0.025 0.035	
PPM35-7-16	16			
DDM35-7-20	20			

空孔率	约25%
密度	6.0-6.2g/cm ³
线膨胀系数 (20-150℃)	12.0–12.5 × 10 ⁻⁶ ℃
热传导率(室温)	30–33 W/(m · k)
弯曲强度(Kgf/mm)	70–75
拉力强度(Kgf/mm)	40–45
高速钢工具加工性	良好

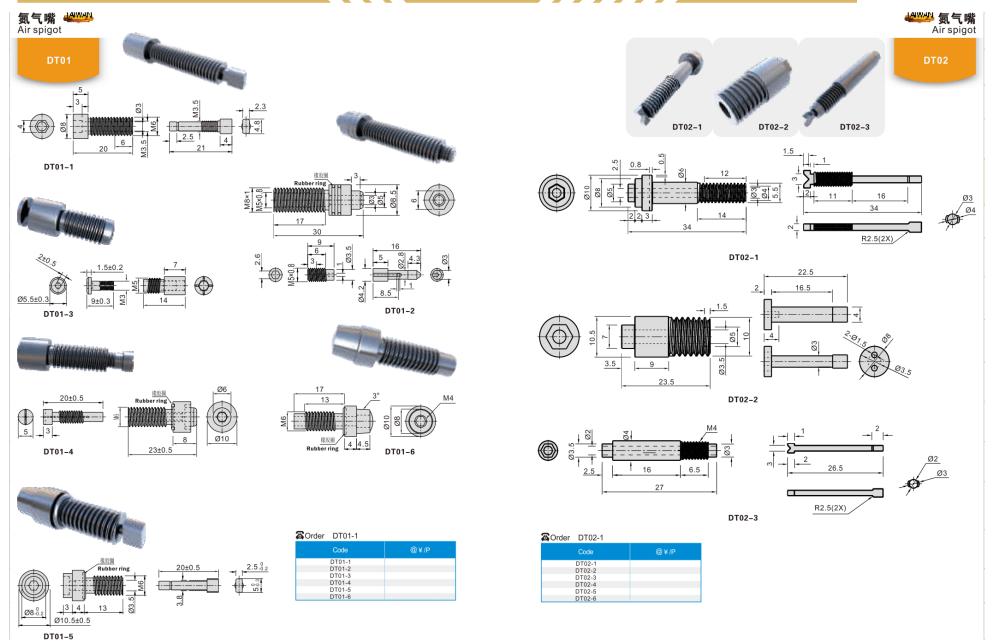
特长

- 消除烧焦痕
- ・清除充填不足
- 消除塑胶熔接线
- 降低射出压力
- 清除排气不良
- ・防止毛边产生
- 消除产品纹痕
- ・模具设计简单化
- 细纹转纹性佳
- 透气孔无方向性

注意:

- ·非上述库存板厚需求时,请指定板厚(A)×212×297购买之;
- B和C因每批母材尺寸变动影响,订购前请和公司销售商员确认;
- ·透气金属表面以放电加工或蚀刻加工或镜面加工后,以#800番或更细砂纸,或油石抛光,即产生透气性;
- 不适用于热硬化性树脂及橡胶;
- ·不适用于透明和镜面成品成型;
- ·射出成型作业中,若透气性不佳时以洗净剂(酮等)涂布后,待5-10分钟×2次以上,再以压缩空气0.3-0.5MPa的压力降洗净剂和树脂堵塞物吹离。



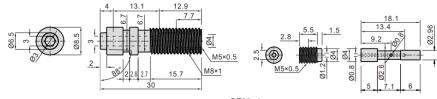




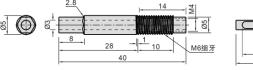
氨气嘴 WWW Air spigot

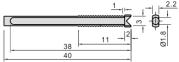
DT02



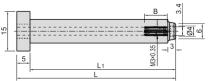


DT02-4

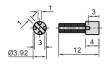




DT02-5







DT02-6

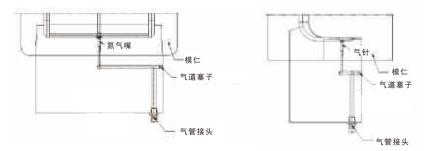
過過過 氦气嘴 Air spigot



加工注意事项:

- 1.参考图示加工;
- 2.安装孔需保证表面粗糙度Ra0.8;
- 3.为保证螺纹孔与气针孔的同轴度,不允许用手动攻牙;
- 4.安装孔加工完毕后,须用气枪及火花油对孔进行彻底清洁,须保证 气孔内无油渍、铁屑及其他异物,以避免氮气充入时异物堵塞氮气嘴, 造成氮气嘴损坏而影响成型。

使用例子:



气道塞子使用注意事项:

因使用氮气成型时氮气压力为350bar,相当于大气压力350Kg/cm2,气道塞子不允许用铜堵,必须攻牙使用气道塞子。

产品专利 PATENT CERTIFICATE



专利号: ZL 2012 2 0020121.9 型号: ZZ163 ZZ164 P399

产品特点:

- ●此装置作用为在合模前先将顶针板完全复位,从而防止模具损坏;
- 根据安装方法不同, 可作为复位机构或二次顶出机构使用, 适用更广泛
- ●内部安装,可避免与模具外部安装零件及水路冲突。



专利号: ZL 2011 2 0126437.1

型号: ZZ085 P650



产品特点:

● 拥有相同的高精度公差。通过高精度公差可以确保对模板或顶出板在注键模型和压塑模型由进行棒确可靠的导向和中心实位

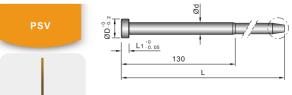
热流道系列 Hot Runner Series

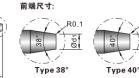


WYHB ECO CO.,LTD









Code	Gate Ø 浇口大小	Ød1	Ød	ØD	
	1.2	0.9			
M19	1.5	1.2	4	7	4
	2.0	1.7			
	1.5	2.2			
M26	2.0	2.7	4	7	4
	2.5	3.2			
	2.5	2.2	6	9	4
M36	3.0	2.7			
INIOO	3.5	3.2			
	4.0	3.7			
	4.0	3.7		15	
	5.0	4.7			
M44	6.0	5.7	10		6
	7.0	6.7			
	8.0	7.7			

Order	PSV	Type	40'

Code	Gate Ø 浇口大小	Ød1	Ød	ØD		
	2.5	2.2				
M36	3.0	2.7	6	9	4	
14100	3.5	3.2	·	J	,	
	4.0	3.7				
	4.0	3.7		15	6	
	5.0	4.7				
M44	6.0	5.7	10			
	7.0	6.7				
	8.0	7.7				
orbo A.L. New A	**************************************					

40度的阀针应用于油缸或是产品浇口是斜面的情况 40 Type Valve pin will only be used for hydraulic cylinder and for the product with slanted surface

在使用油缸的情况下,型腔板的硬度必须大于HRC35 In case of hydraulic cylinder, hardness of cavity plate must be more than HRC35

阀针长度计算公式: How to calculate the length of valve pin:

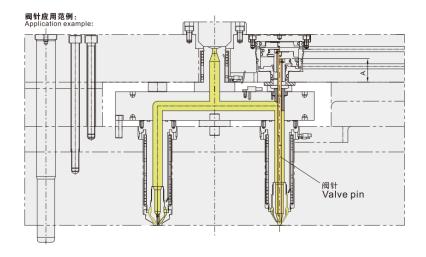
型腔板厚度+热咀固定板厚度+分流板支撑板厚度+A+允许加长1mm(适用于气动)+变形量0.5mm

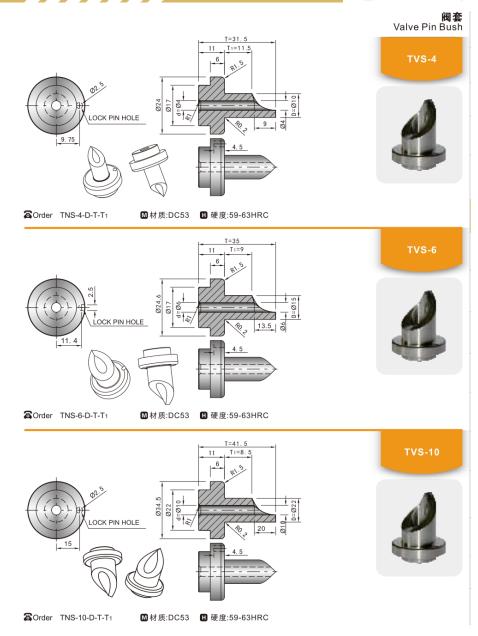
Cavity Plate Thickness+Holding Plate Thickness+Spacer Plate Thickness

+A+Allowance in Valve Pin length 1mm(only in Case of Pneumatic)+Pin Protrusion 0.5mm

在使用油缸的情况下, 阀针长度不允许增加

In case of hydraulic cylinder, No allowance in Valve Pin length will be added





热流道 Hot runner series





外活塞 Outer pistion



气缸盖

内活塞 Inner pistion

气缸缸体 Air Cylinder body

阅套 Valve Pin Bush

阀针 Valve Pin

Air Cylinder cover



气缸缸体 Air Cylinder body



内活塞





- ●可配多套模具,只需要更换A、B板及底座;
- ●易设计,省安装,降低做模投资成本;
- ●热半模材料一般模使用P20;
- ●每块范本可要求独立互配互换;
- ●整套热半模装配交给客户后便可即刻使用;

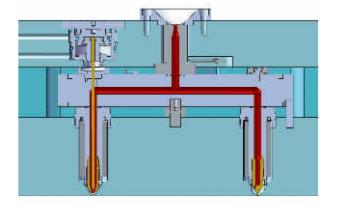
可为客户制造整套热半模系统,能完全解决热流道安装在模架上的各种难题, 使热流道系统和模架之间的配合更完善, 大幅度的简化制造模具流程, 优化组装时间, 并进一步为客户使用热流道系统提供了更方便、更快捷的优质服务。



- 每个系列热咀超过十个型号可供选择;
- 可提供单头及多头热咀;
- ➡ 开放式&针阀式;
- 合适的感温线位置及加热圈排布,保证热咀最佳的温度平衡;
- 从通用塑料到工程塑料,我们提供相对应的解决方案;
- 热咀长度按照客户要求制造;



热流道结构:



M系列产品特点 M Series product features

热流道产品系列:





开放式热流道系统



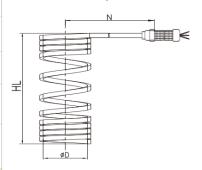
针阀式热流道系统

热流道 Hotrunner series

(III) YHB ECO CO.,LTD

发热圈 & 感温线

Heater & Thermocouple



How to read Herter Code 发热圈型号标示

MHT 19 05

Heater Length50 发热圈长度50

Nozzle Size Ø19 热阻尺寸Ø19

M Series Tube Heater M系列发热圈

Jnit: mm	单位:	亳米

			OTHE. ITHI	十四、毛小
Heater Code 发热圈型号	ØD 直径	HL 长度	N 长度	Watts 功率
MHT1903		30		250
MHT1904		40		230
MHT1905		50		320
MHT1906		60		320
MHT1907		70		370
MHT1908	19	80	75	3/0
MHT1909	19	90	/5	
MHT1910		100]	450
MHT1911		110]	450
MHT1912		120		
MHT1913		130		600
MHT1914		140	1	600

- -Heater length is standardized in increments of 10mm
- -Heater length is standardized from min30mm to max140mm

			Unit: mm	单位:毫米
Heater Code 发热圈型号	ØD 直径	HL 长度	N 长度	Watts 功率
MHT3604		40		
MHT3605		50		700
MHT3606		60		
MHT3607	36	70		850
MHT3608		80		
MHT3609		90	85	1000
MHT3610	36	100	65	
MHT3611		110		
MHT3612		120		
MHT3613		130		1200
MHT3614		140		
MHT3615		150		

- -Heater length is standardized in increments of 10mm
- -Heater length is standardized from min40mm to max260mm

ι	Jnit:	mm	単位:	毫

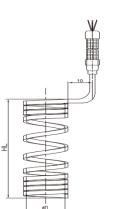
Heater Code 发热圈型号	ØD 直径	HL 长度	N 长度	Watts 功率
MHT2603	且任	30	以皮	370
MHT2604	1	40		450
MHT2605		50		600
MHT2606		60		700
MHT2607		70		700
MHT2608	26	80	75	
MHT2609	20	90	,,,	850
MHT2610		100		
MHT2611		110		
MHT2612		120		1000
MHT2613		130		1000
MHT2614		140		

- -Heater length is standardized in increments of 10mm
- -Heater length is standardized from min30mm to max170mm

			Unit: mm	单位: 毫米
Heater Code 发热圈型号	ØD 直径	HL 长度	N 长度	Watts 功率
MHT4404		40		
MHT4405		50	1	850
MHT4406		60	l	
MHT4407		70		
MHT4408	26	80		1000
MHT4409		90	85	1000
MHT4410	26	100	05	
MHT4411		110		
MHT4412		120	1	
MHT4413		130		1200
MHT4414		140]	
MHT4415		150	l	

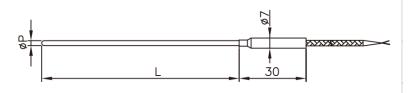
- -Heater length is standardized in increments of 10mm
- -Heater length is standardized from min40mm to max250mm

发热圈 & 感温线 Heater & Thermocouple

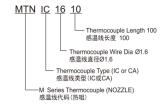


		Unit: mm	单位: 毫米
Heater Code 发热圈型号	ØD 直径	HL 长度	Watts 功率
MHT3616-2		160	
MHT3621-2	36	210	1200
MHT3626-2		260	
MHT4415-2		150	
MHT4420-2	44	200	1200
MHT4425-2		250	

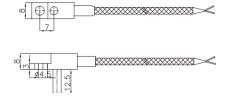
Thermocouple 感温线



How to read Thermocouple Code T/C 感温线型号标示



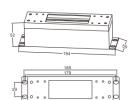
			l	Init: mm 🛔	单位: 毫米
THERMOCOUPLE 感温线型号	ØP 直径	L 长度	THERMOCOUPLE 感温线型号	ØP 直径	L 长度
MTN(IC.CA)1604		40	MTN(IC.CA)1610		100
MTN(IC.CA)1605		50	MTN(IC.CA)1611		110
MTN(IC.CA)1606	1.6	60	MTN(IC.CA)1612	1.6	120
MTN(IC.CA)1607	1.6	70	MTN(IC.CA)1613	1.6	130
MTN(IC.CA)1608		80	MTN(IC.CA)1614		140
MTN(IC.CA)1609		90	MTN(IC.CA)1615		150



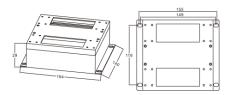


接线盒 Connecting Boxes

FOR OPEN SYSTEMS 开放式系统使用

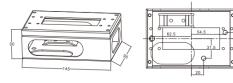


MODEL 型号	CONNECTOR MODEL 连接器型号
OCB161	CNS-161
OCB241	CNS-241

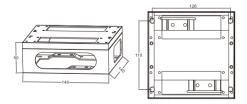


MODEL 型号	CONNECTOR MODEL 连接器型号
OCB162	CNS-161
OCB242	CNS-241

FOR VALVE SYSTEMS 针阀式系统使用



MODEL 型号	CONNECTOR MODEL 连接器型号
TCBAV161	CNS-161/SOL-01
TCBAV241	CNS-241/SOL-01



MODEL	CONNECTOR MODEL
型号	连接器型号
TCBAV162	CNS-161/SOL-01
TCBAV242	CNS-241/SOL-01

S系列产品特点 S Series product features

- ➡ 针对小型,精密产品模具所设计开发,每个重从0.1克到100克;
- ▶ 拥有三个系列热咀可供选择(S13, S19, S26),每个 系列热咀有6个型号可供选择;
- 热阻加热有嵌入式、弹簧式、铜套式多种方式
- 可应用在LCP, PEEK及等复杂工程塑胶领域;
- ▶ 浇口最小间距可达18MM
- → 开放式&针阀式



点浇口







应用案例:



热流道 Hotrunner series

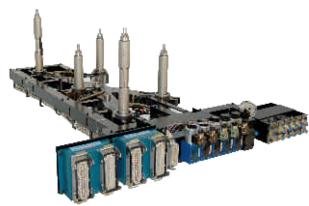
WYHB ECO CO.,LTD

A系列产品特点

A Series product features

- ➡ 针对汽车产业及大型模具所设计开发,全套整体式结构,减少漏胶的可能性;
- ▶ 整套系统组装,测试合格后提供给客户,可直接安装在模具上,减少热流道组装时间;
- ▶ 拥有两个系列热咀可供选择(A36, A44),每个系列热阻超过十个型号可供选择;
- 系统的过滤设计,减少杂物对热流道正常使用的损害;汽动式&油压式
- ≥ 温度与阀式浇口的顺序控制; 开放式&针阀式;





应用案例:



汽车仪表盘





汽车车门



汽车保险杠



汽车挡泥板



汽车格栅

温控器 Temperature Controller

TCS-300



技术参数:

- **●** 使用环境温度: 0℃-55℃ (32°F-131°F)
- 感测器种类:J型,K型
- **>>** 温控范围: 0℃-450℃ (32℃-860℃)
- 温度精确度: ±0.3%
- ⇒ 输入电压: 86-240V (50-60HZ) 15A
- ⇒ 输出功率(载荷): 100W-3000W(220V)



特点:

- ➡ 温控卡操作界面采用轻触按键与双行4位 LED显示方式,并配有三个LED指示灯显示设备运行状态
- ⇒操作简单, 控温精度高, 新用户可快速进入工作状态
- ➡ 温控卡采用国际通用的标准结构,更换方便,可与其它厂家的产品互换使用
- ⇒ 每一块温控卡的功能是相同的,因此是可以互换使用的。 方便用户检修及贮存备件
- ➡ 可设定K型、J型两种热电偶传感器信号,精确的温度非线性化处理与集成的冷端补偿
- ⇒ 控制模式为过零触发方式、PWM脉宽调节输出
- 論度设定与显示有摄氏度与华氏度两种方式
- ⇒ 热电偶断线报警功能, 热电偶断线自动保护
- ⇒ 热电偶接反报警功能, 热电偶接反自动保护
- ⇒ 加热圈开路报警功能,加热圈开路自动保护
- 可控硅击穿报警功能,
- ⇒ FUZYY+PID控制算法, PID参数具有可在 线自动整定与手动设定两种方式
- ➡ 配备热流道软启动加热方式, 软启动加热功率及加热时间可自由设定
- ➡系统除自动控制外、另外还配备有手动控制方式、用于特殊情况下的加热方式
- ⇒ 具有错接380V电压保护功能,确保温控卡安全

热流道 Hot runner series

温控器 Temperature Controller



技术参数:

使用环境温度: 0℃-55℃ (32℃-131℃)

控制工作模式:A/B两种工作模式

入电源: 单相AC220V (50-60HZ)

号输入电源: DC24V或AC220V

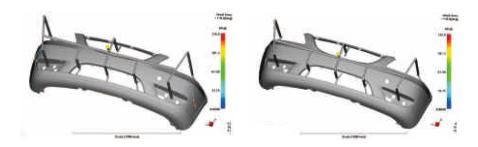
电磁阀输出电压: DC24V或AC220V

时序控制器应用于阀针式热流道系统;

使成型产品的熔接痕消除或者调整到不影响产品外观的位置;

通过对每一个浇口的注射量的调节,使填充达到平衡;

每个喷嘴的开启时间和关闭时间均可调整;



未使用时序控制器

使用时序控制器

顶出系列 **Ejector Series**



WYHB ECO CO.,LTD







Slide core units

VF/.../HB

Slide core units

P482 SSD





Slide core units

P485 CCI

Collapsible core

P485 DDT

Helical spindle

P486 ZZ1500

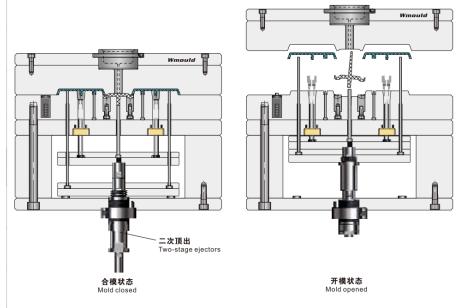




产品概述 Products Summary

产品概述:

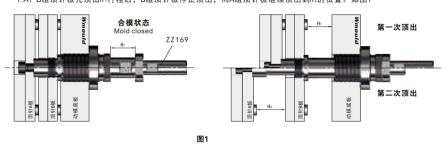
·一般情况下,成型产品从模具中取出时,无论是采用单一或是多元件的顶出机构,都是一次性完成全部顶出动作。 但是, 当产品形状特殊或批量生产时, 如果在一次顶出后, 成型产品依然在模穴中, 或者无法自动脱落时, 此 时就需要使用二次顶出机构来实现脱模。



·二次顶出安装举例说明:

例1: 外安装型

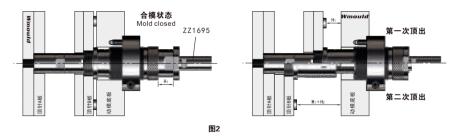
1.A、B组顶针板先顶出H1行程后,B组顶针板停止顶出,而A组顶针板继续顶出到H2的位置。如图1



产品概述 Products Summary

例2: 外安装型

2.A、B组顶针板先顶出H1行程后, A组顶针板停止顶出, 而B组顶针板继续顶出到H1+H2的位置。如图2



产品特点:

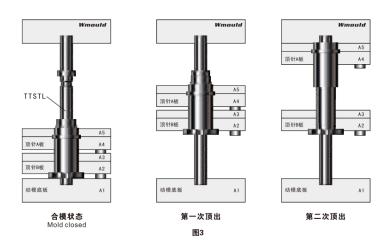
此种顶出机构一般每套模具只需安装一套,安装于动模板中心位置上(如上图),只需在安装模板上加工安装孔 或安装螺纹便可轻松完成安装。

注意事项:

所有安装孔均须垂直于分型面并且同心。

例3: 内安装型

1.A、B组顶针板先顶出一段行程后,B组顶针板停止顶出,而A组顶针板继续顶出。如图3

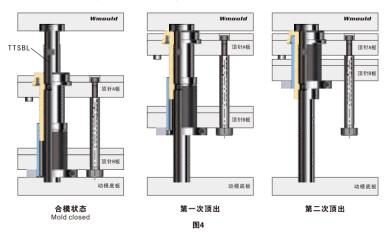




产品概述 Products Summary

例4: 内安装型

2. A、B组顶针板先顶出一段行程后, A组顶针板停止顶出, 而B组顶针板继续顶出。如图4



产品特点:

内部安装,可避免与外部安装零件的冲突,节约空间,可避免模具在运输的过程中因意外碰撞损坏。

每套模具至少使用两套或以上并且对称安装, 所有安装孔均须垂直于分型面并且同心。

H1: 第一次顶出行程 H2: 第二次顶出行程

图示	₩ म ।	H	1 1	H	12	Code	页码
图示	类型	Min	Max	Min	Max	Code	贝吗
		8	82	12	82	TTSBL-20A	
	例3	10	92	18	92	TTSBL-26A	P383
	د اردا	12	102	24	102	TTSBL-32A] ' "
AISI							
_ =		4	79	4	79	TTSTL-20A	
	例4	6	84	6	84	TTSTL-26A	P380
Marine State Control of the Control	1794	8	92	8	92	TTSTL-32A] ' 300
AISI							
		6	76	3	76	ZZ1697-16	
The state of the s	例3	8	96	4	96	ZZ1697-20	P367
<u> </u>	5,010	10	130	5	130	ZZ1697-26] '30'
DIN							
		-	42	-	48	DDX-142622	
	例3	-	54	-	80	DDX-163027	P378
DIN							

产品概述 Products Summary

H1:第一次顶出行程 H2:第二次顶出行程

	图示	类型	F	1	F	2	Code	页码	
	四小	大宝	Min	Max	Min	Max	Code	J. 1	
	-		5	30	3	50	ZZ169-16		
	-	例1	6	40	4	70	ZZ169-22	P35	
The same of the sa	1000	וניפו	7	50	4	70	ZZ169-30]	
DIN			7. 5	60	5	80	ZZ169-40		
			3	20	-	44	ZZ1691-13		
			4	30	-	65	ZZ1691-17		
Eur Star		例1	5	42	-	80	ZZ1691-22	P36	
-		1001	10	60	-	95	ZZ1691-30] ' "	
	100		14	86	-	130	ZZ1691-40		
DIN			18	110	-	180	ZZ1691-52		
			4	45	4	45	ZZ1692-25-45		
	-	例2	6	60	5	60	ZZ1692-32-60	P37	
		17114	8	80	6	80	ZZ1692-40-80] []	
DIN	and the same of th								
	See		6	48	4	36	ZZ1695-22		
		例2	8	60	5	50	ZZ1695-25	P363	
		19112	10	86	6	60	ZZ1695-32		
DIN	* *							1	
	_		- 30		-	50	EE1860-15		
8 W			-	40	-	62	EE1860-18	P373	
		例1	-	50	-	82	EE1860-25		
la de la companya de			-	71	-	110	EE1860-33	1	
DIN	100		-	100	-	160	EE1860-44	1	
			5	30	-	53	ZZ5085-16		
-		mia	10	40	-	72	ZZ5085-22	1,,,	
Her.		例1	10	40	-	84	ZZ5085-28	P36	
DIN			10	40	-	88	ZZ5085-37	1	
			-	40	-	40	LLR-061620		
		单组顶针板 实现二次顶 出功能。	-	40	-	40	LLR-081620	P37	
-	A CONTRACTOR OF THE PARTY OF TH	出功能。	-	40	-	40	LLR-101620	1	
DIN									
		功能也	模具的侧i 不相同。 次顶出机 ⁴ 能。		ZZ4系列	P38			

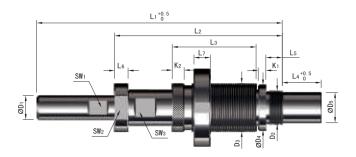


二次顶出 🛶

Two-stage ejectors

ZZ169





产品特点:

- 1.机械互锁设计,安全可靠;
- 2.顶杆采用表面高频处理,方便安装加工;
- 3.重要零件采用SKD11材质及优质热处理工艺,更耐磨;
- 4.产品表面增加涂层工艺, 高耐磨性能大大增加了二次顶出机构的使用寿命;
- 5.多种规格适用于不同大小的模具荷重要求。

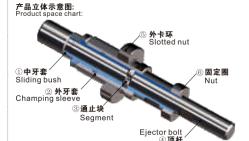
Features:

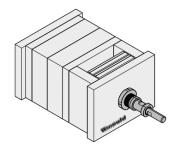
- 1. Interlocking mechanism design, safe and reliable.
- 2. The ejector bolt surface is processed with high-frequency treatment, easy to process and install.
- 3. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be
- 4. The surface with coating treatment, higher wear resistance creates longer lifespan.
- 5. Sizes are available for 4 different loading weights.

Crder 77169-16

Code		D 3	D4	D5	L1	L2	L3	L4	L5	L6	L7
ZZ169-16	M22×1	M32×1.5	30	20	164	112	56	26	11	0	11
ZZ169-22	M30×1.5	M42×1.5	40	28	220	148	75	36	16	9	12
ZZ169-30	M40×1.5	M60×1.5	50	38	255	170	80	45	21	11	13
ZZ169-40	M52×1.5	M70×1.5	65	50	270	200	98	45	22	12	14

Code	D1	K1	K2	Sw1	Sw2 Sw3			1 1	l F	12	@¥/P
Code		N N	N2	SWI	SW2	SW3	min.	max.	min.	max.	W # /P
ZZ169-16	16	5	8	13	28	20	5	30	3	50	
ZZ169-22	22	6	40	17	38	27	6	40	4	70	
ZZ169-30	30	7	10	24	55	38	7	50	4	70	
77169-40	40	8	14	32	65	46	7.5	60	5	80	





→ 二次顶出 Two-stage ejectors

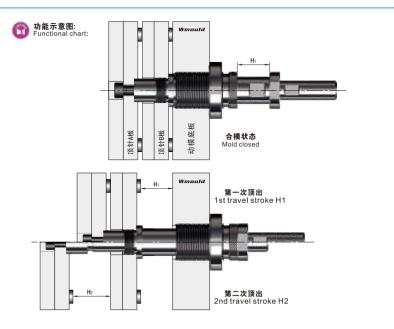
7///////

- ·首先在模板上加工安装孔,顶针A板上为螺丝过孔,顶针B板及动模底板为牙孔,牙孔加工尺寸请参考型 号分别对应的"D2、D3"值。为方便安装也可自行制作法兰固定;
- · 其次在二次顶出机构的顶杆头部加工一安装螺孔, 此安装螺孔与顶针B板螺丝过孔尺寸对应;
- ·将外牙套安装在动模底板上,中牙套安装在顶针B板上,顶杆头部用螺丝固定在顶针A板上;
- ·旋转外牙套,调节外牙套与底板(法兰)的相对位置即可在规定的范围内设定第一次顶出行程 "H1"的位 置,设定后再将外卡环紧固;
- ·可在顶杆的尾部攻内螺纹,以便与注塑机的中心顶杆相连接,型号不同,所配置的螺纹大小也不同;
- ·进行配合功能测试, 查看二次顶出机构各部位是否顺畅, 行程是否吻合。(建议在合模机或注塑机上测试,
- "固定圈"在组装时已经过加固处理,为保证顶出机构正常使用,在使用前后不可随意拆卸!
- ·需精准安装(一套模具上一般安装一个顶出装置),行程要计算准确,否则产品容易损坏。

Installation Guidelines:

- ·Firstly process through holes into A ejector plate, process srew holes into B ejector plate and champing plate (screw holes dimension refer to the ones need matched with D2, D3). Customer can also make
- Process one mounting hole in the top of the ejector rod, this mounting hole need match with the through
- Mount the champing sleeve 2 directly on the bottom of champing plate, screw the sliding bushing 1 into
- Adjust the position of champing sleeve ② directly of the blotton of champing plate, strew the shall glushing \(\text{of the clotton bolt} \) (and \(\text{A ejector plate} \).

 Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut \(\text{S} \).
- In order to connect with the central ejector bolt of the injection mold, it is available to thread the internal thread at the end of the ejector bolt. Different threads for different Two-stage ejectors.
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting
- ·The nut ⑥ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.





二次顶出 🚢

Two-stage ejectors







产品特点:

- 1.机械互锁设计,安全可靠;
- 2.产品表面增加涂层工艺,高耐磨性能大大增加了二次顶出机构的使用寿命。

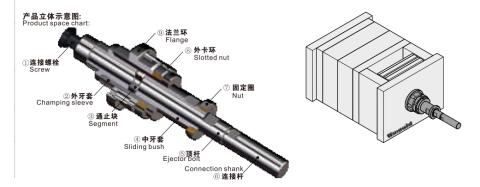
Fastura

- 1. Interlocking mechanism design, safe and reliable.
- 2. The surface with coating treatment. Higher wear resistance creates longer lifespan.

Corder ZZ1691-13

Code	D2			D6	D9	D11		D13	D14	B1	Sw1	Sw2	Sw3
ZZ1691-13	M20×1	M28×1.5	18.5	50	41.6	M 8×0.75	13.4	17.6	4.3	3.2	10	10	17
ZZ1691-17	M24×1.5	M35×1.25	22	60	48	M11×1	17.4	22	5.4	4	13	12	21
ZZ1691-22	M30×1.5	M45×1.5	28	75	61	M14×1	21	27	6.5	5	17	17	27
ZZ1691-30	M40×1.5	M60×1.5	38	100	82	M18×1	26	33	8.8	6	24	22	36
ZZ1691-40	M55×1.5	M75×1.5	52	125	104	M25×1.5	35	43	11	8	32	32	46
ZZ1691-52	M72×1.5	M98×2	69	150	128	M34×1.5	48	58	11	9	41	41	65

Code	D1	L1	L2	L3	L4	L5	L6	L7	L9	H1	H2 max.	@¥/P
ZZ1691-13	13	164	72	38.8	21	9	4	2.6	22	3- 20	44	
ZZ1691-17	17	228	110	63	21	12	5	3.5	25	4- 30	65	
ZZ1691-22	22	270	131	74	17	17	6	4	30	6- 42	80	
ZZ1691-30	30	340	166	89	27	17	7	5	38	10- 60	95	
ZZ1691-40	40	470	232	122	41	27	10	7	50	14- 86	130	
ZZ1691-52	52	583	295	155	51	21	15	11	60	18-110	180	



───── 二次顶出 Two-stage ejectors

安装使用说明:

7//////

- ·首先在模板上加工安装孔。顶针A板及动模底板为过孔,顶针B板加工牙孔,注意各安装孔必须同心并且垂直于分型面,动模底板需另外加工6个螺孔固定法兰用,具体加工尺寸请参"安装开框尺寸图":
- ·使用杯头螺丝将法兰环固定在动模底板上,可先预紧,待其它部件安装完成后再锁紧杯头螺丝;
- · 将外牙套旋入法兰环, 中牙套安装在顶针B板上, 顶杆头部用连接螺栓固定在顶针A板上;
- ·旋转外牙套,调节外牙套与法兰环的相对位置即可在规定的范围内设定第一次顶出行程"H1"的位置,设定后再将外卡环紧固:
- ·顶杆的尾部已攻内螺纹,以便与注塑机的中心顶杆相连接,也可使用连接杆连接。型号不同,所配置的螺纹大小也不同;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试,严禁使用品机)
- · "固定圈"在组装时已经过加固处理,为保证顶出机构正常使用,在使用前后不可随意拆卸!
- ·需精准安装(一套模具上一般安装一个顶出装置);行程要计算准确,否则产品容易损坏。

Installation Guidelines

Process through holes into A plate and champing plate, screw holes into B plate and 6 screw holes into champing plate (holes dimension refer to "Dimension chart"). Please note that all holes should be homocentric and perpendicular to parting surface.

Fix the flange onto champing plate by hexagonal socket head cap screw, pre-tight the screw and lock it after other parts installation.

·Turn the champing sleeve ② into the flange⑨, screw the sliding bushing ④ into B ejector plate,lock the head of ejector bolt⑤ on ejector A plate by Screw ①.

Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut ⑧.

The internal thread at the end of the ejector bolt had been threaded in order to connect with the central ector bolt of the injection mold. Different threads for different Two-stage ejectors.

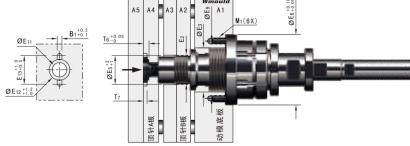
After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).

The nut $\hat{\mathcal{D}}$ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.

Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

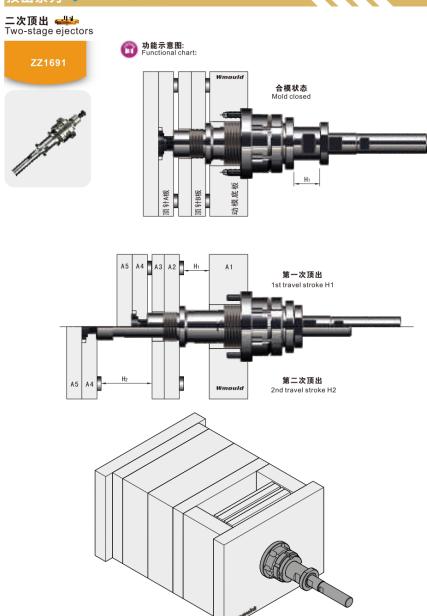
安装开框尺寸图:

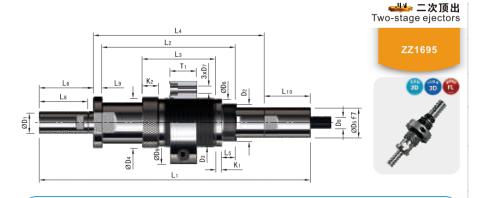
Dimension chart



D1												M1
13	3.2	M20×1	30	21	50	41.6	10	13.4	18	4	3	M 4
17	4	M24×1.5	37	25	60	48	13	17.4	21	5	4	M 5
22	5	M30×1.5	47	31	75	61	16	21	28	6	4.5	M 6
30	6	M40×1.5	62	41	100	82	20	26	34	7	5.5	M 8
40	8	M55×1.5	77	56	125	104	27	35	44	10	7.5	M10
52	9	M72×1.5	100	73	150	128	36	48	59	15	11.5	WITO







产品特点:

- 1.机械互锁设计,安全可靠;
- 2.产品表面增加涂层工艺,大大增加了二次顶出机构的使用寿命。

Features:

1.Interlocking mechanism design, safe and reliable.

2. The surface with coating treatment, higher wear resistance creates longer lifespan.

TOrder ZZ1695-22

Code	D2	D3		D5	D6	D7	D8	D9	T1
ZZ1695-22	M40×1.5	M52×1.5	52	31.5	50	0	M12×1.5	90	25
ZZ1695-25	M45×1.5	M60×1.5	60	36	56	9	M14×1.5	100	32
ZZ1695-32	M55×1.5	M72×1.5	72	44	70	11	M16×1.5	110	42

Code		L2	L3	L4	L5	L6	L8		L10
ZZ1695-22	278	141	82	175	47	58	52	10	45
ZZ1695-25	329	163	89	207	17	66	60	10	56
ZZ1695-32	430	196	106	257	22	102	82	12	71

Code	D1 K1		Ko.	Cunt	Sw2	Sw3	F	 1	H	12	@ V /D
Code		N1	N2	Sw1	SW2	SW3	min.	max.	min.	max.	W + /P
ZZ1695-22	22	6	18	17	46	36	6	48	4	36	
ZZ1695-25	25	7	10	19	55	41	8	60	5	50	
771605-32	32	Ω	16	27	65	50	10	98	6	60	

产品立体示意图: Product space chart:





二次顶出 👑

Two-stage ejectors

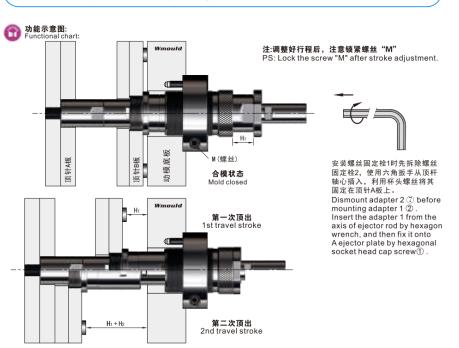
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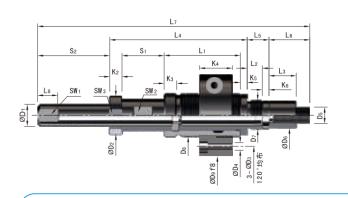
安装使用说明:

- · 使用杯头螺丝将定位法兰固定在动模底板上, 可先预紧, 待其它部件安装完成后再锁紧杯头螺丝;
- · 将外牙套旋入定位法兰,托司安装在顶针B板上,为方便安装可以自制小型法兰固定在顶针B板上再与托司相配:
- ·使用自带的杯头螺丝将螺丝固定栓1固定在顶针A板上;
- ·旋转衬套,调节衬套与定位法兰的相对位置即可在规定的范围内设定第一次顶出行程 "H1" 的位置,设定后再将法兰锁紧;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试, 严禁使用吊机)
- · "固定圈"在组装时已经过加固处理,为保证顶出机构正常使用,在使用前后不可随意拆卸!
- ·需精准安装(一套模具上一般安装一个顶出装置); 行程要计算准确, 否则产品容易损坏。

Installation Guidelines:

- ·Fix the locating flange noto the champing plate by hexagonal socket head cap screw, pre-tight the screw and lock it after other parts installation.
- Turn the inner slide bush (\$\mathbb{B}\$ into the locating flange (\$\mathbb{Q}\$), screw the outer slide bush (\$\mathbb{B}\$) into B ejector plate to Customer can make small flange and lock it onto B ejector plate to match with outer slide bush (\$\mathbb{B}\$). Fix the Adapter 1 (\$\mathbb{Q}\$) onto A ejector plate by hexagonal socket head cap screw.
- Adjust the position of inner slide bush and the locating flange to preset the travel stroke H1, and then fix the locating flange .
- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- ·The nut (6) had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.





二次顶出 Two-stage ejectors

ZZ5085



产品特点:

1.机械互锁设计,安全可靠;

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2.产品表面增加涂层工艺,大大增加了二次顶出机构的使用寿命。

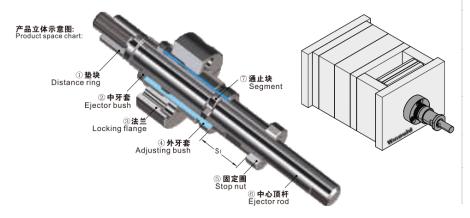
Features

- 1.Interlocking mechanism design, safe and reliable.
- 2. The surface with coating treatment, higher wear resistance creates longer lifespan.

TOrder ZZ5085-16

Code			D4											L1
ZZ5085-16	32	46	5.6	M12×1	20.6	M22×1	M32×1.5	60	0	8	24	5	5	56
ZZ5085-22	42	62	6.6	M16×1.5	28	M30×1.5	M42×1.5	80	9	10		6		
ZZ5085-28	53	72	0	M20×1.5	36	M38×1.5	M52×1.5	90	10.5	10	30		6	75
ZZ5085-37	64	80	ð	M24×1.5	44	M48×1.5	M62×1.5	102	10.6	12		0		

Code	D1	L2	L3	L4	L5	L6	L7	L8	S1	S2	Sw1	Sw2	Sw3	@¥/P
ZZ5085-16	16	11	20	101	16	30	200	15	5-30	53	13	20	28	
ZZ5085-22	22		30	132		40	266	18		72	17	27	38	
ZZ5085-28	28	16	35	134	22	45	285	20	10-40	84	22	35	48	
775095 27	27		40	140		60	300	20		0.0	30	44	60	





二次顶出 👑

Two-stage ejectors



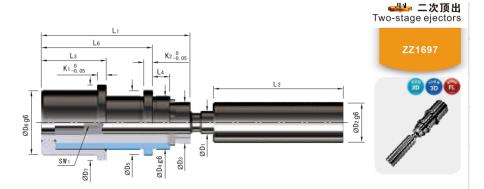
安装使用说明:

- ·使用杯头螺丝将法兰固定在动模底板上,可先预紧,待其它部件安装完成后再锁紧杯头螺丝;
- ·将外牙套旋入定位法兰,中牙套安装在顶针B板上,中心顶杆固定在顶针A板上,为方便安装可以自制小型 法兰固定顶针板上再与中牙套或中心顶杆固定;
- ·旋转外牙套,调节外牙套与法兰的相对位置即可在规定的范围内设定第一次顶出行程 "S1"的位置,设定后再将法兰锁紧;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试, 严禁使用吊机)
- · "固定圈"在组装时已经过加固处理,为保证顶出机构正常使用,在使用前后不可随意拆卸!
- ·需精准安装(一套模具上一般安装一个顶出装置);行程要计算准确,否则产品容易损坏。

Installation Guidelines:

- ·Fix the locking flange③ onto the champing plate by hexagonal socket head cap screw, pre-tight the screw and lock it after other parts installation.
- ·Turn the Adjusting Bush ④ into the Locking Flange ③, screw the Ejector Bush ② onto B ejector plate, lock the head of Ejector Rod ⑥ onto ejector A ejector plate. Customer can make small flange and then fix it onto B ejector plate to lock with Ejector Bush ② or Ejector Rod ⑥.
- ·Adjust the position of Adjusting Bush @ and the Locking flange ③ to preset the travel stroke S1, and then fix the Locking flange ③.
- -After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).
- The Stop Nut (§) had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.





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Order	ZZ1697-16										
Code								L2	L3	L4	L5
ZZ1697-16	27	28	36	44	44	52	103	90	45	12	5
ZZ1697-20	32	34	43	51	51	59	134	100	59	17	6
ZZ1697-26	42	43	54	63	64	73	168	150	74	22	7

Code	D4	10	K1	Ko	Cust	H	l1	H	12	@¥/P
Code		Lo	NI.	K2	Sw1	min.	max.	min.	max.	@ # /P
ZZ1697-16	16	77	6	6	8	6	76	3	76	
ZZ1697-20	20	101	7	7	10	8	96	4	96	
ZZ1697-26	26	126	8	8	14	10	130	5	130	



WYHB ECO CO.,LTD

二次顶出

Two-stage ejectors

产品特点:

- 1.机械互锁设计,安全可靠;
- 2.顶杆采用表面高频处理,方便安装加工;
- 3.重要零件采用SKD11材质及优质热处理工艺,
- 4.产品表面增加涂层工艺,高耐磨性能大大 增加了二次顶出机构的使用寿命;
- 5.内部安装,避免与外部安装零件冲突。

Features:

- 1.Interlocking mechanism design, safe and reliable.
- 2. The bride surface is processed with highfrequency treatment, easy to process and install.
- 3. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
- The surface with coating treatment, higher wear resistance creates longer lifespan.
- 5.It is mounted into the mold to avoid to collide with the outside parts of mold.

安装使用说明:

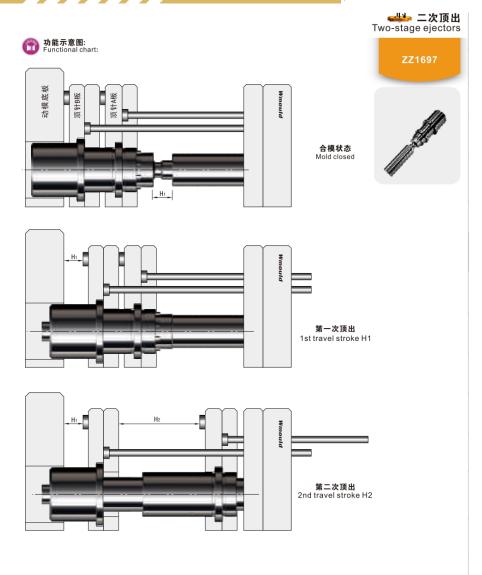
- ·首先在模板上加工安装孔,动模底板上的孔为过孔,顶针A、B板上为精密配合孔;
- ·将主体安装在顶针B板上,外衬套安装在顶针A板上;
- ·安装中心插杆,需精确计算第一次顶出行程"H1",可按实际需求从中心插杆大径一端截断后加工安装 螺孔,并使用杯头螺丝将其固定支承板。注意截断处端面要求与中心插杆垂直,中心插杆锁紧前与确定 已对准内衬套轴心, 安装完成后顶出行程不可调整;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试, 严禁使用吊机)
- ·一套模具上至少安装两套或以上顶出装置,并且对称安装;行程要保证一致,否则产品容易损坏。

Installation Guidelines:

- · Firstly process through holes into champing plate, process precise screw holes into the A, B ejector
- Mount the flange onto B ejector plate, locating guide bush onto A ejector plate.
 Mount the bride after calculating the 1st travel stroke H1 accurately. Customer can process the screw holes after cutting the needed length from the bigger diameter side of bride and then screw the bride onto the bearing plate by hexagonal socket head cap screw. (Please make sure that : 1. the surface after cutting should be perpendicular to bride; 2. the bride should be in line with the central of sliding bush before locking; 3. The stroke could not be adjusted after mounting.).
- · After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting
- · A minimum 2 sets Two-stage ejector must to be mounted symmetrically in mold. Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

安装开框尺寸图

Min 0.05mm 最小0.05mm间隙 极 巡 華 퍞





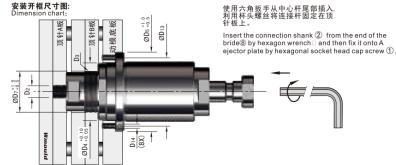


产品特点:

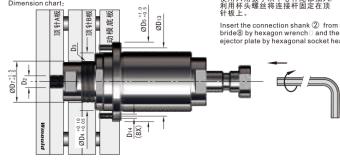
- 1.机械互锁设计,安全可靠;
- 2.重要零件采用SKD11材质及优质热处理工艺,
- 3.产品表面增加涂层工艺,高耐磨性能大大 增加了二次顶出机构的使用寿命;
- 4.多种规格适用于不同大小的模具荷重要求。

Features:

- 1.Interlocking mechanism design, safe and reliable.
- 2. Some important parts are made of SKD11 and by high quality heat treatment process to make it to be more resistant.
- 3. The surface with coating treatment, higher wear resistance creates longer lifespan.
- 4. Sizes are available for different loading weights.



Code	D2	D3	D4	D5	D7	D13	D14
ZZ1692-25-45	M14×1	M48×1.5	69	93	49	81	M5
ZZ1692-32-60	M18×1	M58×1.5	80	110	59	95	M6
ZZ1692-40-80	M24×1.5	M76×1.5	160	140	77	123	M8



Code							D14
ZZ1692-25-45	M14×1	M48×1.5	69	93	49	81	M5
ZZ1692-32-60	M18×1	M58×1.5	80	110	59	95	M6
ZZ1692-40-80	M24×1.5	M76×1.5	160	140	77	123	M8

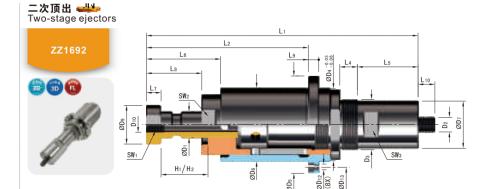


- ·使用杯头螺丝将法兰环固定在动模底板上,中牙套安装在顶针B板上;
- ·安装连接杆,使用六角扳手从中心杆尾部插入,通过自带的杯头螺丝将连接杆固定在顶针A板上;
- ·注意安装完成后顶出行程不可调节,且H2最大顶出行程:H2≤H1;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试, 严禁使用吊机)
- ·需精准安装(一套模具上一般安装一个顶出装置);行程要计算准确,否则产品容易损坏。

Installation Guidelines:

- ·Screw the flange ④ onto champing plate, sliding bush ③ onto B ejector plate.
 ·Insert the connection shank ② from the end of the bride ⑧ by hexagon wrench and then fix it onto A ejector plate by hexagonal socket head cap screw 1.
- Do not adjust the stroke after installation, and make that that H2≤H1.

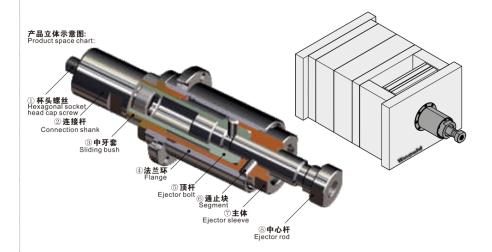
 After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting
- Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.



Torder ZZ1692-25-45

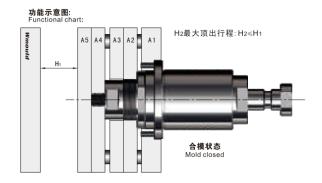
Code	D2	D3	D4	D5	D6	D7	D9	D10	D12	D13	SW1	SW2	SW3	H1
ZZ1692-25-45	M14×1	M48×1.5	69	93	70	45	37	MAG	5.4	81	32	50.2	38	4-45
ZZ1692-32-60	M18×1	M58×1.5	80	110	82	55	46	M16	6.4	95	41	60.2	46	6-60
ZZ1692-40-80	M24×1.5	M76×1.5	106	140	108	73	56	M24	8.5	123	50	80.2	65	8-80

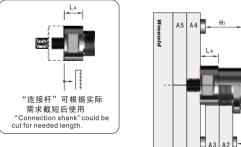
Code	D4	14		14	L5	10	1.7	L8	10	L10	H	12	@ v n
Code	D1		LZ	L4		L.0	L/	Lo	L9	LIU		max.	W # /P
ZZ1692-25-45	25	260	155	47	58	71	14	53	10	16	4	45	
ZZ1692-32-60	32	325	198	17	80	89	15	68	12	25	5	60	

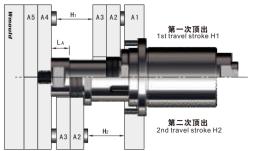


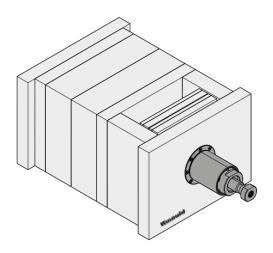


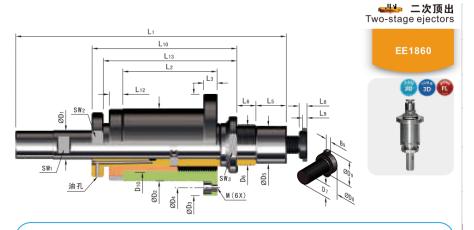












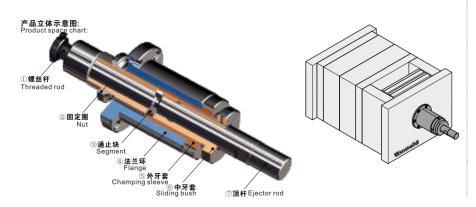
产品特点: Features:

1.机械互锁设计,安全可靠; 1.Interlocking mechanism design, safe and reliable. 2.产品表面增加涂层工艺,高耐磨性能 2.The surface with coating 大大增加了二次顶出机构的使用寿命。 creates longer lifespan. 2. The surface with coating treatment, higher wear resistance

EE1860-15

Code							D8			В9		
EE1860-15	38	55	46	18.7	M20×1	M 9×1	15.5	20	M31×1.25	3.5	M 4	157
EE1860-18	50	72	60	24	M26×1.5	M12×1	18.5	23	M40×1.5	4	M 5	190
EE1860-25	64	90	76	33	M35×1.5	M16×1	24	30	M52×1.5	5	M 6	241
EE1860-33	80	114	96	43	M45×1.5	M20×1.25	29	37	M66×1.5	6	M 8	315
EE1860-44	100	138	118	56	M58×1.5	M28×1.5	40	48	M84×2	7	M10	428

Code		L2	L3	L5	L6	L8	L9	L10	L12	L13	Sw1	Sw2	Sw3	@¥/P
EE1860-15	15	54	8	19	12	5	3.6	90	10	82	12	27	27	
EE1860-18	18	64	10	17	47	6	4	101	8	92	14	36	34.2	
EE1860-25	25	84	12	27	17	7	6	129	10	119	20	50	46	
EE1860-33	33	111	13	32	22	9	5	170	15	156	27	60	60	
EE1860-44	44	156	16	41	27	11	6	236	20	220	36	75	75	





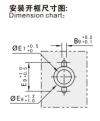
Two-stage ejectors

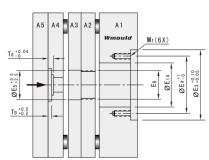
🚢 二次顶出



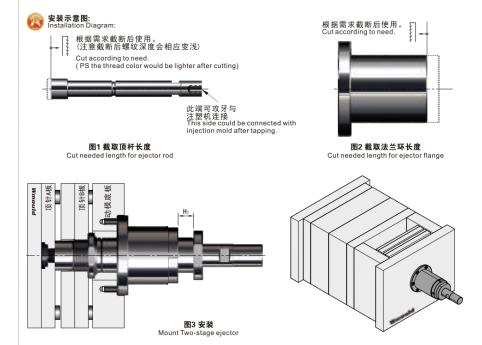








D1													
15	55	46	18.7	M20×1	10	15.5	20	33	5	3.6	30	50	M 4
18	72	60	24	M26×1.5	13	18.5	23	42	6	4	40	62	M 5
25	90	76	33	M35×1.5	17	24	30	54	7	-	50	82	M 6
33	114	96	43	M45×1.5	22	29	37	68	9	5	71	110	M 8
44	138	118	56	M58×1.5	30	40	48	86	11	6	100	160	M10



安装使用说明:

- ·首先根据开框尺寸图在模板上加工安装孔;
- ·精确计算顶出行程,根据需求截取法兰环、顶杆长度,注意安装完成后顶出行程不可调节;
- ·使用杯头螺丝将法兰环固定在动模底板上,中牙套安装在顶针B板上,顶杆固定在顶针A板上;
- ·可在顶杆的尾部攻内螺纹,以便与注塑机的中心顶杆相连接,型号不同,所配置的螺纹大小也不同;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合。(建议在合模机或注塑机上测试,严禁使用吊机)
- ·需精准安装(一套模具上一般安装一个顶出装置); 行程要计算准确, 否则产品容易损坏;
- ·如模具需要维修改动,请先拆除锁模装置后再进行后续操作。

Installation Guidelines:

·Process the mounting holes as per dimension chart.

Calculate the travel strokes accurately and cut the needed length for flange (a) and ejector rod (7). Do not adjust the strokes after installation.

Mount the flange @ into the champing plate, screw the sliding bushing @ into B ejector plate and the ejector rod ⑦ into A ejector plate.

· In order to connect with the central ejector rod of the injection mold, it is available to thread the internal thread at the end of the ejector rod. Different threads for different Two-stage ejectors.

After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine).

Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable, otherwise the product would be easy to damage.

If need to maintain, please remove the two-stage ejector firstly.



For more information please visit the website: https://yhb.com.vn





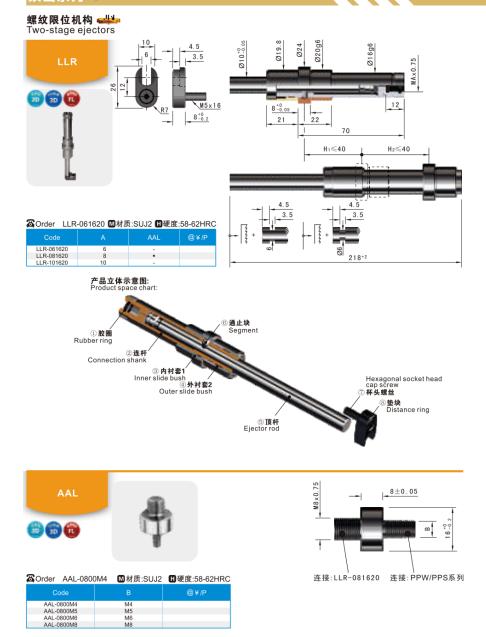
会装使用说明:

- ·首先从螺纹限位机构上取下外衬套1安装到顶针板上,然后重新装回螺纹限位机构;
- ·将弹弓顶针与螺纹限位机连接固定,也可连接顶针等,固定前弹弓顶针应先穿过B板;
- ·安装顶杆,在所有步骤安装前先精确计算好需要的行程然后截取顶杆长度并加工连接槽,通过垫块固定 在动模底板上;
- ·注意安装前需计算精准,安装完成后顶出行程不可调节;
- ·可动部分必须保持清洁,定时使用润滑剂以保持其順滑。

Installation Guidelines:

7//////

- ·Firstly dismount the Outer slide bush and fix it onto ejector plate, and then reinstall it into two-stage ejector.
- ·Fix the two-stage ejector with sprung core or ejector pin which had been inserted through B ejector plate.
- Calculate the strokes accurately, cut the needed length for ejector rod and process the connection groove, and then mount the ejector rod onto the champing plate.
- groove, and then mount the ejector rod onto the . Do not adjust the strokes after installation.
- ·All movable parts must be kept clean and lubricated smoothly periodically.

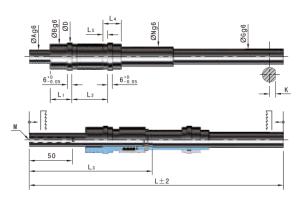






二次顶出 🚢 Two-stage ejectors





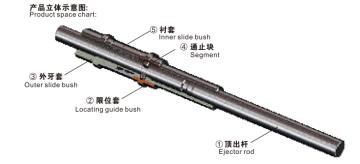
产品特点:

- 1.此二次顶出机构结构简单,安装方便,仅需极小安装间;
- 2.重要零件采用SKD11材质及优质热处理工艺,更耐磨;
- 3.产品表面增加涂层工艺,高耐磨性能大大增加了二次顶出机构的使用寿命。

- 1. This type two-stage ejector structure is simple, easy for mount and need only small space for installation.
- 2.ome important parts are made of SKD11 and by high quality heat treatment process to make it to be
- 3. The surface with coating treatment, higher wear resistance creates longer lifespan.

TOrder DDX-142622

Code								L2	L3	L4	L5					@¥/P
DDX-142622	14	26	30	16	7.2	243	22	34	125	20	4	21	42	48	M6	
DDX-163027	16	30	34	18	8	314	27	44	152	23	6	24	54	80	MR	



🛶 二次顶出 Two-stage ejectors

安装使用说明:

- ·精确计算顶出行程,跟据需求将顶出杆从两端截断后使用;
- · 将限位套安装在顶针A板上, 外牙套安装到顶针B板上;
- ·使用杯头螺丝将顶出杆固定在动模底板上;
- ·注意安装前需计算精准,安装完成后顶出行不可调节;
- ·可动部分必须保持清洁,定时使用润滑剂以保持其順滑;
- ·进行配合功能测试, 查看二次顶出机构各部位是否顺畅, 行程是否吻合; (建议在合模机或注塑机上测试,
- ·建议一套模具使用4套二次顶出机构,对称安装并且保4套二次顶出机构的顶出行程一致否则产品容易损坏;
- 所有安装孔必须同心并且垂直于分型面。

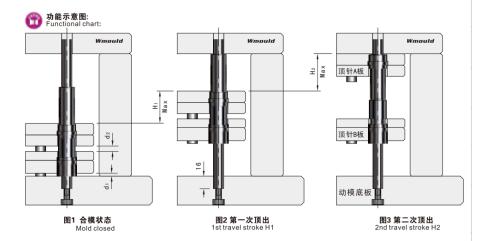
Installation Guidelines:

- ·Calculate the travel strokes accurately and cut the needed length from the both sides of ejector rod.
 ·Mount the locating guide bush onto A ejector plate, outer slide bush onto B ejector plate.
- Screw the ejector rod onto champing plate by hexagonal socket head cap screw.

 The travel strokes could not be adjusted after installation.

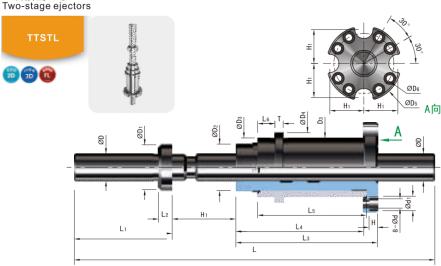
 All movable parts must be kept clean and lubricated smoothly periodically;

- After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting
- Recommend 4 sets two-stage ejectors be mounted in one mold, and must be mounted symmetrically and with same strokes, otherwise the product would be easy to damage.
 All mounting holes must be homocentric and perpendicular to parting surface.







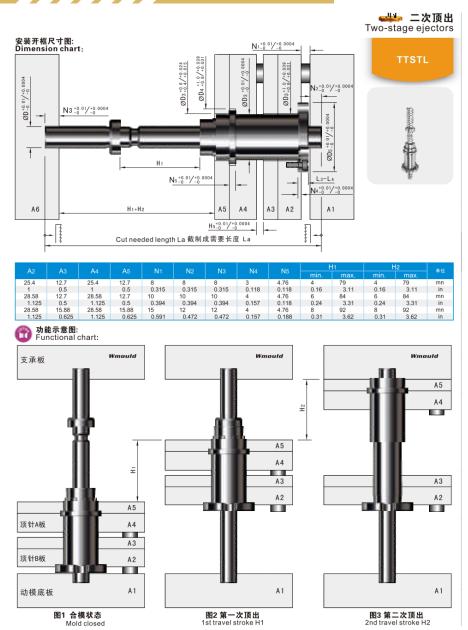


☎Order TTSTL-20A

20 0/-0.01	33	34	43 0/-0.03	50.8	66 0/-0.03	53	6 0/-0.01	6.4	10.6	6.1	30
0.787 0/-0.004	1.3	1.34	1.693 0/-0.001	2	2.598 0/-0.001	2.09	0.236 0/-0.004	0.25	0.42	0.24	1.18
26 0/-0.01	42	44	54 0/-0.03	63	84 0/-0.03	67	8 0/-0.01	8.7	13.8	8.2	37
1.024 0/-0.004	1.65	1.69	2.126 0/-0.001	2.48	3.307 0/-0.001	2.64	0.315 0/-0.004	0.34	0.54	0.32	1.46
32 0/-0.01	53	54	68 0/-0.03	78	105 0/-0.03	85	10 0/-0.01	10.8	16.8	10.2	47
1.26 0/-0.004	2.09	2.13	2.677 0/-0.001	3.07	4.134 0/-0.001	3.35	0.394 0/-0.004	0.43	0.66	0.4	1.85

Code	L	L1	L2	L3	L4	L5	L6	Center Rod Dia	Component Item Number	单位	@¥/P
TTSTL-20A	265	72	10	104	94	79.96	12.7	20mm	TTSTL-20CR	mm	
1151L-20A	10.43	2.83	0.39	4.09	3.7	3.148	0.5	(Small)	1151L-20CR	in	
TTSTL-26A	290	76	12	43	103	85.32	12.7	26mm	TTSTL-26CR	mm	
1151L-20A	11.42	2.99	0.47	1.69	40.6	3.359	0.5	(Medium)	IISIL-20CR	in	
TTSTL-32A	320	82	15	54	113.4	93.68	15.88	32mm	TTSTL-32CR	mm	
IIISIL-32A	12.6	3.23	0.59	2.13	4.46	3.688	0.625	(Large)	1151L-32CR	in	





WYHB ECO CO.,LTD

二次顶出 🚢

Two-stage ejectors

产品特点:

- 1.采用机械插销,安全可靠,容易安装;
- 2.内部装置避免运水装置连接和外部安装零件的冲突;
- 3.产品表面增加涂层工艺,高耐磨性能大大增加了二次顶出机构的使用寿命。

- 1. With mechanical bolt, easy to set up and install.
- 2.Internal installation avoids interferences with water line connectors and external mounted components.
- 3. The surface with coating treatment, higher wear resistance creates longer lifespan.

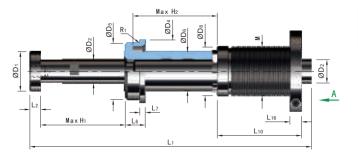
安装使用说明:

- ·精确计算顶出行程,跟据需求可从顶杆两端截断后使用;
- ·参考安装开框尺寸图加工安装孔,注意所有安装孔必须同心并且垂直于分型面;
- · 拆下外衬套与顶杆, 将外衬套安装在顶针A板上, 使用杯头螺丝将主体固定在顶针B板上;
- · 将外衬套重新装回主体并插入顶杆安装到支承板与动模底板之间;
- ·注意安装前需计算精准,安装完成后顶出行不可调节;
- ·可动部分必须保持清洁,定时使用润滑剂以保持其順滑;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合;(建议在合模机或注塑机上测试, 严禁使用吊机)
- ·在模板上要成套对称安装,并且保证几套顶出机构的行程完全一致,否则,会导致单套复位机构受力, 因受力不平衡将导致组件断裂:
- ·二次顶出的使用温度范围常温至120摄氏度;
- ·此机构为精密配件,请勿与其他自行加工零件配合使用,由此带来的异常将由 贵司自行负责;
- ·在模胚上选择20、26或32毫米的直径(小,中,大)的和顶针板的行程范围(第一次,第二次行程),来选 择二次顶出的型号及规格。

Installation Guidelines:

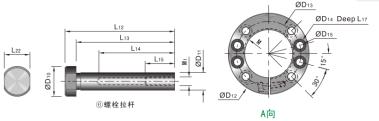
- ·Calculate the travel strokes accurately and cut the needed length from the both sides of ejector rod. Process the mounting holes as per dimension chart, and the holes should be homocentric and be perpendicular to parting surface.
- Dismount the outer slide bush ③ and ejector rod ①, and then mount the slide bush ③ onto A ejector plate, screw the ejector sleeve ② onto ejector B plate.
- Remount the outer slide bush 3 to ejector sleeve 2, inset ejector sleeve 2 into and mount them them between wearing plate and champing plate.
- ·Do not adjust the travel strokes after installation.
- All movable parts must be kept clean and lubricated smoothly periodically.
- ·After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting
- ·A minimum 2 sets Two-stage ejector must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.
- · 2-stage ejector must not be exposed to temperatures that exceed 120°C at any time.

 · The two-stage ejector is precise parts, please do not apply together with any self-regulating parts.
- Wmould will not be responsible for any anomaly caused by it.
- Select 20mmØ (small), 26mmØ (medium) or 30mmØ (large) two-stage ejector based on the width of the mold base.









- 1.内部安装,可避免与外部安装零件的冲突; 2.产品表面增加涂层工艺,高耐磨性能大大
- 增加了二次顶出机构的使用寿命。

Features:

- 1. It is mounted into the mold to avoid to collide with the outside parts of mold.
- 2. The surface with coating treatment, higher wear resistance creates longer lifespan.

☎Order TTSBL-20A M 材质:SUJ2/SKD61 ■硬度:58-62HRC/50-54HRC

D1		D4			D8				D13
34 0/-0.01	20 0/-0.01	58.2 0/-0.03	50.8 0/-0.02	34	43 0/-0.03	29	18	72	72
1.339 0/-0.004	0.787 0/-0.004	2.291 0/-0.001	2 0/-0.008	1.339	1.693 0/-0.001	1.14	0.71	2.83	2.83
44 0/-0.01	26 0/-0.01	70 0/-0.03	62.6 0/-0.02	43	54 0/-0.03	34	21	90	90
1.732 0/-0.004	1.024 0/-0.004	2.756 0/-0.001	2.46 0/-0.008	1.693	2.126 0/-0.001	1.34	0.83	3.54	3.54
58 0/-0.01	32 0/-0.01	87 0/-0.03	78 0/-0.02	54	68 0/-0.03	43	26	112	112
2.283 0/-0.004	1.26 0/-0.004	3.425 0/-0.001	3.07 0/-0.008	2.126	2.677 0/-0.001	1.69	1.02	4.41	4.41

D14			L2	L6	L7	L10	L12	L13	L14
10.5	6.4	280	10 +0.02/0	22.7	6 0/-0.01	86	136	125	107
0.41	0.25	11.2	0.394 +0.001/0	0.894	0.236 0/-0.0004	3.39	5.35	4.92	4.21
13.8	8.6	314	12 +0.02/0	22.7	6 0/-0.01	94	153	139	120
0.54	0.34	12.36	0.472 +0.001/0	0.894	0.236 0/-0.0004	3.7	6.02	5.47	4.72
16.8	10.8	354	14 +0.02/0	28.88	7 0/-0.01	105	171	154	138
0.66	0.43	13.94	0.551 +0.001/0	1.137	0.276 0/-0.0004	4.13	6.73	6.06	5.43

Code	L15	L16	L17	L22	R1	М	M1	单位	@¥/P
TTSBL-20A	30	10	6	26	R0.4	M43.2×1.25	M10	mm	
I I SBL-20A	1.18	0.39	0.24	1.02	R0.02	W43.2*1.25	WITU	in	
TTSBL-26A	40	13	8.1	30	R0.4	M54.2×1.25	M12	mm	
I I SBL-20A	1.57	0.51	0.32	1.18	R0.02	W54.2×1.25	WIIZ	in	
TTSBL-32A	50	16	10.1	36	R0.4	M68.25×1.25	M16	mm	
I I SDL-32A	1.97	0.63	0.4	1.42	R0.02	INIO0.23×1.25	IVI 10	in	

二次顶出 🚢

Two-stage ejectors

TTSBL







安装使用说明:

- ·参考安装开框尺寸图加工安装孔,注意所有安装孔必须同心并且垂直于分型面;
- · 将内衬套安装在顶针A板上,使用杯头螺丝将外牙套固定在顶针B板上;
- · 将中心插杆安装到支承板与动模底板之间, 安装前需配上内衬套与外牙套;
- ·注意安装前需计算精准,安装完成后顶出行不可调节,可在安装前从中心插杆小径端截取长度来控
- ·可动部分必须保持清洁,定时使用润滑剂以保持其順滑;
- ·进行配合功能测试,查看二次顶出机构各部位是否顺畅,行程是否吻合;(建议在合模机或注塑机上 测试,严禁使用吊机)
- ·在模板上要成套对称安装,并且保证几套顶出机构的行程完全一致,否则,会导致单套复位机构受 力, 因受力不平衡将导致组件断裂;
- ·此机构为精密配件,请勿与其他自行加工零件配合使用,由此带来的异常将由 贵司自行负责。

Installation Guidelines:

·Firstly process through holes into A ejector plate, process srew holes into B ejector plate and champing plate (screw holes dimension refer to the ones need matched with D2, D3). Customer can also make

Process one mounting hole in the top of the ejector rod, this mounting hole need match with the through hole into B plate.

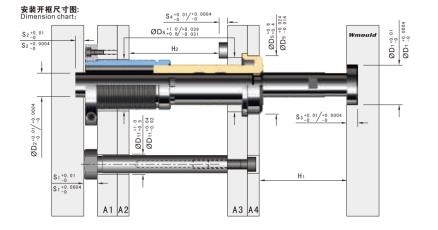
Mount the champing sleeve ② directly on the bottom of champing plate, screw the sliding bushing ① into B ejector plate and the head of the ejector bolt ④ into A ejector plate. Adjust the position of champing sleeve ② and the champing plat (flange) to preset the travel stroke H1, and then fix the slotted nut ⑤.

In order to connect with the central ejector bolt of the injection mold, it is available to thread the internal thread at the end of the ejector bolt. Different threads for different Two-stage ejectors.

After installation, carry out a functional test to check whether the individual parts work well and the stroke applicable. (Recommend test on matched molds machine or injection machines, do not use Lifting Machine)

·The nut $ar{\otimes}$ had been strengthened in mounting, do not dismount the nut freely anytime to ensure normal function of the product.

Request precise installation (only 1 set for 1 mold). Make sure the STROKE is exactly applicable. otherwise the product would be easy to damage.



③通止块 Segmemt

④ 外牙套

产品立体示意图:

①中心插杆 Ejector rod

②内衬套

Body for cam fingers

A1	A2	Аз	A4	S1	S2	S3	S4	S5	Center	Travel	H	1 1	Н	2	T4	单位
Α1	/A2	/A3	744				34		Rod Length	Sleeve Length	min.	max.	min.	max.		
25.4	12.7	25.4	12.7	11	8	10	4.76	4	277.96	86	8	82	12	82	M 6	mm
1	0.5	1	0.5	0.433	0.315	0.394	1.86	0.157	10.943	3.386	0.32	3.32	0.47	3.32	IVI O	in
28.58	12.7	28.58	12.7	14	10	12	4.76	4	311.32	94	10	92	18	92		mm
1.125	0.5	1.125	0.5	0.551	0.394	0.472	1.86	0.157	12.257	3.701	0.39	3.62	0.71	3.62	M 8	in
28.58	15.88	28.58	15.88	17	12	14	6.29	6	352.21	105	12	102	24	102	M10	mm
1.125	0.625	1.125	0.625	0.669	0.472	0.551	0.248	0.238	13.867	4.134	0.47	4.02	0.94	4.02	WITU	in



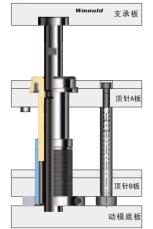
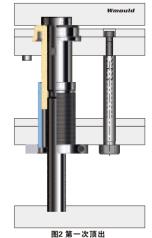
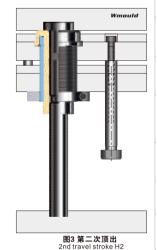


图1 合模状态



1st travel stroke H1



For more information please visit the website: https://yhb.com.vn

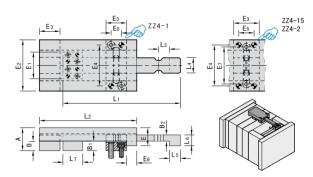


二次顶出 🛶

Two-stage ejectors

ZZ4





产品特点:

1.根据安装方法不同,功能不同。此款二次顶出 机构具有二次顶出、锁模扣的功能,适用范围广。

Features:

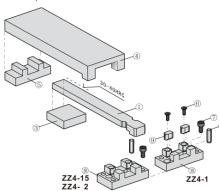
1.Different install methods, different function. This ZZ4 series latch locks with wide applicability which can be used as two-satge ejector, latch lock.

&Order 774-1-1-0

Cidei	227 1 1 0										
E2											
50	22.3	9.3	9.2	6.8	17.5	30	20	40	10	10	-
75	30.3	12.3	12.2	8.8	23.5	45	30	65	20	15	56
90	37.5	15.5	15.3	11.8	29	60	36	74	25	15	74

Code	L1	L2	L3	L4	L5	L6	L7	定位销 Dowel pin	安装螺丝 Mounting screws	@¥/P
ZZ4- 1-1-0	146	146	10	15	10	9.6	30	Ø5×16	M4×12	
ZZ4-15-1-0	196	196	15	20	12	12	45		M8×16	
ZZ4- 2-1-0	246	246	18	25	15	15	60	Ø6×20	M8×20	

产品立体示意图: Product space chart:



- ·螺丝(6)无实际应用功能,为了避免二次顶出安装在 模具上前防止波珠(9)掉落丢失或安装时遗忘;
- ·ZZ4-15、ZZ4-2相比ZZ4-1多两个定位销孔(如图)。
- · ZZ4-1 with more dowel pin holes compared with
- · ZZ4-15, ZZ4-2 (refer drawing)

Pos	品名	材质	硬度
1	插杆	Cr12MoV	55-58HRC
3	垫块	S45C	-
4	主体	718H	≈900HV
5	垫块	S45C	
9	波珠	SKD11	58-62HRC
10	波珠滑块	718H	28-38HRC

🛶 二次顶出 Two-stage ejectors

安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态后配做
- · 将波珠滑块与插杆对称安装在模具上后,再根据开模行程来确定主体长度,确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或以上二次顶出机构,并确保顶出行程一致及对称安装,如安装不一致或未对称 安装将导致二次顶出机构断裂;
- ·进行配合功能测试,查看二次顶出机构各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动,请先拆除二次顶出机构后再进行后续操作。

Installation Guidelines:

·Install the Latch housing @ and should be parallel to parting surface.
·Install Reverse latch bar ① after cutting needed length and processing screw holes. Process dowel pin holes after locking screws and in mold closed situation.
·Mount the Latch housing @ and Reverse latch bar ① symmetrically in mold, and then calculate the

Control plate 4 length according to the travel stroke. Process the dowel pin holes of Control plate 4 after other parts installation.

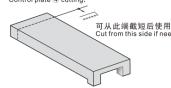
A minimum 2 sets latch lock must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.

After installation, carry out a functional test to check whether the individual parts work well and the stroke

If need to maintain, please remove the latch lock firstly.

主体截取示意图:

Control plate 4 cutting:



功能示意图: (安装方法一) Functional chart:(Install method 1)

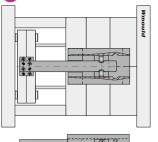
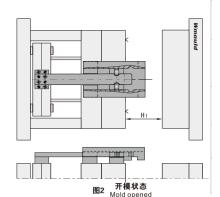


图1 合模状态 Mold closed

插杆截取示意图:

Reverse latch bar 1):





WYHB ECO CO.,LTD 顶出系列 Ejector series 二次顶出 二 Two-stage ejectors 二次顶出 Two-stage ejectors 28+L3+28+20 L₃ (Max 320) L5 (Max 348) ZZ4-32 **O O** 36 20 H2+H3 56 图3 第一次顶出状态 图4 第二次顶出状态 Ø10^{+0.02} 1st travel stroke 2nd travel stroke H₁ 功能示意图: (安装方法二) Functional chart:(Install method 2) ☎Order ZZ4-32-L3-L5 主体 718H ≈900HV SKD11 58-62HRC 718H Cr12MoV 28-38HRC 55-58HRC 波珠滑块 产品立体示意图: Product space chart: H2 图1 合模状态 图2 第一次顶出状态 1st travel stroke H1 H1+ H2 图3 第二次顶出状态 2nd travel stroke H2

For more information please visit the website: https://yhb.com.vn



Two-stage ejectors

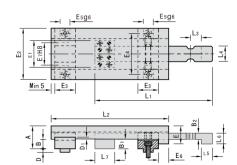
→ 二次顶出

二次顶出 🚢 Two-stage ejectors





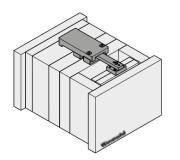


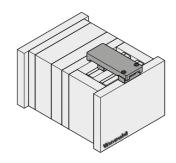


\sim	rder	ZZ4-1	1_1_(n

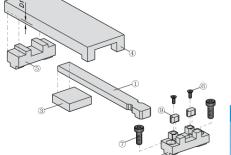
- Ciaci											
50	22.3	9.3	9.2	6.8	17.5	30	20	38	10	10	22
75	30.3	12.3	12.2	8.8	23.5	45	30	56	12	15	30
90	37.5	15.5	15.3	11.8	29	60	36	72	14	15	38

Code	L1	L2	L3	L4	L5	L6	L7	D	D1	安装螺丝 Mounting screws	@¥/P
ZZ4-11-1-0	146	146	10	15	10	9.6	30	4	3	M 6×20	
ZZ4-16-1-0	196	196	15	20	12	12	45	5	4.5	M 8×25	
ZZ4-21-1-0	246	246	18	25	15	15	60	6	6	M10×30	









螺丝(6)无实际应用功能,为了避免锁模扣安装在模具上 前防止波珠(9)掉落丢失或安装时遗忘。

The Countersunk screw@has no practical function, just to protect or remind the catch 9

Pos	品名	材质	硬度
3	插杆	Cr12MoV	55-58HRC
6	垫块	S45C	
8	主体	718H	≈900HV
11	垫块	S45C	
8	波珠	SKD11	58-62HRC
11	波珠滑块	718H	28-38HRC

安装使用说明:

- ·安装波珠滑块,要求平行于分型面安装;
- ·安装插杆,按实际需求截取插杆长度,并加工螺丝孔,锁紧螺丝前保证模具处于完全合模状态后配做
- · 将波珠滑块与插杆对称安装在模具上后, 再根据开模行程来确定主体长度, 确定各组件已正确安装并 且运行正常后再配做主体上定位销孔;
- · 每套模具至少安装两套或以上二次顶出机构,并确保开模行程一致及对称安装,如安装不一致或未对称 安装将导致二次顶出机构断裂;
- ·进行配合功能测试,查看二次顶出机构各部位配合是否顺畅,行程是否吻合。
- ·如模具需要维修改动,请先拆除二次顶出机构后再进行后续操作。

Installation Guidelines:

Install the Latch housing and should be parallel to parting surface.

Install Reverse latch bar after cutting needed length and processing screw holes. Process dowel pin holes after locking screws and in mold closed situation.

Mount the Latch housing and Reverse latch bar symmetrically in mold, and then calculate the Control plate (a) length according to the travel stroke. Process the dowel pin holes of Control plate after other

A minimum 2 sets latch lock must to be mounted symmetrically in mold. Otherwise, the parts would be broken caused by the unbalanced force of two sides.

After installation, carry out a functional test to check whether the individual parts work well and the

If need to maintain, please remove the latch lock firstly.

主体截取示意图:

Control plate 4 cutting:

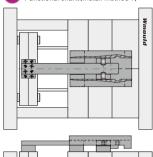


插杆截取示意图:

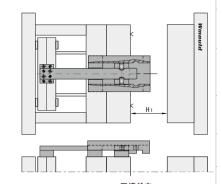
Reverse latch bar 1:

可从此端截短后使用 Cut from this side if need



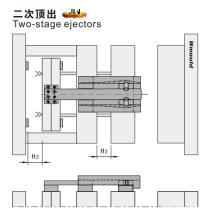






Mold opened





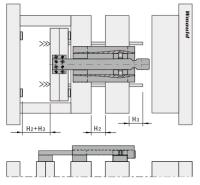


图4 第二次顶出状态

2nd travel stroke

功能示意图: (安装方法二) Functional chart: (Install method 2)

H₂

图3 第一次顶出状态

1st travel stroke

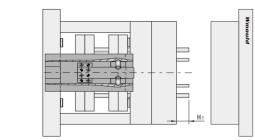
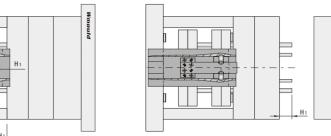
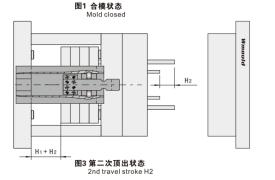
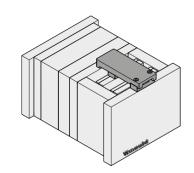
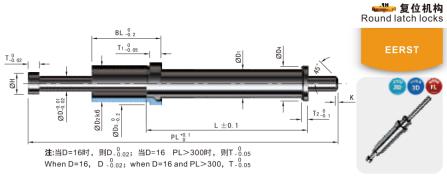


图2 第一次顶出状态 1st travel stroke H1











6	10.5	12
10	10.5	12.5
16	16.5	19

复位推杆插入时通止块动作完成位置 "H" 复位推杆拔出时通止块动作开始位置 "H1" The values for activation finishing/starting point "H/H1" are for reference only

- 1.此装置作用为在合模前先将顶针板完全复位,从而防止模具损坏;
- 2.此机构为内部安装,占空间小;即使顶针的顶出行程较大,也可完全实现早回作用; 3.此机构除了做顶针板早回装置外,亦可做二次顶出使用;
- - 4.内部安装,可避免与模具外部安装零件及水路冲突。

Features:

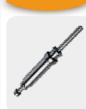
- 1. This early return unit is used to early return the ejector plate before mold closing, so that to avoid the slide core unit collide by ejector pin.
- 2.It is mounted into the mold to save the space, The early return function works even the stroke of ejector
- 3.It can be used as Two-satge ejector.
- 4.It is mounted into the mold to avoid to collide with the outside parts and cooling system of mold.

Code	D	D1	D2		D4	Т	T1	T2			BL 指定单位1mm	L 指定单位0.5mm	PL 指定单位0.01mm	@¥/P
	6	15 -0.016/-0.027	20 +0.015/+0.002	24	18.8	8 4		10	_	25- 60	25- 60 50 -100 100.5-125			
EERST	10	20 -0.020/-0.033	25 +0.015/+0.002	30	24.5		٥	-	15	2	35-100	60 -100 100.5-160	50-300	
	16	30 -0.020/-0.033	40 +0.018/+0.002	46	35.5	٥	13	8	21	4	40-100	60 -100 100.5-160	50-350	









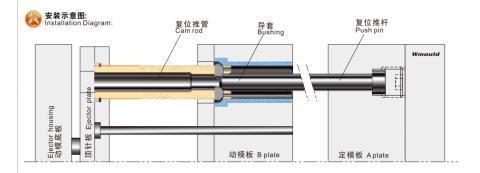




- ·将复位推管安装到顶针板上,导套安装到动模板上,复位推杆固定在定模板上;
- · 每套模具要求至少使用2套或2套以上推板复位机构, 并且对称安装;
- ·如未对称安装,可能导致单套复位机构受力,因受力不平衡将导致组件断裂;
- ·定期对组件配合部位添加润滑油;
- ·确保复位推杆准确装入复位推管的前端部分,请注意如错位将导致模具损坏;
- ·进行配合功能测试,查看复位机构各部位是否顺畅,行程是否吻合。

Installation Guidelines:

- · Mount cam rod into the ejector plate, bushing into the B plate, push pin into the A plate.
- · A minimum 2 sets Early ejector return assembly must to be mounted symmetrically in mold.
- · If the early ejector return units were not mounted symmetrically, the uneven force will cause the parts
- Add the lubricating oil onto the joint area regularly.
 Make sure the early return units are mounted into the cam rod exactly, otherwise, it will cause the
- · After the installation, carry out a functional test, check whether the individual parts work well, whether the stroke is applicable.



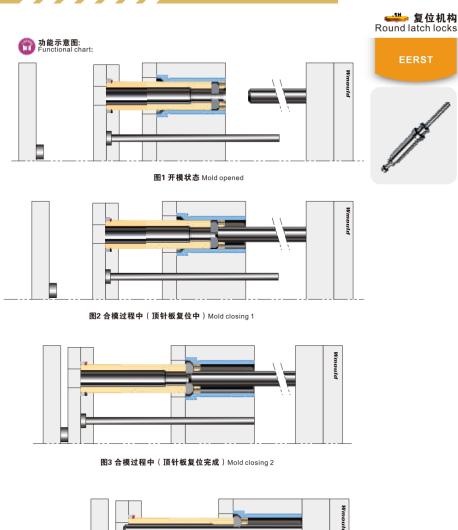


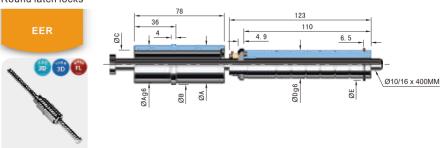
图4 合模状态 Mold closed

For more information please visit the website: https://yhb.com.vn



复位机构 Round latch locks

Round latch looks 专利号:ZL 2011 2 0126423. X



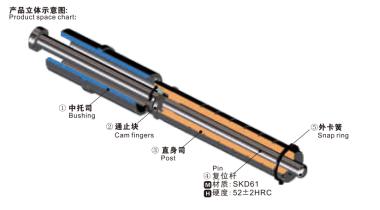
产品特点:

- 1.此装置作用为在合模前先将顶针板完全复位,从而防止模具损坏;
- 2.此机构为内部安装,占空间小;即使顶针的顶出行程较大,也可完全实现早回作用;
- 3.内部安装,可避免与模具外部安装零件及水路冲突。

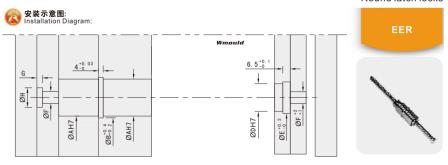
Features:

- 1. This early return assembly is used to early return the ejector plate before mold closed
- It is mounted inside the mold to save space. The early return function works even the stroke of the ejector pin is large.
- 3. It is mounted inside the mold to avoid to against extrusion the waterway and slides.

Order EB	ER-100E	M材质:SUJ2	■ 硬度:5	8-62HRC					
Code									@¥/P
EER-100E	32	35	24.2	24	27	10	5	17	
EER-101E	42	46	32.2	32	36	16	7	24	



专利号:ZL 2012 2 0020044.7 Round latch locks



🥁 安装使用说明

- ·精确计算行程,可通过截取直身司及复位杆长度来调整复位行程(如下图所示);
- ·参考开框尺寸图加工安装孔,注意所有安装孔均同心并且垂直于分型面;
- · 每套模具要求至少使用2套或2套以上推板复位机构, 并且对称安装;
- ·如未对称安装,可能导致单套复位机构受力,因受力不平衡将导致组件断裂;
- · 定期对组件配合部位添加润滑油;
- ·确保复位推杆准确装入直身司的前端部分,请注意如错位将导致模具损坏;
- ·进行配合功能测试,查看复位机构各部位是否顺畅,行程是否吻合。

Installation Guidelines:

- · Make sure the stroke is applicable. Adjust the stroke by cutting the length of post and pin.
- Process the mounting holes as per dimension chart, and the holes should be homocentric and perpendicular to parting surface.
- · A minimum 2 sets Early ejector return assembly must to be mounted symmetrically in mold.
- If the early ejector return units were not mounted symmetrically, the uneven force will cause the parts damaged.
- · Add the lubricating oil onto the joint area regularly.
- Make sure the round latch locks are mounted into the cam rod exactly, otherwise, it will cause the mold damaged.
- After the installation, carry out a functional test, check whether the individual parts work well, whether the stroke is applicable.

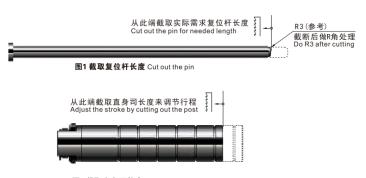


图2 截取直身司长度 Cut out the post





。 专利号:ZL 2012 2 0020044.7





一 功能示意图: Functional chart:

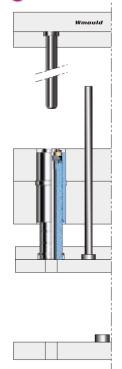


图1 开模状态 Mold opened

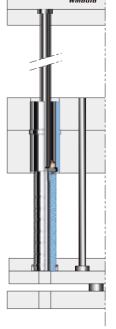


图2 合模过程中 Mold closing

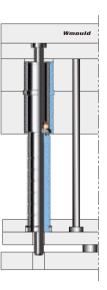
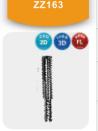


图3 合模状态 Mold closed



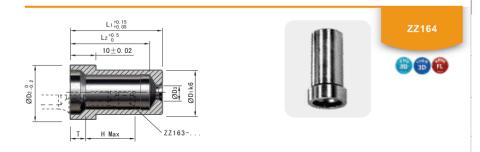






Order	ZZ163-6-125	М 材质:SKD61	₩ 硬度:48-52HRC
-------	-------------	------------	---------------

Code							L2	L3	max.F(N)	@¥/P
ZZ163- 6-125	16	18	6	10	13	125	73	20	12000	
ZZ163-10-160	20	24	10	12.5	17	160	100	25	20000	



Order	ZZ164-6-36	■材质:SUJ2	H硬度:58±2HRC

Code					L2		max.H	@ ¥ /P		
ZZ164- 6-36				36	31		24			
ZZ164- 6-46	18	22	6	46	41		34			
ZZ164- 6-56				56	51		44			
ZZ164-10-36						36	30	6.7	23	
ZZ164-10-46	24	20	10	46	40		33			
ZZ164-10-56	24	24 29	10	56	50		43			
ZZ164-10-76				76	70		63			

产品特点:

- 1.此装置作用为在合模前先将顶针板完全复位,从而防止模具损坏;
- 2.根据安装方法不同,可作为复位机构或二次顶出机构使用,适用更广泛;
- 3.内部安装,可避免与模具外部安装零件及水路冲突。

Features

- 1. This early return unit is used to early return the ejector plate before mold closing.
- 2.Be used as Early Return Units or Two-stage Ejector.
- 3.It is mounted into the mold to avoid to collide with the outside parts and cooling system of mold.



复位机构 基本 Round latch locks ^{专利号:ZL 2012 2 0020044.7}



安装使用说明:

- ·根据使用用途进行安装,作为复位机构使用见图1、图2,作为二次顶出使用见图3、图4;
- ·ZZ163与ZZ164需配合使用,外加一支顶针,即可实现复位或二次顶出机构功能
- · 每套模具要求至少使用2套或2套以上推板复位机构, 并且对称安装;
- ·如未对称安装,可能导致单套复位机构受力,因受力不平衡将导致组件断裂;
- · 定期对组件配合部位添加润滑油;
- ·确保复位推杆准确装入顶出杆(ZZ163)的前端部分,请注意如错位将导致模具损坏;
- ·进行配合功能测试,查看复位机构各部位是否顺畅,行程是否吻合。

Installation Guidelines:

- · Mount cam rod into the ejector plate, bushing into the B plate, push pin into the A plate.
- · A minimum 2 sets Early ejector return assembly must to be mounted symmetrically in mold.
- If the early ejector return units were not mounted symmetrically, the uneven force will cause the parts damaged.
- Add the lubricating oil onto the joint area regularly.
 Make sure the early return units are mounted into the cam rod exactly, otherwise, it will cause the
- · After the installation, carry out a functional test, check whether the individual parts work well, whether the stroke is applicable.

功能示意图(复位机构): Functional chart(Used as Early Return Unit):

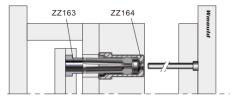


图2 合模状态 Mold closed





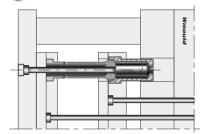
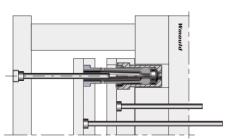


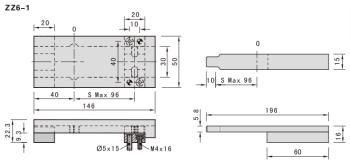
图3 合模状态 Mold closed 图4 顶出状态 Mold opened



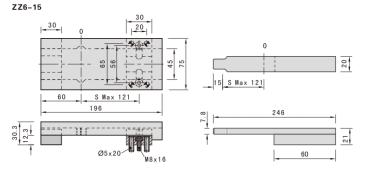
WYHB ECO CO.,LTD

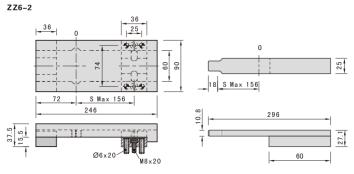
44 复位机构

Push Locks





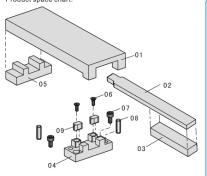






复位机构 Push Locks

产品立体示意图: Product space chart:



安装使用说明:

- 此装置作用为在合模前先将顶针板完全复位,从 而防止模具损坏;
- · 每套模具至少使用两套并且对称安装; · 注意保证同一套模具的多套复位装置的行程一致性, 以避免受力不均衡而损坏;
- · S行程为锁模装置安装在模具上可使用的最大行程, 在实际使用时要通过调整波珠滑块(04)安装位置来 最终确认行程。

Installation Guidelines:

- This round latch lock is used to early return the ejector plate before mold closing to avoid mold
- A minimum 2 sets round latch locks must to be mounted symmetrically in mold.
- Make sure the stroke of latch locks are same, otherwise, the uneven force will cause mold
- · S is the maximum stroke of ZZ6 in mold. The final stroke could be confirmed by adjusting the latch housing (04) in use.



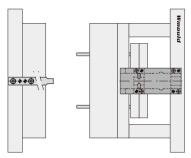
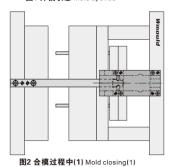


图1 开模状态 Mold opened



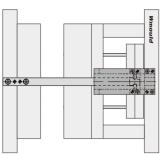
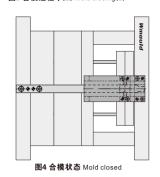
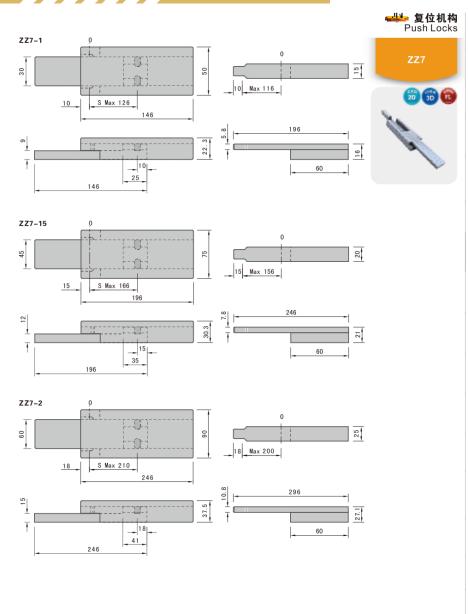


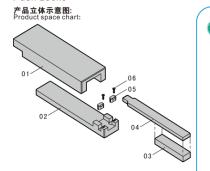
图3 合模过程中(2) Mold closing(2)







复位机构 ——— Push Locks



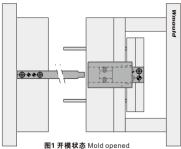
会装使用说明:

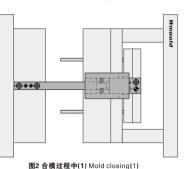
- ·此装置作用为在合模前先将顶针板完全复位,从而 防止模具损坏;
- · 每套模具至少使用两套并且对称安装;
- ·注意保证同一套模具的多套复位装置的行程一致性, 以避免受力不均衡而损坏;
- ·S行程为锁模装置安装在模具上可使用的最大行程;
- ·螺丝(06)只是用于锁模装置在安装在模具上前不会 掉落丢失或安装时遗漏,无实际应用功能。

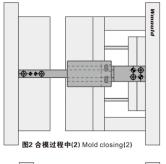
Installation Guidelines:

- This round latch lock is used to early return the ejector plate before mold closing to avoid mold damaged.
- A minimum 2 sets round latch locks must to be mounted symmetrically in mold.
- Make sure the stroke of latch locks are same, otherwise, the uneven force will cause mold damaged
- · S is the maximum stroke of ZZ7 in mold.
- · The screws (06) without function in mold operation.









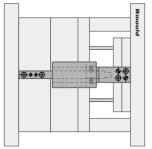


图4 合模状态 Mold closed

Winould TO LL 和 构

7/8- 9

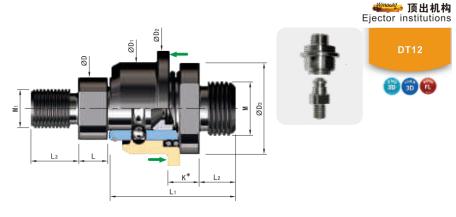
3/4-10

M16×2

M20×1.5 M20×2.5

M16×2

M20×2.5



☎ Order □	T12-400-A	2-B3	M材质:SUJ2	J2 H 硬度:58-62HRC								
Code							L2	L3		拉力(Kgf)	@¥/P	
DT12-300	0.9	1.26	1.575	1.26	0.425	1.675	0.59	0.79	0.37	1450		
DT12-400	1.024	1.496	1.89	1.5	0.498	2.047	0.6	0.787	0.545	2400		
DT12-500	1.378	2.205	2.56	2.047	0.653	2.678	0.709	0.984	0.715	3200		
DT12-600	1.693	2.52	2.913	2.362	0.709	3.405	0.905	1,181	0.906	10000		
DT40 700	0.007	0.000	0.040	0.050	0.474	4 000	4 404	1.181	4.0	40000		

DT12-5	00 1.37	8	2.205	2.56	2.047	0.653	2.6	78 0.70	19	0.984	0.715	3.
DT12-6	00 1.69	3	2.52	2.913	2.362	0.709	3.4	05 0.90	15	1,181	0.906	10
DT12-7	00 2.08	7	2.992	3.346	2.952	0.474	4.2	93 1.18	1	1.101	1.2	40
DT12-3	300				DT12-4	00				DT12-5	500	
	4/0.40	D.	1/2-13		0.5	510.44	B1	7/0 0			5/0.44	
A1	1/2-13	B1			A1	5/8-11		7/8- 9		A1	5/8-11	
A2	M12×1.75	B2	5/8-11		A2	M16×2	B2	3/4-10		A2	3/4-10	E

A1	1/2-13	B1	1/2-13		A1	5/8-11	B1	7/8- 9	A1
A2	M12×1.75	B2	5/8-11		A2	M16×2	B2	3/4-10	A2
		B3	1/2-20				B3	M16×2	Аз
		B4	M12×1.75				B4	M20×1.5	A4
							B5	M20×2.5	
				•			B6	5/8-11	

12-6	600			DT12-7	'00		
						М	
A 1	1 1/4-7	B1	1 1/2-12	A1	1 1/4-7	B1	1 1/2-12





顶出机构 🚧

Ejector institutions

产品工作原理:

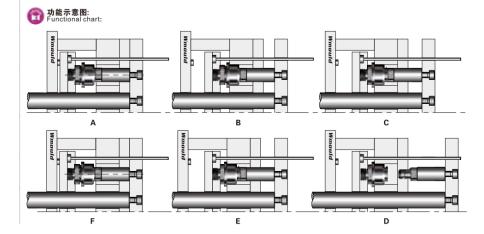
- A:合模状态;
- B:第一次顶出中:通过顶出装置带动顶针板移动,当工件2(主体)碰触到模板时,顶出装置开始打开;
- C:第一次顶出完成:当工件2(主体)运动到K值位置时,插杆被完全释放,第一次顶出完成,顶出行程为H;
- D:第二次顶出状态:插杆与衬套脱离,继续向右运动;
- E:合模中:插杆返回重新插入衬套, (注意:在插杆未完全插入衬套前, 严禁强制复位顶针板);
- F:合模状态。

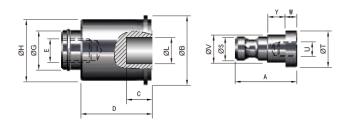
Working diagram:

- A: Mold closed.
- B: 1st travel stroke: round latch lock opened when part 2(body) reach to the ejector plate.
- C: 1st travel stroke finished: The latch bar released totally when part 2(body) reach to K position. Stroke H finished.
- D: 2nd travel stroke: latch bar sliding towards right after apart from bushing.
- E: Mold closing: latch bar have back into the bush (PS: make sure the latch bar are mounted into bushing exactly before returning the ejector plate).
- F: Mold closed.



Code		
DT12-300	1.693	1.338
DT12-400	1.99	1.575
DT12-500	2.756	2.284
DT12-600	3.11	2.598
DT12-700	3.425	3.07









产品特点:

- 1.缩短换模时间;
- 2.可直接在现有模具上安装,节约时间和材料;
- 3.使用不可拆卸的联轴液压复位,能脉动顶出。

Features:

- 1.Shorten mold change-over time.
- 2. Can be put into existing molds to save time and money.
- 3. Hydraulic return by fixed coupling.

☎Order AAR-D-01

Code	А	В	C±0.02	D	E	М	N	O+0.05 +0.02	G	н
AAR-D-	01 38	43	18	43.5	M16	23	18	7	24	38
AAR-D-	2 43	73	24	70.5	M20	42	32	'	42	67

Code	L	s	Y	U	V	w	т	P Min.	Q Min.	拉力(Kgf)
AAR-D-01	15	14.7	11	M12	17.4	7	22.5	48	C+1	40
AAR-D-02	30	29.5	14	M16	29.4	8	40	80	0.1	140

产品立体示意图: Product space chart:

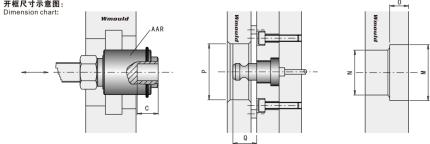






顶出机构 🕮 Ejector institutions

开框尺寸示意图:



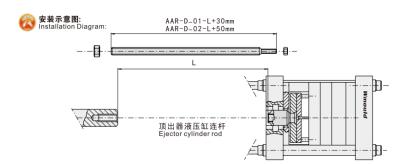


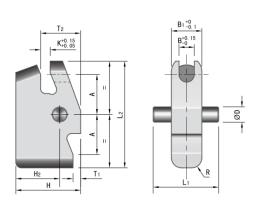
安装使用说明:

- · 把顶出板接到成型位置(模具关闭);
- · 把顶出器液压缸连杆接到完全压缩位置。这非常重要, 在测量之前您可以用手检查, 连杆是否完全推到 了完全压缩的位置;
- ·测量联轴和顶出器液压缸连杆之间的距离;
- ・使用附加分离杆延长顶出器液压缸连杆, AAR-D-01用长度为30mm的分离杆, AAR-D-02使用50mm的;
- ·移动成型板到前面的位置(模具打开);
- ·另外一端固定附加分离杆和快动联轴;
- · 把顶出板移动到模具关闭的位置, 在顶出板和顶出器液压缸连杆中间进行连接。请确认顶出板和顶出器 液压缸连杆在模具关闭的位置上,如果没有,请调整;
- · 顶出装置用于液压顶出器的模具,注意不能和模具快速替换系统一起使用;
- 每套模具只需安装一套顶出装置。

Installation Guidelines:

- · Move the ejector plate to the molding position (mold closed).
- Move also the ejector cylinder rod to the fully retracted position. It's important to check by hand, that the rod is fully pushed back to the fully retracted position before measuring.
- · Measure the distance between the coupling and ejector cylinder rod.
- · Extend the ejector cylinder rod with an extra knock-out rod of the measured length +30mm for AAR-D-01 and 50mm for AAR-D-02.
- Move the mold ejector plates to the forward position (mold open).
- Lock both the extra knock-out rod and the other end of the quick coupling.
 Move the mold ejector plates back to the mold closed position and make the coupling between ejector. plate and ejector cylinder rod. Make sure that the ejector plate and ejector cylinder rod are both in the mold closed position as soon as the coupling is made, if not, adjust.
- · Do not use with quick mold change systems.
- · One set AAR for one mold only.



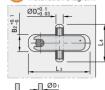




🕰 Order	ZZ141-3	M 村	■ 材质:Cr12MoV ■ 硬度:56±2HRC									
Code												
ZZ141-3	4	4	3	8	8.5	4	10	20	2	10	4	4
ZZ141-6	8	8	6	16	16.5	8	21	42	4	21	8	8

D1	L1	L2	L3	L4	Н	H2	Нз	К	R	s	@¥/P
3	16	26	31	23	19	14	16	3	4	2.5	
6	36	56	63	45	34	23	27	5	0	7.6	
8	30	36	63	40	34	23	21	3	0	7.0	





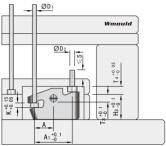


图1 合模状态 Mold closed

产品特点:

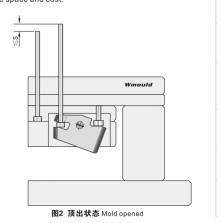
1.可安装一支顶针,在顶出过程中能相对增加额外顶出行程;

2.安装空间小,节约成本。

Features:

1. Mount 1pcs ejector pin can enlarge the stroke during ejecting.

2. Save space and cost.



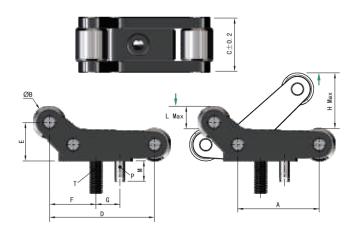


加速顶出 Accelerated ejectors

加速顶出。 Accelerated ejectors







Code	А	В	С	D	Е	F	G	H max.	L max.	М	N	Р	т	荷重(Kgf) max.force	@¥/P
EEP-20	20	8	13.2	25.8	9.4	11.4	6	13.6	5.5	5	15	Ø2.5×10	M3×12	M3×12	
EEP-25	25	10	16	32.3	11.8	14.3	7	17	6.8	6	18.5	Ø 3×12	M4×16	M4×16	
EEP-37	37.5	15	22	48.5	17.7	21.5	10.5	25.5	10.2	8	25	Ø 4×16	M6×25	M6×25	
EEP-50	50	20	29.6	64.6	23.6	28.6	14	34	13.6	10	34	Ø 5×20	M8×30	M8×30	

产品特点:

1.安装空间小,简单安装可实现加速顶出效果。

- ·安装于顶针B板上,顶出过程中实现顶针A板加
- · 每套模具至少使用2套或以上加速顶出机构。

1. Simple mechanical, minimum space double ejection system.

Installation Guidelines:

- · Mount the EEP onto B plate so that can help increasing
- movement of A plate while ejecting.

 A minimum 2 units must be assembled symmetrically to ensure a balanced movement is achieved.

功能示意图: Functional chart:

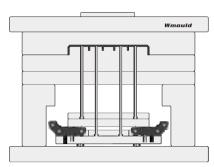


图1 合模状态 Mold closed

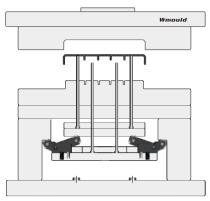
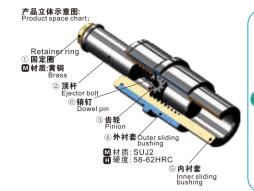


图2 顶出状态 Mold opened

AAE **60 60**





产品特点:

1.快速安装更换顶针设计,只需一个步骤,即可完 成整个顶针更换过程,节约模具维护成本;

1. Quick replacement of ejector pin, minimum space required, save your cost.

安装使用说明:

- ·头部有一小孔(ØP),用于安装一支销钉,起到 顶针止转作用;
- · 所示安装孔都必须垂直于分型面。

Installation Guidelines:

- · The round pocket (ØP) is needed to install dowel pin to stop the turning of ejector pin.
- · All mounting holes should be perpendicular to parting surface.







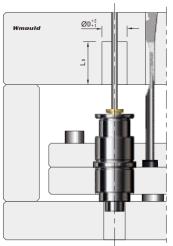


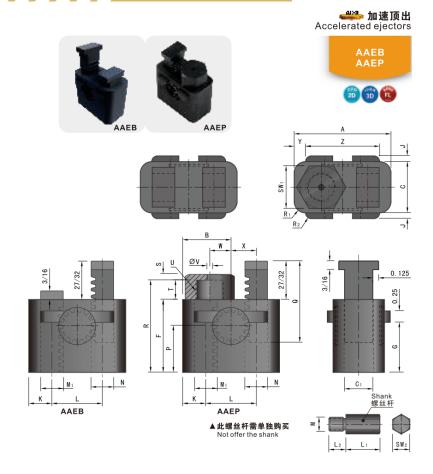


图1 顶出状态(2) Mold opened(2)

Wmould

图2 顶出状态(1) Mold opened(1)





2.025 0.55 0.425 9/16 1/2 1/2 1.03 1.783 1.1 0.51 1.103 17/8 11/4 5/8 15/8 3/4 3/4 1.016 2¹/16 13/16 5/8

Code							Sw1	Sw2				L2	C1		@¥/P
AAEP-10	5/8-18	1/8	0.491	0.551		1.625	15/16	3/8	1/8		3/4	3/8	5/8	5/16-18	
AAEB-10	-	-	-	0.551	0.25	1.025	-	3/0	1/ 0	1/4	3/4	3/0	3/6	3/10-10	
AAEP-20	11/8-12	1/4	5/8	13/16	0.25	2.375	13/8	9/16	3/16	1/4	0.72	1/2	11/8	3/ 8-16	
AAEB-20	-	-	-	13/16		2.375	-	9/16	3/16		0.72	1/2	1 1/8	3/ 8-16	



加速顶出 🚢

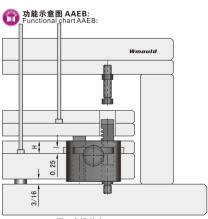
Accelerated ejectors

产品特点:

此产品采用齿轮、齿条转动机构,能提供15.8mm以上的附加顶出冲程。简单到线型运动能增加顶针、司筒针和整个顶出装置的冲程速度;在顶出及回程过程,能够起到平稳的运动过程,不会产生太大的冲击力。

Features:

Accelerated ejectors use a rack and pinion mechanism to provide up to 15.8 mm additional ejector stroke. Their simple, linear movement can be used to increase the speed and stroke of ejector pins, ejector sleeves or entire ejector assemblies. The flanges and rounded corners on these units facilitate installation within the ejector assembly. The rectangular cross section of the racks prevents them from rotating. Included with each unit is a bumper stud which assures positive return of the racks when the ejector assembly is fully returned.



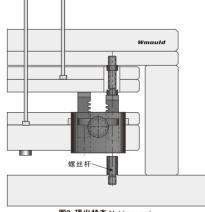
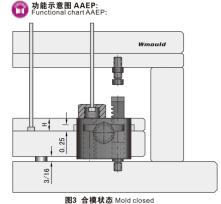
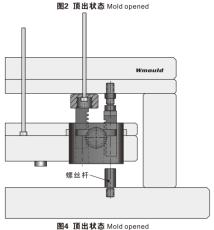
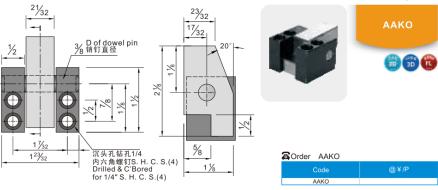


图1 合模状态 Mold closed





加速顶出 Accelerated ejectors



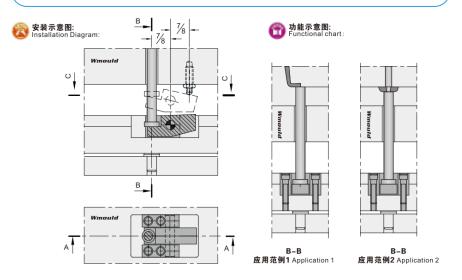
产品特点:

当模具存在较深骨位或所需脱模力较大时,由于一次顶出,制件还不能够完全并脱离模具,这时需要手工 脱模,或者需要增加顶出机构来顶出产品,这就使模具不能更好的实现自动化和增加了模具整体结构。然 而使用该加速顶出来顶产品,即解决了因上述原因造成的顶出问题,大大提高了模具的自动化程度和简化 模具结构。

Features:

The products can not be demoulded completely in the first eject if the mold has thick rib or needs greater force to demould, so that requests demould by hand or by adding the ejector stroke and then increase the mold structure.

If use the accelerated ejectors, it can solve the above problem and then improve the automation and simplify the structure.





侧抽芯 🔐 Slide units

专利号:ZL 2011 2 0456048.5

CCAMM



Tt	
ໄ位螺丝	
mit screw	
动器	
ransmitter	
簧	_
pring	Order
体	
ody	
/ ⑤ 滑块	C
Slide block	CCAN
1	行程=0.16
V	Stroke=0.1

☎Order CCA-100	
Code	@¥/P
CCA-100(Inch) CCAMM-100 (Metric)	
行程=0.16"(4mm) Stroke=0.16"(4mm)	

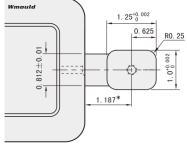
产品特点:

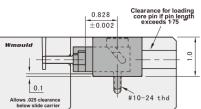
1.外形设计小巧,安装方便,使用简单; 2.主体、滑块、传动器、限位螺丝、弹簧 为一套组件, 无需加工斜导柱孔及一些 繁琐加工,因此可以降低加工成本及加 工时间。

- 1.Small shape, easy to install and use.
- 2.Body ,slide block,transmitter,limit screw,springs are a complete set ,No need to extra processing the angle pin hole and other complicated processing.

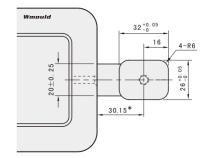
安装示意图:

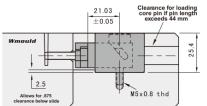






CCAMM-100 公制标准



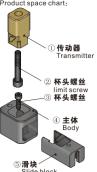


专利号:ZL 2011 2 0456048.5

● 侧抽芯 Slide units



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④⑤:表面发黑处理;

Surface blackening treatment ①:表面镀钛处理。

Surface titanizing treatment

Code	@¥/P
CCA-200 (Inch)	
CCA-200L(Inch)	
CCAMM-200 (Metric)	
CCAMM-200L (Metric)	
(=1D 0.000(E.0)	

行程=0.23"(5.8mm) Stroke=0.23"(5.8mm)

CCAMM

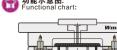


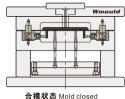
产品特点:

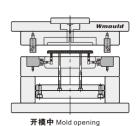
- 1.外形设计小巧, 安装方便, 使用简单;
- 2.主体、滑块、传动器、杯头螺丝为一套组件,无需加工斜导柱孔及一些繁琐加工,因此可以降低加 工成本及加工时间。

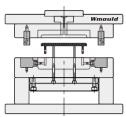
Features:

- 1.Small shape, easy to install and use.
- 2.body.slide block .transmitter,limit screw are a complete set, No need to extra processing the angle pin hole and other complicated processing









开模状态 Mold opened

安装使用说明:

- ·参照开框尺寸图加工安装孔;
- ·用杯头螺丝将传动器固定在A板上,主体、滑块部分固定在B板上;
- ·开模时, 传动器驱动滑块移动, 传动器完全脱离滑块后顶针推出塑胶件便完成整个脱模过程。

Installation Guidelines:

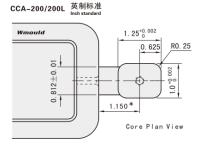
- · Refer to size drawing to processing installed holes .
- · Transmitter will be fixed on A plate by limit screw, body and slide block are both fixed on B plate
- · When mold opening, transmitter drive slide block to move, After transmitter completely drop away from body slide block, ejector pin push plastic parts will finished whole release molds procedure.

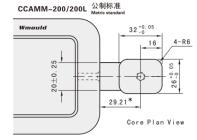


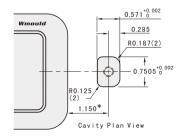


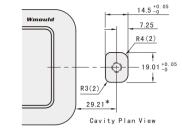


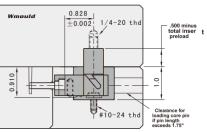


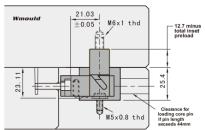




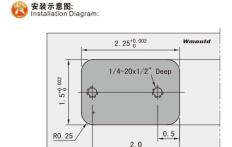




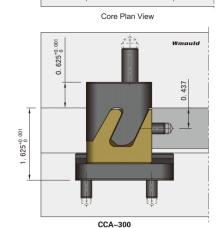


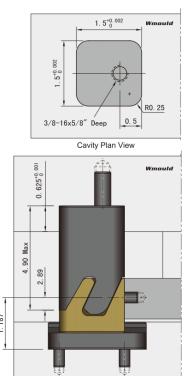






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CCA-300L







产品立体示意图: Product space chart:

①③:表面发黑处理; Surface blackening treatment

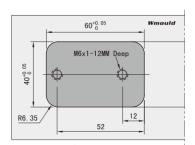
reatment ②:表面镀钛处理。 Surface titanizing treatment

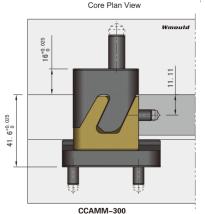


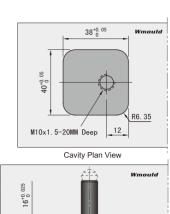
Code	@¥/P
CCAMM-300	
CCAMM-300L	

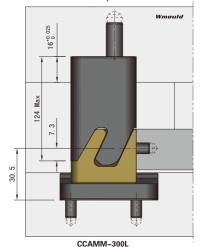
行程=6.35mm Stroke=6.35mm





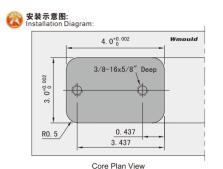


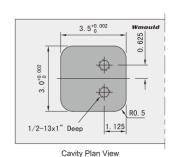


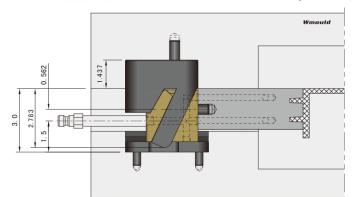






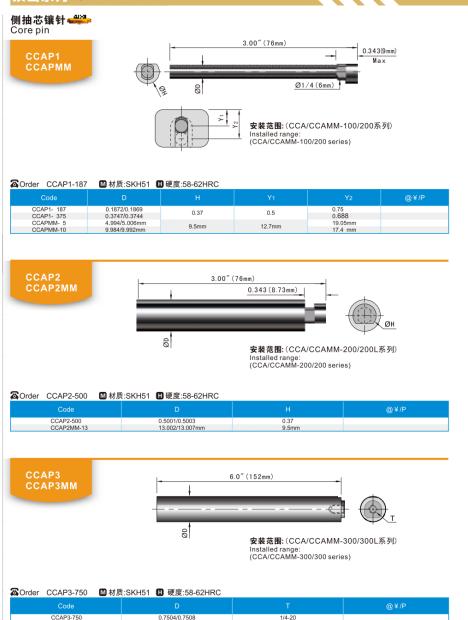


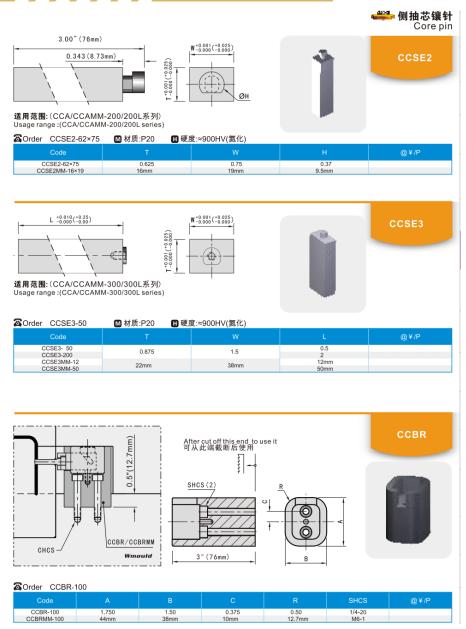




For more information please visit the website: https://yhb.com.vn

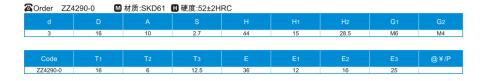


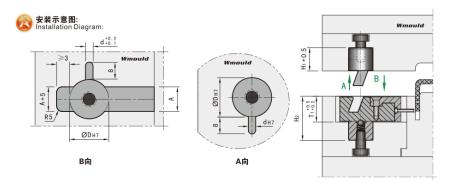


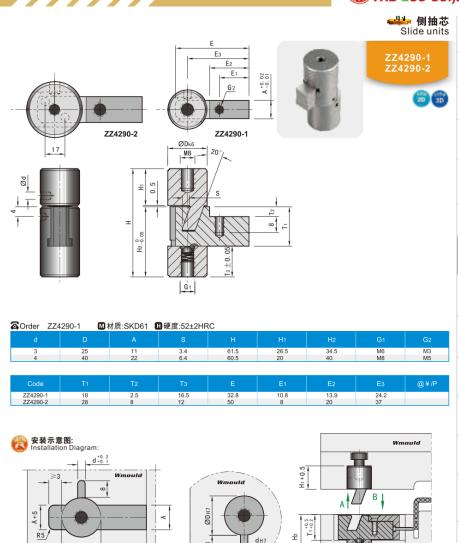












A向

ØDH7

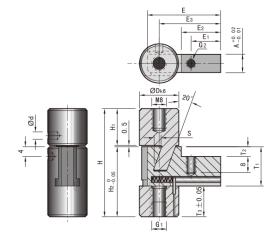
B向



侧抽芯 🚢 Slide units







;	☎ Order ZZ	.4292-1 M	材质:SKD61	H 硬度:52±2HRC								
	3	25	11	3.4	61.5	26.5	34.5	M6	M3			
	4	40	22	6.4	60.5	20	40	M8	M5			

Code	T1	T2	Тз	E	E1	E2	E3	@¥/P
ZZ4292-1	18	2.5	16.5	32.8	10.8	13.9	24.2	
ZZ4292-2	28	8	12	50	8	20	37	



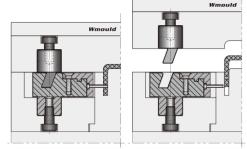


图1合模状态 Mold closed

图2开模中 Mold opening

产品特点:

- 1.结构紧凑,节省安装空间,可缩小模 具整体尺寸;
- 2.规格齐全,适合多种场合应用;
- 3.安装简单,便于维护保养;

- Features: 1.Well-knit structure, save room can
- reduce mold whole size.
 2.Complete product specifications, apply
- to more occasion.

 3. Easy to install and convenient for maintenance.

安装使用说明:

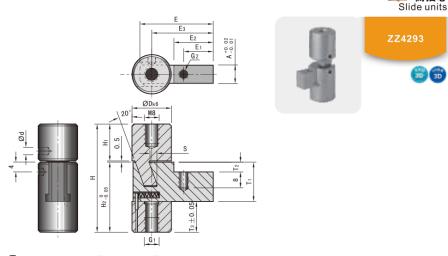
- · 侧型芯部需客户自行加工;
- 注意各可动部分润滑顺畅。

Installation Guidelines:

- · The position of slide core need
- customer to processing.

 Please notes all movable parts must be lubricated smoothly

🚢 侧抽芯



Order	ZZ4293-1 M材质:SKD61		Ⅱ硬度:52±2HRC								
d											
3	25	11	3.4	61.5	26.5	34.5	M6	M3			
4	40	22	6.4	60.5	20	40	M8	M5			

Code	T1	T2	Тз	E	E1	E2	Ез	@¥/P
ZZ4293-1	18	2.5	16.5	36	10.8	13.9	24.2	
ZZ4293-2	28	8	12	56.5	8	20	37	



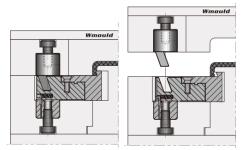


图1合模状态 Mold closed

图2开模中 Mold opening

产品特点:

- 1.结构紧凑,节省安装空间,可缩小模 具整体尺寸;
- 2.规格齐全,适合多种场合应用;
- 3.安装简单,便于维护保养;

- Features: 1.Well-knit structure, save room can
- reduce mold whole size.

 2. Complete product specifications, apply
- to more occasion.

 3.Easy to install and convenient for maintenance.

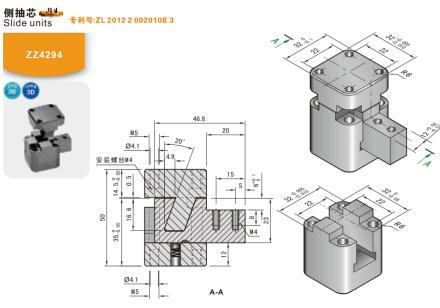
🦳 安装使用说明:

- · 侧型芯部需客户自行加工;
- ·注意各可动部分润滑顺畅。

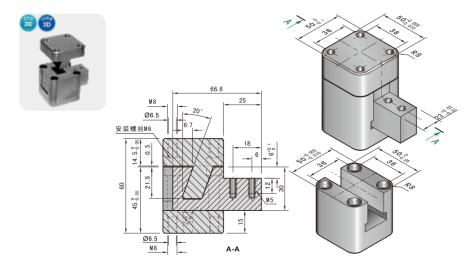
Installation Guidelines:

- · The position of slide core need
- customer to processing.
- · Please notes all movable parts must be lubricated smoothly

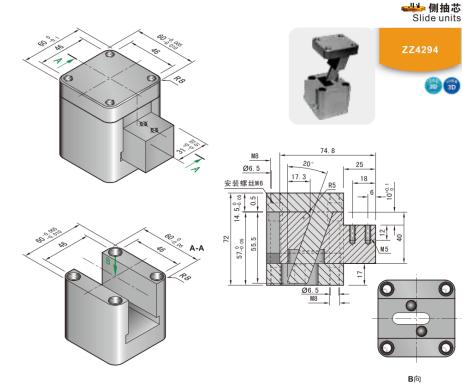




SOrder ZZ4294-0



Corder ZZ4294-1



☎Order ZZ4294-2

产品特点:

- 1.加长行程设计,最大行程达到17.3mm;
- 2.采用双波珠结构锁定滑块,防止开模后滑块因意外滑动错位而损坏;
- 3.结构紧凑,节省安装空间,可缩小模具整体尺寸;
- 4.安装简单,便于维护保养;

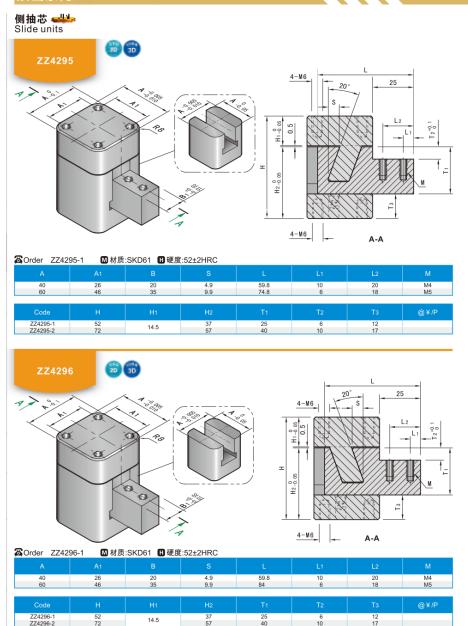
- 1.Lengthening stroke, Max stroke reach 17.3mm.
- 2. Adopt to double wave pearl structure locking slide block to prevent slide block unexpected to slide make wrong position and broke.
- 3. Well-knit structure, save room can reduce mold whole size.
- 4. Easy to install and convenient for maintenance.

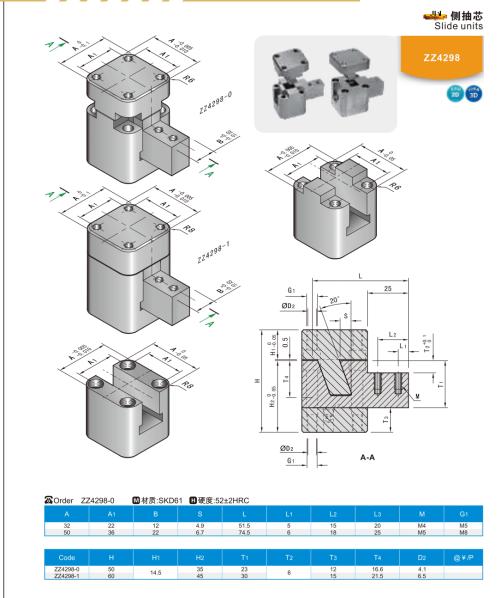
- · 侧型芯部需客户自行加工;
- ·注意各可动部分润滑顺畅。

Installation Guidelines:

- The position of slide core need customer to processing.
 Please notes all movable parts must be lubricated smoothly



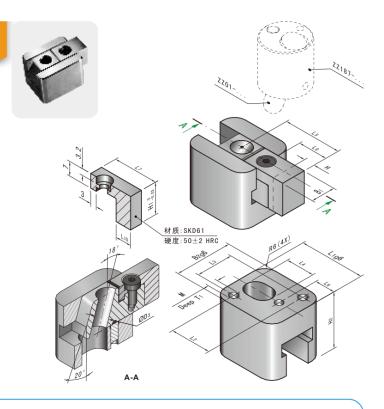






侧抽芯 🛶 Slide units





产品特点:

- 1.结构紧凑,节省安装空间,可缩小模具 整体尺寸;
- 2.安装简单,便于维护保养。

安装使用说明:

- · 需与ZZ187或ZZ1810配合使用;
- · 侧型芯部需客户自行加工;
- 注意各可动部分润滑顺畅。

- Features:

 1. Well-knit structure, save room can reduce mold whole size.

 2. Easy to install and convenient for

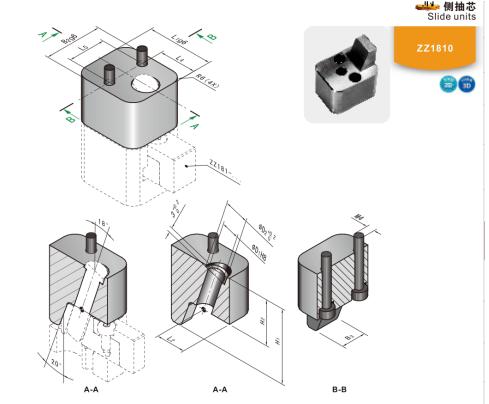
Installation Guidelines:

- The position of slide core need customer to processing.
 Please notes all movable parts must be lubricated smoothly.

&Order 77181-8×12×16

Г										
ı	D1	B1				B2	D3		L10	M
ľ	8	12	16	5	27	28	9	8	8	M5
ı	10	16	18	6.5	32	32	11	10	10	M6

Code	L1	L2	L3	L4	L5	L6	L7	L8	@¥/P
ZZ181- 8×12×16	32	20	18	14	28.5	10	22	14.3	
ZZ181-10×16×18	40	29	20	17	32.5	12	25	15.3	



产品特点:

- 1.结构紧凑,节省安装空间,可缩小模具 整体尺寸;
- 2.安装简单,减少斜度孔的加工。

安装使用说明:

- ・需配合ZZ181使用;
- ·配M4安装螺丝2Pcs。

- Features:
 1.Well-knit structure, save room can reduce mold
- whole size.

 2.Easy to install and convenient for maintenance.

- Installation Guidelines:
 Need ZZ187 or zz1810 to match use it.
 The position of slide core need customer to processing.
 Please notes all movable parts must be lubricated smoothly.

☎ Order Z	Order ZZ1810-8 М材质:Cr12MoV		₩ 硬度:53	3+2HRC							
Code						L2	L4	L5			@¥/P
ZZ1810- 8	8	11	28	11	32	14.2	18	18	36	22	
ZZ1810-10	10	13	32	15	40	17.2	22	20	44	27	



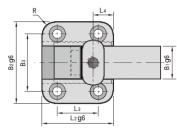
🚢 行位机构

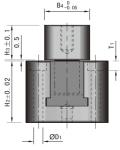


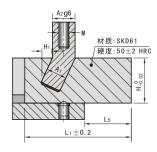












☎Order ZZ1812-10×16×22

									B4		
10	16	22	4.6	30	17	11	40	28	22 30	4.5	4.6
12	25	30	7	40	20	13	55	40	30	6.6	6.8

Code	L1	L2	L3	L4	L5	R	М	@¥/P
ZZ1812-10×16×22	52	35	20	10	22.9	6	M6	
ZZ1812-12×25×30	75	50	35	15	33.8	7	M8	

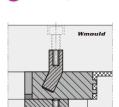
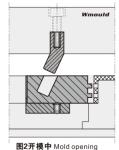


图1合模状态 Mold closed

功能示意图:



产品特点:

- 1.结构紧凑,节省安装空间,可缩 小模具整体尺寸;
- 2.安装简单,便于维护保养;

- 1.Well-knit structure, save room can
- reduce mold whole size.

 2.Easy to install and convenient for maintenance.

🚰 安装使用说明:

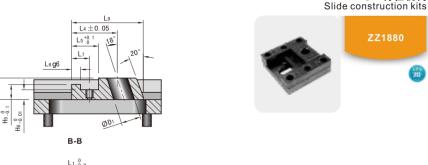
- ·H1值为滑块最大滑动行程;
- · 侧型芯部需客户自行加工;
- ·注意各可动部分润滑顺畅。

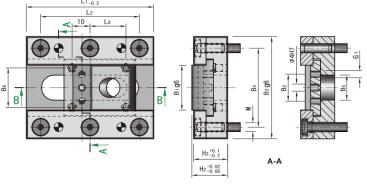
- Installation Guidelines:

 H1 data is max.

 The position of slide core need customer to processing.

 Please notes all movable parts must be lubricated smoothly.





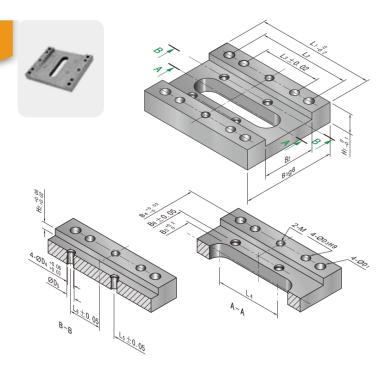
Order	ZZ1880-	12×25×71																									
H1			L2	L4	L5		L7	L8				G1															
	25			25.45						11																	
12	40 63			24.45		5			40																		
	25	25	71	55		15.1		10	20		13	M5															
16	40			28		5.5			45			M4															
	63			27						15																	
20	40			31.7	40.4				50	13																	
20	63 80																		30.7	10.1	18.1 8	13		50			
	40	100	84	00.7				25		45	M6																
25	63	33.45	22.1	10	16		55	15		M5																	
	80																										

Code			B4		B6					@¥/P
ZZ1880-12×25× 71	15	57	44	14	22					
ZZ1880-12×40× 71	20	72	59	14	30	20	19	8.4	5.5	
ZZ1880-12×63× 71	30	95	82	16	50					
ZZ1880-16×25× 71	15	57	44	44	22					
ZZ1880-16×40× 71	20	72	59	14	30	24	23	9.9	6	
ZZ1880-16×63× 71	30	95	82		50					
ZZ1880-20×40×100	20	80	64		30					
ZZ1880-20×63×100	30	103	87		50	30	29	13.4	9	
ZZ1880-20×80×100	40	120	104	16	60					
ZZ1880-25×40×100	20	80	64	10	30					
ZZ1880-25×63×100	30	103	87		50	35	34	15.9	10	
ZZ1880-25×80×100	40	120	104		60					





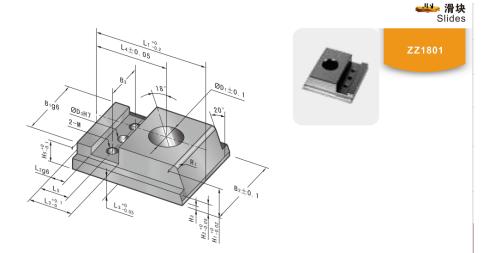




Order	771881-25×57×71	

В3			B4		B6					
57		32	44	44	22					4
72	71	47	59	14	30	12	4	5.5	5	
95		70	82		50					
80		47	64	16	30					6
103	100	70	87	16	50	15	5	6.6	6	
120		87	104		60					

Code		L2	L3	L4		L6		ZZ1801 B1	@¥/P
ZZ1881-25× 57× 71	5							25	
ZZ1881-40× 72× 71		55	35	40	10	20	M5	40	
ZZ1881-63× 95× 71								63	
ZZ1881-40× 80×100	7							40	
ZZ1881-63×103×100		84	60	50		25	M6	63	
ZZ1881-80×120×100								80	



Order Z	Z1801-12×25	×40							
	25						11		
12	40	40			5.5	8.4			1.5
	63		4	1.5			13		
	25		4	1.0	6		13		
16	40	45				9.9		4	
	63						15		
	40						13		
20	63	50	5		9	13.4	13		
	80			2					2
	40		,	2			15		2
25	63	55			10	15.9	15		
	80								

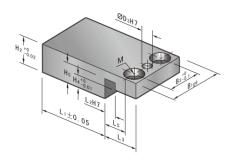
Code	B2	В3	L2	L3	L4	L5	М	@¥/P
ZZ1801-12×25×40	31	15			25.45			
ZZ1801-12×40×40	46	20	5		24.45			
ZZ1801-12×63×40	69	30		15.1	24.40	10		
ZZ1801-16×25×45	31	15	5.5	15.1	28	10	M4	
ZZ1801-16×40×45	46	20			20			
ZZ1801-16×63×45	69	30			27			
ZZ1801-20×40×50	46	20			31.7			
ZZ1801-20×63×50	69	30	8	18.1	31.7	13		
ZZ1801-20×80×50	86	40	10		30.7			
ZZ1801-25×40×55	46	20						
ZZ1801-25×63×55	69	30		22.1	33.45	16	M5	
ZZ1801-25×80×55	86	40						



滑块 🚢 Slides

ZZ1802

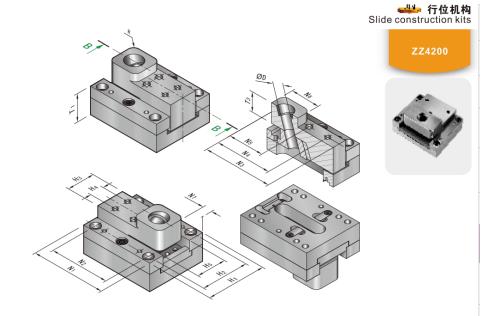




ZZ1802-12×25×30

H1			L2	L3	L5	D3	
12	25 40		5				
	63 25	30		15	10		
16	40		5.5				
	63					А	
	40					7	
20	63 80		8	18	13		
	40	40					
25	63		10	22	16		
	80						

Code				М	@¥/P
ZZ1802-12×25×30	15				
ZZ1802-12×40×30	20	5.5	8.5		
ZZ1802-12×63×30	30				
ZZ1802-16×25×30	15				
ZZ1802-16×40×30	20	6	10	M4	
ZZ1802-16×63×30	30				
ZZ1802-20×40×40	20				
ZZ1802-20×63×40	30	9	13.5		
ZZ1802-20×80×40	40	9			
ZZ1802-25×40×40	20				
ZZ1802-25×63×40	30	10	16	M5	
ZZ1802-25×80×40	40		10	mo	



Order	ZZ4200-ŀ	11-T1-N1																												
			Туре																											
50 55			Α	38 43	18 23	-	20 25				65	50																		
60 70		75 28 90 42 100	75		48 58	28 38	14 22	30 40			60																			
80 90	28			68 78	48 58	32 42	50 60	44	20		70	57																		
60 70			90	90 B	В	48 58	28 38	14 22	30 40	11	20	70																		
80 76				90	90	30	00	00	00	50	90	30	30		00	00	50	30	55	50	30	68 62	48 38	32 18	50 40					
86	42				72	48	28	50			76	82.5	65																	
96				82	58	38	60																							

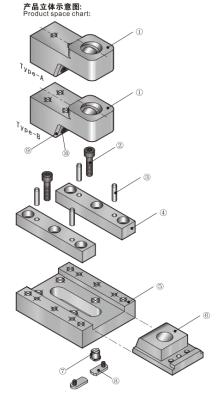
Code	N5	N6	N7	D	D2	D5	D6	R	@¥/P
	26	20	10	8 10				5	
ZZ4200	36	30	5	12	M6	M5	M5	6	
	36.5		17.5		M8	M6	M6		





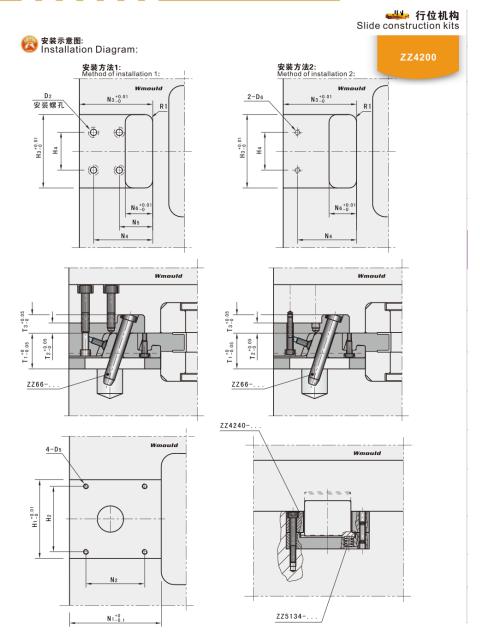
77420





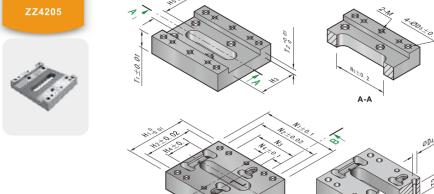
序号	品名/规格	数量(PCS)
1	ZZ4220	1
2	螺栓	2
3	销钉	4
4	ZZ4240	2
5	ZZ4205	1
6	ZZ4210	1
7	ZZ5134	1
8	ZZ4211	2
9	ZZ4230	1
10	4要4T	1/2

☎ Order ZZ4	1200-H1-T1-N1							
ZZ4200	ZZ4205- (1x)	ZZ4210- (1x)	ZZ4220- (1x)	ZZ4230- (1x)	ZZ4240- (2x)	ZZ5134- (1x)	ZZ4211- (2x)	@¥/P
50-28- 75	50-17- 75	20-16-40	18-15-65	18-15-4				
55-28- 75	55-17- 75	25-16-40	23-15-65	23-15-4				
60-28- 75	60-17- 75	30-16-45	28-15-70	28-15-4	15-11- 75			
70-28- 75	70-17- 75	40-16-45	38-15-70	38-15-4	15-11- /5			
80-28- 75	80-17- 75	50-16-45	48-15-70	48-15-4				
90-28- 75	90-17- 75	60-16-45	58-15-70	58-15-4		7	4	
60-28- 90	60-17- 90	30-16-45	28-15-70	28-15-4		′	1	
70-28- 90	70-17- 90	40-16-45	38-15-70	38-15-4	15-11- 90			
80-28- 90	80-17- 90	50-16-45	48-15-70	48-15-4				
76-42-100	76-20-100	40-30-64	38-29-82.5	38-29-6				
86-42-100	86-20-100	50-30-64	48-29-82.5	48-29-6	18-22-100			
96-42-100	96-20-100	60-30-64	58-29-82.5	58-29-6				



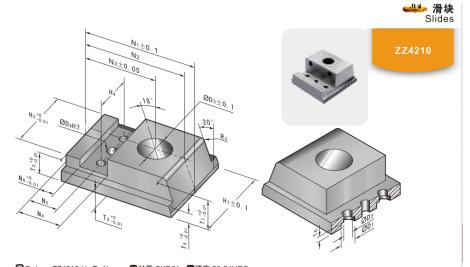






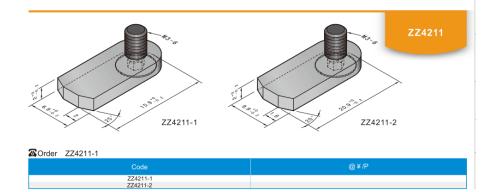
Order	ZZ4205-H1-T1-l	N1 M 材质	ճ:SKD11 🖪	硬度:58±2HF	RC				
H1									
50			38	26	18	9			
55			43	31	21	11			
60		75	48	36	25				
70		15	58	46	32				
80	17		68	56	42		5	12	M5
90			78	66	52	13			
60			48	36	25				
70		90	58	46	32				
80			68	56	42				

Code	N2	N3	N4	N5	D1	D3	D4	D5	@¥/P
ZZ4205	60	40	10	51	7	4	5	5.5	
224200			10		,	7		0.0	
	70	50		61					



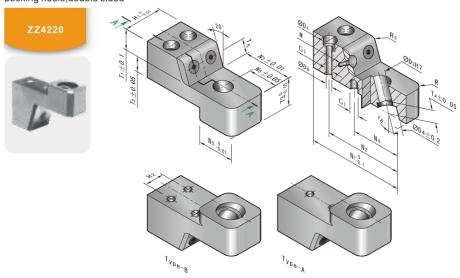
Order	ZZ4210-H2-T1-	N1 幽 初原	页:SKD61	₩ 使 接:50-54H	RC				
H2									
20		40	25	13				2.4	35
25		40	30	15	0				35
30	16		35	18		5	5	3.2	
40	10	45	45	25	0				40
50		40	55	30					40
60			65	40					

Code									@¥/P
	24				6	3.2	9 11	3	
ZZ4210	26	15	10	5	8	4.3	13	4	



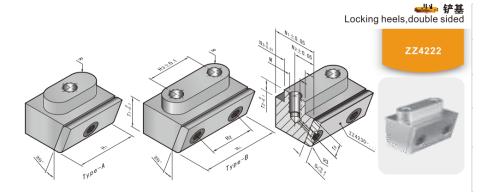


铲基 🖐 Locking heels,double sided

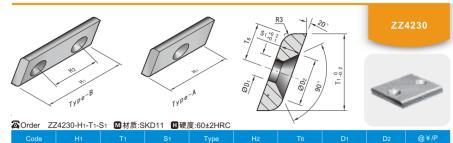


2	ZZ422	20-H1-T1-N	l1 🖸	材质:SK	D11 田 硬	度:60±2H	RC						
				Туре									
Г	18 23		65	Α	-			3 4		50	25	26	20
	28 38 48 58	15	70		14 22 32 42	11	20	6	8	57	35	36	30
	38 48 58	29	82.5	В	18 28 38				15	65	37.5	36.5	
	78 98		95		44 64	14	25	8		73	46	49	42
	35 55	45	115	A	- 28	19	33	10	22	94	60	59	47

Code	N6	D1	D3	D4	D6	R	М	G1	@¥/P
	14		8 10	11.5 14.5		5			
	21	10			5.3		M4	M6	
ZZ4220			12	17		6			
224220	22.5	11			6.4			M8	
	28	15	16	21	8.4	8	M6	M10	
	33	18	20	26	10.4	0		M12	



Order	ZZ4222	-H1-T1	■材质	友:SKD11	■硬度	₹:60±2HI	RC							
Code			Туре											@¥/P
	18 23		Α	-	4 9									
	28 38	15		14 22	14 22	6	8	22	11	12	4	4.3		
	48			32	32								M6	
	58		_	42	42									
ZZ4222	38 48		В	18 28	18 28									
224222	58	29		38	38	10	15	38.6	18.6	18				
	78			44	58									
	98			64	78						6	6.5		
	35		Α	-	13								M10	
	55	45		28	28	12	22	48.6	21.6	20			10	
	78	45	В	50	50	22	40.6	21.6	20					
	98			70	70									



Code				Туре					@¥/P
	18			Α	_				
	23			A					
	28	15	4		14	8	4.5	9.2	
	38	15	4		22	0	4.5	9.2	
	48				32				
	58				42				
ZZ4230	38			В	18				
	48				28				
	58	29			38	15			
	78				44				
	98		6		64		6.6	13.7	
	35			A	-				
	55	45			28	22			
	78	45		В	50	22			
	98				70				

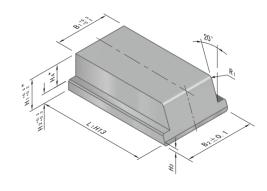




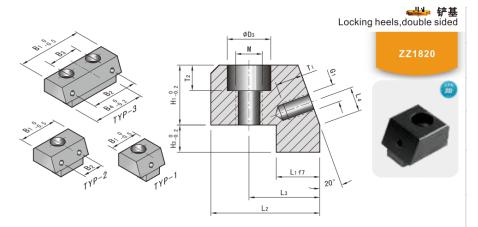
ZZ180







Code			B1	B2					@¥/P
ZZ180-12× 40× 20			20	26					
ZZ180-12× 40× 25	12	40	25	31			8		
ZZ180-12× 40× 40	12	40	40	46			·		
ZZ180-12× 40× 63			63	69	4	1.5		1.5	
ZZ180-16× 50× 20			20	26	7	1.5		1.0	
ZZ180-16× 50× 25	16	50	25	31			12		
ZZ180-16× 50× 40	10	50	40	46			12		
ZZ180-16× 50× 63			63	69					
ZZ180-20× 63× 40			40	46					
ZZ180-20× 63× 63	20	63	63	69	5	2	15	2	
ZZ180-20× 63× 80			80	86					
ZZ180-25× 71× 40			40	46					
ZZ180-25× 71× 63	25	71	63	69			20		
ZZ180-25× 71× 80			80	86					
ZZ180-32×100× 63			63	71					
ZZ180-32×100× 80	32		80	88			26		
ZZ180-32×100×100		100	100	108	6	3		3	
ZZ180-40×100× 63			63	71	, and			· ·	
ZZ180-40×100× 80	40		80	88			34		
ZZ180-40×100×100			100	108					
ZZ180-50×112× 80			80	90					
ZZ180-50×112×100	50		100	110			42		
ZZ180-50×112×125		112	125	135	8	4		4	
ZZ180-63×112× 80			80	90	-				
ZZ180-63×112×100	63		100	110			55		
ZZ180-63×112×125			125	135					



Z Z1820-12×	18	™ 材质:SK	〕材质:SKD11										
Code	ZZ180 H1					L2	L3	L4		@¥/P			
ZZ1820-12×18 ZZ1820-12×22 ZZ1820-12×30 ZZ1820-12×50	12	18 22 30 50	11		8	20	13	4.5	10				
ZZ1820-12*50 ZZ1820-16*18 ZZ1820-16*22 ZZ1820-16*30 ZZ1820-16*50	16	18 22 30 50	15	5	10	25	17	7	11				
ZZ1820-20×30 ZZ1820-20×38 ZZ1820-20×53	20	30 38 53	19	6		32	20	10					
ZZ1820-25×30 ZZ1820-25×38 ZZ1820-25×53	25	30 38 53	24	8	12	40	25	13	15				
ZZ1820-32×38 ZZ1820-32×50 ZZ1820-32×71	32	38 50 71	31	9	16	45	28	17	15				
ZZ1820-40×38 ZZ1820-40×50 ZZ1820-40×71	40	38 50 71	39	11	10	50	30	21					
ZZ1820-50×50 ZZ1820-50×63 ZZ1820-50×85	50	50 63 85	49	14	20	56	34	26	18				

☎ Order ZZ18	20-12×18	☑ 材质:SKD1	1 田 硬度:5	8±2HRC					
Code			B4			Тур			@¥/P
ZZ1820-12×18 ZZ1820-12×22 ZZ1820-12×30 ZZ1820-12×50	- 16 36	- 24	10 12 20 40	5	5.7	1 2 3	М 6		
ZZ1820-16×18 ZZ1820-16×22 ZZ1820-16×30 ZZ1820-16×50	- 16 36	- 24	10 12 18 38		6.8	1 2 3	М 8	M4	
ZZ1820-20×30 ZZ1820-20×38 ZZ1820-20×53 ZZ1820-25×30 ZZ1820-25×38 ZZ1820-25×53	16 24 39 16 24 39	- 25 - 25	16 24 39 16 24 39	7		2 3 2 3			
ZZ1820-32×38 ZZ1820-32×50 ZZ1820-32×71 ZZ1820-40×38 ZZ1820-40×50 ZZ1820-40×71	18 30 51 18 30 51	20 35 - 20 39	20 32 53 20 32 53	10	9	2 3 2 3	M10	M6	
ZZ1820-50×50 ZZ1820-50×63 ZZ1820-50×85	30 43 65	- 30 45	28 41 63		11	2 3	M12		

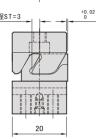








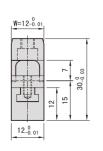




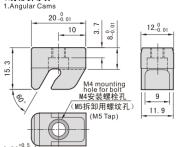
MMSCSG-3-12 (带嵌入部加工)



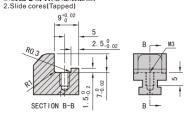
MMSCSGM-3-12 (带螺纹加工)



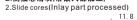
1.方形斜导块

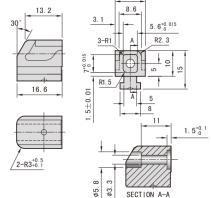


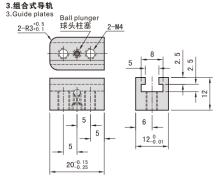
2.侧抽芯滑块(带螺纹加工)



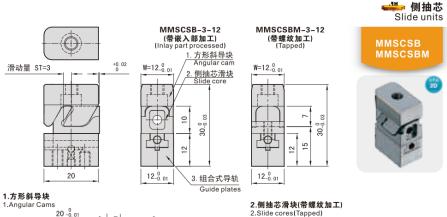
2.侧抽芯滑块(带嵌入部加工)

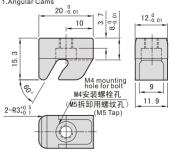


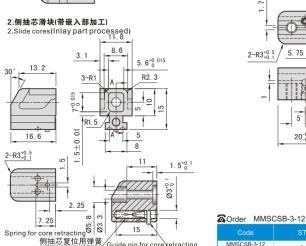




	CSG-3-12	注 :单套制作	,不可实现互换
Code			@¥/P
MMSCSG-3-12 MMSCSGM-3-12	3	12	







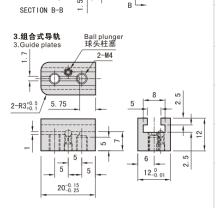
WLH2. 8-15

4.5~7.5N

Guide pin for core retracting

侧抽芯复位用导销

SECTION A-A



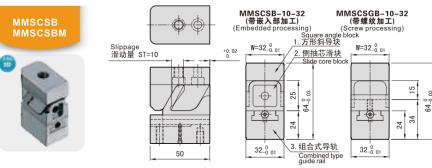
2. 5_0. 02

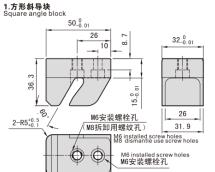
⊘ Orae	r iviiviə	USB-3-12	注:平芸制作, 个月头戏互换					
C	ode			@¥/P				
	SB-3-12 SBM-3-12	3	12					

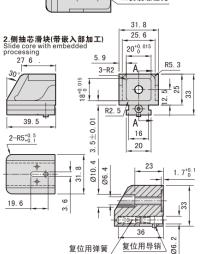
2. 英女制作 不可觉现在物



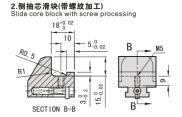


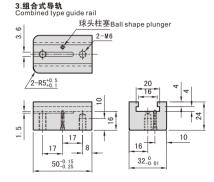




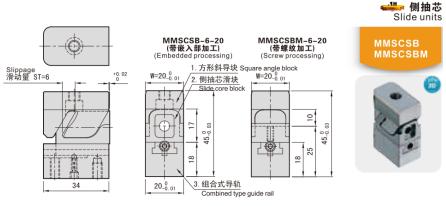


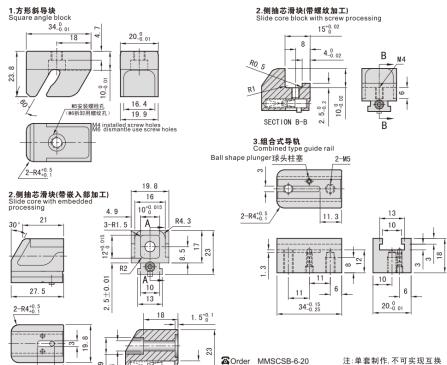
SECTION A-A





☎ Order MMS0	CSB-10-32	注 :单套制作	,不可实现互换
Code			@¥/P
MMSCSB-10-32 MMSCSBM-10-32	10	32	





MMSCSB-6-20

MMSCSBM-6-20

20

4.8

复位用弹簧

13.8

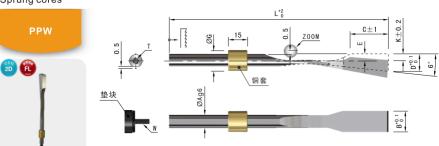
25

SECTION A-A



弹弓顶针 → Sprung cores

专利号:ZL 2012 2 0020043.2



产品特点:

- 1.结构简单,安装空间要求小,仅为一支顶针的大小;
- 2.安装方便,简化了加工工序,从而节约成本;
- 3.可单独使用,也可两支配合使用;
- 4.此款弹弓顶针所有型号都配有垫块与安装螺丝;
- 5.型号以30结尾的加长型弹弓顶针配有铜套。(其它型号未配铜套)

Feature

- 1. Simple structure, small installation space, only same as ejector pin size.
- 2. Easy to install, simplify processing procedure and save cost.
- 3. Can use it lonely or two pcs to use together.
- 4. Each code of the sprung core have pad and installed screw.
- 5. 30 ending code of lengthening sprung core have brass bush.

☎Order PPW-060622

Code	А	В			Е		К									@¥/P								
PPW-060622		6.2	22	9		-	3.5	125	16	18														
PPW-060630	6	0.2	30	10	3.5	12	4.5	175	20	26	1.25	12	5	M4×36	M4×16									
PPW-060822	0		22	9	3.5	-	3.5	125	16	18	1.23	12	5	IVI4^30	IVI4^ 10									
PPW-060830		8.2	8.2 30 10	10		12	175	20	26															
PPW-080825			25	11.5																				
PPW-081025	8	8 10.2 12.2	10.2	25	11.5			4.5	140	18	21													
PPW-081030			10.2	30	11.2	4.5	12	4.5	175	20	26	2	14	6	M5×36	M5×16								
PPW-081225			3	0	8	ð	0	0	3	Ü	3		26 11	11.5		-		140	18	21				
PPW-081230		12.2		11.2		12																		
PPW-101430		14.2	30					175	20	00														
PPW-101630	10	16.2	30	13.6	5.5	16	5.5	1/5	20	26	2.5	18	8	M6×36	M6×16									
PPW-101830		18.2																						

- 1. 当标准件无法满足实际使用要求时, 我司可代为设计非标弹弓顶针;
- 2. 如需我司代为设计非标弹弓顶针,请提供塑胶产品3D及模具图;
- 3. 如有疑问, 欢迎来电咨询!
- 1. When standard parts can't meet real demand, our company can design nonstandard sprung core.
- 2. If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
- 3. Any doubt, welcome inquiry us!

专利号:ZL 2012 2 0020043.2



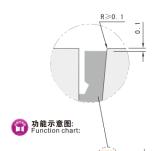


安装使用说明:

- · 为确保顺利脱模, 建议倒钩位做相应的拔模斜度(建议≥5°);
- ·弹弓顶针斜度面(即胶位背面)与型芯完全贴合(即保证贴合长度C值);
- ·安装时如弹弓顶针长度过长,可从尾部截短;(截短后锁紧螺纹深度也会相应变浅,如截取长度过长时,需非标定制)。
- ·弹弓顶针斜度面(即胶位背面)与型芯完全贴合(即保证贴合长度C值);

Installation Guidelines:

- · In order to sure release smoothly, suggest barb position do correspondding withdrawal gradient.
- · Sprung core gradient (the reverse side of rubber position) and core completely plying-up(Guarantee
- If sprung core too length when install it, can cut off from end, (after cutting off to locking screw depth corresponding is shallow, if cut off long length, need nonstandard custom made)



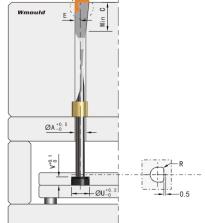


图1 合模状态

Mold closed

成型位加工极限参考尺寸:

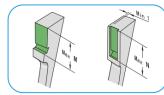
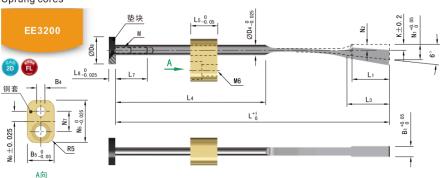




图2 顶出状态 Mold opend



弹弓顶针 **PIN** Sprung cores



产品特点:

- 1.结构最简单的倒钩脱模机构,相对斜顶滑座,安装空间更小;
- 2.安装方便, 简化了加工工序, 从而节约成本;
- 3.此款弹弓顶针所有型号都配有垫块、铜套以及安装螺丝;
- 4.可单独使用,也可两支配合使用,配合使用请参考型号"EE3202"。

Feature

- 1. Simple structure, small installation space, only same as ejector pin size.
- 2. Easy to install, simplify processing procedure and save cost.
- 3. Can use it lonely or two pcs to use together . Match use together refer to code EE3202.
- 4. Each code of the sprung core have pad and installed screw.
- 5. 30 ending code of lengthening sprung core have brass bush.

SOrder EE3200-6-9.0-162

				L3	L4		L7	L8		
6.2	9	162	22	24.3	88				3.5	3.5
8.2 10.2										
12.2	11.5	200	26	30	111	16	19	4	4.5	4.5
14.2	12.5	200	30	33.1	107				4.5	4.5

Code	B4	B 5	D4	D8	N5	N6	N7	М	@¥/P
EE3200- 6- 9.0-162	4.83		5.94					M4	
EE3200- 8- 9.0-162 EE3200-10-11.5-200	5.08	40	6.35 7.92	16	25	6			
EE3200-12-11.5-200	7.37	16					12	M5	
EE3200-14-12.5-200 EE3200-16-12.5-200									

- 1. 当标准件无法满足实际使用要求时, 我司可代为设计非标弹弓顶针;
- 2. 如需我司代为设计非标弹弓顶针,请提供塑胶产品3D及模具图;
- 3. 如有疑问,欢迎来电咨询!
- 1. When standard parts can't meet real demand, our company can design nonstandard sprung core.
- 2. If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
- 3. Any doubt, welcome inquiry us!

and the

安装使用说明:

- ·安装在模具型芯内,必须保证弹弓顶针斜度面(即胶位背面)与型芯完全贴合(即保证贴合长度L3值);
- ·弹弓行程(K值)是指弹弓顶针在完全弹开后最高点行程,最高点延下相应会逐渐变小;
- · 所有孔位加工都与分型面成直角;
- · 为确保顺利脱模,建议倒钩位做相应的拔模斜度(建议≥5°);
- 此款弹弓顶针可非标定制。

7///////

Installation Guidelines:

- Install in mould core, must be sure sprung core gradient (the reverse side of rubber position) and core completely plying-up (Guarantee plying -up length L3 value).
- Sprung core stroke K value is show sprung core max highest stroke after completely spray, From max highest the value corresponading became smaller
- · All holes position processing and joint face turn into right angle.
- · In order to sure release smoothly, suggest barb position do corresponding withdrawal gradient.
- · Nonstandard custom made.

R≥0.1



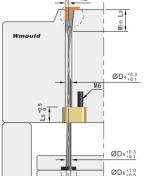
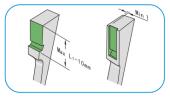


图1 合模状态 Mold closed

成型位加工极限参考尺寸:



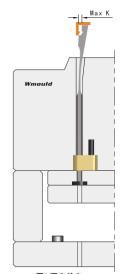
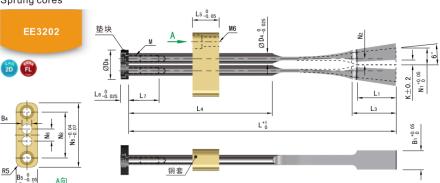


图2 顶出状态 Mold opend





产品特点:

- 1.结构最简单的倒钩脱模机构,相对斜顶滑座,安装空间更小;
- 2.安装方便, 简化了加工工序, 从而节约成本;
- 3.此款弹弓顶针所有型号都配有垫块、铜套以及安装螺丝;
- 4.两支配合使用,可实现双面或者多面倒钩脱模。

Feature

- 1. Simple structure, small installation space, only same as ejector pin size.
- 2. Easy to install, simplify processing procedure and save cost.
- 3. Each code of the sprung core have pad and installed screw.
- 4. Two pieces use together can come true double face or more faces barb release mould.

Torder EE3202-6-9.0-162

B1				L3	L4			L8		L2		
6.2	9	162	22	24.3	88				3.5	12.5	45	7
12.2	11.5		26	30.0	111	20	19	6		16.5		
14.2	12.5	200	30	33.1	107	20	19	0	4.5	20	48	9
16.2	12.0		30	33.1	107					20		

	Code	B4	B 5	D4	D8	N7	N8	К	М	@¥/P
1	EE3202- 6- 9.0-162	4.83		5.94	20	13	32.3	3.5	M4	
-	EE3202-12-11.5-200		16							
1	EE3202-14-12.5-200	7.37	10	7.92	22	17	34.3	4.5	M5	

- 1. 当标准件无法满足实际使用要求时,我司可代为设计非标弹弓顶针;
- 2. 如需我司代为设计非标弹弓顶针,请提供塑胶产品3D及模具图;
- 3. 如有疑问, 欢迎来电咨询!
- 1. When standard parts can't meet real demand, our company can design nonstandard sprung core.
- 2. If need us to design nonstandard sprung core, please provide plastic products 3D or mould drawing.
- 3. Any doubt, welcome inquiry us!



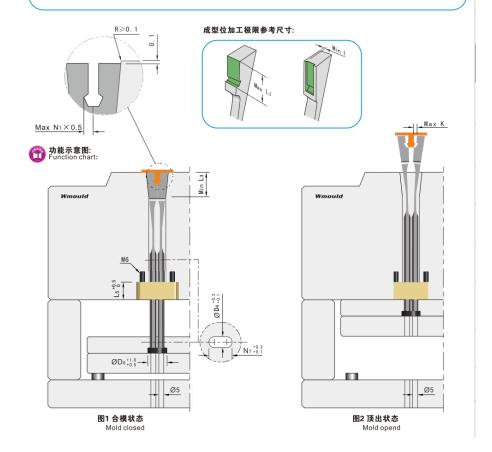
安装使用说明:

- ·安装在模具型芯内,必须保证弹弓顶针斜度面(即胶位背面)与型芯完全贴合(即保证贴合长度L3值);
- ·弹弓行程(K值)是指弹弓顶针在完全弹开后最高点行程,最高点延下相应会逐渐变小;
- · 所有孔位加工都与分型面成直角;
- ·为确保顺利脱模,建议倒钩位做相应的拔模斜度(建议≥5°);
- 此款弹弓顶针可非标定制。

7///////

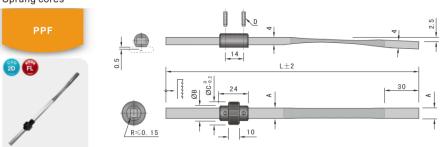
Installation Guidelines:

- Install in mould core, must be sure sprung core gradient (the reverse side of rubber position) and core completely plying-up(Guarantee plying -up length L3 value).
- Sprung core stroke K value is show sprung core max highest stroke after completely spray, From max highest the value corresponading became smaller
- · All holes position processing and joint face turn into right angle.
- · In order to sure release smoothly, suggest barb position do corresponding withdrawal gradient.
- Nonstandard custom made.



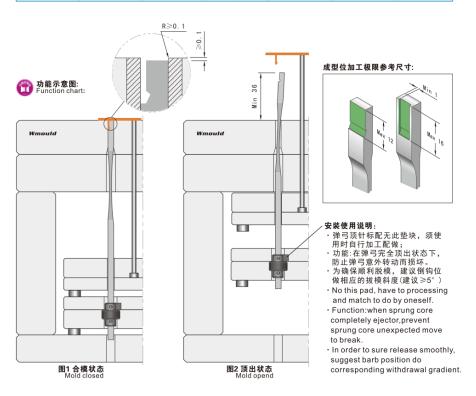


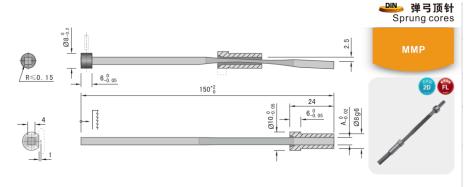




☎Order PPF-A

Code		ØB		ØD		@¥/P
PPF-06	6	M10×0.75	16	Ø3× 8	150	
PPF-08	8	M12×0.75	18	Ø4×10	150	
PPF-10	10	M14×0.75	20	Ø4×12	200	
PPF-12	12	M16x0 75	22	Ø4×14	200	





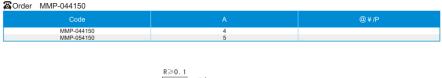
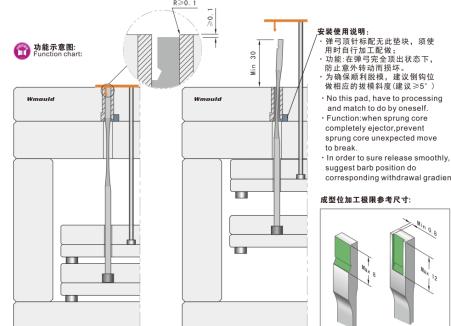
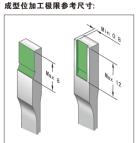


图2 顶出状态

Mold opend



corresponding withdrawal gradient.



For more information please visit the website: https://yhb.com.vn

图1 合模状态

Mold closed

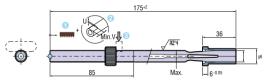


斜顶滑座 DIN Slide core units

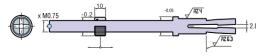
四瓣弹弓顶针 🐸 Sprung cores

EE





注:此①②③点为客户自行加工配做。



REF	А	В	С	D	E	н	U	V	Balinito
EE.060175	6	10	12	12	-	9	0.5	10	
EE.082175	8	12	14	14	2	11	0.5	10	
EE.103175	10	14	16	16	3	13	0.5	15	
EE.124175	12	16	18	18	4	15	0.5	15	•
EE.168175	16	20	22	22	8	19	1	20	

注:以上非标长度在250-325mm之间

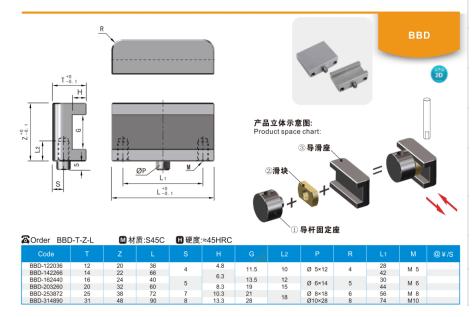
注意事项:

- 1. 当标准件无法满足实际使用要求时,我司可代为设计非标弹 弓顶针;
- 2. 如需我司代为设计非标弹弓顶针,请提供塑胶产品3D及模具 图;
- 4. 如有疑问,欢迎来电咨询!

Ra 0.1 ES IMPORTANT ADA Min. 30 Hint Ada Min. 30

透用斜顶杆: PA 特点: 1.滑块部分采用高强度黄铜制作,经久耐用; 2.可安全稳定的固定斜顶杆,节省顶针板使用空间。 Feature: 1. Slide parts adopt high strength brass made, durable in use. 2. Safety and stable fixed angle bar, same ejector pin plate usage space.

☐Order DDF-D- ☐	T1-C M 材	t质:SKD61	₩ 硬度:51±3HF	RC				
Code								@¥/P
DDF-061220	6	40	20	44.5	40	5.5	M 4×12	
DDF-081220	8	12	20	11.5	10	7.5	M 5×12	
DDF-101624	10	16	24	13.5	12	9.5	M 6×16	
DDF-121624	12	10	24	13.5	12	11	M 8×16	
DDF-162032	16	20	32	19	16	14.5	M 8×22	
DDF-202538	20	25	38	21	19	18.5	M10×25	
DDF-253148	25	31	48	28	24	23	M12×35	



产品特点:

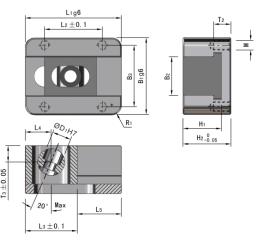
- ·整合四瓣自动弹开机构于一体,可调式设计,拆装
- ·可简易作出多面塑胶倒钩件,垂直顶出,保证塑胶件的倒钩成型更为精确;
- ·除尺寸最小的一款外,其他三个型号都可内镶一枚 顶针,做特殊顶出件;
- ·自带套筒,定位更准确,无需对模胚另作特殊孔位 线切割加工或放电加工:
- ·该机构最简单的倒钩脱模机构,相对斜顶滑座,安 装空间更小,简化了加工工序;
- · 所有孔位加工均与分型面成90°角,加工简易,优 化模具结构,从而节约成本、提高效率;
- ·自带可调节固定环,内镶塑胶圈,稳定可靠,螺牙 牙距达0.75mm,可进行良好的微调,简化了加工工程。



斜顶滑座 🕮 Slide core units





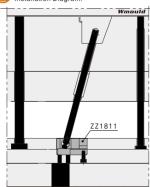


🕿 Order	ZZ1811-D

—									
							L2	L3	L4
10	40	20	32	20	25	50	30	27	13.5
1/	49	25	30	28	25	70	50	35	17.5

Code	D1	L5	T2	Тз	R1	M	@¥/P
ZZ1811-10	10	23	10	8.5	5	M5	
ZZ1811-14	14	35	12	12.5	6	M6	

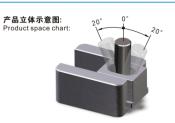
安装示意图: Installation Diagram:



产品特点:

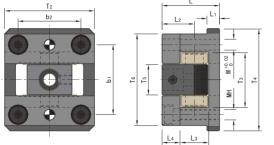
- 1.与DTK、KOCU-F等斜顶滑座相比,摆动角度更自由,
- ZZ1811可在0°到20°之间任意角工作;
- 2.结构简单,安装方便。

- 1. Compare with DTK, KOCU-F etc slide units, the ZZ1811 with more flexibility and can work from 0-20°.
- 2. Simple structure and easy to install.

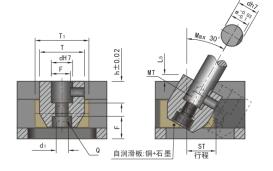


斜顶滑座 Slide core units

2D FL







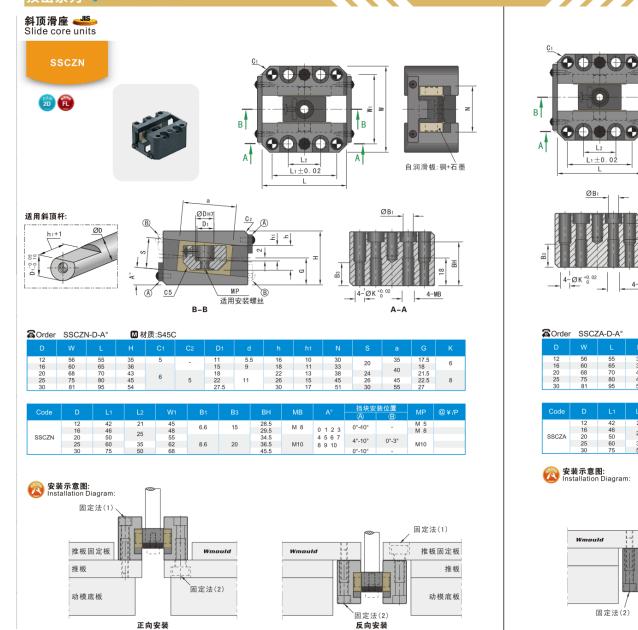
此产品安装在模具的顶针推板上, 需配成形斜推杆,成型后,在推板顶 出的过程中通过产品内部机构自润滑 动,在规定的行程内将成型塑胶件内 侧面凹凸形状的型芯顶出, 使胶件顺 利脱模。

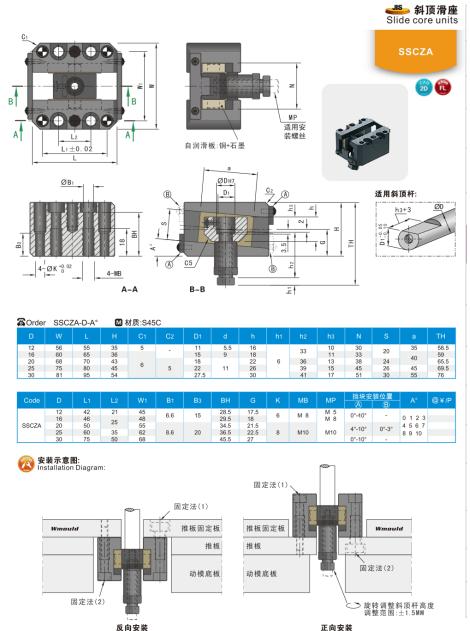
This type of slide core unit is fitted to the ejector plate, contain the molding lifter plate parts, after molding, eject the inner uneven slide core with the slide plate parts within the slide stroke, then the plastic can be push out from the mold.

Order	DTK-8	M	材质:S4	5C										3
Ød										L2	L3	L4	L5	4
8	20	20	32	19	33	11	30	22	-	12.5	11	7	10.5	0
10	0.5	25	45	25	45	15	40	27	5	15.5	15	8	11.3	٥
12	25	30	50	31	57	17	51	32	7	18	16	10	4	
16	30	40	65	38	65	22	58	36	8	20	20	10	5	10
20	40	50	80	44	80	26	72	42	11	23	22	12	0	10
25	45	55	90	52	93	32	85	50		28	26	45	8	
30	50	60	100	60	101	38	93	55		30	30	15	9	
35	60	75	120	70	120	45	110	62	15	35	34	18	10	
40	70	O.F.	405	0.0	420	e e	400	70		40	4.4	18	40	

Code	Ød		ØQ	Ød1					行程 Stroke	MT	МН	@¥/P
DTK-08	8	8	7	4.5	24	20	7	10	10	M 4	M 3	
DTK-10	10	10		5.5	32	30	9	12.5	18	M 5	M 4	
DTK-12	12	12	10	7	39	35	11	15	20	M 6	M 6	
DTK-16	16	16	12	9	46	40	14.5	15	25	M 8	IM 6	
DTK-20	20	20	14	11	56	55	18	16	30	M10	M 8	
DTK-25	25	25	16		66	65	22.5	47	35		1440	
DTK-30	30	30	18	14	74	70	27	17	40	M12	M10	
DTK-35	35	35	20		85	80	32	18	45			
DTK-40	40	40	25	40	95	90	36	19	50	1440	M12	
DTK-45	45	45	30	18	105	110	40	24	55	M16		





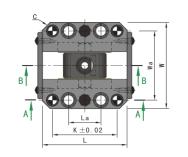


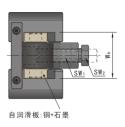
For more information please visit the website: https://yhb.com.vn

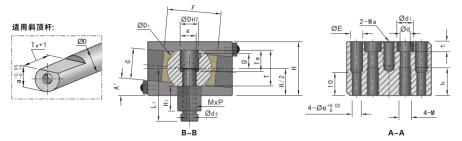






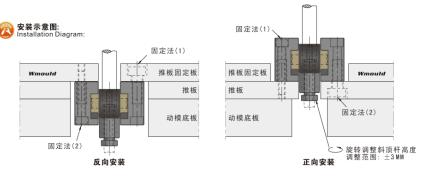


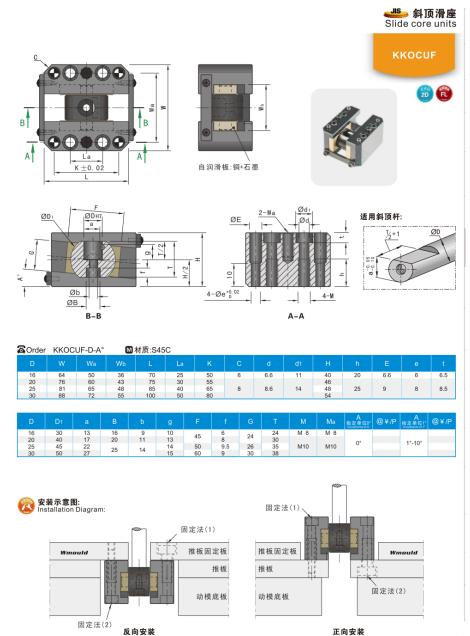




Order	KKO	CUM-D	-A°	₩材质:	S45C											
D					La											
16	64	50	36	70	25	42	50	6	6.6	11	9	40	04	20	6.6	6
20	76	60	43	75	30	45	55				11	46	21			
25	81	65	48	85	40	47	65	8	8.6	14	40	48	21.5	25	9	8
30	88	72	55	100	50	55	80				13	54	26			

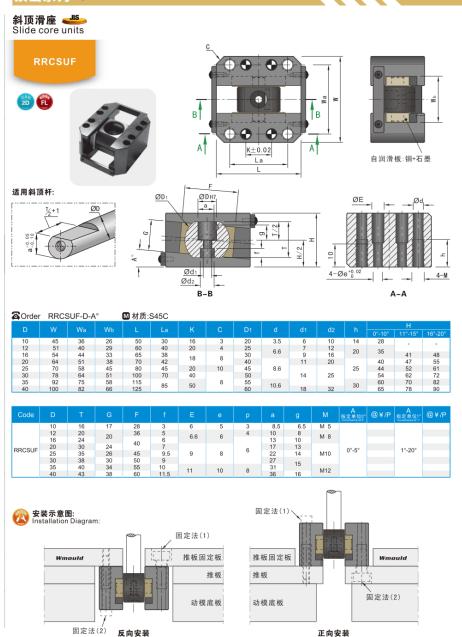
	D	Т	Ta	t	а	G	g	F		Sw1	Sw2	М	Ma	M×P	A 指定单位0°	@¥/P	A 指定单位1° Increments of 1°	@¥/P
Г	16	24	15	6.5	13	24	10	45	30	17	14	M 8	M 8	M14×1.5				
п	20	30	18		17	24	13	45	40	22	19			M18×1.5	0°		1°-10°	
Т	25	35	20.5	8.5	22	26	14	50	45	27	22	M10	M10	M22×1.5	U-		1-10	
н	30	38	22		27	30	15	60	50	32	27			M27×1.5				

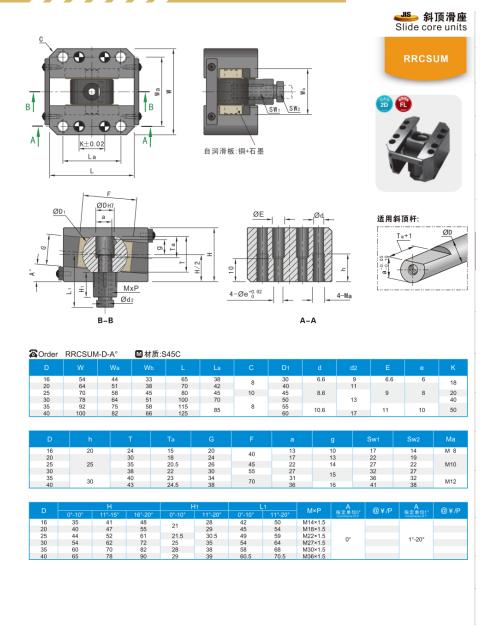




For more information please visit the website: https://yhb.com.vn

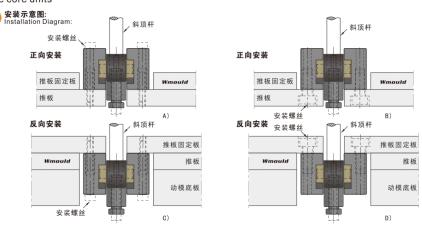






(III) YHB ECO CO.,LTD

斜顶滑座 JIS Slide core units



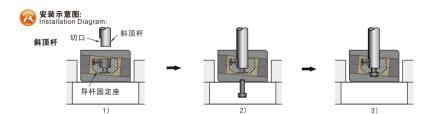


- ·斜顶滑座有正、反两种安装方法,每种安装方法分别有两种不同螺丝固定方法,如上图A、B、C、 D所示;
- ・以上安装方法仅适用于斜顶滑座SSCZN、SSCZA、KKOCUM、KKOCUF、RRCSUF、RRCSUM系列产品:
- · 斜顶滑座SSCZN、SSCZA、KKOCUM、KKOCUF系列图A、C的安装方法略有不同,螺丝头部未高 出斜顶滑座。

Installation Guidelines:

- Slide unit have obverse and reverse two installation method, every installation method have two different screw fixed method. such as A.B.C.D drawing.
- Above installation method only apply to slide unit SSCZN, SSCZA, KKOCUM, KKOCUF, RRCSUF.

 RRCSUM series products.
- Slide unit SSCZN, SSCZA, KKOCUM, KKOCUF series drawing A.C different installation method, screw head cant higher than slide unit.



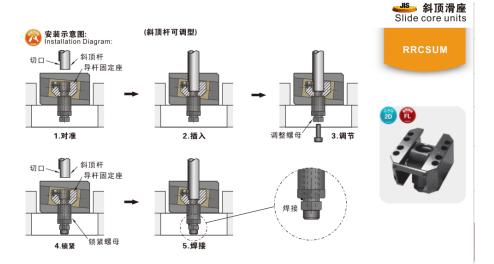
nikę,

斜顶杆安装方法:

- ·将斜顶杆的切口对齐导杆固定座的止转面;
- ・将斜顶杆插入导杆固定座并确保位置;
- ·适用杯头螺丝将其固定;
- ・以上安装方法仅适用于SSCZN、KKOCUF、 RRCSUF。

Angle bar installation method:

- The cut of angle bar alignment check rotating surface of angle bar fixed base.
- Angle bar insert into angle bar fixed base to make sure position.
- Apply to head cap screw to fixed.
- Above installed method only apply to SSCZN, KKOCUF, RRCSUF.



斜顶柱

斜顶杆安装方法:

7///////

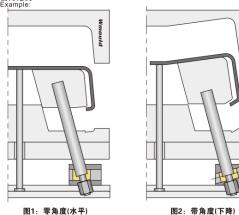
- ・将斜顶杆的切口对齐导杆固定座的止转面;
- · 将斜顶杆插入导杆固定座并确保位置;
- ·旋转调整螺母确认斜顶杆位置;(不同型号 可调节高度略有不同,具体请参考各型号说明)
- · 旋转锁紧螺母锁紧, 并同时使用杯头螺丝固定斜顶杆.
- ·为避免斜顶杆松动,将调整螺母与锁紧螺母 焊接防松处理。

Angle bar installation method:

- The cut of angle bar alignment check rotating surface of angle bar fixed base.
- Angle bar insert into angle bar fixed base to make sure position
- Revolve adjustable nut to confirm angle bar position, (According to different code to adjust height, please refer to code illustration.
- Locking nut, at the same use head cap screw fixed angle her.
- angle bar.

 Please adjust nut and locking nut weld to avoid angle bar loosen.

使用范例:



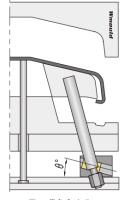


图3:带角度(上升)

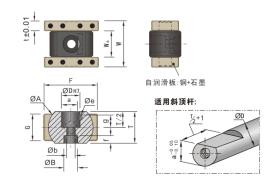










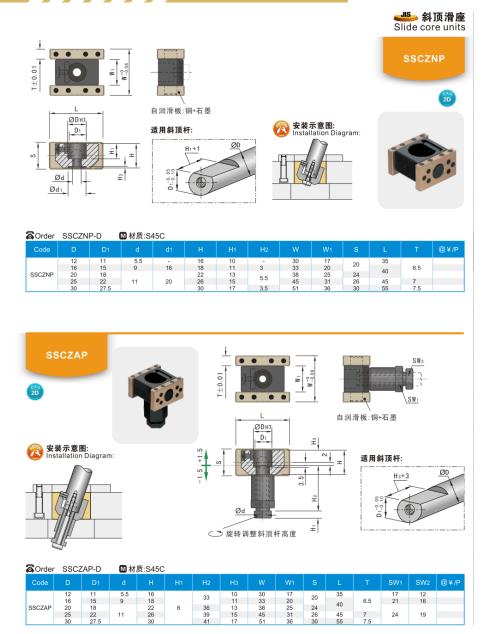


☎ Order KK	PHF-D	材 质:S45℃						
D								
8	24	12	25	6	13	20	7.5	16
10	28	14	32	7	17	20	8.5	16
12	31	17	40	/	20	25	10	20
16	36	21	45		0.4	30	13	24
20	43	28	45	7.5	24	40	17	30
25	48	33	50		26	45	22	35
30	55	38	60	8.5	30	50	27	38
35	64	44	70	10	34	55	31	40
40	70	EO	90	4.4	20	60	20	42

Code	D						安装螺丝S.H.C.S Mounting screws	@¥/P
	8	6.5	5	10	5	2	M 4×10	
	10	0.5	4	12	6	3	M 5×12	
	12	8.5	5	13	7	4	M 6×14	
	16	10	6	16	9		M 8×20	
KKPHF	20	13	8	20	11		M10×25	
	25	14	9.5					
	30	15	9	25	14		M12×30	
	35	15	10					
	40	16	11.5	32	18	0	M16×35	

☎ Order RR	CPHF	材质:S45C						
D								
10	26	14	28		17	20	8.5	16
12	29	17	36	6	20	25	10	20
16	33	20	40	6.5		30	13	24
20	38	25	40	0.5	24	40	17	30
25	45	30	45	7.5	26	45	22	35
30	51	36	55		30	50	27	38
35	58	42	70	8	34	55	31	40
40	66	48	70	9	38	60	36	43

Code							安装螺丝S.H.C.S Mounting screws	@¥/P
	10	6.5	3	10	6	3	M 5×12	
	12	8	5	12	7	4	M 6×14	
	16	10	6	16	9		M 8×20	
DDODUE	20	13	7	20	11		M10×25	
RRCPHF	25	14	9.5			6		
	30	45	9	25	14		M12×30	
	35	15	10					
	40	16	11.5	32	18	8	M16x35	



(III) YHB ECO CO.,LTD

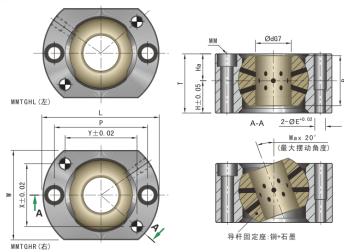
斜顶滑座 🚚

Slide core units 专利号: ZL 2012 2 0020044.7

MMTGHL MMTGHR







- 1.此组件与类似DTK斜顶装置配套使用,适用于大型模具:
- 2.内部球形的铜导滑杆固定座具有20°倾斜度的摆动, 十分便于安装;镶石墨的设计,减少斜导杆在移动 中的磨损和卡伤;
- 3. MMTG/MMTGH的使用,减少因斜导杆过长在运动 过程中而造成的摆动;减少斜导杆尾部的负载力, 增加向上力使其整个机构使用性能更好、寿命更长; 4. 增加新型号MMTGHL;
- 5. 原旧型号MMTGH更改为MMTGHR;
- 6. 使用环境: Max170℃。

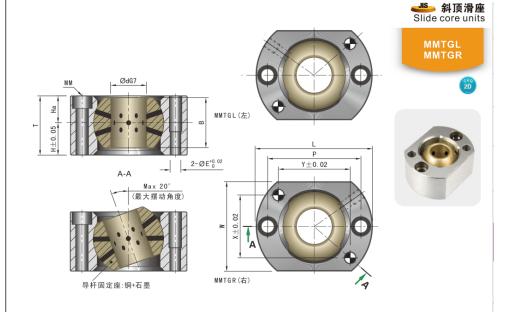
- It is recommended to use the combination of Slide core unit similar with DTK series, apply to Large die and mold.
- The inclined pin has angle of 0°to 20°, easy for installation, and with its Graphites inserts, it can reduce friction when the inclined pin moving.
- 3.The usage of MMTG & MMTGH, it reduce the swing due to the length of inclined pin. Load comcentrated at guide bearing end, increase of upward resistance.

☎Order MMTGHL-d M材质:S45C

25	57	85	42	21	21	33		64
30	65	94	48	24	24	37		72
35	72	98	54	27	27	40	8	78
40	77	106	58	29	29	44		84
50	88	124	66	33	33	48	10	102

Code				MM	定位销 Dowel pin	安装螺丝 Mounting screws	@¥/P
	25	42	50			M10×45	
MMTGHL	30	48	55	1440	Ø 020	M10×55	
	35	52	60	M10	Ø 8×30	M10×60	
MMTGHR	40	55	65			M10×65	
	50	65	78	M12	Ø10×40	M12×65	

旧版型号	更新后型号
MMTG(右)	MMTGL (左) MMTGR (右)
MMTGH(右)	MMTGHL(左) MMTGHR(右)



- 1. 增加新型号MMTGL;
- 2. 原旧型号MMTG 更改为MMTGR;
- 3. 使用环境: Max170℃。

- 1.New code MMTGL.
- 2.MMTGR instead of old code MMTG.
- 3.Usage environment:max 170°C.

るOrder MMTGL-d ■ 材质:S45C

Cidei	WINT OL-G	10 M .0400						
d								
8	28	44	17	9	8	14		32
10	30	46	20	11	9	16	5	34
12	32	50	22	12	10	18		36
16	45	58	29	16	13	25	6	45
20	50	65	33	18	15	28		52
25	57	78	38	21	17	33		62
30	65	86	43	24	19	37	ō	70

Code	d	Х	Υ	ММ	定位销 Dowel pin	安装螺丝 Mounting screws	@¥/P
	8	20	28	M5	Ø5×20	M5×20	
	10	22	28	CIVI	105×20	M5×25	
MMTGL	12	22	30			M6×25	
MMTGR	16	30	35	M6	Ø6×25	M6×35	
MMTGR	20	35	40			M6×40	
	25	40	50	M8	Ø8×30	M8×45	
	30	48	55	IVIO	100^30	M8×50	



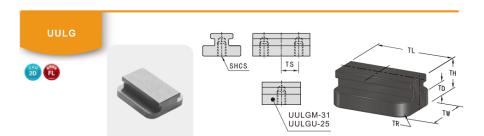






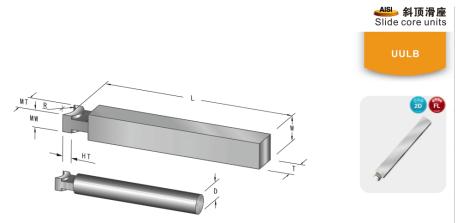


☎ Order UULC	CM-50 M 材∫	贡:SKD61 表面	:900HV 日 硬原	度:40-44HRC			
Code(Inch)	cw	CL	СН	RC		Series	@¥/P
UULCM- 50	0.5	0.437	0.625	0.125	0.25	0.25	
UULCU- 87	0.875	0.75	0.875	0.187	0.406	0.5	
UULCX-175	1.75	1.5	1.656	0.125	0.875	1	
Code(Meteic)	cw	CL	СН	RC		Series	@¥/P



🕰 Order UUL	_GM-31	M 材质:SK	D61 表面	:900HV	硬度:40-44	4HRC				
Code(Inch)		TL +0.000	TW-0.000	TH ±8:818	TD : 0.000		Series	SHCS (Included)	Travel Allowed	@¥/P
UULGM- 31	-	0.75	0.5	0.5	0.344	0.094	0.25	#10-32×1"	5/16	
UULGM-100	0.5	1.5	0.5	0.5	0.344	0.094	0.23	#10-32^1	11/6	
UULGU- 25	-	1							1/ 4	
UULGU- 50	0.375	1.25	0.875	0.468	0.219	0.188	0.5	1/4-20×3/4	1/ 2	
UULGU-100	0.625	1.75	0.675	0.400		0.100	0.0		1"	
UULGU-150	0.75	2.25							11/2	
UULG - 50	0.625	2							1/ 2	
UULG - 100	0.875	2.5	1.75	0.625	0.25	0.313	1	3/8-16×1 ¹ /4	1"	
UULG - 250	1.375	4							21/2	

Code(Meteic)	тѕ	TL:*8.828	TW: 0.000	TH #8:25	TD:*8:85	TR	Series	Shcs (Included)	Travel Allowed	@¥/P
UULGMM-10	10	33	22	40		-	10	M-5×20	10	
UULGMM-30	15	52	22	13	О	5	10	IVI-5×20	30	



Code(ineh) T.*888 W.*888 L HT R Series (MW) MT_(MW) MT_(MW) MT_(MW) MT_(MW) MI_(MW) MI_(MW) </th <th></th> <th>7×25-L8</th> <th>M 材质:SKD€</th> <th>61 田 硬度:38</th> <th>-42HRC</th> <th></th> <th></th> <th></th> <th></th>		7×25-L8	M 材质:SKD€	61 田 硬度:38	-42HRC				
ULIBM-50-25-L8	Code(Inch)	T#8:818	W *8:818	L	нт	R	Series (MW)	MT (Min. Thk.)	@¥/P
UULBM-958-28-18 1/2 3/8 8" 0.156 0.25 0.312 UULBU-958-50-18 1/2 14" UULBU-958-50-18 1/2 14" UULBU-958-100-18 1/2 14" UULBU-958-100-18 1" 14" UULBU-100-50-18 1" 14" UULBU-150-50-18 1" 14" UULBU-150-50-18 1" 1/2 14" UULBU-150-50-18 1" 14" UULBU-150-75-18 1 11/2 3/4 8" UULBU-150-75-18 1 11/2 3/4 8" UULBU-150-75-18 1 11/2 3/4 14" UULBU-150-75-18 1 11/2 3/4 14" UULBU-150-75-18 1 11/2 18" UULBU-150-75-10 1 18" UULBU-150-75-10 1 18" UULBU-150-75-10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1/4					0.25	
UULBM-78-37-L8 UULBU-50x50-L18 UULBU-50x50-L14 UULBU-50x50-L14 UULBU-50x100-L14 UULBU-50x100-L14 UULBU-100x50-L18 UULBU-100x50-L14 UULBU-100x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x50-L14 UULBU-150x75-L14 UULBU-150x750-L16 UULBU-15				o"	0.156	0.25	0.25	0.312	
UULBU-50-50-14 UULBU-50-100-14 UULBU-50-100-14 UULBU-100-50-14 UULBU-100-50-14 UULBU-100-50-14 UULBU-100-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-50-14 UULBU-150-75-15 UULBU-150-75-14 UULBU-150-75-14 UULBU-150-75-14 UULBU-150-75-14 UULBU-150-75-14 UULBU-100-150-16 UULBU-100-160-16		3/4	3/8	o o				0.512	
UULBU-50x50c1-14 UULBU-50x100c1-18 UULBU-50x100c1-18 UULBU-100x50c1-18 UULBU-100x50c1-18 UULBU-100x50c1-18 UULBU-150x50c1-18 UULBU-150x50c1-18 UULBU-150x50c1-18 UULBU-150x50c1-18 UULBU-150x50c1-18 UULBU-150x50c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-150x15c1-18 UULBU-100x150c1-18 UULBU-100x150c1-			1/2						
UULBU-90-4100-18 UULBU-100-450-18 UULBU-100-500-18 UULBU-100-500-18 UULBU-100-500-18 UULBU-150-500-18 UULBU-150-500-18 UULBU-150-500-18 UULBU-150-500-18 UULBU-150-500-18 UULBU-150-750-18 UULBU-150-750-18 UULBU-150-750-18 UULBU-150-750-18 UULBU-100-4100-110 UUL		1/2	1/2						
UULBU-00×100-L14 UULBU-100×50-L8 UULBU-100×50-L14 UULBU-150×50-L14 UULBU-150×50-L14 UULBU-150×50-L14 UULBU-150×50-L14 UULBU-150×50-L14 UULBU-150×50-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L14 UULBU-150×150-L16 UULBU-100×150-L16 UULB		1/2	1"						
UULBU-100x50-14 UULBU-150x50-18 UULBU-150x50-14 UULBU-150x50-14 UULBU-150x50-14 UULBU-75x150-14 UULBU-75x150-14 UULBU-75x150-14 UULBU-75x150-14 UULBU-150x75-14 UULBU-150x75-14 UULBU-150x75-14 UULBU-150x75-14 UULBU-150x75-14 UULBU-100x150-110 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1100 UULBU-100x150-1			· ·						
UULBU-150x50-L8 UULBU-150x50-L14 UULBU-75x150-L14 UULBU-75x150-L14 UULBU-75x150-L14 UULBU-75x150-L14 UULBU-150x75-L14 UULBU-150x75-L14 UULBU-150x75-L14 UULBU-150x75-L14 UULBU-150x150-L16 UULBU-100x150-L16 UULBU-100x150-L16 UULBU-100x150-L16 UULBU-100x150-L16 UULBU-100x150-L16 UULBU-100x150-L10 UULBU		1"							
UULBU-150×50-14 UULBU-75×150-18 UULBU-75×150-14 UULBU-75×150-14 UULBU-150×75-14 UULBU-150×75-14 UULBU-150×75-14 UULBU-150×75-14 UULBU-150×75-14 UULBU-100×150-110 UULBV-100×150-110 UULBV-100×15			1/2		0.187	0.406	0.5	0.5	
UULBU-75X150-L8 UULBU-75X150-L14 UULBU-75X150-L14 UULBU-150X75-L4 UULBU-150X75-L4 UULBU-150X75-L14 UULBU-150X75-L14 UULBU-10X150X150-L10 UULBV-100X150-L10 U		11/2							
UULBU-75-150-14 3/4 1½ 14" 0.625 UULBU-150-75-14 1½ 3/4 14" UULBU-150-75-14 1½ 3/4 14" UULBV-100+150-16 1½ 18" UULBV-100+100-110 1" 18" UULBV-100+100-110 1" 18" UULBV-100+100-110 1" 18" UULBV-100+100-110 1" 18"									
UULBU-150x75-L8 1½ 3/4 14" UULBU-150x75-L10 1½ 10" UULBV-100x150-L10 11½ 18" UULBV-100x150-L10 10" UULBV-100x150-L10 1" 10" 10" UULBV-100x100-L10 1" 10" 10" UULBV-100x100-L10 1 18" 0.375 0.875 1 1 UULBV-100x100-L10 1 18" 0.375 0.875 1 1 UULBV-100x100-L10 1 10" UULBV-100		3/4	11/2						
UULBU-150x75-14 11/2 3/4 14" UULBV-10x150-15 1 10" UULBV-10x150-15 1 11/2 18" UULBV-10x150-15 1 10" UULBV-10x150-15 1 10" UULBV-10x150-15 1 18" UULBV-10x150-15 1 18" UULBV-10x150-15 1 1 1 10" UULBV-10x150-15 1 1 1 1 10"								0.625	
UULBV+100×150-L10		11/2	3/4						
UULBV-100×150-L18 1 1½ 18" UULBV-100×100-L18 1 10" 10" UULBV-100×100-L18 1 18" 0.375 1 1 1 1 1 10" 10" 10" 10" 10" 10" 10" 1									
UULBV-100×100-L10 1" 10" 0.375 1 1 UULBV-100×100-L18 18" 0.375 1 1 1 1 1 10" 10" 10" 10" 10" 10" 10" 1			11/2						
UULBV-100×100-L18 18" 0.375 0.875 1 1 UULBV-100×100-L10 1" 10"		1"							
IIII BV 150×100 L10			1"		0.375	0.875	1	1	
UULBV-150×100-L18 1 ^{1/2} 18"		11/2							

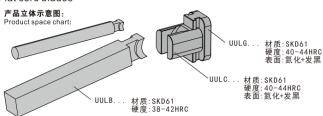
Code(Meteic)	T.*8:885	W +0.025	L	нт	R	Series (MW)	MT (Min. Thk.)	@¥/P
UULBMM-10×10-L250	10	10	250				10	
UULBMM-15×15-L250	15	15	250	5	10	10	15	
UULBMM-20×20-L400	20	20	400				20	

Code(Inch)	D-0.001	L	R	нт	Series (MW)	MT (Min. Thk.)	@¥/P
UULBM-43D - L8	Ø7/16	8"	0.25	0.156	0.25	0.312	
UULBU-75D - L8		8					
UULBU-75D -L14	Ø3/ 4	14"	0.406	0.187	0.5	0.5	
UULBU-75D -L18		18"					
UULBX-125D-L10	Ø111/4	10"	0.875	0.375	4	4	
UULBX-125D-L18	W1 ***	18"	0.075	0.373	'	'	

Code(Meteic)	D:*8.89	L	R	нт	Series (MW)	MT (Min. Thk.)	@¥/P
UULBMM-15D-L250	Ø15	250	10	5	10	10	



斜顶杆 AISI Flat core blades



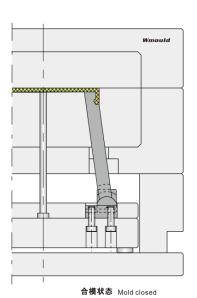
安装使用说明:

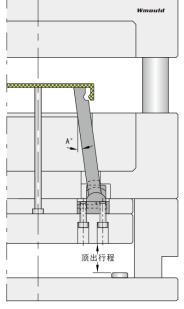
- ·斜顶装置由斜顶滑座、斜顶滑块、斜顶杆3部份组成;
- ·安装时使用杯头螺丝将斜顶滑座固定在顶针板上;
- ·建议安装使用角度为5°-10°,建议配合间隙0.025-0.038mm;
- 斜顶杆长度可接受非标定制。

Installation Guidelines:

- \cdot Slide device have slide core unit , slide block , angle bar three parts.
- · Use head cap screw to fixed slide core unit on ejector pin board.
- · Suggest installation usage degree 5°-10°, match space 0.025-0.038mm.
- · Accept nonstandard custom made length of angle bar.

一 功能示意图: Function chart:





顶出状态 Mold opend

☎Order VF-06-SS

Code	@¥/P
VF-06-SS	
VF-08-SS	
VF-10-SS	
VF-13-SS	
VF-16-SS	
VF-20-SS	

☎Order VF-06-JS

Code	@¥/P
VF-06-JS	
VF-08-JS	
VF-10-JS	
VF-13-JS	
VF-16-JS	
VF-20-JS	

_	
☎ Order	VF-06-US

Cidei VI 00 00						
Code	@¥/P					
VF-06-US						
VF-08-US						
VF-10-US						
VF-13-US						
VF-16-US						
VF-20-US						



引导板: VF-...-GP

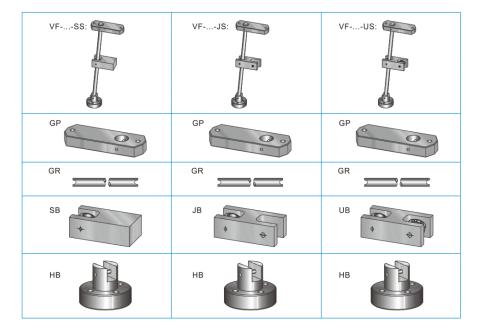


F-20-JS	滑块基座: VFJB	滑块基座: VFSB
der VF-06-US		
Code @¥/P		`引导杆: VFGR
F-06-US		414
F-08-US		
F-10-US F-13-US		0
F-16-US		
F-20-US		
	-	
		`座套: VFHB

产品立体示意图:

Product space chart

滑块基座: VF-...-UB

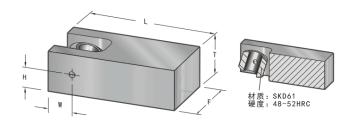






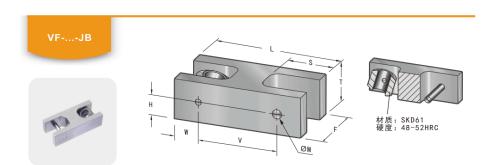




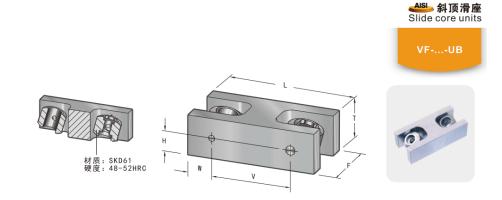


30 0/-0.05 50 0/-0.05 100 15

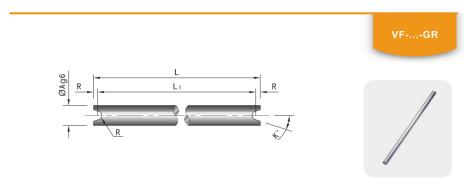
	6-SB M 材质	t:P20 🖪 硬度	₹:28-32HRC	
Symbol	VF-06-SB	VF-08-SB	VF-10-SB	VF-13-SB
T	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03
L	40	50	60	80
H	6.5	7.5	10	12.5



Order VF-06	D-JD 國 利與	[:P20 山 映 ß	£:20-32HRC				
Symbol	VF-06-JB	VF-08-JB	VF-10-JB	VF-13-JB	VF-16-JB	VF-20-JB	@¥/P
T	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03	30 0/-0.05	40 0/-0.05	
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	50 0/-0.05	60 0/-0.05	
L	40	50	60	80	100	130	
S	15	20	25	30	40	50	
Н	6.5	7.5	10	12.5	15	20	
W	7.5	10	12.5	15	20	25	
V	25	30	35	50	60	80	
M	Ø3	Ø4	Ø5	Ø6	Ø8	Ø10	



☎Order VF-06-UB M 材质:P20									
Symbol	VF-06-UB	VF-08-UB	VF-10-UB	VF-13-UB	VF-16-UB	VF-20-UB	@¥/P		
Т	13 0/-0.02	15 0/-0.02	20 0/-0.03	25 0/-0.03	30 0/-0.05	40 0/-0.05			
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	50 0/-0.05	60 0/-0.05			
L	40	50	60	80	100	130			
Н	6.5	7.5	10	12.5	15	20			
W	7.5	10	12.5	15	20	25			
V	25	30	35	50	60	80			



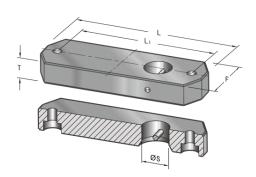
☎Order VF-06-GR M 材质:SUJ2								
Symbol	VF-06-GR	VF-08-GR	VF-10-GR	VF-13-GR	VF-16-GR	VF-20-GR	@¥/P	
A ⁹⁶	Ø6 -0.004/-0.012	Ø8 -0.005/-0.014	Ø10 -0.005/-0.014	Ø13 -0.006/-0.017	Ø16 -0.006/-0.017	Ø20 -0.007/-0.020		
L	150	190	250	310	370	500		
L1	L1	L1	L1	L1	L1	L1		
R	1 +0.02/0	1.5 +0.02/0	2 +0.03/0	2.5 +0.03/0	3 +0.05/0	3.5 +0.05/0		
K°			30° Max					



斜顶滑座 Also Slide core units







Order VF-0	06-GP	■材质	t:P20	₩	度:28-32HRC
Symbol	VF-06	-GP	VF-08	GP	VF-10-GP

Symbol	VF-06-GP	VF-08-GP	VF-10-GP	VF-13-GP	VF-16-GP	VF-20-GP	@¥/P
T	8 0/-0.02	10 0/-0.02	12 0/-0.03	15 0/-0.03	20 0/-0.05	25 0/-0.05	
F	20 0/-0.02	25 0/-0.02	32 0/-0.03	40 0/-0.03	500/-0.05	60 0/-0.05	
L	60 0/-0.04	70 0/-0.04	90 0/-0.06	120 0/-0.06	150 0/-0.1	180 0/-0.1	
L1	50	60	75	105	130	155	
S	Ø10	Ø13	Ø16	Ø20	Ø25	Ø30	

☎ Order VF-06	S-HB M 材	质:P20 用 碩	度:28-32HRC				
Symbol	VF-06-HB	VF-08-HB	VF-10-HB	VF-13-HB	VF-16-HB	VF-20-HB	@¥/P
0	Ø13 0/-0.05	Ø16 0/-0.05	Ø20 0/-0.07	Ø25 0/-0.07	Ø32 0/-0.1	Ø40 0/-0.1	
L	20	25	30	35	40	50	
D	Ø27 0/-0.2	Ø34 0/-0.2	Ø42 0/-0.3	Ø51 0/-0.3	Ø65 0/-0.5	Ø80 0/-0.5	
T	8 -0.1/-0.2	10 -0.1/-0.2	12 -0.1/-0.3	15 -0.1/-0.3	18 -0.1/-0.5	22 -0.1/-0.5	

- 1.抽芯动作不受角度与顶出行程的限制,动作可靠平稳;
- 2.产品设计自由度大大增加,可避免加强筋、凸台、曲面 形状附近狭窄部位侧陷槽的干涉;
- 3.有足够的热膨胀空间;
- 4.易于加工,装拆简单,无弯曲力矩;
- 5.广泛应用于小型精密模具及超重量级模具,可进行单 列、并列、复列、直列多种组合应用以满足多种模具 的需求。

图1:单列

- 1. Degree and ejector stroke will can't limit movement of slide unit, movement reliable and steady.

 2. Products design large degree of freedom avoid
- reinforcing, convex plate, curved surface shape side groove to interfere.
- 3.Have enough adiabatic expansion space .
 4.Easy to processing ,easy assembly and disassembly, no bending moment.
- S.extensively use in small type precision mould and super-weight mould. single rank, paratactic, alternate rank. directly rank ect various combination to meet different demand.





VF-...-US







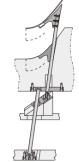




图2:并列







图4:直列







最简单的销钉定位方式



斜顶杆一端只需加工一常规螺孔,通过一个杯头螺丝简单固定,安装方便,适用范围广。



科顶滑座 ◆AISI

Slide core units



安装使用说明:

- ·此VF系列斜顶滑座由座套、引导杆、滑块基座、引导板四大部组成;
- ·此斜顶滑座可以在5°到30°的范围之间使用;
- · 使用杯头螺丝将座套安装到动模底板上, 引导板固定到支承板上, 注意保证滑块基座在顶针板上有效 滑动行程,避免与顶针板干涉;
- ·脱模距离L可以通过计算公式: L=S×TanA° 计算获得, 其中S为顶针板顶出行程, A为安装角度, 也可以 使用CAD软件模拟计算获得。

Installation Guidelines:

- · VF series slide core unit have socket sleeve, guide rod, slide base, guide board 4part constitution.
- · The usage range of Slide unit from 5°-30°.
- · Socket sleeve fixed on movement board by head cap screw.
- · Slide stroke avoid interfere ejector pin board.
- · Release mould distance L by mean of calculate formula:L=SXTanA°, S is ejector pin board stroke, A is install angle, also can get it from CAD drawing.

A	\ °
Min.	Max.
5°	30°



安装示意图: Installation Diagram:

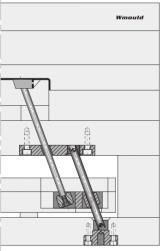
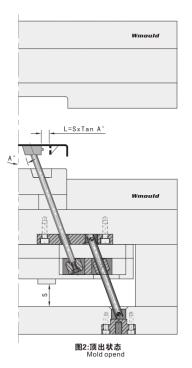
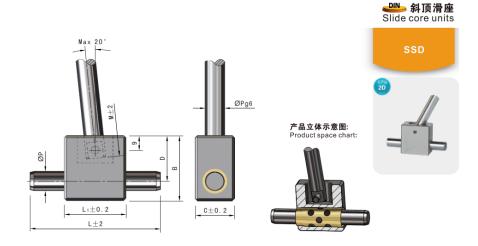
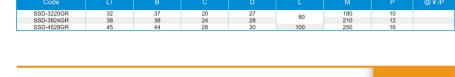
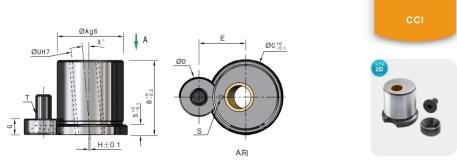


图1:合模状态









Order CCI-3	3034GR	■材.	质:SUJ2	■ 硬度	:55-62HR	С						
Code												@¥/P
CCI-3034GR- 5	30	34	34	16	20	6		10		M6×6	M6×16	
CCI-3438GR- 5	34	38	38	20	24	8	0	12	5	M8×6	M8×20	
CCI-4040GR- 5	40	40	44	20	27			16		IVIO^O		
CCI-3034GR-10	30	34	34	16	20	6	7	10		M6×6	M6×16	
CCI-3438GR-10	34	38	38	20	24	8	8.5	12	10	M8×6	M8×20	
CCI-4040GR-10	40	40	44		27		0.5	16		IVIO^U		
CCI-3034GR-15	30	34	34	16	20	6	7	10		M6×6	M6×16	
CCI-3438GR-15	34	38	38	20	24	8	8.5	12	15	M8×6	M8×20	
CCI-4040GR-15	40	40	44		27		0.5	16				
CCI-3034GR-20	30	34	34	16	20	6	7	10		M6×6	M6×16	
CCI-3438GR-20	34	38	38	20	24	8	8.5	12	20	M8×6	M8×20	
CCI-4040GR-20	40	40	44	20	27	0	0.0	16		IVIO^O	IVIO^2U	

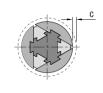
☎Order SSD-3220GR



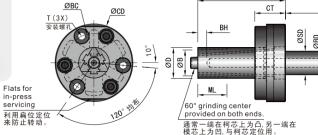
专利号: ZL 2015 2 0553443.3











	B +3°单边	ML		CD +0/-0.05	CT ±0.05		
21	17	22	1.1	53	21	60	
33	25	28	1.6	60	22	67	60
42	33	43	2.1	76	28	85	
54	42	50	2.4	98	37	104	70

Code	SD +0/-0.02	BD	ВН	ВС	s	Т	@¥/P
DDT-18	16	6	6	40	34	M5×25	
DDT-28	20	8	8	47	38	IVID*25	
DDT-38	25	10	10	60	54	M6×35	
DDT-48	30	12	12	78	62	M8×40	



产品特点:

- 1.用于瓶盖模内螺纹,内倒扣产
- 2.机械式可伸缩结构设计;
- 3.可伸缩行程:为产品直径的
- 5-7%单边; 4.替代了昂贵的齿轮、齿条系统;
- 5.结构紧凑, 仅需极小安装空间; 6.缩短模具的制造周期;
- 7.内置冷却通道;
- 8.提供多种标准规格选择,也可
- 9.结构相比旋出脱螺纹机构更简 单,脱出效率更高。

Features:

- 1.Design of scalability structure by mechanical.
- 2.Stroke:5%~7% for per side.
- 3.Instead of expensive pinion and rack.
- 4. Only needs small space for installation.
- 5. Shorten the mold manufacturing cycle.
- 6. Within waterway.
- 7. Provide a variety of standard types for choice, and also customer made
- 8. The structure is more simple than rotary unwound thread mechanism.



7//////



正确 🔽 正确 🔽

错误 🔀 正确 🔽 正确 🗹 正确 🔽

正确 🗸

错误 🔀

一般螺纹设计 General thread design

DDT伸缩柯螺纹设计 DDT core thread design

		DD'	T-18				
Diamo	eter(D)	Colla	pse(C)	Stroke(S)			
mm.		mm.	in.	mm.			
21	0.827	0.5	0.02	19.5	0.768		
20	0.787	0.71	0.028	27	1.063		
19	0.748	0.92	0.036				
18	0.709	0.98	0.039	34	1.339		
17	0.669	1.05	0.041				

		DD ⁻	Г-28		
Diame	eter(D)	Colla	ose(C)	Stro	ke(S)
mm.		mm.		mm.	
33	1.299	0.98	0.039	34.5	1.358
32	1.26	1.11	0.044		
31	1.22	1.14	0.049		
30	1.181	1.19	0.047		
29	1.141	1.23	0.048	38	1.496
28	1.102	1.28	0.050	30	1.490
27	1.062	1.33	0.052		
26	1.024	1.39	0.055		
25	0.984	1.45	0.057		

产品优缺点:

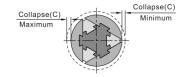
- 1.一般螺纹设计为螺旋脱出不能精确螺纹起始位, DDT螺纹设计可以精确螺纹起始位;
- 2.一般螺纹设计为脱出方向需R角设计过渡, 若斜 角则会产生拖胶缺陷, DDT螺纹设计不但可以R 角设计, 也可以直接斜角设计。

Features:

- 1. General threads are designed to be unscrewed out of the mold which could not position the threads accurately, DDT threads only where you need them.
- 2.General threads designed to be stripped snap bead that normally require large radii for release. DDT core snap bead can be flat also.

		DD.	Г-38				
Diame	eter(D)	Colla	ose(C)	Stroke(S)			
mm.	in.	mm.		mm.	in.		
42	1.654	1.16	0.046	41	1.614		
41	1.614	1.37	0.054	48	1.89		
40	1.575	1.57	0.062				
39	1.535	1.61	0.063				
38	1.496	1.66	0.065				
37	1.457	1.71	0.067	54	2.126		
36	1.417	1.76	0.069				
35	1.378	1.82	0.072				
34	1.339	1.88	0.074				
33	1.299	1.94	0.076				

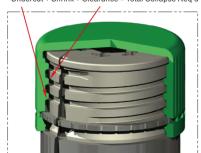
		DD.	T-48			
Diam	eter(D)	Colla	pse(C)	Stroke(S)		
mm.		mm.		mm.		
54	2.126	1.25	0.049	44.7	1.76	
53	2.087	1.45	0.057	51.3	2.02	
52	2.047	1.66	0.065	58.1	2.287	
51	2.008	1.79	0.07			
50	1.969	1.83	0.072			
49	1.929	1.87	0.074			
48	1.89	1.92	0.076			
47	1.85	1.97	0.078	62	0.444	
46	1.811	2.01	0.079	62	2.441	
45	1.772	2.06	0.081			
44	1.732	2.11	0.083			
43	1.693	2.17	0.085			
42	1.654	2.22	0.087			



计算所需收缩行程方法:

Calculating required collapse vs undercut depth:

• Undercut + Shrink + Clearance = Total Collapse Reg'd



最大开模行程

S

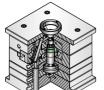
Stroke





DDT

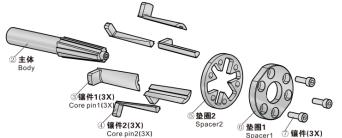






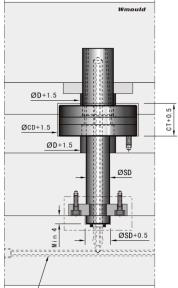






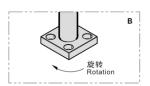


冷却水路











主体快速安装锁定位置示意图

B:主体相对垫块旋 转90°,使其主 体与垫块紧紧锁住。

Core pin(3X)

- **B**: The body will be rotated 90°, and make it lock with plate.
- C:挂台锁住垫块位 置。如左图所示
- C: The position which the hang lock plate as show on the left.



DD.



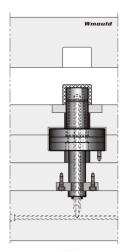
安装使用说明:

- ·必须与模具制造者共同确认开合模的顺序;
- ·注意:如果核心与模具型芯紧扣,DDT型芯必须提前进行收缩到制定位置;
- ·确认液压缸压力能够实现合适的动作序列;
- ·确认顶板顶出时没有外部约束力和验证DDT中心轴能够顺畅分型和合适的堆栈高度。

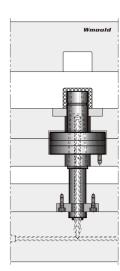
Installation Guidelines:

- ·MUST confirm proper sequence with mold builder.
- NOTE: If DDT Core is shutting off on steel to form a feature (ie: hole), the shut off must be separated prior to DDT Core collapse. Also, the DDT Core must be fully expanded before shut off comes into position.
- Confirm press is capable of achieving proper sequence.
- Confirm plates are staging forward without binding while on the bench. Verify DDT center pin is flush to slightly proud of segments and verify stack heights.

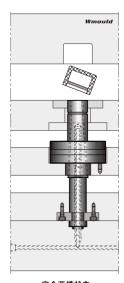








顶出过程中 In the process of the ejection

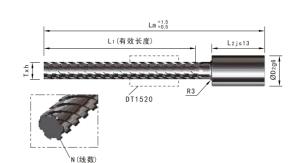


完全开模状态 Mold opened



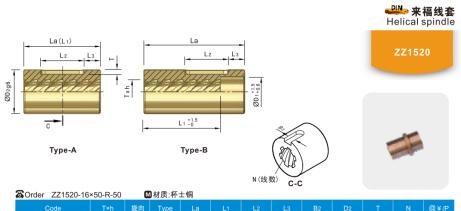
来福线杆 PM Helical spindle





☎ Order ZZ1500-16	×50-R-160	М材质:718⊦	₩ 硬度:	表面氮化				
Code	T×h	旋向	La		L2			@¥/P
ZZ1500-16× 50-R-160	Tr16× 50		240	160				
ZZ1500-16× 50-R-250			330	250	50	28	5	
ZZ1500-16× 63-R-160 ZZ1500-16× 63-R-250	Tr16× 63		240 330	160 250				
ZZ1500-16× 63-R-250 ZZ1500-20× 63-R-250			345	250				
ZZ1500-20× 63-R-250 ZZ1500-20× 63-R-315	Tr20× 63		410	315			6	
ZZ1500-20× 80-R-250			345	250				
ZZ1500-20× 80-R-315	Tr20× 80		410	315	63	36	_	
ZZ1500-20×100-R-250	T 00100		345	250			7	
ZZ1500-20×100-R-315	Tr20×100		410	315				
ZZ1500-25× 80-R-315	Tr25× 80		430	315			8	
ZZ1500-25× 80-R-400	1125* 60		515	400			0	
ZZ1500-25×100-R-315	Tr25×100	R	430	315				
ZZ1500-25×100-R-400	1125100	(右旋)	515	400	80	45	9	
ZZ1500-25×125-R-315	Tr25×125	(SHAC)	430	315	- 00	40		
ZZ1500-25×125-R-400			515	400				
ZZ1500-25×160-R-315	Tr25×160		430	315			10	
ZZ1500-25×160-R-400 ZZ1500-32×100-R-355			515 490	400 355				
ZZ1500-32×100-R-355 ZZ1500-32×100-R-450	Tr32×100		490 585	355 450			9	
ZZ1500-32×100-R-450 ZZ1500-32×125-R-355			490	355				
ZZ1500-32×125-R-355	Tr32×125		585	450				
ZZ1500-32×160-R-355			490	355	100	56	10	
ZZ1500-32×160-R-450	Tr32×160		585	450			.0	
ZZ1500-32×200-R-355	T 00 000		490	355				
ZZ1500-32×200-R-450	Tr32×200		585	450			11	

Order ZZ1500-16	×50-L-160	М材质:718⊦	■ 硬度:	表面氮化				
Code	T×h	旋向	La		L2			@¥/P
ZZ1500-16× 50-L-160	Tr16× 50		240	160				
ZZ1500-16× 50-L-250	111000		330	250	50	28	5	
ZZ1500-16× 63-L-160	Tr16× 63		240	160			_	
ZZ1500-16× 63-L-250			330	250				
ZZ1500-20× 63-L-250 ZZ1500-20× 63-L-315	Tr20× 63		345 410	250 315			6	
ZZ1500-20× 83-L-315 ZZ1500-20× 80-L-250			345	250				
ZZ1500-20× 80-L-250 ZZ1500-20× 80-L-315	Tr20× 80		410	315	63	36		
ZZ1500-20×100-L-315			345	250			7	
ZZ1500-20×100-L-315	Tr20×100		410	315				
ZZ1500-25× 80-L-315			430	315				
ZZ1500-25× 80-L-400	Tr25× 80		515	400		45	8	
ZZ1500-25×100-L-315	T 05. 100		430	315				
ZZ1500-25×100-L-400	Tr25×100	L (stendar)	515	400	80			
ZZ1500-25×125-L-315	Tr25×125	(左旋)	430	315	80		9	
ZZ1500-25×125-L-400	1125×125		515	400				
ZZ1500-25×160-L-315	Tr25×160		430	315			10	
ZZ1500-25×160-L-400	1123~100		515	400			10	
ZZ1500-32×100-L-355	Tr32×100		490	355			9	
ZZ1500-32×100-L-450	1132~100		585	450			9	
ZZ1500-32×125-L-355	Tr32×125		490	355				
ZZ1500-32×125-L-450	1102-120		585	450	100	56		
ZZ1500-32×160-L-355	Tr32×160		490	355	. 50		10	
ZZ1500-32×160-L-450			585	450				
ZZ1500-32×200-L-355 ZZ1500-32×200-L-450	Tr32×200		490 585	355 450			11	
ZZ1500-32×200-L-450			585	450				



Order ZZ1520-16	~30=K=30		」例贝:个:	그 기미								
Code	T×h	旋向	Туре	La		L2	L3					@¥/P
ZZ1520-16× 50-R- 50	Tr16× 50		Α	50		28	11					
ZZ1520-16× 50-R- 80	111000		В	80	50	40	15	6	28	2.8	5	
ZZ1520-16× 63-R- 50	Tr16× 63		A	50	00	28	11	Ü	20	2.0		
ZZ1520-16× 63-R- 80	111000		В	80		40	15					
ZZ1520-20× 63-R- 63	Tr20× 63		Α	63		36	13.5				6	
ZZ1520-20× 63-R-100			В	100		50	18				-	
ZZ1520-20× 80-R- 63	Tr20× 80		Α	63	63	36	13.5	8	36	3.8		
ZZ1520-20× 80-R-100			В	100	00	50	18	ŭ		0.0	7	
ZZ1520-20×100-R- 63	Tr20×100		A	63		36	13.5					
ZZ1520-20×100-R-100	1120 100		В	100		50	18					
ZZ1520-25× 80-R- 80	Tr25× 80		A	80		50	15	12			8	
ZZ1520-25× 80-R-125	112000		В	125		63	20		45	4.8	Ü	
ZZ1520-25×100-R- 80	Tr25×100	R	Α	80		50	15					
ZZ1520-25×100-R-125		(右旋)	В	125	80	63	20				9	
ZZ1520-25×125-R- 80	Tr25×125	() III ANCO	A	80	- 00	50	15				Ŭ	
ZZ1520-25×125-R-125	1120 120		В	125		63	20					
ZZ1520-25×160-R- 80	Tr25×160		A	80		50	15				10	
ZZ1520-25×160-R-125	1120 100		В	125		63	20					
ZZ1520-32×100-R-100	Tr32×100		A	100		63	18.5				9	
ZZ1520-32×100-R-160	1102100		В	160		80	25				ŭ	
ZZ1520-32×125-R-100	Tr32×125		A	100		63	18.5					
ZZ1520-32×125-R-160	1102120		В	160	100	80	25	14	56	5.5	10	
ZZ1520-32×160-R-100	Tr32×160		A	100	.50	63	18.5		50	0.0	.0	
ZZ1520-32×160-R-160	1102.100		В	160		80	25					
ZZ1520-32×200-R-100	Tr32×200		A	100		63	18.5				11	
ZZ1520-32×200-R-160	1102-200		В	160		80	25				- ''	

		10-10-										
Code	T×h	旋向	Туре	La		L2	L3	B2				@ ¥ /F
ZZ1520-16× 50-L- 50	Tr16× 50		Α	50		28	11					
ZZ1520-16× 50-L- 80	1110~ 30		В	80	50	40	15	6	28	2.8	5	
ZZ1520-16× 63-L- 50	Tr16× 63		A	50	50	28	11	U	20	2.0	3	
ZZ1520-16× 63-L- 80	1110. 05		В	80		40	15					
ZZ1520-20× 63-L- 63	Tr20× 63		A	63		36	13.5				6	
ZZ1520-20× 63-L-100	1120* 05		В	100		50	18				Ü	
ZZ1520-20× 80-L- 63	Tr20× 80		Α	63	63	36	13.5	8	36	3.8		
ZZ1520-20× 80-L-100	1120 00		В	100	63	50	18	Ü	00		7	
ZZ1520-20×100-L- 63	Tr20×100		Α	63		36	13.5				· '	
ZZ1520-20×100-L-100	1120100		В	100		50	18					
ZZ1520-25× 80-L- 80	Tr25× 80		Α	80		50	15	12			8	
ZZ1520-25× 80-L-125	112000		В	125		63	20		45		Ü	
ZZ1520-25×100-L- 80	Tr25×100	1	Α	80		50	15			4.8		
ZZ1520-25×100-L-125	1120100	(左旋)	В	125	80	63	20				9	
ZZ1520-25×125-L- 80	Tr25×125	(CLINE)	A	80	- 00	50	15		-10		ŭ	
ZZ1520-25×125-L-125	1120120		В	125		63	20					
ZZ1520-25×160-L- 80	Tr25×160		A	80		50	15				10	
ZZ1520-25×160-L-125	1125100		В	125		63	20				10	
ZZ1520-32×100-L-100	Tr32×100		Α	100		63	18.5				9	
ZZ1520-32×100-L-160	1132~100		В	160		80	25				9	
ZZ1520-32×125-L-100	Tr32×125		Α	100		63	18.5					
ZZ1520-32×125-L-160	1102 ~ 120		В	160	100	80	25	14	56	5.5	10	
ZZ1520-32×160-L-100	Tr32×160		Α	100	.50	63	18.5		50	0.0	.0	
ZZ1520-32×160-L-160	1102~100		В	160		80	25					
ZZ1520-32×200-L-100	Tr32×200		A	100		63	18.5				11	
ZZ1520-32×200-L-160	1102^200		В	160		80	25				- ''	

WYHB ECO CO.,LTD

来福线 🔐

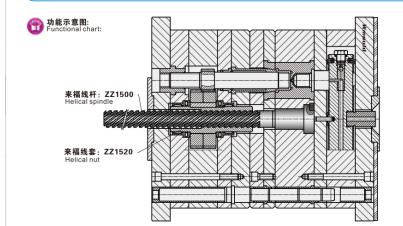
Helical spindle

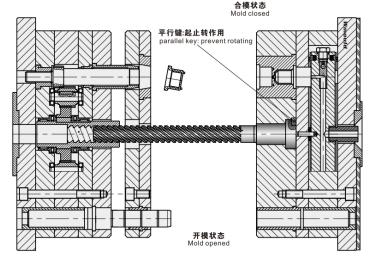


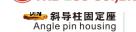
- ・此来福线有左旋与右旋两种, 订购与安装时注意选择相匹配的来福线杆与来福线套, 以避免无法安装使用;
- ·在安装来福线杆时需自行制作一平行键,以保证在顶出过程中防止来福线杆转动;
- ·来福线杆为718H预硬材质+表面氮化处理,只具有表面硬度,安装时注意勿碰伤螺纹配合部份。

Installation Guidelines:

- ·The ZZ1500 helical spindle with two types: Left-Hand thread and Right-Hand thread, kindly choose the corresponding type for helical nuts.
- The helical spindle ZZ5100 must be prevented from rotating by one parallel key which need to be made
- ·The material and treatment for helical spindle ZZ1500 are 718H+ surface nitrided. please avoid any scratch for thread matching area while installing.



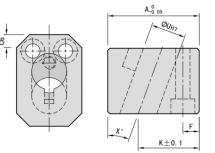












30

36

7.5

22

Corder BBG-423016-15

42

BBG-423016-15

BBG-504020-15

BBG-554024-15

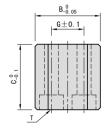
BBG-655028-15

BBG-423016-20

BBG-504020-20

BBG-504024-20

BBG-655028-20



M材质:	ļ -	- 0.1	2HRC					
В	С	F	G	К	Т	U	Χ°	@¥/P
30	30	7.5	15	28	M 6×35	16		
40	36 40	9	22	34 38	M 8×40 M 8×45	20 24	15	

20

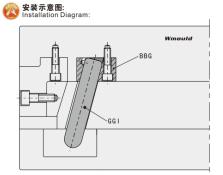
M10×50

M 6×35

M 8×40

M 8×45

34



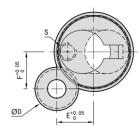


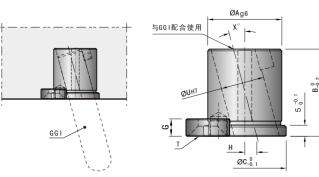


斜导柱固定座 Angle pin housing



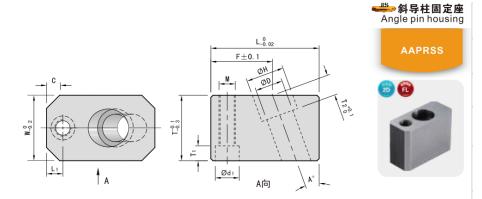






	-182622-	·10 (M材质:SI	JJ2 🕻	硬度:58	-62HRC							
Code													@¥/P
GGR-182622-10	18	26	22	12	10.8	7.5		3.8	M5×5	M5×16	10		
GGR-222826-10	22	28	26	16	11	11	6	4	M6×6	M6×16	12		
GGR-283432-10	28	34	32	16	13	13		5	INIO×O	IVIO× IO	16	10	
GGR-344038-10	34	40	38		17	17		5.5			20	10	
GGR-424546-10	42	45	46	20	19.5	19.5	8	6	M8×6	M8×20	24		
GGR-465050-10	46	50	50		21	21		7			28		
GGR-182622-15	18	26	22	12	10.8	7.5		3.8	M5×5	M5×16	10		
GGR-222826-15	22	28	26	16	11	11	6	4	M6×6	M6×16	12		
GGR-283432-15	28	34	32	10	13	13		5	IVIOAU	IVIO~ 10	16	15	
GGR-344038-15	34	40	38		17	17		5.5			20	15	
GGR-424546-15	42	45	46	20	19.5	19.5	8	6	M8×6	M8×20	24		
GGP-465050-15	46	50	50		21	21		7			20		

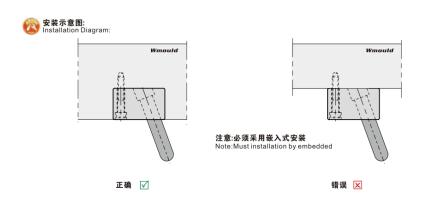
- 1. 只需加工一安装孔, 便可配合专用斜导柱安装使用, 省去斜度孔的加工工序;
- 2. 有10°与15°两种规格可供选择;
- 3. 此斜导柱固定为GGI斜导柱专用;
- 4. 配有垫块及安装螺丝(T)。
- 1. Only need machining one installation hole, and apply together with specialized angle pin. Do not need machine angle hole.
- 2.Two size of 10° and 15° for your choose.
- 3. Apply together with GGI.
- 4. Within spacer and mounting screw(T).



7//////

☎ Order AAPR	SS-D-T-A°	™ 材质:S45	5C					A=10~20°
Code								
	8	8	+0.015	16	35	7	12	5
AAPRSS	10	10	- 0	18	40		14	10
单螺栓紧固型	13	13	+0.018	22	50	9	17	10
十城江永四里	16	16	- 0	25	55	44	20	40
	20	20	+0.021/-0	30	65	- 11	24	13

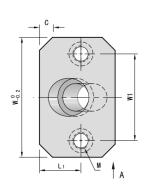
Code	D	d1	t1	F	С	M 拉拔螺纹	安装螺丝 Mounting screws	1	-	@¥/P
AADDCC	8 10	11	7	19 21	3	8	M 6	20 25	25 30	
AAPRSS 单螺栓紧固型	13	14	0	27		10	10 M 8	30	35	
干燥性素固定	16	14	9	29		10		35	40	
	20	18	11	35	5	12	M10	40	45	

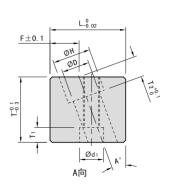












☎ Order AAP	RWS-D-T-A°	M	材质:S45C					A=	10~20°
Code		D	H7						
	8	8	+0.015	38	24	24	14	12	5
	10	10	- 0	40	26	28	16	14	10
AAPRWS	13	13	+0.018	44	30	34	18	17	10
双螺栓紧固型	16	16	- 0	48	34	40	21	20	
	20	20	. 0 004	58	40	45	25	24	13
	25	25	+0.021	65	46	55	30	29	
	30	30	- 0	75	54	65	35	36	15

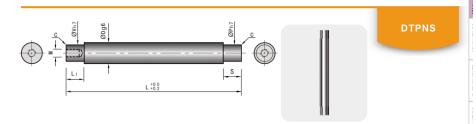
Code	D	d1	tı	F	С	M 拉拔螺纹	安装螺丝 Mounting screws		г	@¥/P
	8			8				20	25	
	10	44	7	10	3	8	M 6	25	30	
AAPRWS	13	11	,	12				30	35	
	16			13	5			35	40	
	20	14	0	15	5	10	M 8	40	45	
双螺栓紧固型	25	14	9	18	40	10	M 8	45	50	
	30	18	11	22	10	12	M10	55	60	



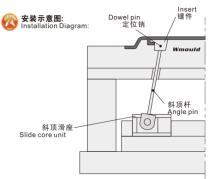


科顶杆 Flat core blades DTPS DTPS

	М 材	质:SUJ2 🖪 硬度:H	RC58以上(表面高频)		
Code		D	h6		М
	8 10	8 10	+0.005 - 0.014	0.3	M 4 M 5
DTPS	12 16	12 16	+0.006 - 0.017	0.5	M 6 M 8
DITO	20	20	+0.007	1	M10
	25 30	25 30	- 0.02	'	M12







高频范围 深度:0.5至2.0mm High frequency range depth:0.5~2.0mm

- · 镶件与斜顶杆的连接, 建议配备钻孔后使
- 用定位销钉将其固定好。 · 为方便调节斜顶杆的全长尺寸L, 而设定的
- 正值公差。

 · Please drill hole first, fixed position for the dowel pin, then Joint with insert and angle pin.
- Setting plus tolerance to adjust length L of the angle pin.

15 16

24 25 18 20 22

24 25

20 22

28 30 32

24 25 28 30 32

18 20 22

30

35

40

10 12

12 16

16 20

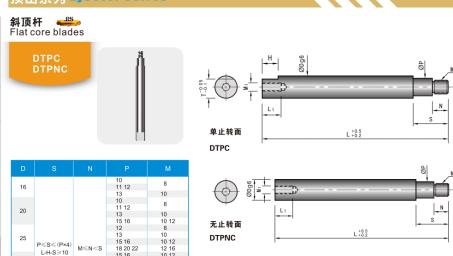
12 16

12 16

16 20

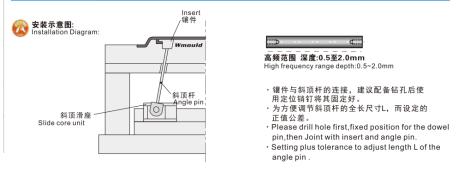
20 24



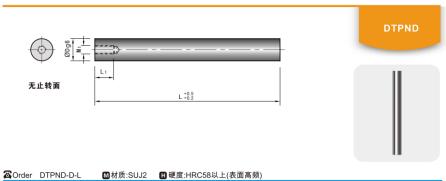


Orde	r DTPC-D	D-L-S-P-M-N	加材质:SUJ2 H	硬度:HRC58以上(表	長面高频)		
C	Code		D	g6			M1×L1
		16	16	- 0.006	13	14	M 8×20
		20	20	- 0.017	17	17	M10×25
	OTPC	25	25	- 0.007	22	18	
1 '	JIPC	30	30	- 0.020	27	19	M12×25
		35	35	- 0.009	31	19	

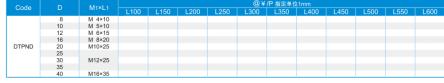
	P-M-N M材质:SUJ2	₩ 硬度:HRC58以上(表面	高频)	
Code			g6	M1×L1
	16 20	16 20	- 0.006 - 0.017	M 8×20 M10×25
DTPNC	25 30	25 30	- 0.007 - 0.020	M12×25
	35 40	35 40	- 0.009 - 0.025	M16×35







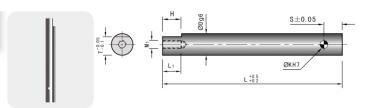
M16×35



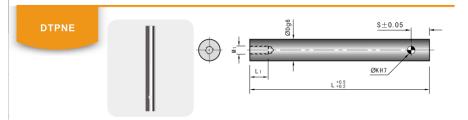




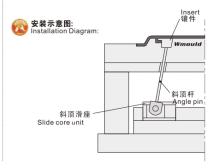




Ord	der D	TPE-D-L-S-K	M材质:SL	JJ2 H 硬度	:HRC58以上(表	面高频)			
Co	ode		Dg	96				S指定单位1mm	M1×L1
		16	16	- 0.006	13	14	6	10-25	M 8×20
		20	20	- 0.017	17	17	8	10-35	M10×25
		25	25	- 0.007	22	18	10	15-40	
D	TPE	30	30	- 0.020	27	40	40		M12×25
		35	35	- 0.009	31	19	13	20-45	
		- 10		0.005	0.0				1110 00

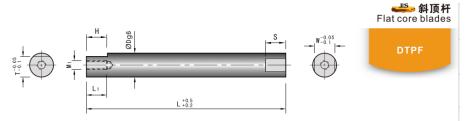


Order DTPN	E-D-L-S-K M/	オ质:SUJ2 📙 硬点	度:HRC58以上(表面	百高频)		
Code		D	g 6		S 指定单位1mm	M1×L1
	16	16	- 0.006	6	10-25	M 8×20
	20	20	- 0.017	8	10-35	M10×25
DTPNE	25	25	- 0.007	10	15-40	
DIPNE	30	30	- 0.020	40		M12×25
	35	35	- 0.009	13	20-45	
	40	40	- 0.025	16		M16x35

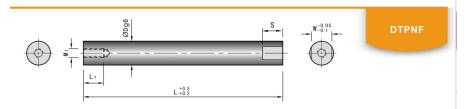


高频范围 深度:0.5至2.0mm High frequency range depth:0.5~2.0mm

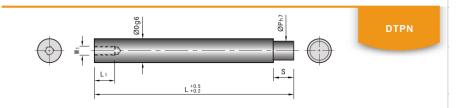
- · 镶件与斜顶杆的连接,建议配备钻孔后使 用定位销钉将其固定好。
- · 为方便调节斜顶杆的全长尺寸L, 而设定的
- Please drill hole first, fixed position for the dowel pin, then Joint with insert and angle pin.
- Setting plus tolerance to adjust length L of the angle pin .



	TPF-D-L-S-W	М 材质:	SUJ2 H 硬度	:HRC58以上(表面高频)			
Code			Og6				S指定单位1mm	M1×L1
	10	10	- 0.005/- 0.014	8.5	7	6 8	10-25	M 5×10
	12	12	- 0.006	10	8.5	8 10	10-35	M 6×15
DTPF	16	16	- 0.017	13	14	12 14	15-40	M 8×20
DIPF	20	20	0.007	17	17	14 16 18		M10×25
	25	25	- 0.007 - 0.020	22	18	19 21 23	20-25	M12×25
	30	30	- 0.020	27	19	22 24 26		W12*25

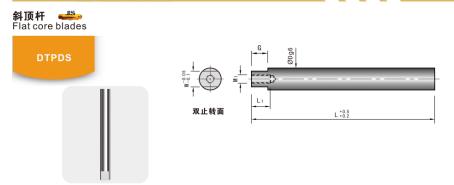


Order DTPNF	-D-L-S-W	M材质:SUJ2) 硬度:HRC58以上(表	面高频)			
Code			Dg6		S 指定单位1mm	M1×L1	
	10	10	- 0.005/- 0.014	6 8	10-25	M 5×10	
	12	12	- 0.006	8 10	10-35	M 6×15	
DTPNF	16	16	- 0.017	12 14	15-40	M 8×20	
DIPNE	20	20		14 16 18		M10×25	
	25	25	- 0.007 - 0.020	19 21 23	20-25	144005	
	30	30	- 0.020	22 24 26		M12×25	

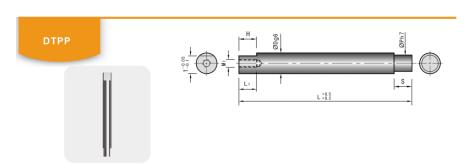


Order DTPN-	D-L-S-P	加材质:SUJ2) 硬度:HRC58以上(表	面高频)		
Code			Dg6		S 指定单位1mm	M1×L1
	8	8	- 0.005	5 6		M 4×10
	10	10	- 0.014	7 8		M 5×10
	12 12 - 0.006	- 0.006	8 9		M 6×15	
	16	16	- 0.017	10 12 13	P≤S≤(P×4)	M 8×20
DTPN	20	20	0.007	12 13 15 16		M10×25
	25	25	- 0.007 - 0.020	16 18 20 22	L-H-S≥10	
	30	30	- 0.020	20 22 25		M12×25
	35	35	- 0.009	20 22 25		
	40	40	- 0.025	25 30		M16×25

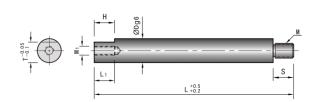




Order	DTPDS	S-D-L-G		M 材质:SU	J2 G	硬度: ⊦	RC58以	上(表面	高频)						
Code D W M1×L1			@¥/P 指定单位1mm												
Code			WIIALI		L100	L150	L200	L250	L300	L350	L400	L450	L500	L550	L600
	8	7	M 4×10												
	10	7	M 5×10												
	12	8	M 6×15												
	16	10	M 8×20	H≤G≤E											
DTPDS	20	14	M10×25	H≪G≪E 指定单位1mm											
	25	19		指走平12 Imm											
	30	24	M12×25												
	35	27													
	40	32	M16×35												

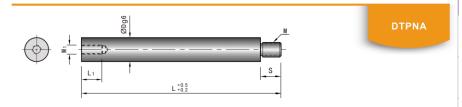


TPP-D-	L-S-P	М 材质:	SUJ2 H 硬度	€:HRC58以上(表面高频)			
Code		D	g6				S 指定单位1mm	M1×L1
	8	8	- 0.005	7.5	7.5	5 6		M 4×10
	10	10	- 0.014	8.5	7.5	7 8		M 5×10
	12	12	- 0.006	10	8.5	8 9		M 6×15
	16	16	- 0.017	13	14	10 12 13	P≤S≤(P×4)	M 8×20
DTPP	20	20	- 0.007	17	17	12 13 15 16		M10×25
	25	25	- 0.020	22	18	16 18 20 22	L-H-S≥10	
	30	30	- 0.020	27	19	20 22 25		M12×25
	35	35	- 0.009	31	19	20 22 25		
	40	40	- 0.025	36	20	25 30		M16×25

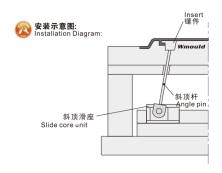


♣ 斜顶杆 Flat core blades

☎ Order [OTPA-D-L-S-M	S-M M 材质:SUJ2 H 硬度:HRC58以上(表面高频)								
Code		Dg					S 指定单位1mm	M1×L1		
	8	8	- 0.005	7.5	7.5	4 5 6		M 4×10		
	10	10	- 0.014	8.5	7.5	5 7 8		M 5×10		
	12	12	- 0.006	10	8.5	7 8 10	P≤S≤(P×4)	M 6×15		
	16	16	- 0.017	13	14	8 10 12		M 8×20		
DTPA	20	20		17	17	10 12 16		M10×25		
	25	25	- 0.007	22	18	12 16 20	L-H-S≥10			
	30	30	- 0.020	27	40	16 20 24		M12×25		
	35	35	- 0.009	31	19	20 24 30				
	40	40	- 0.025	36	20			M16×26		



Order DTPN	IA-D-L-S-M M	材质:SUJ2 🚹 碌	度:HRC58以上(表	面高频)		
Code		D	g6		S 指定单位1mm	M1×L1
	8 10	8 10	- 0.005 - 0.014	4 5 6 5 7 8		M 4×10 M 5×10
	12 16	12 16	- 0.006 - 0.017	7 8 10 8 10 12	D-0-(D-1)	M 6×15 M 8×20
DTPNA	20 25	20 25	- 0.007 - 0.020	10 12 16 12 16 20	P≲S≤(P×4) L-H-S≥10	M10×25
	30 35	30 35	- 0.020	16 20 24		M12×25
	40	40	- 0.025	20 24 30		M16×25





高频范围 深度:0.5至2.0mm

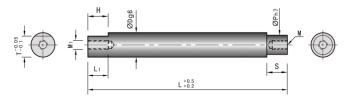
- High frequency range depth:0.5~2.0mm
- · 镶件与斜顶杆的连接,建议配备钻孔后使 用定位销钉将其固定好。
- · 为方便调节斜顶杆的全长尺寸L, 而设定的 正值公差。
- · Please drill hole first, fixed position for the dowel pin, then Joint with insert and angle pin.
- · Setting plus tolerance to adjust length L of the angle pin.



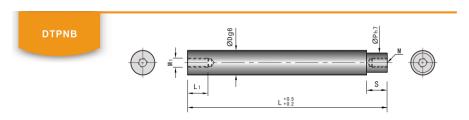
♣️ 斜顶机构 Slide core units



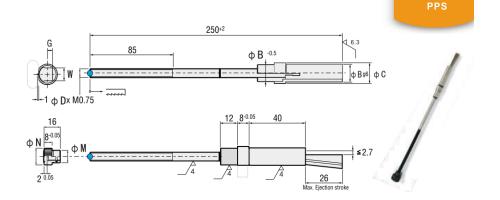
DTPB



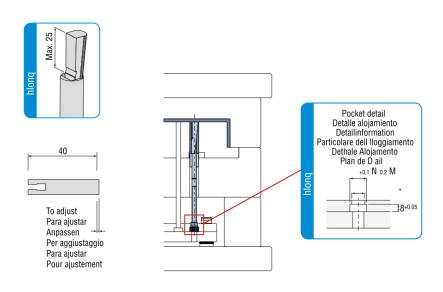
Order	DTPB-D-L-S-	P-M Mi	才质:SUJ2	₩ 硬度:HRC	58以上(表面層	5频)			
Code		0	g6					S 指定单位1mm	M1×L1
	16 16	- 0.006 - 0.017	13	14	5 6 6 6 10	10 11 12 13		M 8×20	
	20	20		17	17	6 6 8 8 10	10 11 12 13 15 16	P≤S≤(P×4)	M10×25
DTPB	25		- 0.007 - 0.020	22	18	6 8 8 10 10 12	12 13 15 16 16 20 22		
	30	30		27	19	8 10 10 12 12 16	15 16 18 20 22 24 25	L-H-S≥10	144005
	35	35	- 0.009	31	19	10 12 12 16 16 20	18 20 22 24 25 28 30 32		M12×25
	40	40	- 0.025	36	20	12 16 16 20	20 22 24 25 28 30 32 36		M16×25



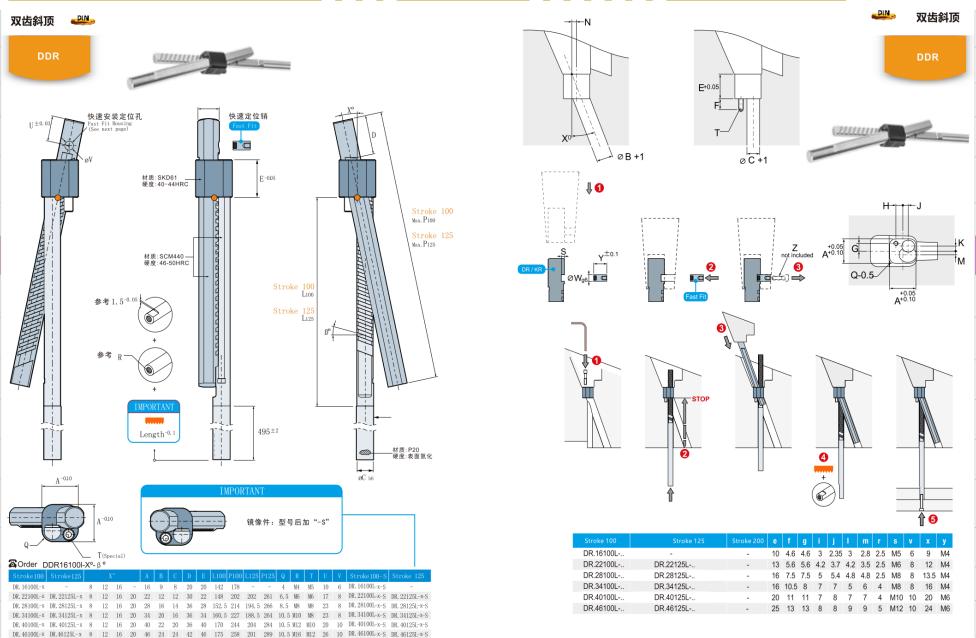
Order	DTPNB-D-L-S-P-M	M 材质:SUJ2	H 硬度:HRC5	8以上(表面高频)			
Code		D	g6			S 指定单位1mm	M1×L1
	16	16	- 0.006 - 0.017	5 6 6 6 10	10 11 12 13		M 8×20
	20	20		6 6 8 8 10	10 11 12 13 15 16		M10×25
DTPB	25	25	- 0.007 - 0.020	6 8 8 10 10 12	12 13 15 16 16 20 22	P≲S≲(P×4) L-H-S≥10	
	30	30		8 10 10 12 12 16	15 16 18 20 22 24 25		MADUOS
	35	35	- 0.009	10 12 12 16 16 20	18 20 22 24 25 28 30 32		M12×25
	40	40	- 0.025	12 16 16 20	20 22 24 25 28 30 32 36		M16×25



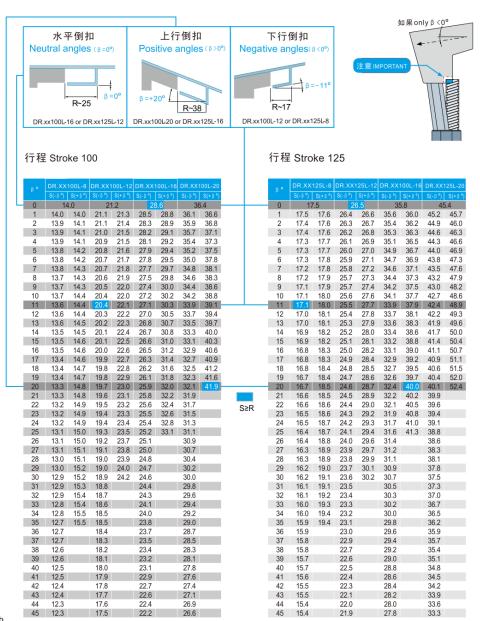
Order PPS-062	2250							
Code			С	D		M		
PPS-062250	6.2	10	12	6	3.4	12	16	1.25
PPS-082250	8.2	12	14	6	4	12	16	1.25
PPS-102250	10.2	14	16	8	4.2	14	18	2
PPS-122250	12.2	16	18	8	4.2	14	18	2







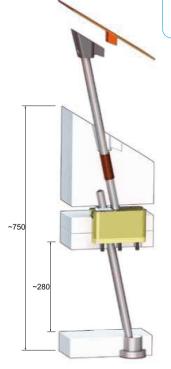




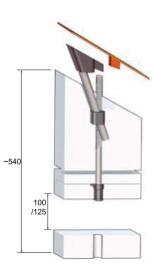


《双齿斜顶》一款可以解决:

- 1、可实现大角度方向开模;
- 2、可实现两个角度方向开模
- 2.11 两支顶杆间的角度
- 2.22顶杆上斜齿的角度(上/下行角度),通过上/下角度的设计可解决镶件背面铲胶的弊端。
- 3、可缩短模具开模行程,降低开模成本;
- 4、简化模具结构,提高生产效率!







DDR斜顶机构应用 DOUBLE RACK SYSTEM







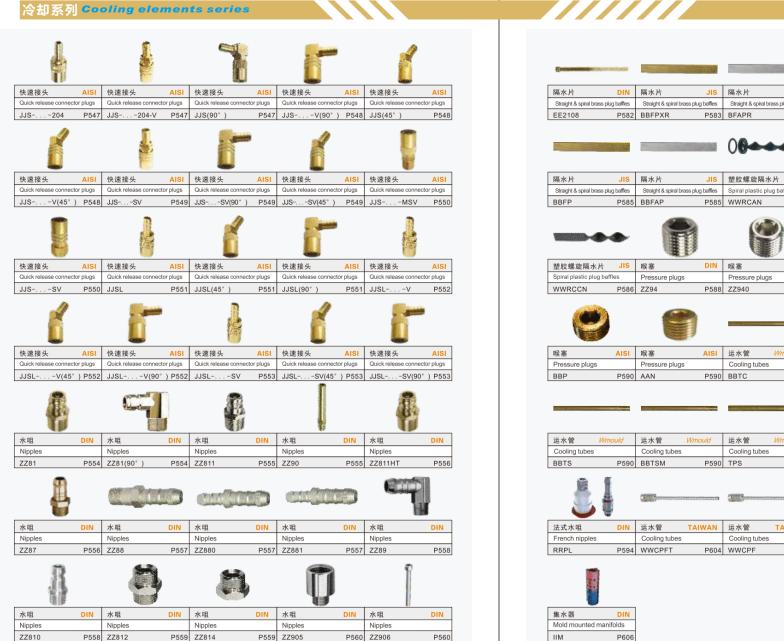
7//////















产品概述

Products Summary

冷却系列概要说明:

依靠冷却系统控制模具温度,来缩短产品的成形周期、保持物理性能的稳定性以及提高产品成形的尺寸精度,它的设计布局是注塑模具与压铸模具的冷却回路最有效的方案。

产品特点:

- 1.耐高温,能在高达200℃下使用,其中部分高温型产品使用温度高达250℃;
- 2. 流动性好, 因此可以得到最低的压力损失;
- 3. 具有互换性, 相同规格可提供全方位的产品相互匹配;
- 4. 内部结构可提供带阀与不带阀两种选择,可以满足不同场合应用需求;
- 5. 安装简单, 可快速连接或断开;
- 6. 适用范围广,可以在空气、水、油多种介质环境下使用;
- 7. 耐高压, 工作压力: Max13bar(1.3Mpa)。

社会事项

- 1. 使用温度不能超过允许的介质温度;
- 2. 不能用于允许介质以外的介质;
- 3. 工作压力不允许超过产品本身允许的最大压力范围。

cooling series summary instruction:

Rely on cooling series to control mold temperature to shorten products molding cycle ,keep physical property steady and enhance products forming size precision, The design of layout is best effective method for cooling circuit in injection mold and die casting mold.

Products feature:

- 1.thermostability,can be used it up to 200 $^\circ$ C , some high temperature products can use it up to 250 $^\circ$ C
- 2.good flowability, So that get lowest pressure loss.
- 3. Interchangeability, Same code can provide a full range of products to match each other.
- 4. Inner structure can provide two choose one is with valve , another one without valve to meet different demand
- 5. Easy to installed, fast to connection or cut off.
- 6. Extensive application, can used in air , water , oil , variety of medium .
- 7.Bear high voltage ,working pressure :Max13bar(1.3Mpa)

Note:

- 1. When used it, The temperature cant pass permit medium temperature
- 2. Not permit medium will cant used it .
- 3. Work pressure cant exceed big pressure range

螺纹看板 Wmould



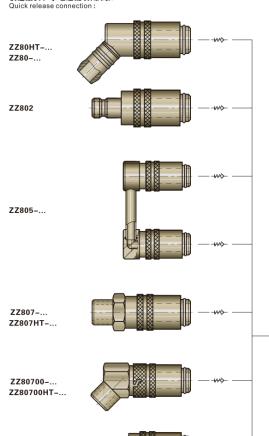
针对冷却系列产品如:喉塞,水嘴,隔水片等NPT外螺纹及装配深度,范围从1/8~3/4对应进行检测。

产品概述 Products Summary

图示	含义
-₩ >	表示带阀门
\rightarrow	表示直通型(无阀门)

标准型:						
使用介质Medium	使用温度 Max (℃)					
空气Air	200					
油 Oil	120					
7K Water	100					

快速接头、水咀适配表(带阀):



高温型: 使用介质Medium 使用温度Max (°C) 空气Air 250 油 Oil 200 水 Water 160

注:

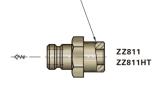
1.型号带"HT"字样的为高温型产品;例如:"ZZ80HT"

2.带阀水咀只能适配于带阀的快速接头。

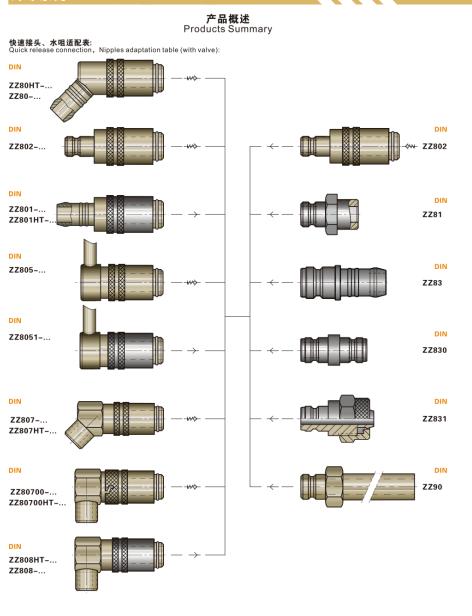
- lote:
- When the code with HT is mean high temperature products, for examples: "ZZ80HT"
- Valve Nipples only match the quick release connector with valve.

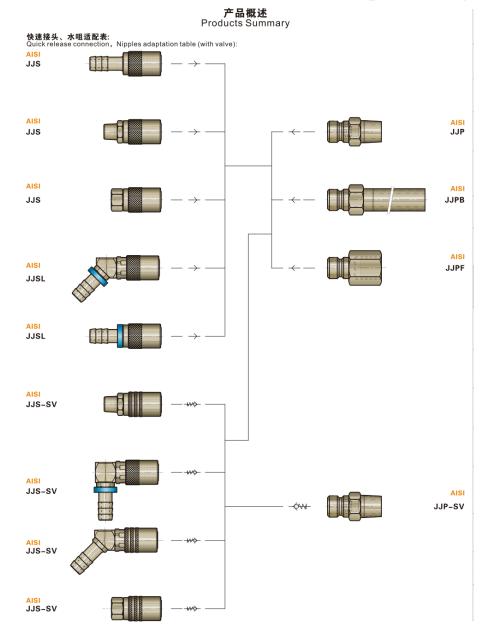
Please coated seal on screw connection position before used it ,so that get better

螺纹连接部位使用前缠上密封胶或密封胶, 以便达到更好的密封效果



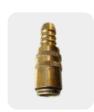
ZZ803-...

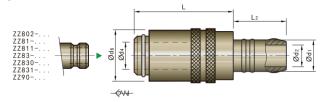






快速接头 型 Quick release connector plugs

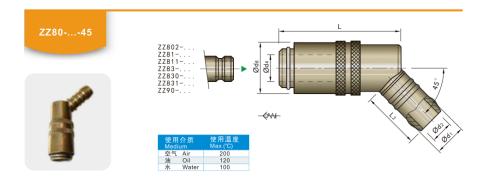




使用: Mediu		使用温度 Max (℃)
空气	Air	200
油	Oil	120
-dr	Motor	100

Order ZZ80-5 M 材质:铜 Copper

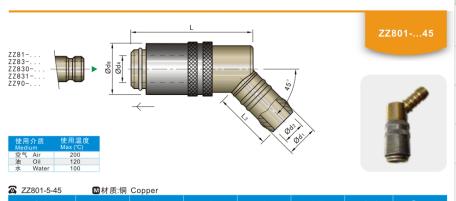
Cidoi LLOG O	W 19 724 191	, ooppoi					
Code		L2				p(bar)	@¥/P
ZZ80- 5	21.5	13.5	3.5	10	5	10	
ZZ80- 9	31	22	6	17	9	10	
ZZ80-13	37	25	9	22	13	15	
7780-19	58	32	13	31	10	20	



Corder ZZ80-5-4	15 ■材质:铜	Copper					
Code		L2				p(bar)	@¥/P
ZZ80- 5-45	29.5	13.5	3.5	10	5	10	
ZZ80- 9-45	41	28	6	17	9	10	
ZZ80-13-45	51	20	9	22	13	15	
7700 40 45	70	0.4	40	0.4	40	00	



☎ Order ZZ801-5	■材质:铜	Copper					
Code		L2				p(bar)	@¥/P
ZZ801- 5	21.5	13.5	3.5	10	5	10	
ZZ801- 9	31	22	6	17	9		
ZZ801-13	37	25	9	22	13	15	
ZZ801-19	58	32	13	31	19	20	



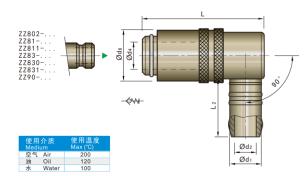
Ö	ZZ801-5-45	■材质:铜	Copper					
	Code		L2				p(bar)	@¥/P
	ZZ801- 5-45	29.5	13.5	3.5	10	5	10	
	ZZ801- 9-45	41	28	6	17	9	10	
	ZZ801-13-45	51	-	9	22	13	15	
	ZZ801-19-45	78	34	13	31	19	20	



快速接头 Quick release connector plugs

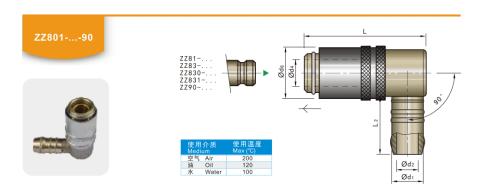






Corder ZZ80-5-90 M 材质:铜 Copper

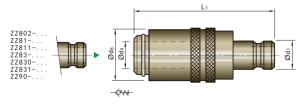
Code		L2				p(bar)	@¥/P
ZZ80- 5-90	29.5	13.5	3.5	10	5	10	
ZZ80- 9-90	41	24	6	17	9	10	
ZZ80-13-90	51	28	9	22	13	15	
7790 10 00	70	2.4	12	21	10	20	



☎Order ZZ801-5-90 M材质:铜 Copper

Code		L2				p(bar)	@¥/P
ZZ801- 5-90	29.5	13.5	3.5	10	5	10	
ZZ801- 9-90	41	24	6	17	9	10	
ZZ801-13-90	51	28	9	22	13	15	
77801-19-90	78	3.4	13	31	19	20	

Quick release connector plugs

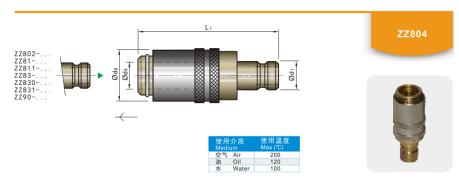




使用 Media		使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



☐Order ZZ803-d4	-d1 М 材质:铜 Co	pper			
d4				p(bar)	@¥/P
9	9.4	17.25	40.55	10	
9.4 13	13.5	17.5 22.1	43 52.05	45	
13.5	13	23	55.55	15	



☐Order ZZ804-d₄-d	d1 ■材质:铜 Cop	oper			
d4				p(bar)	@¥/P
9	9.4	17.25	40.55	10	
9.4 13	9 13.5	17.5 22.1	43 52.05	45	
13.5	13	22	55.55	15	

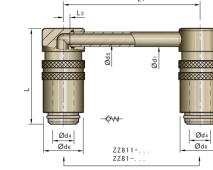




Quick release connector plugs

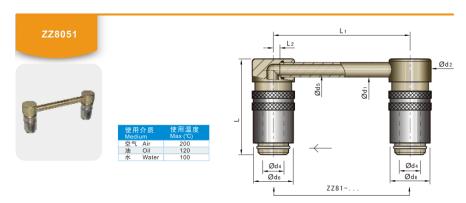




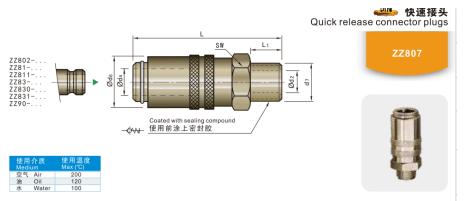


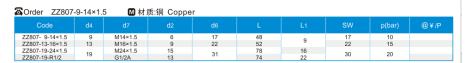
Order	ZZ805-d4-L1	М材质:铜	Copper						
			L2					p(bar)	@¥/P
9	125 250 500	43		8	20	6	17	10	
13	125 250	53	2	10	26	8	22	15	
	EOO								

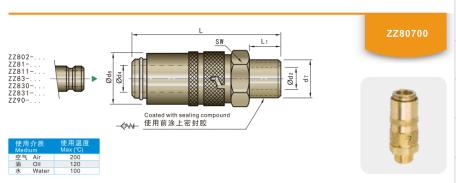
200 120

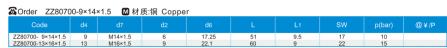


Order ZZ	8051-d4-L1	₩材质:铜	Copper						
d4			L2					p(bar)	@¥/P
9	125 250 500	43	2	8	20	6	17	10	
13	125 250 500	53	2	10	26	8	22	15	







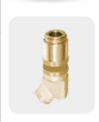


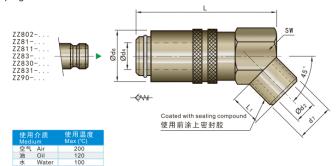


快速接头 🔐

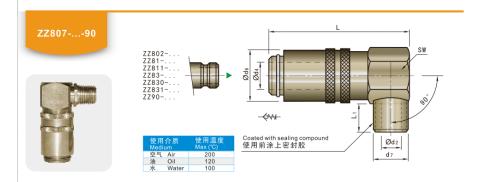
Quick release connector plugs



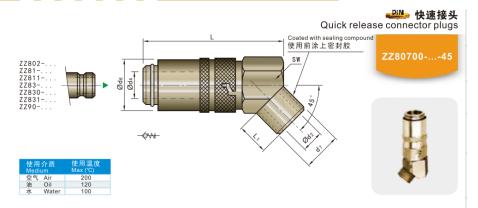


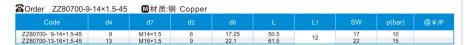


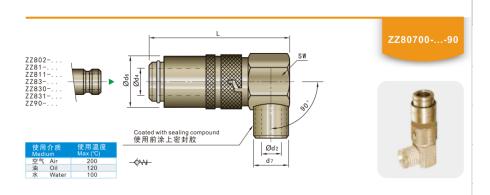
Order	ZZ807-9-14×1	.5-45	】材质:铜 C	opper						
	Code							sw	p(bar)	@¥/P
ZZ807	'- 9-14×1.5-45	9	M14×1.5	6	17	47		17	10	
ZZ807	'-13-16×1.5-45	13	M16×1.5	9	22	54	9	22	15	
77007	40 04-4 5 45	40	140 4 · · 4 F	40	24	0.0	40	20	20	



Corder ZZ807-9-14×1.5-90		.5-90	M 材质:铜 Copper									
	Code								p(bar)	@¥/P		
ZZ807-	9-14×1.5-90	9	M14×1.5	6	17	47	9	17	10			
ZZ807-	-13-16×1.5-90	13	M16×1.5	9	22	54	9	22	15			
ZZ807-	-19-24×1.5-90	19	M24×1.5	13	31	80	16	30	20			





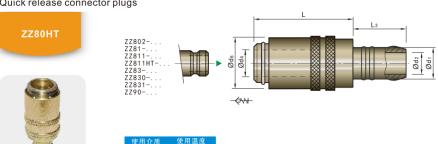


	5-90 🛮 材质	M材质:铜 Copper								
Code						sw	p(bar)	@¥/P		
ZZ80700- 9-14×1.5-90	9	M14×1.5	6	17.25	50.5	17	10			
ZZ80700-13-16×1.5-90	13	M16×1.5	9	22.1	61.5	22	15			



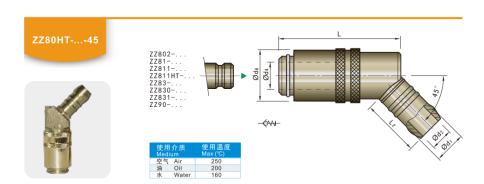




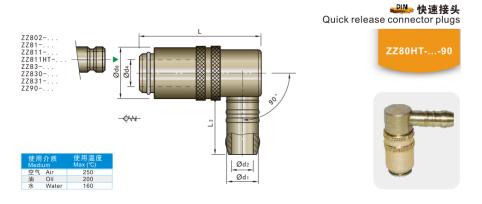


☎ Order ZZ80HT	-d1/d4					
				L2	p(bar)	@¥/P
9	6	17	31	22	10	

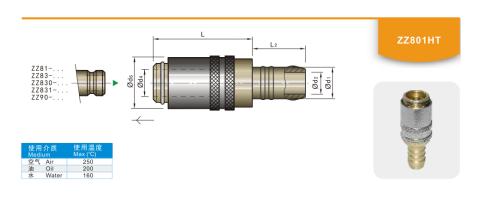
250 200 160



	-d1/d4-45	■材质:铜 Copper								
d1/d4				L2	p(bar)	@¥/P				
9	6	17	41	28	10					
13	9	22	51	28	15					



	T-d1/d4-90 M	材质:铜 Copper				
d1/d4				L2	p(bar)	@¥/P
9	6	17	41	24	10	
13	9	22	51	28	15	



		IT-d1/d4 ■	材质:铜 Copper			M 材质:铜 Copper								
					L2	p(bar)	@¥/P							
г	9	6	17	31	22	10								
	13	9	22	37	25	15								

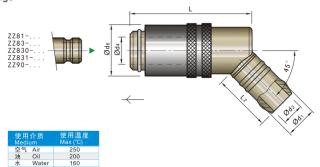
WYHB ECO CO.,LTD



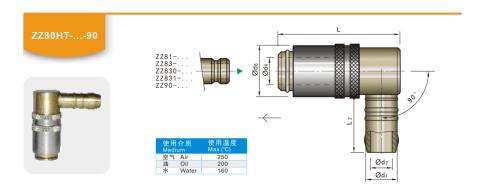
快速接头 型 Quick release connector plugs



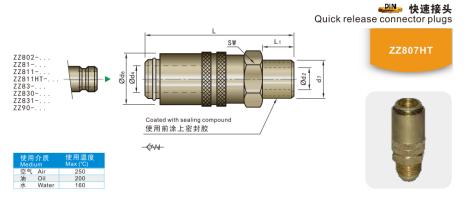


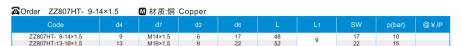


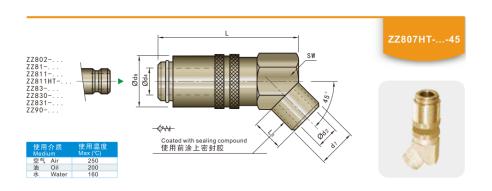
	IT-d1/d4-45	M 材质:铜 Copper								
				L2	p(bar)	@¥/P				
9	6	17	41	28	10					
12	0	22	51	28	15					



Order ZZ80HT-d1/d4-90		M 材质:铜 Copper								
				L2	p(bar)	@¥/P				
9	6	17	41	24	10					
13	9	22	51	28	15					







☎ Order ZZ807HT-9-14×1.5-45		M 材质:铜 Copper									
Code							sw	p(bar)	@¥/P		
ZZ807HT- 9-14×1.5-45	9	M14×1.5	6	17	47	0	17	10			
ZZ807HT-13-16×1.5-45	13	M16×1.5	9	22	54	9	22	15			

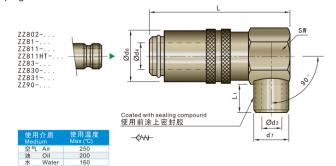




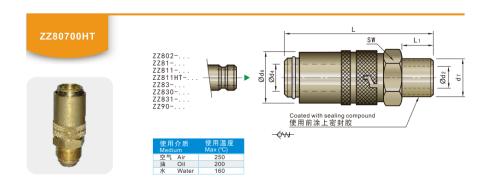
快速接头 Quick release connector plugs



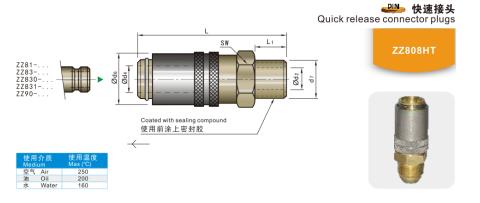


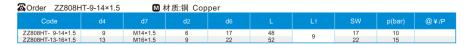


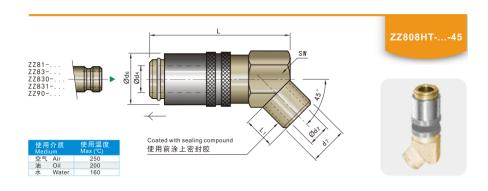
Corder ZZ807HT	-9-14×1.5-90	0 M材质	M 材质:铜 Copper								
Code								p(bar)	@¥/P		
ZZ807HT- 9-14×1.5-90	9	M14×1.5	6	17	47	0	17	10			
77807HT-13-16x1 5-00	13	M16×1.5	Q	22	54	9	22	15			



Order ZZ80700HT-d4-d7		M 材质:铜 Copper									
Code							sw	p(bar)	@¥/P		
ZZ80700HT- 9-14×1.5	9	M14×1.5	6	17.25	51	9.5	17	10			
ZZ80700HT-13-16×1.5	13	M16×1.5	9	22.1	60	9	22	15			





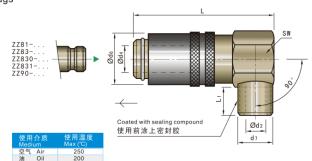


☎Order ZZ808HT45-9-14×1.5-45 M 材质:铜 Copper										
Code							sw	p(bar)	@¥/P	
ZZ808HT- 9-14×1.5-45	9	M14×1.5	6	17	48	0	17	10		
77808HT-13-16x1 5-45	13	M16x15	9	22	52	9	22	15		

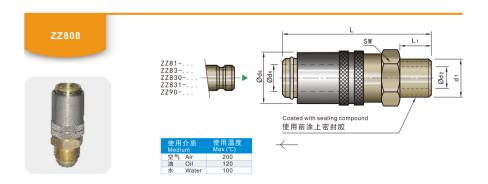




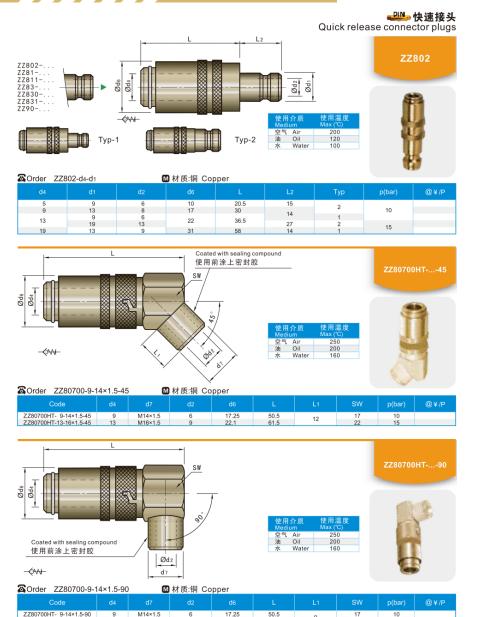




Order ZZ808HT-9-14×1.5-90			M	M 材质:铜 Copper									
	Code							sw	p(bar)	@¥/P			
	ZZ808HT- 9-14×1.5-90	9	M14×1.5	6	17	47	0	17	10				
	ZZ808HT-13-16×1.5-90	13	M16×1.5	9	22	52	9	22	15				



Corder ZZ808-13	-16×1.5	M 材质:铜 Copper									
Code							sw	p(bar)	@¥/P		
ZZ808HT-13-16×1.5	13	M16×1.5	9	22	52	9	22	15			
ZZ808HT-19-24×1.5	19	M24×1.5	15	31	78	16	30	20			



M16×1.5



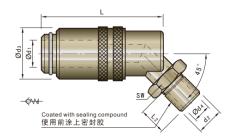
快速接头 🔐

Quick release connector plugs



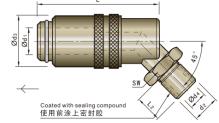






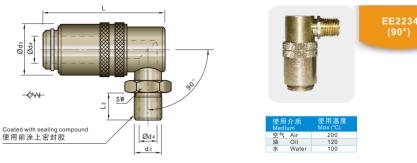
	32-9-14	M 材质:铜 Copper										
Code						L2	sw	p(bar)	@¥/P			
EE2232- 9-14	9	M14×1.5	6	17	42	9	14					
EE2232-13-16	13	M16×1.5	9	24	51	10	17	15				
EE2222 40 24	10	1404×4 E	42	24	90	10	20					





Order EE22	22-9-14	₩ 材质:铜(Copper						
Code						L2	sw	p(bar)	@¥/P
EE2222- 9-14	9	M14×1.5	6	17	42	9	14		
EE2222-13-16	13	M16×1.5	9	22	51	10	17	15	
FF0000 40 04	40	MO44 F	40	24	00	40	20		

Quick release connector plugs



☎ Order EE22	34-9-14	■材质:铜(Copper						
Code						L2	sw	p(bar)	@¥/P
EE2234- 9-14	9	M14×1.5	6	17	42	9	14		
EE2234-13-16	13	M16×1.5	9	22	51	10	17	15	
EE2234-19-24	19	M24×1.5	13	31	80	18	30		



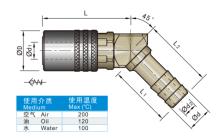
☎ Order EE22	24-d1-d2	■材质:铜(Copper						
Code						L2	sw	p(bar)	@¥/P
EE2224- 9-14	9	M14×1.5	6	17	42	9	14		
EE2224-13-16	13	M16×1.5	9	22	51	10	17	15	
FF2224-19-24	10	M24×1 5	13	31	80	18	30		











	306 🗖 杉	オ质:铜 Copp	er						
Code							L2	Series	@¥/P
SSVK-306	9.5	5	7.3	17	38		34	N 6	
SSVK-309	9.5	6	10.5	17	30	27	34	N O	
SSVK-311	13.6	0	12.2	22.6	52		37	N 9	
SSVK-313	13.0	9	14	22.0	32		31	IN 5	
CCV/V 210	20	16	20	30	7.4	46	60	N16	

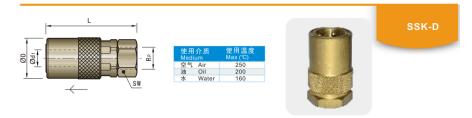


Order SSVK-200	₩ 材质:铜	Copper					
Code	Rp				sw	Series	@¥/P
SSVK-200	1/8"BSP	9.5	39	17	1/2"	N 6	
SSVK-300	1/4"BSP	13.6	53	22.6	3/8"	N 9	
SSVK-500	1/2"BSP	20	57	30	11/8"	N16	





☎Order SSK-30	6 🛮 材 🛭	质:铜 Coppe	er						
Code							L2	Series	@¥/P
SSK-306 SSK-309	9.5	5 6	7.3 10.5	17	38	27	34	N 6	
SSK-311 SSK-313	13.6	9	12.2 14	22.6	52	21	37	N 9	
SSK-319	20	16	20	30	67	46	69	N16	



Corder SSK-D-200	■材质:铜 C	opper					
Code	Rp				sw	Series	@¥/P
SSK-D-200	1/8"BSP	9.5	39	17	1/2"	N 6	
SSK-D-300	1/4"BSP	13.6	53	22.6	3/8"	N 9	
SSK-D-500	1/2"BSP	20	59	30	11/8"	N16	



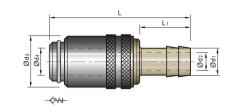




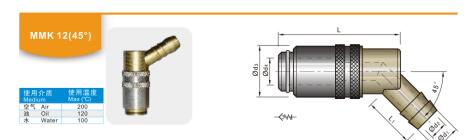
快速接头 AISI Quick release connector plugs



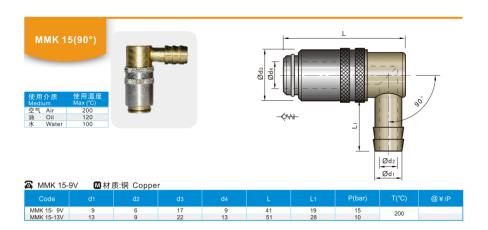


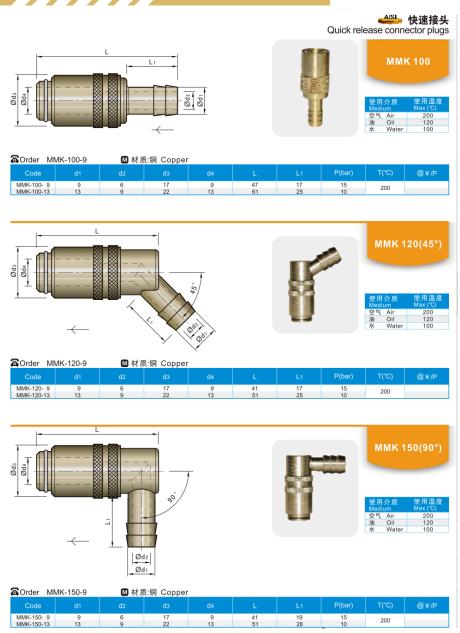


A MMK 10-	9V M 材	质:铜 Coppe							
Code							P(bar)	T(°C)	@¥/P
MMK 10- 9V	9	6	17	9	47	17	15	200	
MMK 10-13V	13	q	22	13	61	25	10	200	



MMK 12-	97 🖸材.	质:铜 Coppe	r						
Code							P(bar)	T(°C)	@¥/P
MMK 12- 9V	9	6	17	9	41	17	15	200	
MMK 12-13V	13	9	22	13	51	25	10	200	





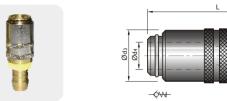




快速接头 ASSI Quick release connector plugs







			■材质	M材质:铜 Copper							
Code								P(bar)	@¥/S		
MMK 10- 9 MMK 10-13			7.5 10	17 23	9 13	54 64	24 28	15 10			



- 6	🕰 Order Mi	MK 15-9V-PL	. 🛮 🗗 材 🛭	贡:铜 Coppe	r				
	Code							P(bar)	@¥/S
	MMK 15- 9V-PL	10	7.5	17	9	42	24	15	
	MMK 15-13V-PL	13	10	23	13	52	28	10	



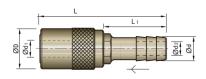




快速接头 AISI Quick release connector plugs







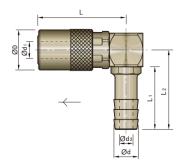
M材质:铜 Copper

Code							Series	@¥/P
SSK-106 SSK-109	9.5	5 6	7.3 10.5	17	25	52	N 6	
SSK-111 SSK-113	13.6	9	12.2 14	22.6	25	62	N 9	
SSK-119	20	16	20	30	32	77	N16	



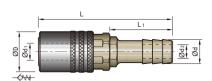






_				
™ Ordor	SCK 308	₩ 料 医·细	Connor	

Golder College	1/2 (1/2)	SK.M. COPP	CI						
Code							L2	Series	@¥/P
SSK-206 SSK-209	9.5	5 6	7.3 10.5	17	38	27	34	N 6	
SSK-211 SSK-213	13.6	9	12.2 14	22.6	52	21	37	N 9	
SSK 210	20	16	20	30	68	46	69	N16	





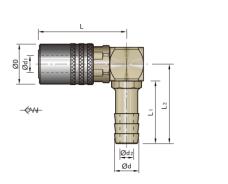




使用 Medi	介质 um	使用温度 Max (℃)
空气	Air	200
油	Oil	120
zk.	Water	100

TOuder.	SSVK-106	四 ## ## ##	Connor
Order	33VK-100	₩ 材质:铜	Copper

Code	d1	d2	d	D	L1	L	Series	@¥/P
SSVK-106 SSVK-109	9.5	5 6	7.3 10.5	17	27	57	N 6	
SSVK-111 SSVK-113	13.6	9	12.2 14	22.6	21	68	N 9	
SSVK-119	20	16	20	30	46	103	N16	





SOrder SSVK-206 M 材质:铜 Copper

CIGCI COVICE	-00 W 1/2	DODE	701						
Code							L2	Series	@¥/P
SSK-206 SSK-209	9.5	5 6	7.3 10.5	17	38	27	34	N 6	
SSK-211 SSK-213	13.6	9	12.2 14	22.6	52	21	37	N 9	
SSK-219	20	16	20	30	74	46	69	N16	

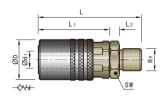


快速接头 AISI Quick release connector plugs



使用 Med	介质 ium	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



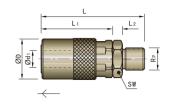


☎Order FFSVK-106V M材质:铜 Copper

Code	Rp			D		L2	sw	Series	@¥/P
FFSVK-106V	1/4"BSP	9.5	46	17	30.5	8	1/2"	N 6	
FFSVK-111V	3/8"BSP	13.6	60	22.6	41	8.5	3/8"	N 9	
FFSVK-119V	1/2"BSP	17.5	76	30	57	7	11/8"	N16	



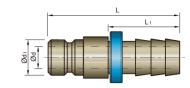




Order	FFSK-206V	M 材质:铜	Copper

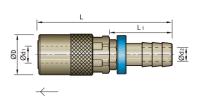
Code	Rp					L2	sw	Series	@¥/P			
FFSK-206V	1/4"BSP	9.5	46	17	30.5	7	1/2"	N 6				
FFSK-211V	3/8"BSP	13.6	60	22.6	41	8	3/8"	N 9				
FFSK-219V	1/2"BSP	17.5	72	30.6	51	8.5	11/8"	N16				





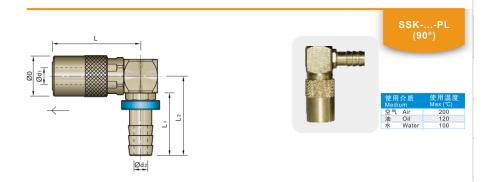
Order	SSTN-9-PL	M 材质:铜	Coppe

Code			fits hose ID			Series	@¥/S
SSTN- 9-PL	6	9.4	3/8"	24	37	N 6	
SSTN-13-PL	9	13.5	1/2"	28	48	N 9	
SSTN-19-PL	14	19.9	3/4"	28	63.5	N16	





ՃOrder SSK-106-PL			M材质:铜 Copper								
	Code			fits hose ID				Series	@¥/S		
	SSK-106-PL	9.5	5	1/4"	17		52	N 6			
	SSK-109-PL SSK-111-PL	42.0	6	3/8"	22.6	25	62	N 9			
	SSK-113-PL	13.6	9	1/2"	22.0		02	N 9			
	SSK-119-PL	20	14	3/4"	30	32	77	N16			



☎Order SSK-20	М材质:铜	M 材质:铜 Copper									
Code			fits hose ID				L2	Series	@¥/S		
SSK-206-PL	9.5	5	1/4"	17	38		34	N 6			
SSK-209-PL SSK-211-PL	13.6	6 3/8" 9 1/2"	3/8"	22.6	52	27	37	N 9			
SSK-213-PL	13.0		1/2"	22.0	52		31	N 9			
SSK-219PL	20	14	3/4"	30	68	46	69	N16			

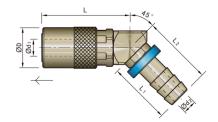


快速接头 AlSI Quick release connector plugs







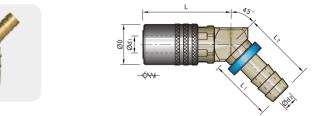


☎Order SSK-306-PL M材质:铜 Copper

Code			fits hose ID				L2	Series	@¥/S
SSK-306-PL	9.5	5	1/4"	17	38		34	N 6	
SSK-309-PL		6	3/8"			27			
SSK-311-PL	13.6			22.6	52		37	N 9	
SSK-313-PL		9	1/2"						
SSK-319PL	20	14	3/4"	30	68	46	69	N16	





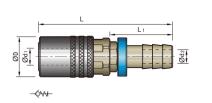


Order	SSVK-306-PL	₩材质:铜	Copper
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Code	d1	d2	fits hose ID	D	L	L1	L2	Series	@¥/S
SSVK-306-PL	9.5	5	1/4"	47	38		34	N 6	
SSVK-309-PL	9.5	6	3/8"	17	30	27	34	IN O	
SSVK-311-PL	13.6	0		22.6	52		37	N 9	
SSVK-313-PL		9	1/2"	22.0			31	IN 9	

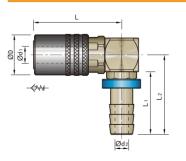








☎Order SSVK-106-PL										
Code			fits hose ID				Series	@¥/S		
SSVK-106-PL SSVK-109-PL	9.5	5	1/4"	17	27	57	N 6			
SSVK-111-PL SSVK-113-PL	13.6	6 9	3/8" 1/2"	22.6	21	68	N 9			





田心氏	油田油座

使用 Medi	介质 um	使用温度 Max (℃)			
空气	Air	200			
油	Oil	120			
水	Water	100			

☎ Order	SSK-206-PL	М材质:铜	Coppe

Code			fits hose ID				L2	Series	@¥/S
SSK-206-PL	9.5	5	1/4"	17	38		34	N 6	
SSK-209-PL	3.0	6	3/8"	.,,	50	27	04	14 0	
SSK-211-PL	13.6	0	3/0	22.6	52		37	N 9	
SSK-213-PL	13.0	9	1/2"	22.0	52		31	14.9	







快速接头 ⁴⁵Quick release connector plugs



使用 Medi	介质 ium	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



Order	JJS-201-M	M 材质:铜 Copper		
	Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets
	JJS-201-M	1/8NPT	1/ 4	JJP(F/B)-250 To 253
	JJS-302-M	1/4NPT	3/ 8	JJP(F/B)-351 To 354
	JJS-504-M	1/2NPT	9/16	JJP(F)-553 To 556



使用介质 Medium	使用温度 Max (℃)
空气 Air	200
油 Oil	120
水 Water	100



Corder JJS-201-MV	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	
JJS-201-MV	1/8NPT	1/ 4	JJP(F/B)-250 To 253	
JJS-302-MV	1/4NPT	3/ 8	JJP(F/B)-351 To 354	
JJS-504-MV	1/2NPT	9/16	JJP(F)-553 To 556	



使用 Medi	介质 ium	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



	-200	М 材质:铜			
Code		Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@ ¥ /P
JJS-20	00	1/8NPT	1/4	JJP(F/B)-250 To 253	
JJS-30	00	1/4NPT	3/8	JJP(F/B)-351 To 354	
JJS-50	00	1/2NPT	5/8	JJP(F)-553 To 556	



使用温度 Max (℃)
200
120
100



	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P
JJS-200-V	1/8NPT	1/4	JJP(F/B)-250 To 253	
JJS-300-V	1/4NPT	3/8	JJP(F/B)-351 To 354	
JJS-500-V	1/2NPT	5/8	JJP(F)-553 To 556	



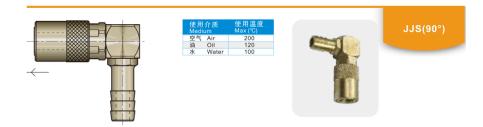
使用 Medi	介质 um	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



☎Order JJS-204 M	材质:铜 Copper			
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P
JJS-204	1/ 4	3/16		
JJS-205	5/16		JJP(F/B)-250 To 253	
JJS-206	3/ 8	1/ 4		
JJS-306	3/ 6		JJP(F/B)-351 To 354	
JJS-308	1/ 2	3/ 8	331 (176)-331 10 334	
JJS-504	17 2	3/ 6	JJP(F)-553 To 556	
JJS-506	3/ 4	5/ 8	35F(F)-555 T0 556	

-644-		使用介质 Medium 空气 Air 油 Oil 水 Wate	200 120		JJS\
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	■材质:铜 Copper			
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P
JJS-204-V	1/ 4	3/16		
JJS-205-V	5/16		JJP(F/B)-250 To 253	
JJS-206-V	3/ 8	1/ 4		
JJS-306-V	3/ 6		JJP(F/B)-351 To 354	
JJS-308-V	1/ 2	3/ 8	001 (17b)-001 10 004	
JJS-504-V	11 2	3/ 6	JJP(F)-553 To 556	
JJS-506-V	3/ 4	5/ 8	331 (1)-333 10 330	



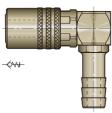
Code	M 材质:铜 Copper Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P
JJS-214	1/ 4	3/16		
JJS-215	5/16		JJP(F/B)-250 To 253	
JJS-216	3/ 8	1/ 4		
JJS-316	3/ 6		JJP(F/B)-351 To 354	
JJS-318	1/ 2	3/ 8	33F(F/B)-331 10 334	
JJS-514	1/ 2	3/ 6	JJP(F)-553 To 556	
JJS-516	3/ 4	9/16	301-(1-)-333-10-330	



快速接头 ^{AISI} Quick release connector plugs



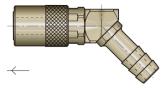
使用介质 Medium		使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



Corder JJS-214-V	M 材质:铜 Copper				
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P	
JJS-214-V	1/ 4	3/16			
JJS-215-V	5/16		JJP(F/B)-250 To 253		
JJS-216-V	3/ 8	1/ 4	2/ 9		
JJS-316-V	3/ 6		JJP(F/B)-351 To 354		
JJS-318-V	1/ 2	3/ 8	33F (F/B)-331 TO 334		
JJS-514-V	1/ 2	3/ 6	JJP(F)-553 To 556		
JJS-516-V	3/ 4	9/16	33F(F)-333 T0 330		



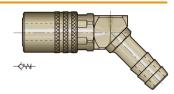
	m // m muib	Max (°C)
空득	ίAir	200
油	Oil	120
水	Water	100



	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@¥/P
JJS-224	1/ 4	3/16		
JJS-225	5/16		JJP(F/B)-250 To 253	
JJS-226	3/ 8	1/ 4		
JJS-326	3/ 6		JJP(F/B)-351 To 354	
JJS-328	1/ 2	3/ 8	331 (175)-331 10 334	
JJS-524	1/ 2	3/ 6	JJP(F)-553 To 556	
JJS-526	3/ 4	9/16	33F(F)-333 TO 330	



使月 Med	月介质 lium	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100

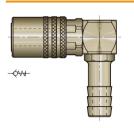


	M 材质:铜 Copper				
Code	Fits hose I.D.or pipe threao	Hose stem I.D.or thru hole	Used with sockets	@ ¥ /P	
JJS-224-V	1/ 4	3/16			
JJS-225-V	5/16		JJP(F/B)-250 To 253		
JJS-226-V	3/ 8	1/ 4	2/ 9		
JJS-326-V	3/ 0		JJP(F/B)-351 To 354		
JJS-328-V	1/ 2	3/ 8	331 (175)-331 10 334		
JJS-524-V	17 2	3/ 6	JJP(F)-553 To 556		
JJS-526-V	3/ 4	9/16	331 (1)-333 10 330		

使用介质 Medium	使用温度 Max (℃)
空气 Air	200
油 Oil	120
水 Water	100



Order JJS-204-SV	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJS-204-SV	1/ 4	3/16		
JJS-205-SV	5/16		JJP(F/B)-250 To 253(SV)	
JJS-206-SV	3/ 8	1/ 4		
JJS-306-SV	3/ 6		JJP(F/B)-351 To 354(SV)	



Medium	Max (°C)
空气 Air	200
油 Oil	120
水 Water	100



	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJS-214-SV	1/ 4	3/16		
JJS-215-SV	5/16		JJP(F/B)-250 To 253(SV)	
JJS-216-SV	3/ 8	1/ 4		
JJS-316-SV	3/ 6		JJP(F/B)-351 To 354(SV)	
JJS-318-SV	1/ 2	3/ 8	331 (1715)-331 10 334(34)	



Order JJS-214-SV	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJS-224-SV	1/ 4	3/16		
JJS-225-SV	5/16		JJP(F/B)-250 To 253(SV)	
JJS-226-SV	3/ 8	1/ 4		
JJS-326-SV	3/ 6		JJP(F/B)-351 To 354(SV)	
JJS-328-SV	1/ 2	3/ 8	001 (175) 001 10 004(04)	



快速接头 Alsi Quick release connector plugs





使用介质 Medium	使用温度 Max (℃)
空气 Air	200
油 Oil	120
zk Water	100

	201-MSV	■ 材质:铜 Copper	•		
Code		Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJS-201-M	SV	1/8NPT	1/ 4	JJP(F/B)-250 To 253(SV)	
JJS-302-M	SV	1/4NPT	3/ 8	JJP(F/B)-351 To 354(SV)	



	Order JJS-200-SV	M 材质:铜 Copper	•		
	Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
	JJS-200-SV	1/8NPT	1/4	JJP(F/B)-250 To 253(SV)	
1	JJS-300-SV	1/4NPT	3/8	JJP(F/B)-351 To 354(SV)	

快速接头 Quick release connector plugs

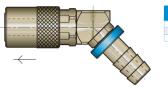






☎Order JJSL-0204 ■ 材质:铜 Copper

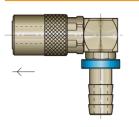
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0204	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0206	3/ 8	1/ 4	30F(F/B)-230 TO 233	
JJSL-0306	3/ 0	17 4	JJP(F/B)-351 To 354	
JJSL-0308	1/ 2	3/ 8	35F(F/B)-351 10 354	
JJSL-0504	17 2	3/ 6	JJP(F)-553 To 556	
JJSL-0506	3/ 4	5/ 8	33F(F)-333 T0 330	



使用 Medi	介质 um	便用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



Order JJSL-0224	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0224	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0226	3/ 8	1/ 4	331 (17b)-230 10 233	
JJSL-0326	3/ 0	17 4	JJP(F/B)-351 To 354	
JJSL-0328	1/ 2	3/ 8	331 (176)-331 10 334	
JJSL-0524	17 2	3/ 6	JJP(F)-553 To 556	
JJSL-0526	3/ 4	5/ 8	33F(F)-333 10 330	



使用 Medi	介质 um	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



Order JJSL-0214	M 材质:铜 Copper			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0214	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0216	3/ 8	1/ 4	33F (F/B)-230 TO 233	
JJSL-0316	3/ 6		JJP(F/B)-351 To 354	
JJSL-0318	1/ 2	27.0	30F (F/B)-331 10 334	
		3/ 8		



快速接头 ^{실运} Quick release connector plugs





使用 Medi	介质 um	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



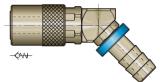
Order	JJSL-0204V	₩ 材质:铜	Copper

Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0204V	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0206V	3/ 8	3/ 8 1/ 4	331-(176)-230-10-233	
JJSL-0306V		17 4	JJP(F/B)-351 To 354	
JJSL-0308V	1/ 2	3/ 8	001 (17b)-001 10 004	
JJSL-0504V	1/ 2	3/ 6	JJP(F)-553 To 556	
JJSL-0506V	3/ 4	5/ 8	331 (1)-333 10 330	





使用介质 Medium		使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



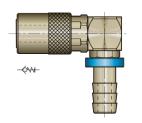
Order	JJSL-0224V	М 材质:铜	Conr

Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0224V	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0226V	3/ 9	3/ 8 1/ 4	331 (17b)-230 10 233	
JJSL-0326V	3/ 6	1/ 4	JJP(F/B)-351 To 354	
JJSL-0328V	1/ 2	3/ 8	331 (1715)-331 10 334	
JJSL-0524V	1/ 2 3/ 8 JJP(F)-553 To 556			
JJSL-0526V	3/ 4	5/ 8	JJP(F)-555 10 556	

1101 1/	
JJSLV	
(90°)	



Medi	介质 um	使用温度 Max (℃)
空气	Air	200
油	Oil	120
水	Water	100



☎Order JJSL-0214V M 材质:铜 Copper

Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0214V	1/ 4	3/16	JJP(F/B)-250 To 253	
JJSL-0216V	3/ 8	3/ 8 1/ 4	001 (17B) 200 10 200	
JJSL-0316V		17 4	JJP(F/B)-351 To 354	
JJSL-0318V	4/.0	3/ 8	33F (F/B)-331 TO 334	
JJSL-0514V	1/ 2	3/ 8	JJP(F)-553 To 556	
1191-0516\/	3/ /	5/ 8	33F(F)=333 T0 330	

使用介质 Medium	使用温度 Max (℃)
空气 Air	200
油 Oil	120
水 Wate	r 100



快速接头 Quick release connector plugs

☎Order JJSL-0204-SV M 材质:铜 Copper

	m 1.1 Marily colobo.			
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0204-SV	1/ 4	3/16	JJP(F/B)-250 To 253(SV)	
JJSL-0206-SV	3/ 8	1/ 4	33F(F/B)-230 T0 233(3V)	
JJSL-0306-SV			JJP(F/B)-351 To 354(SV)	
JJSL-0308-SV	1/ 2	3/ 8	331 (170)-331 10 334(34)	



1/ 2



JJP(F/B)-351 To 354(SV)

M 材质:铜 Copper Fits hose I.D.or pipe thread Hose stem I.D.or thru hole JJSL-0224-SV JJSL-0226-SV JJSL-0326-SV JJSL-0328-SV 3/16 JJP(F/B)-250 To 253(SV) 3/8 1/ 4

3/8





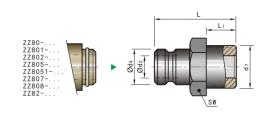
☎Order JJSL-0214-SV	M 材质:铜 Coppe	r		
Code	Fits hose I.D.or pipe thread	Hose stem I.D.or thru hole	Used with sockets	@¥/S
JJSL-0214-SV	1/ 4	3/16	JJP(F/B)-250 To 253(SV)	
JJSL-0216-SV	3/ 8	1/ 4	JJP(F/B)-250 T0 253(SV)	
JJSL-0316-SV	3/ 6	17 4	JJP(F/B)-351 To 354(SV)	
LICI 0040 CV	4/ 0	2/ 0	001 (170)-001 10 304(31)	



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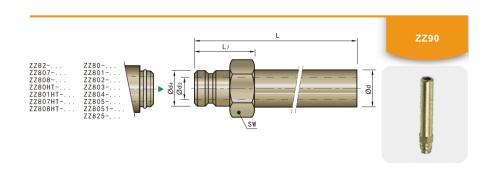
	×0.5	■ 材质:铜 Co	pper 表面电镀	处理			
Code						sw	@¥/P
ZZ81- 5- 5×0.5	18	5	2.7	5	M 5×0.5	7	
ZZ81- 5- 8×0.75	20		2.1	5	M 8×0.75	9	
ZZ81- 9- 7×1			4.5		M 7×1		
ZZ81- 9- 8×0.75		7	4.5		M 8×0.75		
ZZ81- 9- 9×1	24		5.5		M 9×1	11	
ZZ81- 9-10×1				9	M10×1		
ZZ81- 9-R1/8			6	9	G1/8A		
ZZ81- 9-14×1.5			0		M14×1.5		
ZZ81- 9-R1/4					G1/4A		
ZZ81-13-11×1			8.5		M11×1	15	
ZZ81-13-14×1.5	26	9			M14×1.5		
ZZ81-13-R1/4			9	13	G1/4A		
ZZ81-13-16×1.5			9	13	M16×1.5	17	
ZZ81-13-R3/8					G3/8A	17	
ZZ81-19-24×1.5	51	16			M24×1.5	27	
ZZ81-19-R1/2	47	12	13	19	G1/2A	22	
ZZ81-19-R3/4	51	16			G3/4A	27	



	×0.5-90°	М材质:铜	Copper 表i	面电镀处理				
Code			L2				sw	@¥/P
ZZ81- 5- 5×0. 5-90	15.5	5	14.5	2.7	5	M 5×0.5	9	
ZZ81- 5- 8×0.75-90	17.5	7	11.0		Ů	M 8×0.75	Ů	
ZZ81- 9- 8×0.75-90				4.5				
ZZ81- 9-10×1-90	27	9	23	6	9	M10×1	11	
ZZ81- 9-R1/8-90						R1/8A		
ZZ81-13-14×1.5-90	34	11	25	9	13	M14×1.5	15	
ZZ81-13-R1/4-90	34	- ''	25	9	13	R1/4A	15	
ZZ81-19-24×1.5-90	47	16	42	13	19	M24×1.5	24	
ZZ81-19-R1/2-90	4/	10	42	13	19	R1/2A	24	



☎ Order ZZ811-5-	5×0.5	M 材质:铜 C	opper 表面!	电镀处理				
Code					p(bar)		sw	@¥/P
ZZ811- 5- 5×0. 5 ZZ811- 5- 8×0.75	28 30	5 7	2.7	5	10	M 5×0.5 M 8×0.75	9	
ZZ811- 9-14×1.5 ZZ811- 9-R1/4	29	12	6	9	10	M14×1.5 G1/4A	15	
ZZ811-13-16×1.5 ZZ811-13-R3/8	30		9	13	15	M16×1.5 G3/8A	17	
ZZ811-19-24×1.5 ZZ811-19-R3/4	51	16	13	19	20	M24×1.5 G3/4A	27	



Code		L7				sw	@¥/P
ZZ90- 5× 63	63	- 10					
ZZ90- 5×100	100	15	5	3	5	/	
ZZ90- 9× 63	63		8	5		9	
ZZ90- 9×100	100	21	0	D D		9	
ZZ90- 9×120	120		10		9		
ZZ90- 9×240	240	21		6	9	11	
ZZ90- 9×360	360						
ZZ90-13×150	150						
ZZ90-13×300	300	23	14	9	13	15	
ZZ90-13×450	450	23			13		
ZZ90-19×500	500	35	21	13	19	22	
ZZ90-19×800	800	J0	21	13	19		





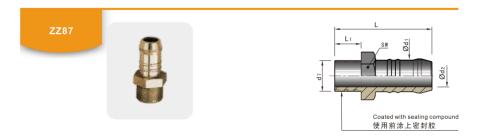




	Coated with sealing compound 使用前涂上密封胶
ZZ80 ZZ802 ZZ80700 ZZ805 ZZ805 ZZ80HT ZZ807HT	SW L1

使用介 Mediun		使用温度 Max (℃)
空气	Air	250
油 (Dil	200
水 \	Vater	160

Order ZZ811HT-9×14×1.5			M材质:铜 Copper								
	Code						sw	p(bar)	@¥/P		
	ZZ811HT- 9×14×1.5 ZZ811HT- 9×R1/4A	9	M14×1.5 G1/4A	6	29	40	15	10			
	ZZ811HT-13×16×1.5	13	M16×1.5	9	30	12	17	15			



☎ Order ZZ87-5-5×0.5		М材质:铜	™材质:铜 Copper						
d7						sw	@¥/P		
ZZ87- 5- 5×0.5	5	M 5×0.5	3.5	21.5	5	7			
ZZ87- 5- 8×0.75	Ü	M 8×0.75	0.0	23.5		9			
ZZ87- 7- 7×1		M 7×1	4.5			11			
ZZ87- 9- 8×0.75		M 8×0.75			7				
ZZ87- 9- 9×1	9	M 9×1	5.5	33.5	'				
ZZ87- 9-10×1		M10×1	6						
ZZ87- 9-R1/8		G1/8A	· ·						
ZZ87-13-11×1		M11×1							
ZZ87-13-12×1.5		M12×1.5				15			
ZZ87-13-14×1.5	13	M14×1.5	9	40	9				
ZZ87-13-16×1.5	13	M16×1.5	9	40	a	17			
ZZ87-13-R1/4		G1/4A				15			
ZZ87-13-R3/8		G3/8A				17			
ZZ87-19-24×1.5		M24×1.5		56	16	27			
ZZ87-19-R1/2	19	G1/2A	13	50	12	22			
ZZ87-19-R3/4		G3/4A		56	16	27			



	8-9-10×1	■材质:铜 C	opper 表面F	电镀处理				
Code						L4	sw	@¥/P
ZZ88- 9-10×1 ZZ88- 9-R1/8	9	M10×1 G1/8A	6	40.5	7	14	11	
ZZ88-13-12×1.5 ZZ88-13-14×1.5 ZZ88-13-R1/4	13	M12×1.5 M14×1.5 G3/8A	8 9	47	9	16	15	
ZZ88-19-24×1.5 ZZ88-19-R1/2	19	M24×1.5 G1/2A	13	62	12	22	27	



☐Order ZZ880-5×5	M材质:铜 Copper	表面电镀处理		
Code				@¥/P
ZZ880- 5× 5	5	3.5	29	
ZZ880- 9× 9	9	6	48	
ZZ880-13×13	13	9	54	
ZZ880-13×13	19	13	69	



3.5 6 39 51.5

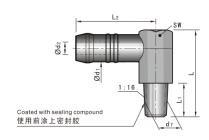
ZZ881- 5× 9 ZZ881- 9×13 ZZ881-13×19



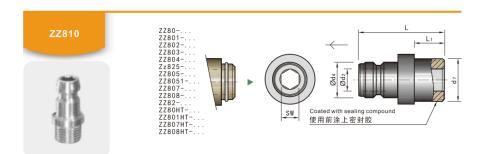
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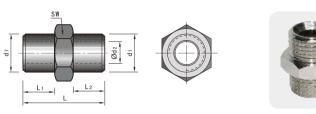


Order ZZ89-9	-8×0.75	М材质:铜] Copper 表i	面电镀处理				
Code						L2	sw	@¥/P
ZZ89- 9- 8×0.75 ZZ89- 9-10×1 ZZ89- 9-R1/8	9	M 8×0.75 M10×1 R1/8	6	27	9	28	11	
ZZ89-13-14×1.5 ZZ89-13-R1/4	13	M14×1.5 R1/4A	9	34	11	32.5	15	
ZZ89-19-24×1.5 ZZ89-19-R1/2	19	M24×1.5 R1/2A	13	47	16	44	24	



			per 表面电镀纹				
Code						sw	@¥/P
ZZ810- 5× 5×0.5	5	M 5×0.5	2.7	18	5	0.5	
ZZ810- 5× 8×0.75	5	M 8×0.75	2.7	20		2.5	
ZZ810- 9× 7×1		M 7×1					
ZZ810- 9× 8×0.75		M 8×0.75	4.5		7		
ZZ810- 9× 9×1	9	M 9×1		24	/		
ZZ810- 9×10×1		M10×1				5	
ZZ810- 9×R1/8		R1/8A	6				
ZZ810- 9×14×1.5		M14×1.5	0				
ZZ810- 9×R1/4		R1/4A					
ZZ810-13×11×1		M11×1	8.5				
ZZ810-13×14×1.5		M14×1.5		26	9		
ZZ810-13×R1/4	13	R1/4A	9			7	
ZZ810-13×16×1.5		M16×1.5	9				
ZZ810-13×R3/8		R3/8A					
ZZ810-19×24×1.5		M24×1.5		51	16		
ZZ810-19×R1/2	19	R1/2A	13	47	12	11	
ZZ810-19×R3/4		R3/4A		51	16		

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☎ Order ZZ812-14×1.	5	₩ 材质:铜(Copper 表面	电镀处理				
Code						L2	sw	@¥/P
ZZ812-14×1.5	M14×1.5	M14×1.5	6	23	9		17	
ZZ812-14×1.5-R1/4	G1/4A		v	20	9		"	
ZZ812-R1/4		G1/4A						
ZZ812-R1/2-14×1.5	M14×1.5	G1/2A				9	22	
ZZ812-16×1.5	M16×1.5	M16×1.5						
ZZ812-16×1.5-R3/8	G3/8A	W110^1.5	9	30	12		19	
ZZ812-R3/8	GS/OA	G3/8A						
ZZ812-R1/2-16×1.5	M16×1.5	G1/2A					22	
ZZ812-24×1.5	M24×1.5	M24×1.5		40	16	16	27	
ZZ812-24×1.5-R1/2	G1/2A	IVI24^ 1.5		36	10	12		
ZZ812-R1/2	GIIZA	G1/2A	13	30	12	12	22	
ZZ812-R3/4	G3/4A	00/44		40	16	16	27	
77040 D0/4 04v4 F	1404 st F	G3/4A		40	10	10	21	



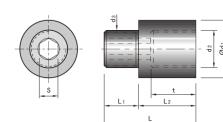
Order ZZ814-14×	1.5-10×1	M 材质:铜 Copp	er 表面电镀处理			
Code					sw	@¥/P
ZZ814-14×1.5-10×1	M10×1	M14×1.5	11	7	17	
ZZ814-18×1.5-14×1.5	M14×1.5	M18×1.5	14	9	22	
ZZ814-R1/4-R1/8	G1/8	G1/4A	11	7	17	
ZZ814-R3/8-R1/4	G1/4	G3/8A	13	9	19	
ZZ814-R1/2-R3/8	G3/8	G1/2A	18	12	24	
ZZ814-24×1.5-16×1.5	M16×1.5	M24×1.5	0.4	40	07	
ZZ814-R3/4-R1/2	G1/2	G3/4A	24	16	27	



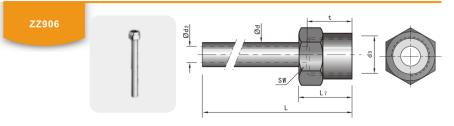




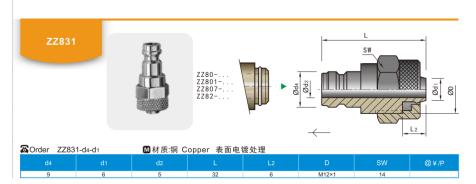


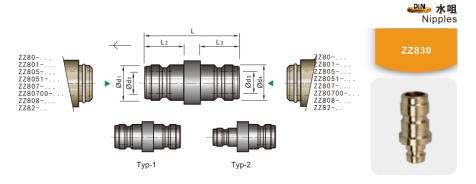


Order ZZ905-14	×1.5-10×1	М材质:钋	Copper	表面电镀处	理				
Code						L2			@¥/P
ZZ905-14×1.5-10×1 ZZ905-R1/4-R1/8	M14×1.5 G1/4	M10×1 G1/8A	17	22	7	45	12	6	
ZZ905-16×1.5-14×1.5 ZZ905-R3/8-R1/4	M16×1.5 G3/8	M14×1.5 G1/4A	22	24	9	15	12	8	

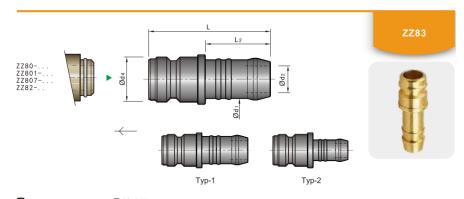


☐Order ZZ906-9×1	20-14×1.5	М材质:铜	Copper 3	表面电镀处	理				
Code	Тур					L7		sw	@¥/P
ZZ906- 9×120-14×1.5 ZZ906- 9×240-14×1.5	9	120 240	M14×1.5	10	6	45.5	40	17	
ZZ906-13×150-16×1.5 ZZ906-13×300-16×1.5	13	150 300	M16×1.5	14	9	15.5	12	22	
ZZ906-19×500-24×1.5 ZZ906-19×800-24×1.5	19	500 800	M24×1.5	21	13	21	16	30	





Order	ZZ830-d1-d4	₩材质:铜	Copper								
d1					L2	L3	P(bar)	Тур	@¥/P		
5	5	2.7	2.7	22	10	10		1			
3	Q.	2.7	6	26.5	10		10	2			
9	9	6	0	30.5		14	10	1			
9	42	0	0	31	44	14		2			
40	13			13	9	31	14		45	1	
13	40	40	9	40	46		0.7	15	2		
19	19	13	13	59	27	27	20	1			



	₄-d1 M 材质:٩	洞 Copper				
d4				L2	Тур	@¥/P
5	5	3.5	25	13.5		
9	9	6	43.5	22.5		
13	13	9	42	25	'	
19	19	13	61	32		
9	5	3.5	29.5	13.5		
13	9	6	39.5	22.5	2	
19	13	9	54	25		







SST 11-13-M14×1.5H

SST 11-13-M16×1.5H

SST 11-13-R3/8"H

M14×1.5

M16×1.5

3/8"BSP

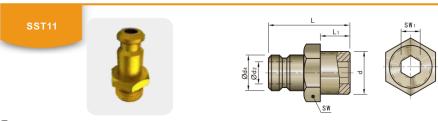
9.3

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☎Order SST11-9-M8×	0.75	M 材质:铜 Copper										
Code						P(bar)	T(℃)	SW	@¥/P			
SST 11- 9-M 8×0.75	M 8×0.75	4.5										
SST 11- 9-M10×1	M10×1			24	7			11				
SST 11- 9-R1/8"	1/8"BSP	6	9			15	200					
SST 11- 9-M14×1.5	M14×1.5	0	9			15		15				
SST 11- 9-R1/4"	1/4"BSP											
SST 11-13-M14×1.5	M14×1.5			26	9			15				
SST 11-13-R1/4"	1/4"BSP	9	13	26	9	10						
SST 11-13-M16×1.5	M16×1.5	9	13			10		17				
SST 11-13-R3/8"	3/8"BSP							17				



☎Order SST11-9-R1/8	"H	■ 材质:	M材质:铜 Copper							
Code						P(bar)	T(°C)	sw	SW1	@¥/P
SST 11-9-R1/8"H	1/8"BSP			24	7			11		
SST 11-9-M10×1H	M10×1	6	0			15	200		Б	
SST 11-9-R1/4"H	1/4"BSP	0	9	26	0	15	200	15	5	
SST 11-9-M14×1.5H	M14×1.5			20	9			10		

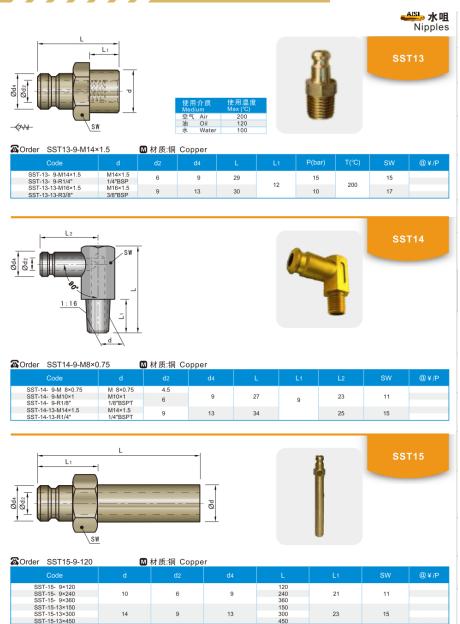


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15

200

17



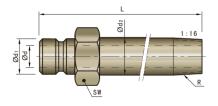
SST-15-13×450



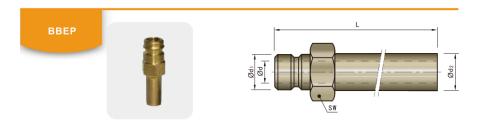




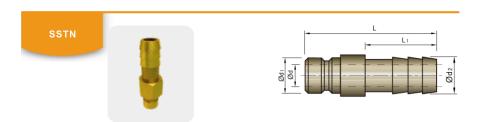




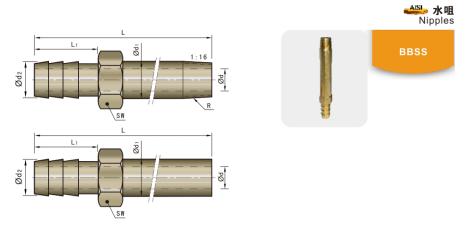
Order BBE	P-1810 M	】材质:铜 Copp	oer					
Code			sw				Series	@¥/P
BBEP-1810	1/8"BSPT	100	11	6	9.4	10	N6	
BBEP-1415	1/4"BSPT	150	15	9	13.5	14	N9	



Corder BBEP	P-1815 M 材	质:铜 Copper					
Code		sw				Series	@¥/P
BBEP-1815 BBEP-1825	150	11	6	9.4	10	N6	
BBEP-1425	250	15	9	13.5	14	N9	



4	SOrder SSTN ■ Order SSTN	-9 🛮 材	质:铜 Copper					
	Code						Series	@¥/P
	SSTN- 9	6	9.4	10	17	39	N 6	
	SSTN-13	9	13.5	14	21	41	N 9	
L	SSTN-19	15.5	19.9	20	46	91	N16	



☎Order BBSS-1810 ■材质:铜 Copper												
Code							sw	@¥/P				
BBSS-1810	1/8"BSPT	100	17	6	10							
BBSS-1815		150				10	11					
BBSS-1825	-	250										
BBSS-1415	1/4"BSPT	150	25	9	14	14	15					
BBSS-1425	-	250	25	9	14	14	15					



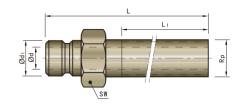
Order AA	ATN-9	₩材质:铜	Copper						
Code						L2	sw	Series	@¥/P
AATN- 9	1/8"BSPT	9.4	6	27	9	23	11	N6	
AATN-13	1/4"BSPT	13.5	9	34	9	24.5	15	N9	



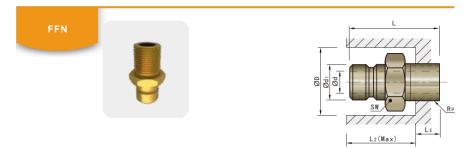




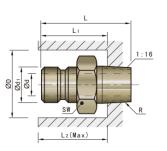




	JP-2514 🛮	】材质:铜 Copp	oer					
Code	Rp					sw	Series	@¥/P
EEJP-2514				100				
EEJP-2516	1/8"BSP			150		12		
EEJP-2518				200				
EEJP-2524				100				
EEJP-2526	1/4"BSP	9.4	6.3	150		15	N6	
EEJP-2528				200				
EEJP-2534				100				
EEJP-2536	3/8"BSP			150	61	18		
EEJP-2538				200				
EEJP-3514				100				
EEJP-3516	1/8"BSP			150				
EEJP-3518				200		15		
EEJP-3524				100		13		
EEJP-3526	1/4"BSP	13.5	9.5	150			N9	
EEJP-3528				200				
EEJP-3534				100				
EEJP-3536	3/8"BSP			150		18		

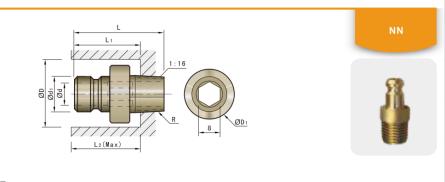


	I-9-14A	₩材质:铜	Copper							
Code	Rp		L2				L3	sw	Series	@¥/P
FFN- 9-14A	1/4"BSP	30	23.5	13.5	9	34		16	N 9	
FFN- 9-38A			2010	1010	ŭ		11.5	19		
FFN-16-38A	3/8"BSP					40				
FFN-16-38AL		32	29.5	19.9	15	53	24.5	22	N16	
FFN-16-12A	1/2"BSP	32	29.5	19.9	15	45	16.5	22	INTO	
FFN-16-12AL	1/2 DOF					54	25.5			





☎ Order NN-	-6-1/8"A	材质:铜	Copper							
Code							L2	sw	Series	@¥/P
NN- 6-1/8"A NN- 6-MA	1/8"BSPT M10×1	9.4	6	24 23	22	17	18	13	N 6	
NN- 6-1/4"A NN- 6-3/8"A	1/4"BSPT 3/8"BSPT	9.4	0	29 30	26 30	19 21	20 22	16 19	IN D	
NN- 9-1/8"A NN- 9-1/4"A	1/8"BSPT 1/4"BSPT				26	25	26	14 16		
NN- 9-3/8"A NN- 9-MA	3/8"BSPT M10×1	13.5	9	34 29.5	30 26	26 25	28 26	19 16	N 9	
NN- 9-1/2"A NN-16-1/2"A	1/2"BSPT			39	37 32	26 37	28 38	24 22		
NN-16-3/4"A	3/4"BSPT	19.9	16	44 45	38	38	38 40	29	N16	



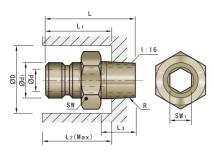
Order NN-	9-3/8AH	材质:铜	Copper							
Code							L2		Series	@¥/P
NN-9-3/8AH	3/8"BSPT	13.5	9	34	21	30	28	26	N9	



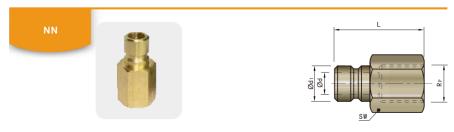
水咀 🏭 Nipples

NN





☐Order NN-9-1	/8AHN (₩ 材质:钋	Coppe	r								
Code					L3		L2		sw	SW1	Series	@¥/P
NN-6-1/8AHN NN-6-M10×1AHN	1/8"BSPT M10×1	6	9.4	23	9	22	16	14	11	5	N6	
NN-6-1/4AHN NN-6-M14×1.5AHN	1/4"BSPT M14×1.5	0	9.4	28		26	10	14	16	5	INO	
NN-9-1/4AHN NN-9-M14×1.5AHN	1/4"BSPT M14×1.5	9.3	13.5	34	14	20	22	20	10	8	N9	
NN-9-M16×1.5AHN	M16×1.5	9.3	13.5	35		30	23	21	19	0	N9	

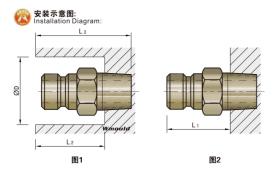


	/8"Ⅰ 材	质:铜 Copper					
Code	Rp				sw	Series	@¥/P
NN-6-1/8"I	1/8"BSP			28	13		
NN-6-1/4"I	1/4"BSP	9.4	6	32	16	N6	
NN-6-3/8"I	3/8"BSP			34	19		
NN-9-1/4"I	1/4"BSP			37	16		
NN-9-3/8"I	3/8"BSP	13.5	9	39	19	N9	
NN-9-1/2"I	1/2"BSP			46	24		





Order JJP-250	М材质:铜 C	opper				
Code					Used with sockets	@¥/P
JJP-250 JJP-251	59/64	1/16NPT 1/ 8NPT	3/16	7/16	JJS-204-(V/SV)	
JJP-251 JJP-252	1 5/32	1/ 4NPT	1/ 4	9/16	To JJS-226-(V/SV)	
JJP-253 JJP-351	1 ³ /16	3/ 8NPT 1/ 8NPT	17 4	11/16	, , ,	
JJP-352	125/64	1/ 4NPT		9/16	JJS-306-(V/SV) To	
JJP-353 JJP-354	137/64	3/ 8NPT 1/ 2NPT	3/ 8	11/16	JJS-328-(V/SV)	
JJP-553	1 ⁹ /16	3/ 8NPT	7/16	7/ 8	JJS-504-(V)	
JJP-554 JJP-556	1 ³ / 4	1/ 2NPT 3/ 4NPT	5/ 8	1 ¹ / 8	To JJS-526-(V)	



Code		L2	L3	
JJP-250 JJP-251	11/16	11/16	1"	5/ 8
JJP-252-(SV)	27/32		1 ³ /16	7/ 8
JJP-253-(SV) JJP-351		15/16	1 1/ 4	29/32 7/ 8
JJP-351 JJP-352-(SV)	1.000	13/32	1 ⁷ /16	11/32
JJP-353-(SV)		11/8		1 ¹ /16
JJP-354-(SV) JJP-553	1 ³ /16	1 ¹ / 4 1 ³ /16	1 ⁹ /16 1 ⁵ / 8	1 ³ /16 1 ¹ / 8
JJP-553 JJP-554	11/4	11/ 2	1 °/ 8 1 ¹³ /16	17/ 8 17/16
.LIP-556	11/ 2	19/16	1 7/ 8	11/2



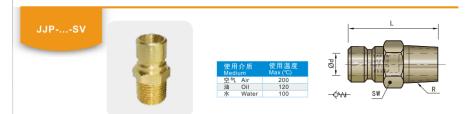


JJPE





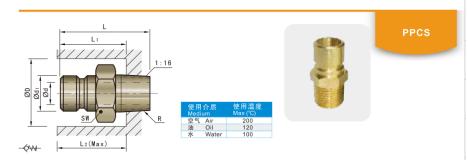
Order JJPF-02	250 М材质:铜	Copper				
Code				sw	Used with sockets	@¥/P
JJPF-0250 JJPF-0251	1"	1/16NPT 1/ 8NPT	1/ 4	1/ 2	JJS-204-(V/SV)	
JJPF-0252 JJPF-0253	1 ⁹ /32 1 ¹³ /32	1/ 4NPT 3/ 8NPT	1/ 4	5/ 8 3/ 4	JJS-226-(V/SV)	
JJPF-0351 JJPF-0352	1 ⁹ /32 1 ³¹ /64	1/ 8NPT 1/ 4NPT	11/32	5/ 8	JJS-306-(V/SV)	
JJPF-0353 JJPF-0354	1 ³⁷ /64 1 ⁴⁹ /64	3/ 8NPT 1/ 2NPT	3/ 8	3/ 4	JJS-328-(V/SV)	
JJPF-0553 JJPF-0554	1 ¹¹ /16 1 ⁴⁹ /64	3/ 8NPT 1/ 2NPT	9/16 5/ 8	15/16	JJS-504-(V) To	
LIDE OFFC	1 704	O/ ANIDT	3/ 0	414.0	.LIS-526-(V)	



Corder JJP-252	2-SV M 材质:铜	Copper				
Code				sw	Used with sockets	@¥/P
JJP-252-SV	1 ⁵ /32	1/4NPT	1/4	9/16	JJS-204-SV To	
JJP-253-SV	1 ³ /16	3/8NPT	1/4	11/16	JJS-226-SV	
JJP-352-SV	1 ²⁵ /64	1/4NPT		9/16	JJS-306-SV To	
JJP-353-SV	1 ²⁵ /64	3/8NPT	3/8	11/16	JJS-306-SV 10 JJS-328-SV	
UD 054 014	42710.4	4 (ONIDT		71.0	JJJ-JZ0-3V	



Code	Rp		sw	Used with sockets	@¥/P
JJPB-2514 JJPB-2516 JJPB-2518	1/8	4" 6" 8"	7/16		
JJPB-2524 JJPB-2526 JJPB-2528	1/4	4" 6" 8"	9/16	JJS-204-(V/SV) To JJS-226-(V/SV)	
JJPB-2534 JJPB-2536 JJPB-2538	3/8	4" 6" 8"	11/16		
JJPB-3514 JJPB-3516 JJPB-3518	1/8	4" 6" 8"	9/16		
JJPB-3524 JJPB-3526 JJPB-3528	1/4	4" 6" 8"		JJS-306-(V/SV) To JJS-328-(V/SV)	
JJPB-3534 JJPB-3536 JJPB-3538	3/8	4" 6" 8"	11/16	000-020=(V/OV)	



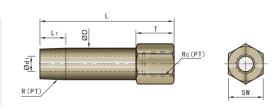
Order PPC	CS-6-14A	■材质:铜 Copper										
Code							L2	sw	Series	@¥/P		
PPCS- 6-14A	1/4"BSPT	9,4	6	29	28	18	20	16	N 6			
PPCS- 6-38A	3/8"BSPT	9.4	0	29.5	30	10	20	19	IN D			
PPCS- 9-14A	1/4"BSPT			34	28	25	27	16				
PPCS- 9-38A	3/8"BSPT	13.5	9	34	30	26	28	19	N 9			
PPCS- 9-12A	1/2"BSPT			37	35	20	20	24				
PPCS-16-12A	1/2 0351	19.9	15	44.4	30	32	34	7/8"	N16			
PPCS-16-34A	3/4"BSPT	19.9	15	44.4	42	30	32	11/8"	NIO			





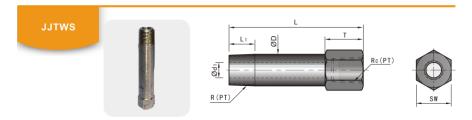






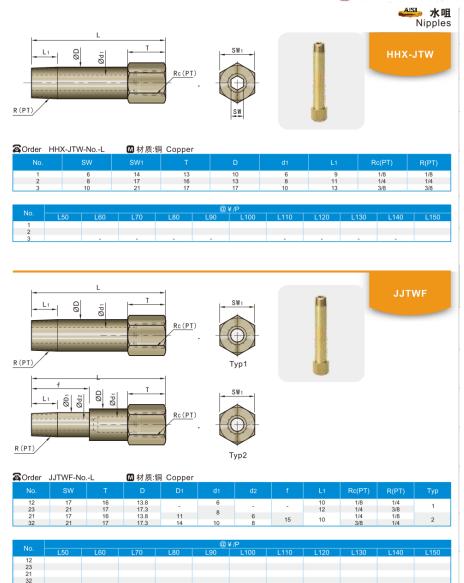
	oL M :	材质:铜 Copper					
No.						Rc(PT)	R(PT)
1	14	13	10.5	6	10	1/8	1/8
2	17	16	13.8	8	10	1/4	1/4
3	21	17	17.3	10	12	3/8	3/8

No.								¥/P							
NO.	L30	L35	L40	L45	L50	L70	L90	L110	L130	L150	L170	L190	L210	L230	L250
1															
2															
3															



	NoL 🖸	材质:不锈钢 Sta	ainless steel				
No.						Rc(PT)	R(PT)
1	14	13	10.5	6	10	1/8	1/8
2	17	16	13.8	8	10	1/4	1/4
3	21	17	17.3	10	12	3/8	3/8

No.								¥/P							
INO.	L30	L35	L40	L45	L50	L70	L90	L110	L130	L150	L170	L190	L210	L230	L250
- 1															
2															
3															

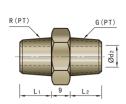






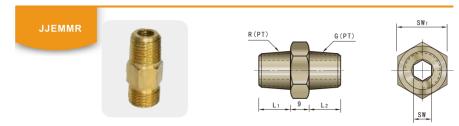
JJEMM





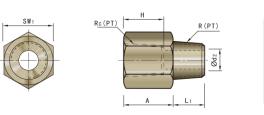


Order JJE	MM-No.	M 材质:铜 Copper									
No.		L2		R(PT)	G(PT)	SW1	@¥/P				
11 12		10	6	1/8	1/8 1/4	14 17					
13	10	12	·		3/8	21					
22		10	8	1/4	1/4	17					
23		12			3/8	21					
33	12		10	3/8	5/0						



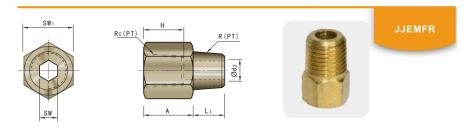
Order JJEM	IMR-No.	M 材质:铜 Copper									
No.		L2	R(PT)	G(PT)	sw		@¥/P				
11 12		10	1/8	1/8 1/4	6	14 17					
13	10	12		3/8		21					
22		10	1/4	1/4	ρ.	17					
23		12		3/8	0	21					
33	12	12	3/8	3/6	10	21					

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	IF-No.	■ 材质:铜 Co	pper					
No.					Rc(PT)	R(PT)	SW1	@¥/P
11	14				1/8	1/8		
12		10	6	10	1/8	1/4	17	
21				10		1/8		
22	16	12	8		1/4	1/4		
23	10	12	0			3/8		
31		10	6	12		1/8	21	
32		12	8	12	3/8	1/4		
33		12	10			3/8		



☎ Order JJEM	FR-No.		pper					
No.				Rc(PT)	R(PT)		SW1	@¥/P
11 12	14	10	10	1/8	1/8 1/4	6	17	
21 22	46	40	10	1/4	1/8 1/4	0		
23 31	16	12 10			3/8 1/8	8	21	
32		12	12	3/8	1/4	8	21	
33		,2			3/8	10		



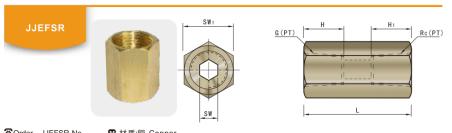




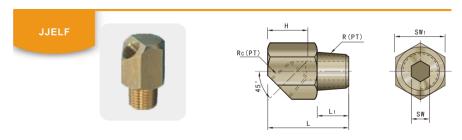


G (PT)	H	H1 Rc (PT)	
	=====	<u> </u>	
	L		

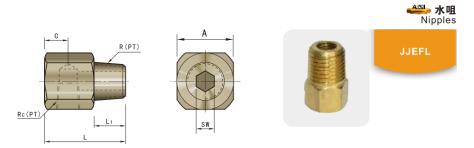
2	Order J	JEFS-No.	М 材质:铜	Copper					
						Rc(PT)	G(PT)	SW1	@¥/P
	11			6		1/8	1/8	17	
	12	10	10	в		1/4	1/0	17	
	22	10	10	Q	30	1/4	1/4	19	
	23		12	0		3/8	1/4	19	
	33	12	12	10		3/0	3/8	22	



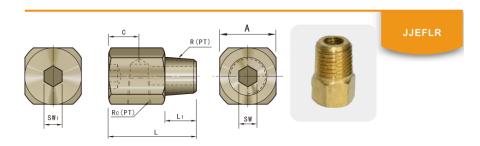
Order	JJEFSK-NO.	₩ 材质:铜	Copper					
				Rc(PT)	G(PT)	sw	SW1	@¥/P
11 12	40	10		1/8	1/8	6	17	
22 23	10	40	30		1/4	8	19	
33	12	12		3/8	3/8	10	22	



Order JJELF	F-No.	材质:铜 Copp	er				
			R(PT)	Rc(PT)	sw	SW1	@¥/P
11	30	10	1/8	1/8	6	10	
12	32	12	1/4	1/0	8	19	



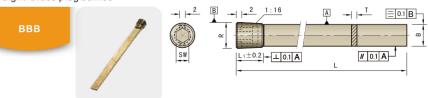
☎ Order JJE	FL-No.	对质:铜 Cop	per					
No.					Rc(PT)	R(PT)	sw	@¥/P
11	35	9	14	12	1/8	1/8		
12	37	11	14		1/0	1/4	6	
21	41	9	17.5	11		1/8	0	
22	43	11	17.5	- 11	1/4	1/4		
23	45	13				3/8	8	
31	48 11		22	13	2/0	1/4	6	
32	50			13	3/8	3/8	8	



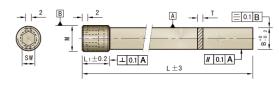
🕿 Order J	JEFLR-No.	М材质:铜	Copper						
					Rc(PT)	R(PT)		SW1	@¥/P
11	35	9	14	12	1/8	1/8		6	
22	47.3	11	17.5	15.3	1/4	1/4	0	0	
33	56	13	22	18	3/8	3/8	8	8	



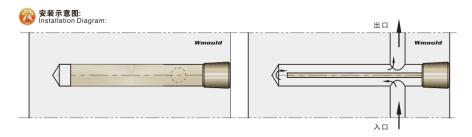


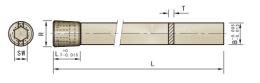


☎ Order BBB	3-100-1/8	₩材质:	█材质:铜 Copper										
Code								@¥/P					
BBB-100-1/8 BBB-200-1/8	1/8"BSPT	8.2	104 204	8	1.6	8.5	5						
BBB-125-1/4 BBB-250-1/4	1/4"BSPT	11.2	131 258			11.5	6						
BBB-150-3/8 BBB-300-3/8	3/8"BSPT	14.7	156 309	10	2.4	15	8						
BBB-200-1/2 BBB-400-1/2 BBB-300-3/4 BBB-500-3/4	1/2"BSPT	18.2	207 410			18.5	10						
	3/4"BSPT	23.2	309 512	12	3.2	23.5	12						



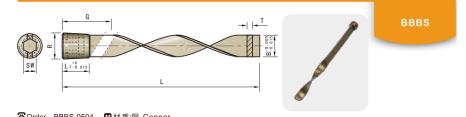
	-M8×0.75	■材质:铜 C	opper					
Code						sw		@¥/P
BBB-100-M 8×0.75 BBB-200-M 8×0.75	5.8	104 204			6	4	M 8×0.75	
BBB-100-M10×1 BBB-200-M10×1 BBB-125-M12×1.5	7.8	104 204	8	1.6	8	5	M10×1	
BBB-250-M12×1.5	9.8	129 254		2	10	6	M12×1.5	
BBB-150-M16×1.5 BBB-300-M16×1.5	13.8	154 304			14	8	M16×1.5	
BBB-150-M20×1.5 BBB-200-M20×1.5 BBB-300-M20×1.5	17.8	154 304 204	10	2.4	18	10	M20×1.5	
BBB-400-M20×1.5 BBB-150-M24×2 BBB-300-M24×2	19.8	404 154 304	12	2.5	20	12	M24×2	



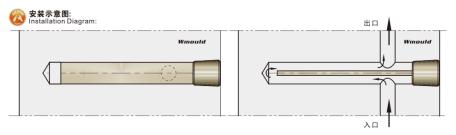




Order BBE	爲Order BBB-05-4													
Code						Drill size	sw	@¥/P						
BBB- 05- 4 BBB- 05- 8	1/16NPT	0.245	4" 8"	0.250	0.50	1/ 4	5/32							
BBB- 10- 4 BBB- 10- 8	1/ 8NPT	0.307	4" 8"	0.250	1/16	5/16	3/16							
BBB- 20- 5 BBB- 20-10	1/ 4NPT	0.432	5" 10"	0.406	3/32	7/16	1/ 4							
BBB- 40- 6 BBB- 40-12	3/ 8NPT	0.557	6" 12"	0.400		9/16	5/16							
BBB- 60- 8 BBB- 60-16	1/ 2NPT	0.682	8" 16"	0.524		11/16	3/ 8							
BBB-100-12 BBB-100-20	3/ 4NPT	0.932	12" 20"	0.531		15/16	9/16							
BBB-140-16 BBB-140-24	1NPT	1.120	16" 24"	0.656	1/ 8	1 1/8	5/ 8							



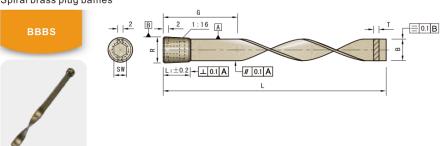
Order BBE	3S-0504 M	】材质:铜 C0	pper						
Code							Drill size	sw	@¥/P
BBBS- 0504 BBBS- 0508	1/16NPT	0.245	4" 8"	0.250	2" 4"	0.50	1/ 4	5/32	
BBBS- 1004 BBBS- 1008	1/ 8NPT	0.307	4" 8"	0.250	2" 4"	1/16	5/16	3/16	
BBBS- 2005 BBBS- 2010	1/ 4NPT	0.432	5" 10"	0.406	2" 4"		7/16	1/ 4	
BBBS- 4006 BBBS- 4012	3/ 8NPT	0.557	6" 12"	0.406	2" 4"	3/32	9/16	5/16	
BBBS- 6008 BBBS- 6016	1/ 2NPT	0.682	8" 16"	0.524	3" 5"		11/16	3/ 8	
BBBS-10012 BBBS-10020	3/ 4NPT	0.932	11 ⁷ /8 19 ⁷ /8	0.531	4" 6"		15/16	9/16	
BBBS-14016 BBBS-14024	1NPT	1.120	15 ⁷ /8 23 ⁷ /8	0.656	5" 8"	1/ 8	1 ¹ / 8	5/ 8	



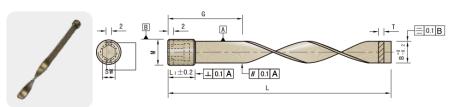




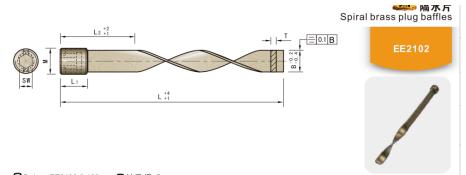
隔水片。 Spiral brass plug baffles



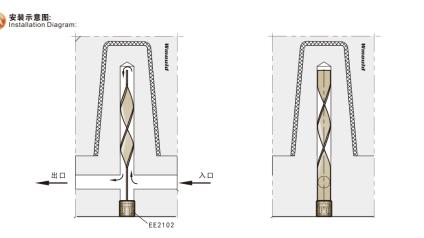
☎Order BBBS-10	0-1/16	█ 材质	i:铜 Coppe	er						
Code	R						安装孔 DH13	Rotations	sw	@¥/P
BBBS-100-1/16 BBBS-200-1/16	1/16"BSPT	51 102	6.2	102 202	8	1.6	Ø6.5	360° 540°	4	
BBBS-100-1/ 8 BBBS-200-1/ 8	1/ 8"BSPT	51 102	8.2	102 202	۰	1.0	Ø8.5	360° 540°	5	
BBBS-125-1/ 4 BBBS-250-1/ 4	1/ 4"BSPT	51 102	11.2	127 252			Ø11.5	360° 540°	6	
BBBS-150-3/ 8 BBBS-300-3/ 8	3/ 8"BSPT	51 102	14.7	152 302	10	2.4	Ø15	360° 540°	8	
BBBS-200-1/ 2 BBBS-400-1/ 2	1/ 2"BSPT	76 127	18.2	203 402			Ø18.5	360° 540°	10	
BBBS-300-3/ 4 BBBS-500-3/ 4	3/ 4"BSPT	102 153	23.2	302 502	40		Ø23.5	360° 540°	12	
BBBS-400-1 BBBS-600-1	1"BSPT	127 203	28.2	402 602	12	3.2	Ø28.5	360° 540°	17	



☎Order BBBS-10	0-M8×0.75	ႍ 材质	i:铜 Coppe	er						
Code						安装孔 DH13	Rotations	sw		@¥/P
BBBS-100-M 8×0.75 BBBS-200-M 8×0.75 BBBS-300-M 8×0.75	50 100 150	5.8	102 202 302	8	1.6	6	360° 540° 720°	4	M 8×0.75	
BBBS-100-M10×1 BBBS-200-M10×1 BBBS-300-M10×1	50 100 150	7.8	102 202 302			8	360° 540° 720°	5	M10×1	
BBBS-125-M12×1.5 BBBS-250-M12×1.5	50 100	9.8	127 252		2.0	10	360° 540°	6	M12×1.5	
BBBS-150-M16×1.5 BBBS-300-M16×1.5	50 100	13.8	152 302	10	2.4	14	360° 540°	8	M16×1.5	
BBBS-150-M20×1.5 BBBS-300-M20×1.5	50 100	17.8	152 302			18	360° 540°	10	M20×1.5	
BBBS-150-M24×2 BBBS-300-M24×2	50 100	19.8	152 302	12	2.5	20	180° 540°	12	M24×2	

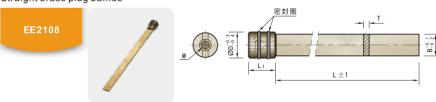


🔼 Order EE2	102-8-100	■材质:铜 C	opper					
Code					L2		sw	@¥/P
EE2102- 8-100 EE2102- 8-200	6	1.6	100 200		50 100	M 8×0.75	4	
EE2102-10-100 EE2102-10-200	8	1.6	100 200	8	50 100	M10×1	5	
EE2102-12-125 EE2102-12-250	10		125 250		50 100	M12×1.5	6	
EE2102-14-150 EE2102-14-300	12		150 300		50 100	M14×1.5	Ü	
EE2102-16-150 EE2102-16-300	14	2.4	150 300	10	50 100	M16×1.5	8	
EE2102-18-180 EE2102-18-300	16		180 300	10	50 100	M18×1.5	Ů	
EE2102-20-150 EE2102-20-300	18		150 300		50 100	M20×1.5	10	
EE2102-24-150 EE2102-24-300	20	3.2	150 300	12	50 100	M24×2	12	
EE2102-1/8-100 EE2102-1/8-200	8.5	1.6	100 200	8	50 100	G1/8"	5	
EE2102-1/4-125 EE2102-1/4-250	11.5		125 250		50 100	G1/4"	7	
EE2102-3/8-150 EE2102-3/8-300	15	2.4	150 300	10	50 100	G3/8"	8	
EE2102-1/2-200 EE2102-1/2-400	18.5		200 400		75 125	G1/2"	10	
EE2102-3/4-300 EE2102-3/4-500	23.5	3.2	300 500	12	100 150	G3/4"	12	

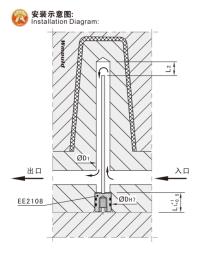


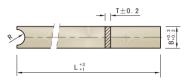






2	Order EE	2108-B-L	M 材质:铜 Cop	per					
				L2					@¥/P
П	6	140		6	8	6		M 3	
	8	180	13	8	10	8		M 5	
	10			10	12	10		M 6	
	12	220		12	14	12		IVI O	
	15	250	16	15	16	15	2	M 8	
	16	200		16	18	16			
	18	300	20	18	20	18		M10	
	20		20	20	22	20		M12	
L	25	390	22	25	26	25		M16	





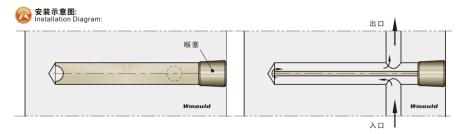


Order	BBFPXR-B-L	. M ᡮ	オ质:铜 Cop	:铜 Copper									
В	R				@ ¥ /P								
В	R		L50	L70	L90	L110	L130	L150	L170	L200			
10	4												
12	7	2											
16		-											
18	5												
20 22													
22	8												
24	0	3											
25 28		J											
30	11												
35													

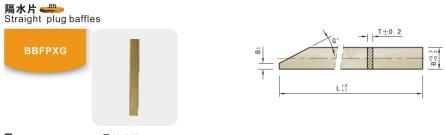


Order E	BBFAPR-B-L M 材质:铝 Aluminum									
В			@¥/P							
В			L50	L70	L90	L110	L130	L150	L170	L200
10	4									
12	-	2								
16		2								
18	5	5								
20										
22										
24	8									
25		3								
28										
30	11									
35										

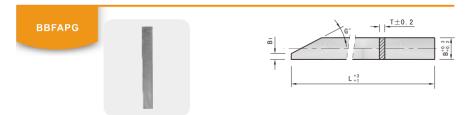
为防止隔水片旋转,建议将隔水片轻轻压入冷却孔内 Suggest straight and spiral brass plug baffles press into cooling series holes to prevent it from revolve .





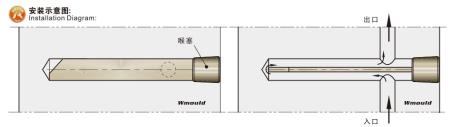


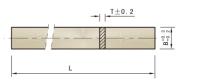
Order	BBFF	XG-B-L	Μ材	质:铜 Copper							
В			G°				@ <u></u>	¥/P			
Ь				L50	L70	L90	L110	L130	L150	L170	L200
10	4										
12	-4	2									
16		-	2 30°								
18	5										
20											
22											
24	8		400								
25		3	40°								
28 30	11										
35	11										
35											



Order	BBFA	NPG-B-L	₩ 材	质:铝 Alum	::铝 Aluminum						
В		T G°		@ ¥ /P							
Ь			L50	L70	L90	L110	L130	L150	L170	L200	
10	4										
12	-	2	2 30°								
16		2 3									
18	5										
20											
22											
24 25	8	3	40°								
28		3	40								
30	11										
35											

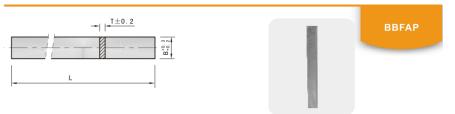
为防止隔水片旋转,建议将隔水片轻轻压入冷却孔内 Suggest straight and spiral brass plug baffles press into cooling series holes to prevent it from revolve .





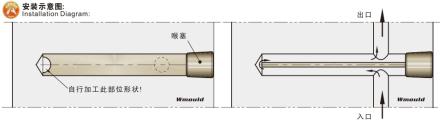


☎ Order BBFP-I	B-L M 材质:	铜 Copper								
В			@ ¥ /P							
В		L50	L70	L90	L110	L130	L150	L170	L200	
6	1.5									
8	1.0									
10										
12	2									
16	2									
18										
20										
22										
24	3									
25	3									
28										
30										
35										



Order BBFAP	'-B-L W 材质:	铝 Alumini	ım							
			@¥/P							
В	'	L50	L70	L90	L110	L130	L150	L170	L200	
6	1.5									
8	1.5									
10										
12	2									
16	-									
18										
20										
22										
24	3									
25	3									
28										
30										
35										

为防止隔水片旋转,建议将隔水片轻轻压入冷却孔内 Suggest straight and spiral brass plug baffles press into cooling series holes to prevent it from revolve .

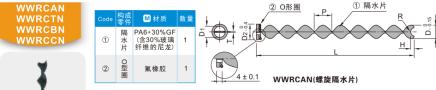




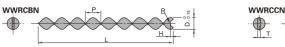
Spiral plastic plug baffles

塑胶螺旋隔水片











A L

L100

L200

■材质: PA6+30%GF(含30%玻璃纤维的尼龙)

25

及Order WWRCAN-D Code D D1 D2 T R H P A WWRCAN 10 10 18 1.5 2.5 2.5 2.6 (陽水片) 12 11 22 2 3 3 3 4.2

☎ Order W	WRCTN-D						
Code		D2	D3		R		@¥/P
0000		J.	50				L
	8	15	6	1.2	4.4		L25
WWRCTN	10	18	8	1.5	4.1		L25
(分流板)	12	22	10	1.6		4.5	L35
(45 m) #i)	16	26	12		6.0		LJD

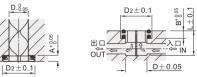
☎ Order WWRCBN-D										
Code					@¥/P L					
WWRCBN	8 10	2 2.5	2 2.5	20	L 96					
(全螺旋型)	12 16	3 4	3 4	25	L196 L296					

☎Order WWRCCN-D										
Code	D		R		Р	@ ¥ /P				
						L.				
	8	1.5	2	2	20					
	10	1.8	2.5	2.5	20	L100				
	12	2	3	3		L200				
WWRCCN	16		4	4						
(全螺旋型)	20	3	-	-	0.E	L100				
,	20		5	5	25	L200 L300				
	05	0.5		0		L100				
	25	3.5	6	0		L200 L300 L400				

螺旋隔水片的特点:

- 冷却水以螺旋状流动,增加和模仁的接触面积, 和传统分隔板冷却比较,其冷却效率提高;
- 2.材质是塑料加玻纤,不生锈,冷却水孔不堵塞;
- 3.使用传统分隔板冷却,冷却孔上下偏位时, 分隔板插入非常困难。螺旋水套具有弹性, 冷却孔有偏位时,组装也没有问题;
- 4.螺旋水套前端形状及长度可以依照实际需要 切断调整;
- 5.拆下螺旋水套时,冷却孔内的水垢可一并去除。

开框尺寸加工示意图(建议值):





Features:

- 1.Cooling water is spiral flowing, increase touch area of mold
- cavity, so cooling effective is heighten than normal separate plate.

 2. Material is made of plastic with solder glass, not rust, cooling water holes not block.
- 3. Apply to normal separate plate cooling, when cooling holes upper and lower deviation, separate plate is difficulty to insert. spiral water sleeve have elasticity, Even cooling holes have deviation, no problem to installing.
- The front shape and length of spiral water sleeve can cut to adjust according to request.
- When take apart spiral water sleeve .Water scale in cooling series can be removed



图5 WWRCBN全螺旋型



图6 WWRCCN全螺旋型



安装示使用说明:

- 安装时螺旋隔水片的分流部分应与冷却孔成 直角方向安装:(参考放大图)
- ·安装WWRCAN螺旋隔水片时,分流部分应与 WWRCTN的分流部份方向一致:(参考D部)
- WWRCIN的分流部份方向一致;(参考D部)・WWRCBN螺旋隔水片与冷却水孔不成直角安装时,会降低冷却效果;
- ·即使按照安装孔加工范例中推荐的尺寸进行安装,有时还会在生漏水;原因有以下几个方面: A:安装板变形
- B:安装板的固定位置与螺旋隔水片之间的距离 过远(导鼓压坚力降低)

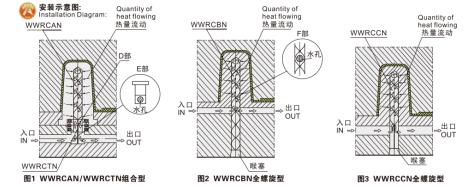
C:O形圈精度不一致

遇到此类情况时,请采用增加固定点数量,在安 装部位的外周用O形圈等进行密封,使安装孔的加 工深度低于推荐值,通过追加工进行调整等方法。

Installation Guidelines:

- Separated parts and cooling holes shall be right angle to installation.
- When install WWRCAN spiral brass plug baffles, Separate parts shall be same direction with separate parts of WWRCTN.
- No right angle to install WWRCBN spiral brass plug baffles and cooling holes, It will be reduce cooling effect.
- Even install according to installed holes size to installed sometimes easy to leak water, The reason as below
 A.Installtion plate become deformed
- B. The distance between fixed position of installation plate and spiral brass plug baffles have a little far.
- · O ring precision not same.

When encounter this situation, please adopt to add fixed point quantity, Use O ring to seal on external side of installed position, Let installed holes processing depth lower than recommended values, By means of further processing to adjustment them.

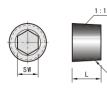


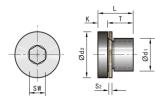
(分割型)



喉塞 型M Pressure plugs







■材质:铜 Copper 表面电镀处理

12

12

1.5

1.5

ZZ941-10×1 ZZ941-12×1.5 ZZ941-14×1.5

ZZ941-R1/8

ZZ941-R1/4

ZZ941-R3/8

ZZ941-R1/2



M10×1 M12×1.5

M14×1.5

G1/8A

G1/4A

G3/8A

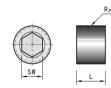
14 17

22

Pressure plugs

❷₩ 喉塞

Corder ZZ94-R1/8	M 材质:铜 Copper 表	長面电镀处理		
Code			sw	@¥/P
ZZ94- 5×0.5	M 5×0.5	5	3	
ZZ94- 7×1	M 7×1		Ů	
ZZ94- 8×0.75	M 8×0.75		4	
ZZ94- 9×1	M 9×1	8	5	
ZZ94-10×1	M10×1	0	5	
ZZ94-11×1	M11×1			
ZZ94-12×1.5	M12×1.5		6	
ZZ94-14×1.5	M14×1.5	10	7	
ZZ94-R1/8	R1/8A	8	5	
ZZ94-R1/4	R1/4A		7	
ZZ94-R3/8	R3/8A	10	8	



	Rp
SW	

	L1 L
Ød1-0.03	1.4105



Crder ZZ940-R1/8	M 材质:铜 Copper ₹	長面电镀处理		
Code			sw	@¥/P
ZZ940- 7×1	M 7×1		3	
ZZ940- 8×0.75	M 8×0.75		4	
ZZ940- 9×1	M 9×1	8	5	
ZZ940-10×1	M10×1	8	3	
ZZ940-11×1	M11×1		6	
ZZ940-12×1.5	M12×1.5		Ü	
ZZ940-14×1.5	M14×1.5	10	7	
ZZ940-R1/8	G1/8A	8	5	
ZZ940-R1/4	G1/4A		7	
ZZ940-R3/8	G3/8A	10	8	
ZZ940-R1/2	G1/2A		10	

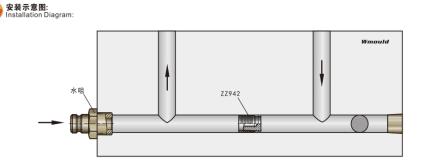
Order ZZ942-6	■ 材质:铜 Cop	pper 表面电镀处理			
Code					@¥/P
ZZ942- 6	11.5		M3	6	
ZZ942- 8	11.5	•	M4	8	
ZZ942-10	14	10	M6	10	
ZZ942-12	14	10	IVIO	12	
ZZ942-15	16	12	M8	15	
ZZ942-16	10	12	IVIO	16	

11

15

11

15















	■材质:黄铜 Brass			
Code			SW	@¥/P
BBP- 10	1/8NPT	0.250	3/16	
BBP- 20	1/4NPT	0.406	1/ 4	
BBP- 40	3/8NPT	0.406	5/16	
BBP- 60	1/2NPT	0.531	3/ 8	
BBP-100	3/4NPT	0.551	9/16	
BBP-140	1NPT	0.656	5/ 8	

AAN

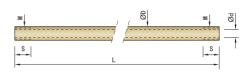






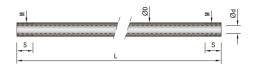
	■材质:黄铜 Brass	3	· ·	·
Code			sw	@¥/P
AAN- 8	1/8"BSPT	8	5	
AAN- 4	1/4"BSPT	10	7	
AAN- 3	3/8"BSPT	10	8	
AAN-10	M10×1	8	5	
AAN- 2	1/2"BSPT	10	10	



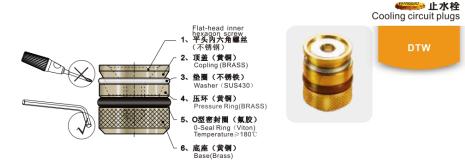


Order	BBTC-D-L	■材质	质:黄铜 Bras	SS			2	主: TPC为 i	两端无牙型	型运水管
				M			@ ¥	/S		
u			BBTC	BBTCM	TPC	L100	L200	L300	L400	L500
1.5	3	6	No. 5-44	M 3×0.35	/					
3	5	0	No.10-32	M 5×0.5	/					
4	6	8	1/ 4-28	M 6×0.75	/					
6	8	10	5/16-24	M 8×0.75	/					
8	12	12	7/16-20	M12×1.0	/					





3	Order Bl	BTS-D-L	■ 材质	f:不锈钢 St	ainless stee	l		ž	主: TPC为i	两端无牙型	型运水管
					M			@ ¥	/S		
				BBTS	BBTSM	TPS	L100	L200	L300	L400	L500
	1.5	3		No. 5-44	-	/					
	3	5	0	No.10-32	M 5×0.5	/					
	4	6	8	1/ 4-28	M 6×0.75	/					
	6	8	10	5/16-24	M 8×0.75	/					
	8	12	12	7/16-20	M12×1.0	1					



产品特点:

- 1.在塑料模具或任何水道冷却或加温系统中,作填塞的功能,依照所需的流向配合;
- 2.安装方便,可在冷却孔的任意位置进行安装。

Features:

- 1. This plug function used in plastic mould, any water channel cooling, heating system, Rely on requisite flow direction to match.
- 2. Easy to installation, Any position of cooling holes can install them.

Code	外径(Ø)+0-0.1	长度(mm)	内六角尺寸(mm)	内六角型号	扭力(kgf/cm)	@¥/P
DTW-06	6		2	M2.5	12-13	
DTW-08	8		2.5	M3	21-22	
DTW-09	9	11				
DTW-10	10		3	M4	34-35	
DTW-12	12					

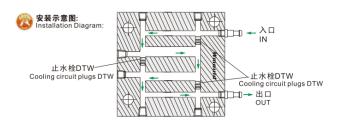
(6

安装使用说明:

- ・水路孔径公差按正0.1mm加工;例如:外径Ø6止水栓,其模具钻孔应为6.1mm
- · 拧松螺丝, 用六角扳手顶住螺丝后塞入孔中, 然后用六角扳手拧紧, 使O型密封圈膨胀变形将冷却孔堵住;
- · 止水栓在水中, 如果没有定位好, 可先拧松螺丝, 然后用空气枪吹出再重新定位。

Installation Guidelines:

- Water channel holes diameter tolerance according to +0.1mm to processing, for example: Out diameter Ø6 cooling circuit plugs, mould drill shall be 6.1mm
- Screw off this screw, After use hex wrench stand up to screw, stuffing in holes, then use hex wrench to tighten, make O ring seal dilatancy to block up cooling holes.
- Cooling circuit plugs in water, If can't better fixed, Please screw off this screw, then use air gun pull away to fixed position again.



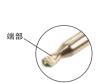


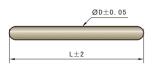
冷却棒

冷却棒 Wmould Heat pipes

нтк







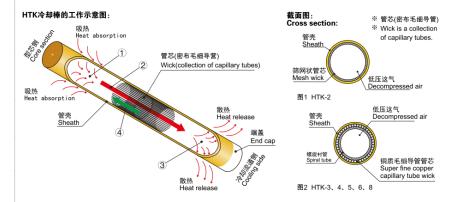
Ճ Order H1	K-D-L	
Code		L40-300
	2 3	
HTK	4 5	
	6	
	8	

产品特点:

- 1.冷却效果快。HTK冷却棒不是仅通过金属导热量,而是将制冷剂作为热交换媒介来使用。热传导性是铜棒的200倍, 并且具有优良的热响应性。
- 2.稳定的冷却效果。与以往的方法(使用隔水片和冷却管)不同,HTK很少会因生锈、水垢等原因使水流减小而导致冷却效率下降,也不用担心制冷剂会沸腾,减少了大量的维修保养工作;
- 3.能减少冷却水路的需求,降低水路的复杂度,减小模具体积;
- 4.无需螺丝固定,安装更为方便。

Features:

- 1. Good cooling effective, HTK heat pipes not used in metal heat conductivity, but by mean of refrigerant sheat transfer media to use it. Heat conductivity is 200 times than brass pipes, also with better thermal response.
- Stable cooling effective, It is different from previous method, HTK few time get rusty, incrustant ect, thereby decrease water flow make heat pipes reduce effective.
- 3.Reduce the cooling water circuits, simplification of the cooling water circuit, and reduce the volume of mold
- 4. Fasting installation, no screw for fixing.



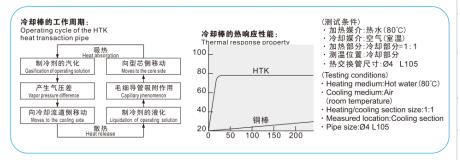
HTK冷却棒的工作原理:

- ①制冷剂吸收型芯侧的热量而挥发;
- ②挥发的制冷剂因气压差而向冷却流道侧移动;

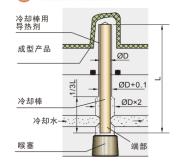
- ③移至冷却流道侧的制冷剂释放热量并液化;
- ④液态制冷剂因管芯毛细导管的吸力作用而返回 型芯侧。

Heat pipes Exploded View of the HTK Heat Transaction Pipe:

- 1) The operating solution absorbs the core side heat and gasifies;
- ②Vapor pressure difference causes the gasified operating solution to move to the cooling side;
- 3 Moved to the cooling side, the gasified solution releases heat and liquidates;
- The wick's capillarity causes the operating solution to return to the core side.



Code D L35 L40 L45 L50 L55 L60 L65 L75 L85 L105 L125 L145 HTK 4



1. 请在200°C 以下使用, (破坏温度为250°C) HTK的

耐久性设计为内部压力20kgf/cm2以下;

(例在200°C时内部压力上升至16kgf/cm2)

2. 若冷却面积小,有时不能获得设计的冷却效果。

4. 如果热交换管被弯曲或压扁其冷却效果将下降;

使用注意事项:

3. 请不要擅自拆卸和切断;

5. 不适用于油冷却。

安装使用说明:

- · 冷却棒安装孔要比冷却棒大0.1mm;
- 冷却棒装入时,请用冷却棒专用导热剂将多的空间填满;
- 插入冷却棒时请注意端部应在冷却侧;
- 使用温度: 30-200°C:
- 请参考安装示意图加工安装孔。

Installation Guidelines:

- · Installed holes shall be bigger 0.1mm than heat pipe .
- Please use special heat transfer agent fill to the full space when install heat pipe.
- Insert heat pipe, end position shall be on side of heat pipe.
- · Usage temperature :30°C-200°C
- Please refer to installation instructions to processing installed holes.

Notes

- 1.Installed holes shall be bigger 0.1mm than heat pipe. Use under a temperature of 200° C or lower. (Burst temperature 250° C> It is designed to withstand an internal pressure up to 20kgf/cm² (For example, the internal pressure rises to 16kgf/cm² at 200° C>.
- 2.If the cooling section area is insufficient, proper cooling effects may not be obtained. Provide a water cooling jacket referring to mounting method, and secure the cooling section area.
- 安装加工的建议方法设置冷却穴,确保冷却面积; 3.Do not cut or disassemble.
 - Bending or squashing the heat transaction pipe hampers its cooling function.
 - 5.Do not use oil for cooling



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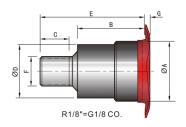
RRPL



使用介质 Medium	工作压力 Max(bar)	使用温度 Max(°C)
水 Water	10	90

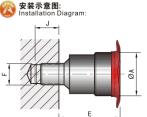
1.直通式外螺纹预涂特氟龙插座 Straight through type external thread will coated teflon jack

Products code add R,It is mean with red ring



TOrder RRPL 06.1150

Code	螺纹 Thread F	ØA			ØD			内六角扳手 Allen key	无色环的产品编号 Part-NO. without colour ring	@¥/P
	R1/8		18.5	7.5					RRPL 06.1150	
RRPL 06	NPT1/8	17	10.5	7	14	28.5			RRPL 06.1250	
KKFL 00	R1/4	17	15.5	11				6	RRPL 06.1151	
	NPT1/4		-	- 11	-	29.5			RRPL 06.1251	
	R1/8		22	8		32			RRPL 08.1150	
	NPT1/8		22	7	17.5	32	1.5	1/ 4"	RRPL 08.1250	
RRPL 08	R1/4	21	21	10	17.5	33		8	RRPL 08.1151	
RRPL 08	NPT1/4	21	21					5/16"	RRPL 08.1251	
	R3/8		11			24		8	RRPL 08.1152	
	NPT3/8		- 11	11		24		5/16"	RRPL 08.1252	
	R3/8					41		10	RRPL 12.1152	
	NPT3/8		28		25	41		3/ 8"	RRPL 12.1252	
RRPL 12	R1/2	32	20	14	20	44	2	14	RRPL 12.1153	
	NPT1/2			14		44	2	9/16"	RRPL 12.1253	
	R3/4		13	16.5		32		1.4	RRPL 12.1154	
	NPT3/4		13	14		02		9/16"	RRPL 12.1254	





C0.3 模具口边缘倒角 C0.3 图2(全埋式 All-buried type)

图1(微突式	Micro convex type)
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Code	螺纹 Thread F				ØF min.			内六角扳手 Allen key	无色环的产品编号 Recommended tightening t orque(Nm)
	G1/8		20	10		20.5	29.5	6	15
RRPL 06	NPT1/8	17	22	10	18.5	22.5	31.5	1/ 4"	15
KKPL 00	G1/4	17	18	13	10.0	18.5	30.5	6	30
	NPT1/4		20	13.5		20.5	33	1/ 4"	30
	G1/8		23	10		24	33	6	15
	NPT1/8		25.5	10		25.5	35	1/ 4"	15
RRPL 08	G1/4	21	22	12	22.5	23	34	8	
KKPL 08	NPT1/4	21	24	12	22.5	23.5	35.5	5/16"	30
	G3/8		12			13	25	8	30
	NPT3/8		14	13		14	27	5/16"	
	G3/8		29	13		30	42	10	
	NPT3/8		33			33	46	3/ 8"	
RRPL 12	G1/2	32	30	33.5	31	45	14	50	
	NPT1/2		35	15	15	34.5	51	9/16"	
	G3/4		15	18		20	36	14	
	NPT3/4		17.5	10		17.5	36.5	9/16"	

ØA

使用介质 Medium	工作压力 Max(bar)	使用温度 Max(°C)
水 Water	10	90

2.直通式公制外螺纹插座 2.Straight through type external thread jack

带有蓝色环,在产品编号后加/B带有红色环,在产品编号后加/R

Products code add B,It is mean with blue ring
Products code add R,It is mean with red ring

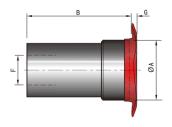






SOrder RRPL 06.1410

Code	螺纹 Thread F	ØA			ØD			内六角扳手 Allen key	无色环的产品编号 Part-NO. without colour ring	@¥/P
RRPL 06	M10×1	17	18.5		14	28.5			RRPL 06.1410	
	WITUXT		22				1.5	6	RRPL 08.1410	
RRPL 08	M10×1.5	21	22	0		32	1.5		RRPL 08.1411	
	M14×1.5		21		17.5			8	RRPL 08.1414	



使用介质 工作压力 使用温	
Medium Max(bar) Max(
7k Water 10 90	,

3.直通式内螺纹插座 3.Straight through type internal thread jack

带有蓝色环,在产品编号后加/B带有红色环,在产品编号后加/R

Products code add B, It is mean with Products code add R,It is mean with red ring



SOrder RRPL 08.1100

Code	螺纹 Thread F	ØA			内六角扳手 Allen key	无色环的产品编号 Part-NO. without colour ring	@¥/P
	G1/8		22		6	RRPL 08.1100	
RRPL 08	NPT1/8	21	22	1.5	1/ 4"	RRPL 08.1200	
KKPL 08	G1/4	21			8	RRPL 08.1101	
	NPT1/4		39		5/16"	RRPL 08.1201	
RRPL 12	G3/8	32			12	RRPL 12.1102	
RRPL 12	G1/2	32	50		12	RRPL 12.1103	





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使用介质	工作压力	使用温度
Medium	Max(bar)	Max(°C)
水 Water	10	90

4.直通式外螺纹插座 4.Straight through type external thread jack

blue ring Products code add R,It is mean with



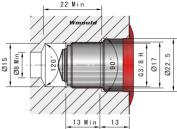


SRPL 08-ON插座安装工具 SRPL 08-ON Jack installed tool

☎Order RRPL 08.1152-ON-JV

Cidei itit	L 00.1102-0	14-0 0						
Code	螺纹 Thread F	ØA	В	С	Е	G	无色环的产品编号 Part-NO. without colour ring	@¥/P
DDDI 00	D2/0	21	11	16	20	1.6	DDDI 00 1152-ON-IV	

安装示意图: Installation Diagram:





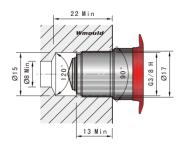
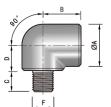
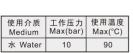


图2(微突式 Micro convex type)

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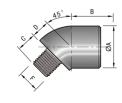


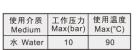


RRPL

☎Order RRPL 08.1150-RE

Code	螺纹 Thread F	ØA	В	С	ØD	对边距 H/flat	产品编号 Part-NO.	@¥/P
	R1/8			10			RRPL 08.1150-RE	
RRPL 08	R1/4	20	20	12	40	40	RRPL 08.1151-RE	
KKPL 08	NPT1/4	22	22	14	13	19	RRPL 08.1251-RE	
	R3/8			13			RRPL 08.1152-RE	

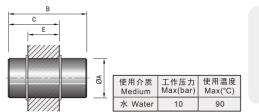






TOrder RRPL 08.1150-RO

Code	螺纹 Thread F	ØA	В	С	ØD	对边距 H/flat	产品编号 Part-NO.	@¥/P
	R1/8			10	6.5		RRPL 08.1150-RO	
RRPL 08	R1/4	22	18.5	40	4.5	19	RRPL 08.1151-RO	
	R3/8			12	4.5		RRPL 08.1152-RO	





Order	RRPL 08.2000	

Code	ØA				产品编号 Part-NO.	@¥/P
RRPL 08	22	35	23	10 max.	RRPL 08.2000	



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RRPL



				Z Z
使用介质 Medium	工作压力 Max(bar)	使用温度 Max(°C)	, IEI	_
水 Water	10	90	I F I G	
			 ' '	

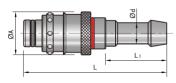


Code	螺纹 Thread F						产品编号 Part-NO.	@¥/P
RRPL 08	G1/4	22	22	21	6.5 max.	10	RRPL 08.2101-RE	



使用介质	工作压力	使用温度
Medium	Max(bar)	Max(°C)
水 Water	10	90

带有蓝色环,在产品编号后加/B 带有红色环,在产品编号后加/R Products code add B,It is mean with blue ring Products code add R,It is mean with red ring



TOrder RRPL 06.6808

Code					带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 06	Ø 8	17	55	23	RRPL 06.6808	
	Ø 6				RRPL 08.6806	
RRPL 08	Ø 8	20	66	28	RRPL 08.6808	
RRPL 00	Ø10	20	66	20	RRPL 08.6810	
	Ø12.5				RRPL 08.6812	
RRPL 12	Ø13	28	78	33	RRPL 12.6813	
RRPL 12	Ø16	20	76	33	RRPL 12.6816	



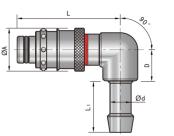
使用介质	工作压力	使用温度	
Medium	Max(bar)	Max(°C)	
水 Water	10	90	

blue ring Products code add R,It is mean with

			<u> </u>
使用介质 Medium	工作压力 Max(bar)	使用温度 Max(°C)	
水 Water	10	90	
roducts code ue ring	在产品编号 在产品编号 add B,lt is n	nean with	

TOTAL STREET OF CONTROL OF CONTR

Code	d	А	L	L1	J	带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	3/8"	20	62	24.5	19.5	RRPL 06.6808-CN	
KKPL 00	1/2"	20	69	29	23.5	RRPL 08.6806-CN	
DDDI 40	1/2	28	74	29	23.5	RRPL 08.6808-CN	
RRPL 12 5/8"	5/8"	20	81.5	36.5	27	RRPL 08.6810-CN	



	使用介质 Medium	工作压力 Max(bar)	使用温度 Max(°C)
ı	ッk Water	10	90

带有蓝色环,在产品编号后加/B带有红色环,在产品编号后加/R Products code add B,It is mean with

blue ring Products code add R,It is mean with red ring

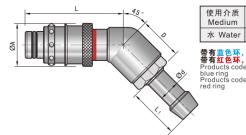
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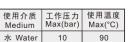




TOrder RRPL 08.6806-RE

Code	d	A	L	L1	D	带黑色环插头编号 Part-NO. with a black ring	@¥/P	
	Ø 6			28	23.5	RRPL 08.6806-RE		
RRPL 08	Ø 8	20	49	22	23.5	RRPL 08.6808-RE		
KKPL 00	Ø10	20	20	49	23	23	RRPL 08.6810-RE	
	Ø12.5			28	10	RRPL 08.6812-RE		
RRPL 12	Ø13	28	76	33	27	RRPL 12.6813-RE		
RRPL 12	Ø16	20	76	33	33 21	RRPL 12.6816-RE		

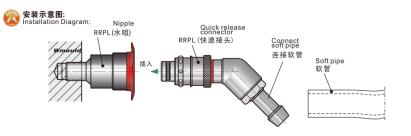




带有蓝色环,在产品编号后加/B带有红色环,在产品编号后加/R Products code add B, It is mean with blue ring Products code add R,It is mean with



带黑色环插头编号 Part-NO with a black rin RRPL 08.6806-RO RRPL 08.6808-RO RRPL 08.6810-RO Ø6 28 Ø8 RRPL 08 20 43 23 Ø10 RRPL 08.6812-RO Ø12.5 28 Ø13 RRPL 12 72 33 28 RRPL 12.6816-RO



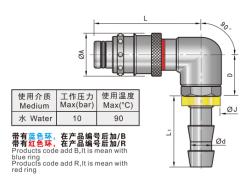


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RRPL

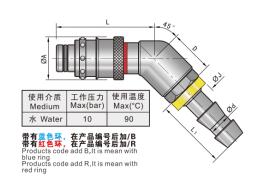




SOrder RRPL 08.6810-CN-RE

Code	d	ØA	L		D	J	带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	3/8"	20	48.5	24.5	23.5	19.5	RRPL 08.6810-CN-RE	
RRPL 00	1/2"	20	40.5	29	25.5	23.5	RRPL 08.6813-CN-RE	
RRPL 12	1/2	28	75.5	29	30.5	23.5	RRPL 12.6813-CN-RE	
RRPL 12	5/8"	20	75.5	36.5	30	27	RRPI 12 6816-CN-RF	

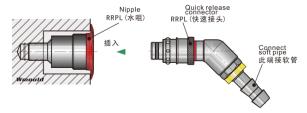


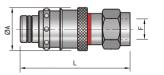


Corder RRPL 08.6810-CN-RO

Code		ØA					带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	3/8"	20	43	24.5	21	19.5	RRPL 08.6810-CN-RO	
KKPL 00	1/2"	20	43	29	23	23.5	RRPL 08.6813-CN-RO	
RRPL 12	1/2	28	72	29	27.5	23.3	RRPL 12.6813-CN-RO	
RRPL 12	5/8"	20	12	36.5	27	27	RRPL 12.6816-CN-RO	







使用介质	工作压力	使用温度
Medium	Max(bar)	Max(°C)
水 Water	10	90

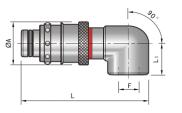
带有蓝色环,在产品编号后加/B 带有红色环,在产品编号后加/R Products code add B, It is mean with blue ring Products code add R, It is mean with red ring





☎Order RRPL 08.6101

Code	螺纹 Thread F	ØA		带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	G1/4	20	40.5	RRPL 08.6101	
	NPT1/4		48.5	RRPL 08.6201	
RRPL 12	G1/2	28	61	RRPL 12.6103	
RRPL 12	NPT1/2	28	63	RRPI 12 6203	



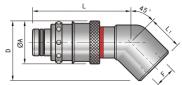
使用介质	工作压力	使用温度
Medium	Max(bar)	Max(°C)
水 Water	10	90

带有蓝色环,在产品编号后加/B带有红色环,在产品编号后加/R Products code add B,lt is mean with blue ring Products code add R,lt is mean with red ring



TOrder RRPL 08.6101-RE

Code	螺纹 Thread F	ØA				带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	G1/4	20	48.5	16.5	31	RRPL 08.6101-RE	
KKPL 06	NPT1/4	20	60.5	15	38.9	RRPL 08.6201-RE	
RRPL 12	G3/8	28	75.5	20	52.9	RRPL 12.6102-RE	
RRPL 12	NPT3/8	28	75.5	20	52.9	RRPL 12.6202-RE	



使用介质	工作压力	使用温度
Medium	Max(bar)	Max(°C)
水 Water	10	

带有蓝色环,在产品编号后加/B 带有红色环,在产品编号后加/R Products code add B,It is mean with blue ring Products code add R,It is mean with



Order	RRPL	08.610	1-RC
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Code	螺纹 Thread F	ØA				带黑色环插头编号 Part-NO. with a black ring	@¥/P
RRPL 08	G1/4 NPT1/4	20	43 57.5	14 14.5	27.5 28.5	RRPL 08.6101-RO RRPL 08.6201-RO	
RRPL 12	G3/8 NPT3/8	28	72	17	33	RRPL 12.6102-RO RRPL 12.6202-RO	



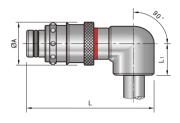
法式水咀 🔐 French nipples



使用介质 Medium	水 Water
工作压力 Max(bar)	10
使用温度 Max(°C)	90



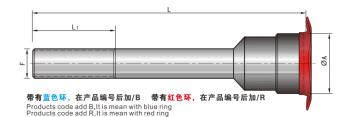




TOrder RRPL 08.6000-RE

Code	ØA			带黑色环插头编号 Part-NO. with a black ring	@¥/P
90° plug RRPL 08	20	59	17	RRPL 08.6000-RE	
Tube		Tube supply length=1m		RR113 910 00	

使用介质 Medium	水 Water
工作压力 Max(bar)	10
使用温度 Max(°C)	90

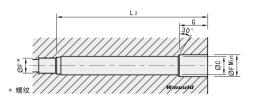


Torder RRPL 08.1010-50-RF

螺纹 Thread	L min./max.	L1 Threaded	L2		H / flats	Tightening torque N m
	34/ 50	26				
G1/8	50/100	60	L-5.5		6	10
	100/150	60				
	38.5/50	26.5		23		
	55/100		L-7.5		8	30
G1/4	105/150	60	L-7.5		0	30
	155/200					

Code	Øa	øс	ØF min.	无色环的产品编号 Part-NO. without collar	@¥/P
		11		RRPL 08.1010- 50-RF RRPL 08.1010-100-RF RRPL 08.1010-150-RF	
RRPL 08	21	14	22.5	RRPL 08.1011- 50-RF RRPL 08.1011-100-RF RRPL 08.1011-150-RF RRPL 08.1011-200-RF	





带有蓝色环,在产品编号后加/B 带有红色环,在产品编号后加/R

Products code add B, It is mean with blue ring Products code add R, It is mean with red ring

法式水咀 French nipples

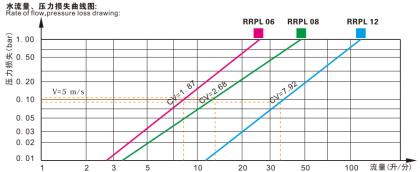


使用介质 Medium	水 Water
工作压力 Max(bar)	10
使用温度 Max(°C)	90

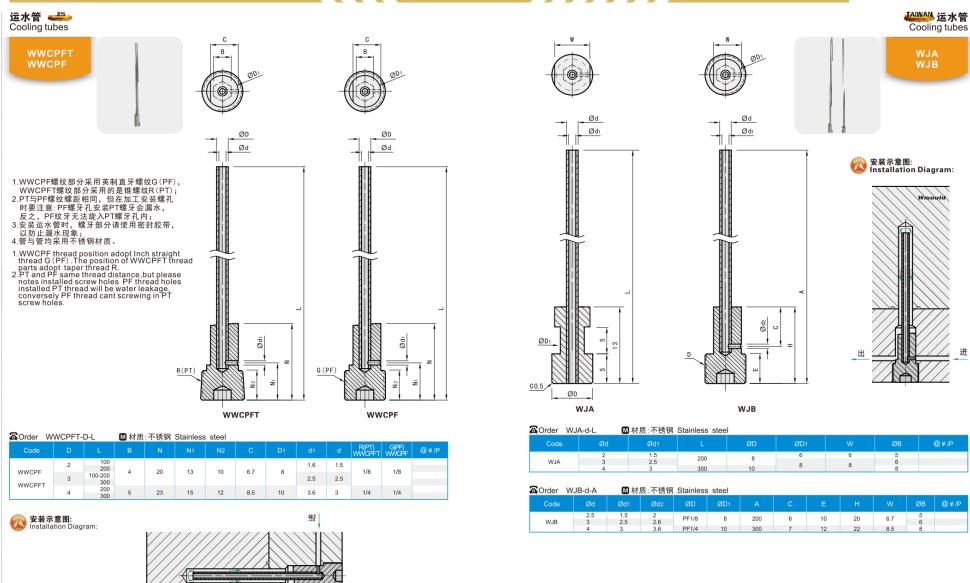
Corder RRPL 06.1010-100-R

ØA	ØB	ØС	ØF min.		H / flats	Tightening torque N m
17			18.5	20		
21	10.2	11	22.5	23	6	10
21	13.5	14	22.3	20	8	30
32	17.2	18	33.5	43	11	
32	21.3	22	33.5	45		50

Code	Thread to be cut	L min./max.	L2	无色环的产品编号 Part-NO. without collar	@ ¥ /P
RRPL 06		33/100		RRPL 06.1010-100-R	
		33/100		RRPL 08.1010-100-R	
	R1/8 or NPT1/8	100/150	L- 5.5	RRPL 08.1010-150-R	
		150/200		RRPL 08.1010-200-R	
RRPL 08		200/250		RRPL 08.1010-250-R	
	R1/4 or NPT1/4	34/100	L- 7.5	RRPL 08.1011-100-R	
		100/150		RRPL 08.1011-150-R	
		150/200		RRPL 08.1011-200-R	
		200/250		RRPL 08.1011-250-R	
		56/150		RRPL 12.1002-150-R	
RRPL 12	R3/8 or NPT3/8	150/200	L- 8.5	RRPL 12.1002-200-R	
		200/250		RRPL 12.1002-250-R	
RRPL 12		59/150		RRPL 12.1003-150-R	
	R1/2 or NPT1/2	150/200	L-11.5	RRPL 12.1003-200-R	
		200/250		RRPL 12.1003-250-R	





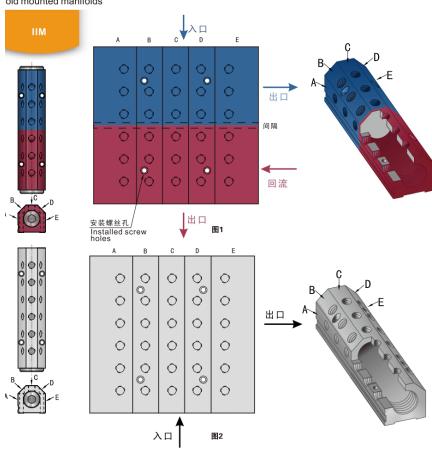




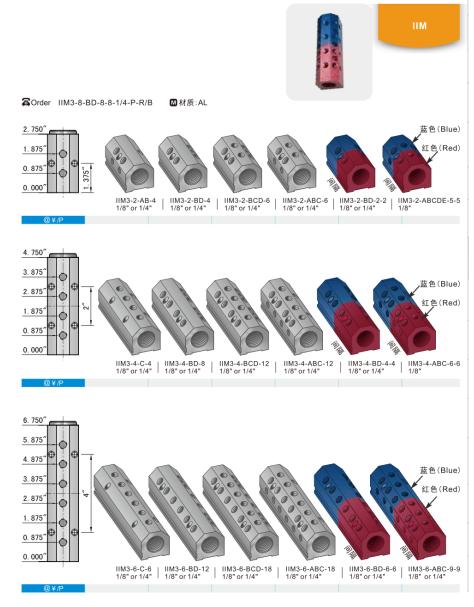
Mold mounted manifolds

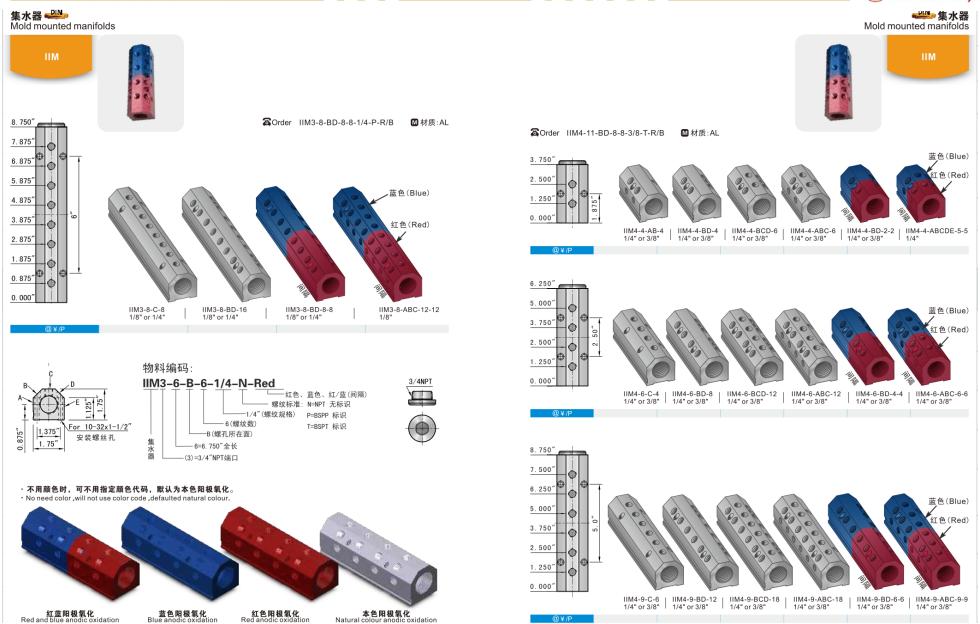
集水器

水器 ^{DM} old mounted manifolds



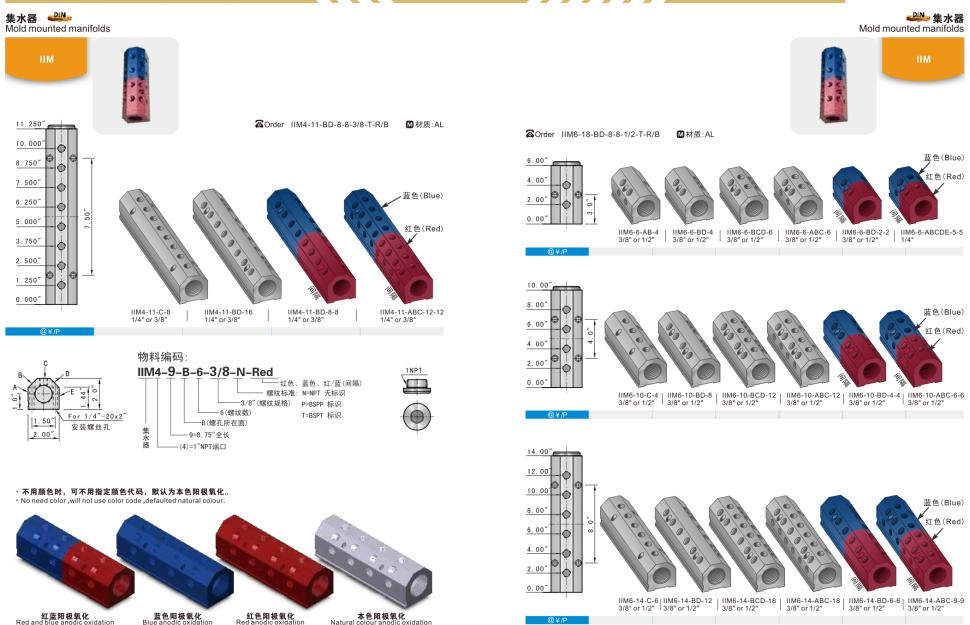
- 1.直线多支管集水器,使模具的水路线管更容易设计、安装方便;
- 2.多种牙的联接位,使用范围更广;且牙可根据用户要求加工;
- 3.外表面有发蓝、发红处理,在使用过程中更容易区分;
- This Inline manifold, reduce chance of hookup errors, simplification of the cooling water circuit design, fast mounting.
- 2. Available for various hookup threads, wide application, custom threads are available.
- 3. Hoses and manifolds are color coded (red for hot out and blue for cold in for easy identification.

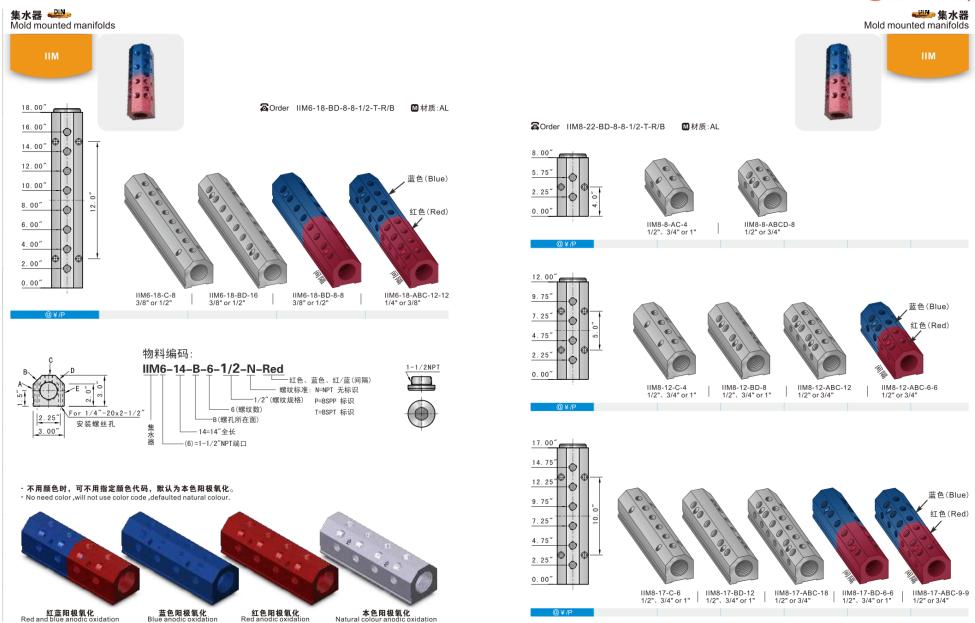




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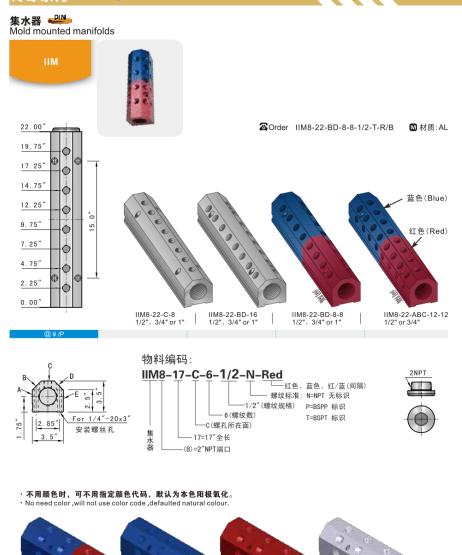


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红蓝阳极氧化 Red and blue anodic ox 蓝色阳极氧化

红色阳极氧化







外壳插入安装

- 1.钻孔(钻头的直径要对应插头的标志)例如:插头是TR-8,应该是用钻头Ø8.见图1;钻孔直径可以增大0.2-0.3mm;
- 2.用合适的扩孔钻来操作,见图2;
- 执行第二图, 孔应该用一个合适的钻孔+0.5;

7///////

- 例如:孔径 Ø8 必须变到 Ø8.5;
- N.B: 操作时切割速度是根据钢板的类型来更改, 也等同于那个用不锈钢铰刀来操作;
- 3.用合适的工具加工沟槽(根据钢铁的类型和孔的直径,建议使用速度400/600 rpm),见图3。

对于正确使用以上所提到的工具的建议

- a.操作前,放一滴润滑油在扩孔钻(见图2)上,用来加大工具周边的润滑;
- b.工具垂直下降时一定要慢, (就像中心钻在使用似的), 并且考虑这种工具只在最后的几毫米下降;
- c.当工具上的两个由弹簧(可见图)隔开的部件相互接触,这个操作完成.现在无论在工具上加大压力或者停在某个位置上超过几秒都是不可取(这就避免了摩擦而发热);
- d.以上都是所提的建议,提及到应用在工具上的压力,都显示在工人操作钻孔或者在铣工时,只有当提供可变的夹头 (钻头的类型)才有对压力的敏感性;
- 如果在有固定头部的机器或者在加工的机器中心按照以上所提供的进行操作,那就更需要使用带有压力补偿的工具 (具体按要求来提供)。

加工材料

可以运行在钢硬度最高达 40-42HRC,同时要注意把速度降低至于线程,在这种情况下,在对部件进行热处理前需要 先开槽。

进行速度

进度也可以快进到2mm左右的最后一部分,然后要把速度降低,我们建议在0.05毫米/转的速度。

本色阳极氧化

Natural co

产品专利 PATENT CERTIFICATE



专利号: ZL 2019 2 1817588.4



型号: VF-...-SS P479

产品特点:

- 斜顶顶出装置安装方便,结构简单且功能强大,可以在规定的使用角度范围内的任意角度使用。
- 最大的特点是可以进行单列、并列、复列、直列等多种组 合应用以满足多种模具的需求
- 采用了新颖的结构设计,巧妙的运用了材料本身的彈性達 到方便成形模具結構簡單節省制模時間脫模時間相對齒輪 輸出至少快倍以上从而大大節省模具注塑時間。一种內置 机构。
- ●包括有1套,2伸缩芯,3伸缩棒组成。

成型自动化 Molding Automation

创造"为"理念实现自动化



WYHB ECO CO.,LTD



选择成型自动化的理由

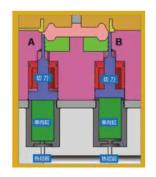




企业竞争力在哪里?

让成型自动化来帮您解决这些问题!





成型自动化生产的优势:

成型自动化就是在塑胶模具未开模前,剪切或挤断浇口,从而在塑胶模具开模后,实现件料分离的模具注塑自动化技术。成型自动化技术的应用适用于前后膜搭底浇口,侧进胶浇口,潜顶针进胶浇口,牛角进胶浇口,盘形浇口等各种形式的进胶浇口;另外,该技术还能实现模内成形,如:注胶后开模前出孔、局部变薄变厚等,以及滑块抽芯驱动,从而简化模具结构,减小模具结构尺寸。该技术能够达到精简人力,稳定提高品质,降低整体运营成本的目标,为塑胶模具企业带来利润。





节约成本=利润

去除方式	资金投入(RMB)			投入对比		
	设备投入	治具投入	人力投入 (1台设备/月)	一次性投入	持续性投入	优劣对比
人工去除	0	0	0.6万	0	0. 6万	人工作业不良率高, 人工成本 高, 效率低
治具去除	0	2万	0.5万	0	2.5万	需人员辅助, 每款产品都要做 治具, 易损伤产品, 切除效果 欠佳
CNC去除	25万	0.5万	0.6万	25万	1.1万	投入性大,须技术人员操作, 人工成本高不良率有所降低
激光去除	12万	0.5万	0.5万	12万	1. 1万	投入性大,须专人操作,须持 续投入人工成本欠佳
机械手去除	5万	2万	0.2万	7万	2.2万	相当于冷切,要做相对应的夹治 具,易产生发白裂纹等不良现象
超声波去除	2万	0.5万	0.5万	2.5万	1万	只适用于很小的塑胶件 水口去除,需做超声波模具
成型自动化	约5万	0	0	约5万	0	一次投入,持续收益,不良率 低,无人工成本,工作效率高

收益报告分享:按使用5年为例:

5年直观节省成本:21.4万元



旧传统工艺:人工去除

5年成本投入: 薪酬:27万元

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(普工4500元/月* 12 个月*5年)

需持续投入,方能持续收益

新工艺:模内自动去除

5年成本投入: 解决方案设备:5.6万 (控制器5万/台,其它约0.6万) 属固定资产可供其它模具使用 完全取代人工剪水口

无需再投入,持续收益



 前期导入阶段,我们会介入客户全程指导,从设计,加工,组装,试模,问题分析,处理等 一系列操作无偿得做技术转移,完全交给客户。

新模导入:

 客户导入意向
 模具设计检讨
 生产 系统安 试模培 系统 计检讨 加工 装调试 训调试 验收

旧模导入:

温馨提示

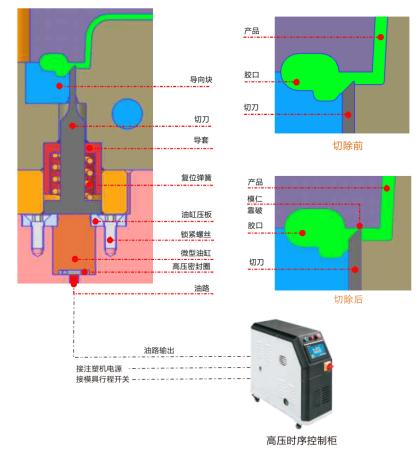
- 1、为确保系统方案的顺利制定及实施,需提供以下相关资料;
- 完整的模具3D图纸,必须包含顶针排位图、运水分布图、A/B板及模仁图;
- 是否为透明件,产品是属于外观件还是内部结构件等;
- 動后模运水方式(热油还是常温水或是冻水);模具将会达到的温度值;
- 如果模具的特殊动作,也请特别说明;
- ▶ 请提供注塑成型参数,以便设计模切方案中有针对性。
- 所提供的3D 图档应确保是模具现时的实际状态,因为我司设计的方案是基于客供图档 来设计的,如出现模具实际数据与所提供3D有所不同,而造成的损失,将由贵司负责;

Wmould

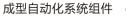
成型自动化系统工作原理

- 产品射胶-保压期间,高压时序控制柜提供超高压油路推动微型缸活塞;
- 微型缸活塞推动切刀顶出分离产品与水口
- 依产品及模具结构不同,高压时序控制柜上的时间可以调整,最终达成最佳效果。

工作原理图









高压时序控制柜

- 采用功能模组化设计和制造维护更方便;
- 輸出压力可达700-1200KG/F而且輸出压力更平稳, 反应时间更快;
- 触摸式输入设计,操作更方便,更直观。
- 单时序控制器/双时序控制器两种类型可选。



为方便不同客户的需求,我司经过多年的潜心研究和试验,开发出三款时序控制器供客户选择:

切刀

微型缸

机型	设备应用特点介绍				
气压驱动控制器	1. 重量轻、占地面积小、方便移动; 2. 经济实惠、保养相对简单。 3. 反应速度较快(1.5秒),输出压力可达400600KG能满足一般模切需求 4. 需要求输入气源要稳定 避免造成输出时出现波动; 5. 不适用模切面积较大的.输出压力值超出600KG以上的使用要求 6. 输入为气源、输出历沟油压、适用无尘羊间环境要求 7. 只能是一组时序控制 即只能执行一组动作要求。				
高压单时序控制器	 输出压力值稳定可靠; 输出压力值为 最高可达 200KG 故设计微型油缸可相对做小 结省模具空间 触屏操作面板 操作更为便 愿位; 标准输入电源为80 少如汉20V需提前知会可非标订制 适用于各种不同模切面积的需求 只有一组时序控制 即只能执行一组动作要求 但是可以扩容 选配升级为双时序控制。 				
超高压双时序控制器	 具有高压单时序控制器的各项特点 标配二组时序控制 可控制二组切刀不同时间的动作适用于双色模具或一套模具的两组切刀不同时间动作要求 达成客户模具特殊模切要求 也可为相邻两台成型机上的单组动作要求模具提供模切动力源 控制器采用模块化设计标准设计 维护更方便。 				

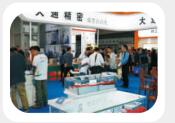


成型自动化系统组件

外接配件





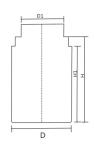




成型自动化系统组件 "咖啡"

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			单	向缸产品规格表	
规格	缸体大径	缸体大径	缸体全高	缸体高度	有效行程
79U1G	D	D1	н	H1	s
G -0620	10	9	20	16	2
「G -0825	14	11	20	16	2. 5
ΓG -1030	16	13	24	20	3
G -1235	18	15	24	20	3. 5
G -1440	20	17	30	26	4
TG -1645	22	19	30	26	5
DTG -2260	28	25	34	30	6

注:单向缸的行程必须在有效行程范围内,超过行程使用而损坏不在保固范围,产品保固30万次模次/1年,以先到为准.

说明:

- ▶ 采用高精密设备精心研磨加工而成,确保油缸精度,从而达成油缸使用寿命(30万次/1年)
- ▶ 特别注意:微型油缸均有行程控制,请在油缸有效范围内使用,超行程使用将导致油缸损坏,由此带来的损坏将不在修固范围内
- ▶ 所有的油缸均在出厂前,经过常温及高温 (120-180度)的检测后方可应用在客户模具中使用
- 由于微型油缸体积较小,故请在加工油路后需彻底清理油路中的铁屑,以免在工作过程中铁屑堵塞油缸,降低压力的传输,甚至导致油缸失去功能。

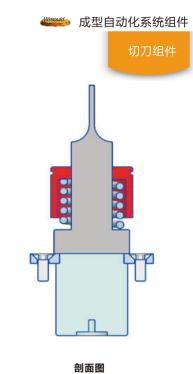


切刀:

标准件,头部尺寸需客制加工,大通精密提供标准件,头部由客制加工.

非标切刀,根据客户产品浇口形状非标订制





切刀模组特征





直/搭接绕口导向块

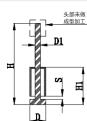
		tj	刀产品规格表			
规格	刀座直径	刀芯直径	切刀长度	刀座高度	有效行程	备注
200112	D	D1	Н	H1	S	
DT-BZ-0460	12	4	60	21.5	1.5	加长刀芯80
DT-BZ-0660	16	6	60	21.5	3	加长刀芯80
DT-BZ-0880	19	8	80	26.5	5	加长刀芯120
DT-BZ-1080	20	10	80	30	8	加长刀芯120
DT-BZ-1280	24	12	80	30.5	4	加长刀芯120

以上为标准切刀选用,为库存销售

● 材质:SKH51 58-62HRC

○ 超出以上规格为非标订制





成型切刀:

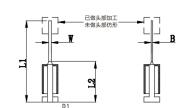
		切刀だ	≃品型号表			
规格	刀座直径	切刀宽带	切刀厚度	切刀长度	非成形长度	对应模仁厚度
观馆	D1	W	В	L1	L2	
DT-BZC-3014	4	3	1.4	60	27.5	38-60
DX-BZC-5016	6	5	1.6	60	27.5	38-60
DX-BZC-7020	8	7	2	80	29.5	40-80
DX-BZC-9020	10	9	2	80	33	40-80
DX-BZC-9024	10	9	2.4	80	33	40-80
DX-BZC-A120	12	11	2	80	36.5	48-80
DX-BZC-A124	12	11	2.4	80	36.5	48-80

● 以上为标准切刀选用,为库存销售

● 材质: SKH51 58-62HRC

▶ 超出以上规格为非标订制





		直/搭接线	克口导向块型号:	表		
品名	槽长	槽宽	长度	宽带度	厚度	材质
加石	В	W	L1	L2	Н	彻灰
DTDX-0300	3	2.5	50	30	12	
DTDX-0500	5	2.5	50	30	12	
DTDX-0700	7	2.5	50	30	12	SKD61硬度 48-52HRC
DTDX-0900	9	2.5	50	30	12	40 3211110
DTDX-1100	11	2.5	50	30	12	

注: 1.DTX-0300 的型号导向块不含料窝

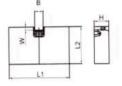
2.以上为公司标准规格,非标准规格可进行客制供货

3.以上规格随应用需求变更,更新后及时通知

4.流道及外形尺寸特征由客户自行加工

说明:

- 方便钳工快速配模作业;
- 方便后续设变,变更浇口;
- 防止切刀孔位磨损造成维修成本增加;
- ▶ 导向块内部流道及相关特征由客户自行加工;
- 第一款型号不含冷料穴;
- 可为客户非标订制;
- 材质为: S136/SKD61, 硬度为: 48-52HRC











二次成型应用

剪水口应用



侧浇口应用

切刀头部仿形加工,精准去除水口,不留毛边

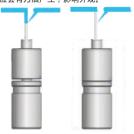


异形浇口应用



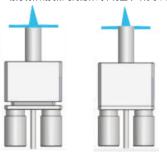
潜伏浇口应用

一般适合产品筋骨位进胶,通过挤压热分离原 理,来避免产生料屑,改善透明产品产生杂点。 但如直接进胶在产品上的方式,则不适合采用, 应会有刀痕产生,影响外观。



环形浇口应用

切刀制作成类似司筒的样式,将整个环形水口去除



搭接浇口应用

切刀头部仿形加工,精准去除水口,不留毛边



牛角浇口应用

一般适合产品筋骨位进胶,通过挤压热分离原理, 来避免产生料屑,改善透明产品产生杂点。但如直 接进胶在产品上的方式,则不适合采用,应会有刀 痕产生,影响外观。



● 解决薄胶位注射不全问题解决走胶产生结合线明显问题

通过植入自动化系统,注胶时,特征部位切刀镶件先不动作,待注胶完成后,切刀组件再行动作,减胶或成型 特征,达成目的。

简化模具结构应用

通过成型入子组件+微型油缸替代行位抽芯组件,可以有效简化模具结构、缩小模具体积。

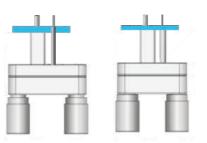
模内二次成型

解决薄胶位处不饱模

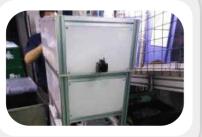
模内二次冲孔应用

结合线明显问题





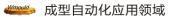






成型自动化应用领域











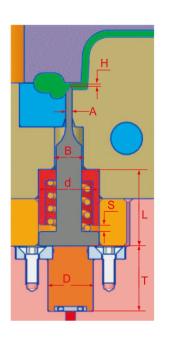
切刀模组开框加工要求说明 Wmould



重要工位加工要求及注意事项

1.首先需确保此套模具无胀模,否则会影响产品热切效果 2.以下所用图片,只为加工提供参考,以免精度走失,影响交期和模内切效果,

请务必将此报告扩散到加工及钳工等相关部门





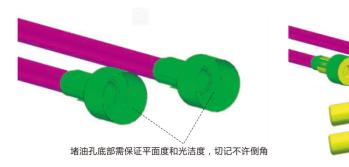
切刀及微型缸实际尺寸与图面尺寸一致, 模具加工请按照以下公差加工各功能面

H/S	切刀行程	通过调整切刀座来控制S尺寸 调整切刀高度来控制 H尺寸;建议S+0.005=H,此时热切效果最佳
А	切刀滑配面	与模仁长度 宽度配合间隙为单边0.005mm 建议切刀与模仁的配合长度确保8-10mm.
В	切刀松配面	与模仁配合间隙单边0.1mm
d	切刀座固配面	与模仁配合间隙单边 0.05mm
D	微型油缸固配面	与模板配合间隙单边 0. 05mm
L	切刀座深度	与模仁配合深度公差±0.01mm
Т	微型油缸深度	与模板配合深度公差±0.01mm

- 自动化系统安装所需开框位置的加工务必按我司提供的加工说明来进行加工,(我司将会提供开框加工说明PPT档 及现场培训教育的方式),如未按加工要求所造成的损伤也将由贵司承担.
- 所有油路的封堵,均须按我司要求执行,(由于设备运作时压力太大,高达600-1200kg)为防止产生人身伤害 及漏油/渗油的发生,请务必采用铜垫圈+螺丝的方式来执行)

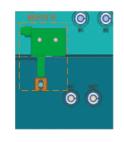


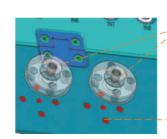
切刀模组开框加工要求说明



堵头为公制螺丝+垫片

- 触动开关由模内切提供,不安装此配件将无法试模生产;
- 触动开关若和水管、马仔干涉可自行调整适合位置。





互为进油口或排气口 (油路较少时可不设 计排气口)

此对接接头座的油路 不可倒角,因螺丝孔 兼定位作用,需保证 位置度



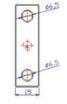






- 右图为切刀调整治具标准形式 图档,36尺寸对应模仁上需设 计M6螺丝孔。
- 建议每套模具必须设计切刀调 整块,通过切刀调整块确认并 调整切刀高度及行程更加方便 且更准确。

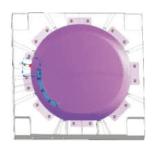


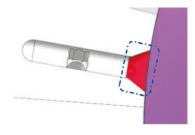




成型自动化应用方案

方案一: 典型侧进胶切除方案

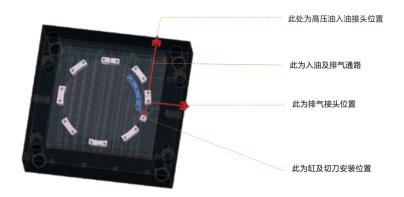


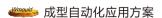




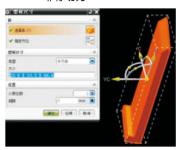
- 侧进胶,浇口宽度 25.0mm, 深度 1.78mm
- 啤塑胶料:PMMA产品腔数:1X1
- 产品边缘圆形,常规人手剪切困难,影响外观及装配,故采用自动化切除水口方案改善。

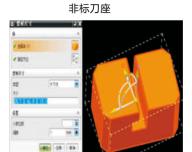
下图红色为水口切除组件安装图示





非标切刀







根据模具结构,水口大小尺寸及空间状况,油缸采用标准(D16)的,切刀及刀座则非标设计订制。

标准油缸 (D16)





成型自动化应用方案

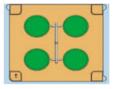
方案二: 典型潜伏式进胶挤压去除水口方案

- 啤塑胶料: ABS, 产品腔数: 1X4
- 产品侧边及正面为外观面,不允许有水口痕迹,采用底
- 部潜伏式进胶,常规人手剪切困难,影响外观及装配, 故采用自动化切除水口方案改善。



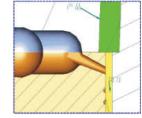






潜伏式进胶的问题点

2 克·森森 6





注:切刀行程一般选择在2~4mm之间,从热切

注:红色面需加工(安装油缸、加工油路)

切刀组件安装示意图

切刀组件设计方案



油缸为规格D22 压板为标配



采用标准刀杆, 头部非标仿形



组合示意图

Wmould

成型自动化应用方案

方案三

牛角进胶水口切除

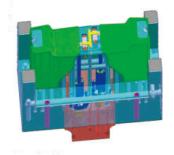
材质: ABS

7//////

- ⊙ 穴数: 1X2
- 底面牛角进胶,利用模内热切方式挤平 搭底的水口胶料,实现成型自动化。

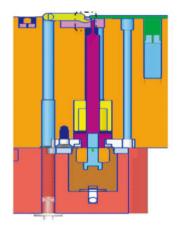


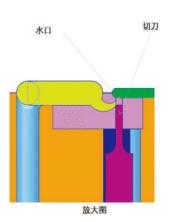
图示说明:





切刀模组安装方案展示





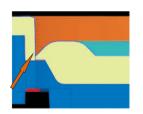
牛角进胶, 利用模内热切原理将多余的搭接水口料挤平

For more information please visit the website: https://yhb.com.vn

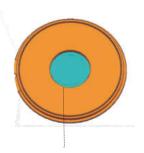


中间圆盘进胶去除方案

- 中间圆形进胶,浇口厚度0.45mm
- 啤塑胶料:ABS, 产品腔数:1X1
- ▶ 产品进胶中间圆形方式,常规人手剪切困难,影响外观及装配,原来 有用过外置式大型的双向油缸来切除,效果不理想,故采用自动化切 除水口方案改善。







进胶大小 Ø55mm, 厚 0.45mm.

周边圆形进胶

取消原来的外置油缸,改用超高压油缸,直接D22mm。面板因为开框问题需要新做,推板 需要返修。切刀可以返修



成型自动化应用方案



需重新增加制作面板1PCS



A板需要CNC加工推板安装位



进胶镶件原件修改 1PCS





推板原件修改 1PCS





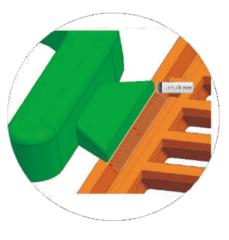


成型自动化应用方案

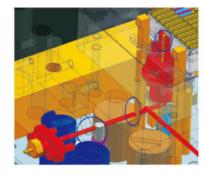
典型搭接式水口去除方案

- 搭接式进胶,浇口宽度19.78mm,深度1.2mm
- 啤塑胶料: PC+ABS, 产品腔数:1X1
- 产品侧面不允许有水口痕,产品较长,进胶量要 多,故采用搭接式水口,常规人手剪切困难,影响 外观及装配,故采用自动化切除水口方案改善。





搭浇口的问题点



蓝色位置干涉,需要取消中间位需取消 此位置的顶针,

此位置干涉,需要做逼孔,类似运水接 头堵水,将出油口接到外面即可!

切刀及油缸组件安装示意





成型自动化应用方案

整周大面积异形水口切除

- 产品腔数: 1X1 ● 进胶方式:中间整周异 形进胶
- 产品整周进胶,两孔位人手加工因难,
- 加工后过不到外观要求,采用模内热切方案后,
- № 整体自动去除,达成外观要求,节省加工作业员,实现利润最大化。



水口切除位置

工件图说明:

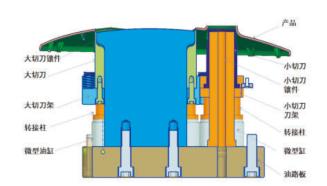




切除面积: 15482mm²

切刀模组安装方案展示

图示说明





成型自动化应用方案

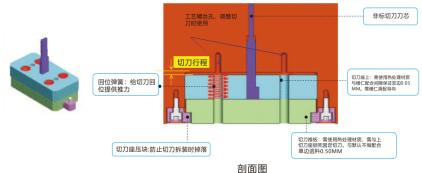
特殊二次成型减胶方案

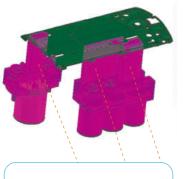
- 材质: PC+30PG 穴数: 1X2
- 右图中青色部份胶位比较薄,正常注塑过程时会出现夹 痕及注塑不全等现象,通过安装成型自动化系统方式来 改善



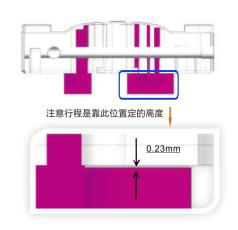
青色部争为薄胶位部分

解决方案原理





将此位置的做成切刀的镶件, (通过油 缸控制镶件的行程)因为此位置的面积 相对比较大,选择的油缸会比切刀油缸 的型号相对大一些

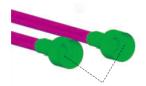




成型自动化应用方案



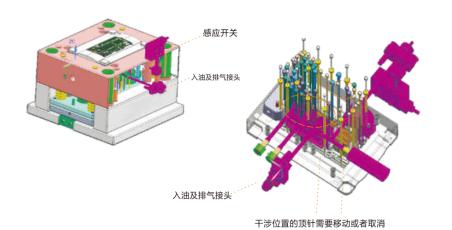
油路的设计方法和运水是一样的,只需要注意油 路的堵头是用公制螺丝并保持利角,只需要将所 有的油路串联起来即可





堵油孔底部需保证平面度和光洁度,切记不许倒角

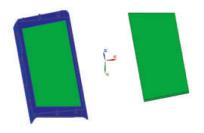
堵头为公制螺丝+垫片



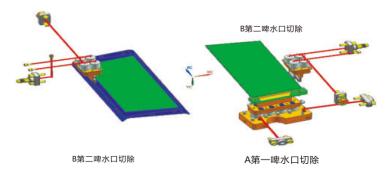
成型自动化 Molding Automation

方案八: 双时序控制 (包胶双色模具应用)

- 材质: PC透明+PC黑
- 产品腔数: 1+1
- 进胶方式:第一啤侧进浇(浇口宽度80mm)第二啤行位底进浇 (浇口宽度60mm)产品进浇口宽度大,透明件,人手加工因难,加工易出现不良,第一啤如不良直接影响第二啤的外观;采用 双时序模内热切方案后,自动去除水口,达成外观要求,节省加工作业员,实现双色模生产,提升工作效率。

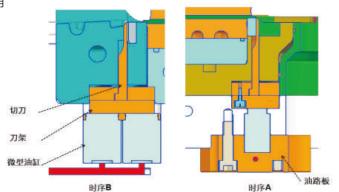


图示说明



切刀模组安装方案展示

图示说明



定位系列 Locating Parts Series



For more information please visit the website: https://yhb.com.vn













定位块	DIN								
Square Interlocks									
EE1304	P647	EE1306	P647	EE1308	P648	EE1320	P649	ZZ0851	P650











3	定位块	DIN								
5	Square Interlocks									
2	ZZ0852	P650	ZZ18	P653	ZZ19	P652	ZZ07	P651	ZZ17	P651











定位块	DIN								
Square Interlocks									
7750	P654	7751	P656	ZZ0711	P658	ZZ0722	P658	770712	P659











Shirt									
定位块	DIN								
Square Interlocks		Square Interlocks		Square Interlocks		Square Interlocks		Square Interlocks	
ZZ0721	P659	ZZ060	P660	ZZ08	P660	ZZ080	P661	ZZ48	P662











定位块	DIN	定位块	AISI	定位块	AISI	定位块	AISI	定位块	AISI
Square Interlocks									
ZZ46-S	P662	MMTR	P663	FFTR	P663	RRSI	P663	TTL-P	P663











		*		*					
定位块	AISI								
Square Interlocks		Square Interlocks		Square Interlocks		Square Interlocks		Square Interlocks	
FFW45	P664	PPLM	P664	PPLF	P664	GGL	P665	GGLM	P665



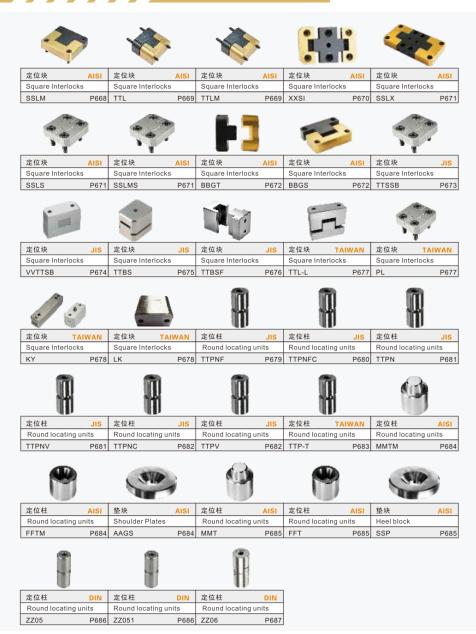








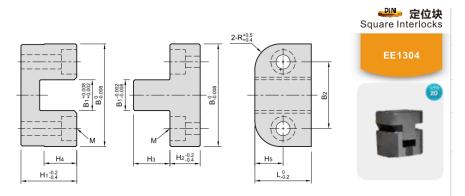
定位块	AISI								
Square Interlocks									
PPLL	P666	PPLF	P667	PPXM	P667	SSSI	P668	SSL	P668



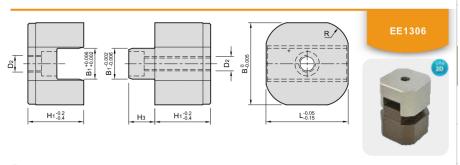


产品概述 Products Summary

	类型		标准	Code	页码	标准	Code	页码
				TTPN	P681	JIS	TTPV	P682
			JIS	TTPNV	P681	TAIWAN	TTP	P683
(m) T/	A44 P7 T0	公制		TTPNC	P682	5.11	ZZ05	P686
圆形	锥度型		DIN	ZZ06	P683	DIN	ZZ051	P686
			ALCI	MMT/FFT/AAGS	P684			
		美制	AISI	MMT/FFT/SSP	P685			
	无锥度型	公制	JIS	TTPNF	P679	JIS	TTPNFC	P680
				EE1304	P647		EE1306	P649
				EE1308	P648		ZZ0851	P650
				EE1320	P649		ZZ0852	P650
			D.IN.	ZZ50	P654		ZZ18/ZZ19	P652/653
			DIN	ZZ51	P657	DIN	ZZ07/ZZ17	P651
				ZZ0711	P658		ZZ48	P662
				ZZ0712	P659		ZZ46	P662
		八曲		ZZ0721	P659		ZZ060	P660
		公制		ZZ0722	P658		ZZ08	P660
			TAIWAN	LK	P678		ZZ080	P661
				RRSI	P663		SSSI	P668
	标准型		AISI	FFW45	P664		SSLM	P668
				GGLM	P665	AISI	SSLMS	P671
				TTSSB	P673		TTLM	P669
方形			JIS	VVTTSB	P674	JIS	TTBSF	P676
				TTBS	P675		TTL-L	P677
			TAIWAN	PL	P677	TAIWAN	KY	P678
				MMTR/FFTR	P663		GGL	P665
				TTL-P	P663		PPLL	P666
		美制		PPLM/PPLF	P664		SSL	P668
			AISI	TTL	P669	AISI	SSLS	P671
				BBGT	P672		BBGS	P672
	47 \h. mi	公制	1	XXSI	P670			
	多边型	美制]	PPLF/PPXM	P667		SSLX	P671
图示		无针	推度型	000	M M	标准型		
	"	锥	度型		<u>. </u>	多边型	•	

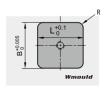


☎Order EE1304-34												
Code												@¥/P
EE1304-34	34	10	22	18	10	12	11	9	18	8	M4	
EE1304-40	40	12	26	22	12	14	13	11	22		M5	
EE1304-50	50	18	34	30	15	18	17	15	30	40	M6	
EE1304-64	64	22	42	40	18	24	23	20	40	10	140	
EE1304-72	72	26	48	46	20	28	27	26	52		M8	



Code								М
Code	В	B1	D2	H1	Н3		R max.	
EE1306-16	16	8	M4	12	6	16	3.25	M3
EE1306-20	20	10	M5	14	7	20	4.5	M4
EE1306-25	25	12	M6	16	8	25	5.4	M5

*建议安装开框尺寸公差: The dimensional tolerance of installation open frame is recommended: H1 *0.1 H1 *0.1 Wimould

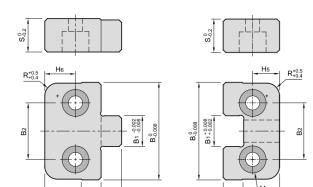




定位块 學 Square Interlocks

EE1308



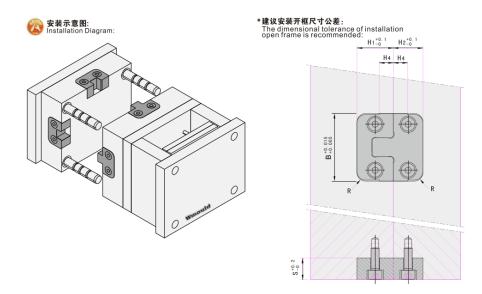


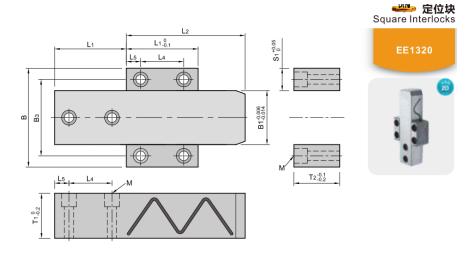
H_{1-0.1}

☎Order EE1308-40

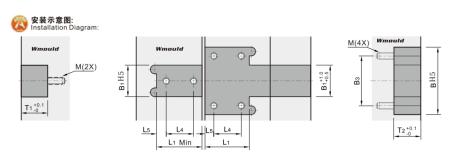
Code													@¥/P
EE1308-40	40	10	26	17	14	11	6	8.5	7	10	4	M 5	
EE1308-46	46	12	30	22	17	12	7	11	8.5	12	5	M 6	
EE1308-50	50	14	34	27	22	16	10	13.5	11	16	6	M 6	
EE1308-60	60	18	40	36	27	20	14	18	13.5	20	8	M 8	
EE1308-76	76	24	50	40	36	25	18	20	18	25	10	M10	

H₂-0.1 H₂-0.3





Order EE1320-1	6-10-44											
Code			L2				L4					@¥/P
EE1320-16-10- 44 EE1320-16-10- 54	16	10	44 54	36	26	26	14	6	14	14.2	M 4	
EE1320-16-10- 54 EE1320-16-10- 64	16	10	64	36	26	26	14	О	14	14.2	M 4	
EE1320-25-12- 54			54									
EE1320-25-12- 74	25	12	74	49	37	34	18		22	22.3	M 5	
EE1320-25-12- 94			94									
EE1320-34-16- 54 EE1320-34-16- 94			54 94					8				
EE1320-34-16- 94 EE1320-34-16-134	34	16	134	66	50	44	28		30	30.5	M 6	
EE1320-34-16-174			174									
EE1320-46-20- 74			74									
EE1320-46-20-114	46	20	114	86	66	62	38	12	38	38.8	M 8	
EE1320-46-20-154	-10	20	154	00		02	- 00			00.0	0	
EE1320-46-20-194 EE1320-60-25- 94			194 94									
EE1320-60-25-134			134									
EE1320-60-25-174	60	25	174	110	85	80	48	16	50	51.2	M10	
EE1320-60-25-214			214									
EE1320-60-25-254			254									
EE1320-80-32-114			114									
EE1320-80-32-154 EE1320-80-32-194			154 194									
EE1320-80-32-194 EE1320-80-32-234	80	32	234	144	112	98	58	20	70	71.6	M12	
EE1320-80-23-274			274									
EE1320-80-32-314			314									

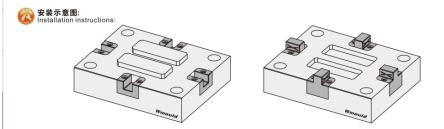


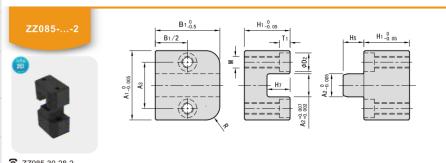




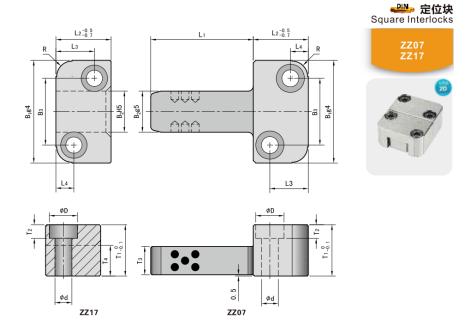
ZZ085-30-28-1

Code			Тур	A2								M
ZZ085-30-28-1	30	28		10	20	10	9	19.8	6	4.6	8	M5
ZZ085-50-33-1	50	33	1	20	35	17.5	16.5	29.8	8	6.8	11	M8
ZZ085-75-38-1	75	38		30	52	25	24	39.8	10	9	15	M10





ZZU85-3U-Z8-	-2											
Code			Тур									М
ZZ085-30-28-2	30	28		10	20	10	9	19.8	6	4.6	8	M5
ZZ085-50-33-2	50	33	2	20	35	17.5	16.5	29.8	8	6.8	11	M8
ZZ085-75-38-2	75	38		30	52	25	24	39.8	10	9	15	M10



	/17-22-16-20						
T4							L4
12	6	11		20			7
14	6	13	6.9	22	11	6.6	′
15	8	14		25			9
20	0	19	9	32	15	9	11
23	10	22	11	36	18	11	15
25	10	24	13	40	20	14	18

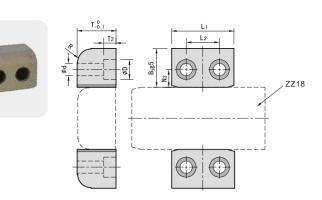
Code	L3	Вз	B1	L2	B2	L1	@¥/P
ZZ07/17-22-16- 20 ZZ07/17-22-16- 40	15	26	40	22	16	20 40	
ZZ07/17-27-20- 25 ZZ07/17-27-20- 50	19	31	45	27	20	25 50	
ZZ07/17-36-25- 32 ZZ07/17-36-25- 63	27	35	50	36	25	32 63	
ZZ07/17-46-32- 40 ZZ07/17-46-32- 80	35	45	63	46	32	40 80	
ZZ07/17-56-40- 50 ZZ07/17-56-40-100	40	60	85	56	40	50 100	
ZZ07/17-66-50- 56 ZZ07/17-66-50-112	48	74	100	66	50	56 112	





ZZ19

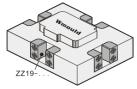


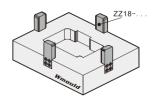


Z ZZ19-18-18-27

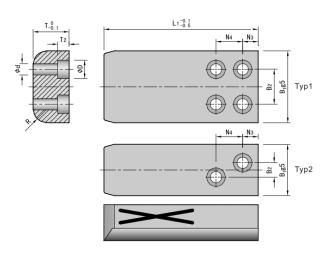
2213-10-10	2210-10-10-27													
Code						L2				@¥/P				
ZZ19-18-18-27	6	5.7	10	5.5	8	12	18	18	27					
ZZ19-20-22-36	0	6.8	11	6.6	10	16	20	22	36					
ZZ19-25-30-46	8	9	15	9	11	24	25	30	46					
ZZ19-32-32-56	10	44	18	11	16	30	32	32	56					
Zz19-35-35-56	12	- 11	10	- 11	16	30	35	35	36					
ZZ19-40-50-76	15	13	20	13.5	17	40	40	50	76					
ZZ19-45-65-86	15	13	20	13.5	20	50	45	65	86					











定位块 Square Interlocks

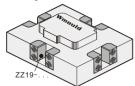
ZZ18

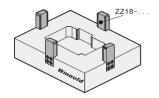


SOrder ZZ18-20-18-50

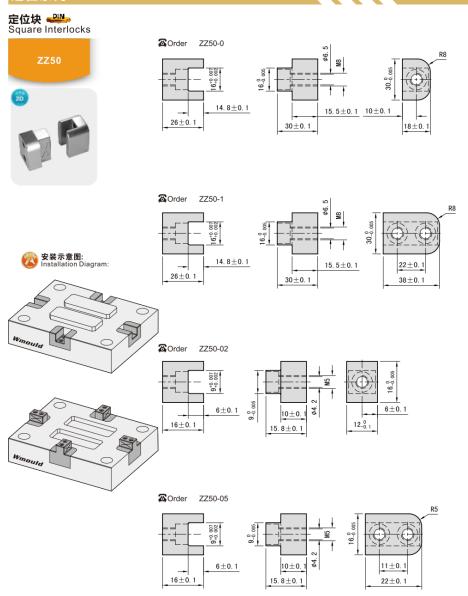
Code											Тур	@¥/P
ZZ18- 20-18- 50 ZZ18- 20-18- 75 ZZ18- 20-18- 90	20	18	50 75 90	10	5.5	7	9	8		5.7	1	
ZZ18- 32-22- 70 ZZ18- 32-22- 90 ZZ18- 32-22-112 ZZ18- 32-22-125 ZZ18- 32-22-150	32	22	70 90 112 125 150	11	6.6	14	18	9	6	6.8		
ZZ18- 50-30- 90 ZZ18- 50-30-125 ZZ18- 50-30-150 ZZ18- 50-30-175 ZZ18- 50-30-200	50	30	90 125 150 175 200	15	9	24	21	12	8	9		
ZZ18- 63-32-112 ZZ18- 63-32-150 ZZ18- 63-32-175 ZZ18- 63-32-200 ZZ18- 63-32-250	63	32	112 150 175 200 250	18	11	30	26	15	10	11	2	
ZZ18- 80-35-112 ZZ18- 80-35-150 ZZ18- 80-35-175 ZZ18- 80-35-200 ZZ18- 80-35-250	80	35	112 150 175 200 250	10	"	44	20	15	12	"		
ZZ18-100-50-175 ZZ18-100-50-200 ZZ18-100-50-250	100	50	175 200 250	20	13.5	55	32	18	15	13		
ZZ18-120-65-200 ZZ18-120-65-250 ZZ18-120-65-300	120	65	200 250 300	20	13.5	75	35	20	15	13		

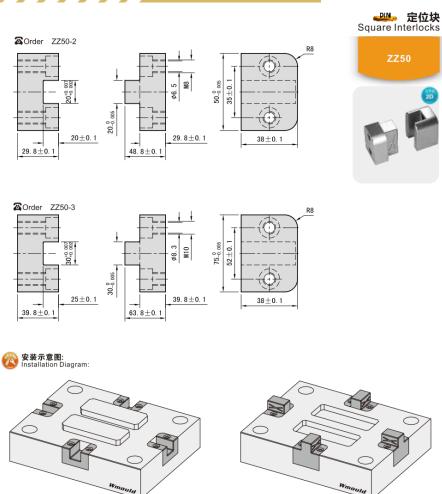




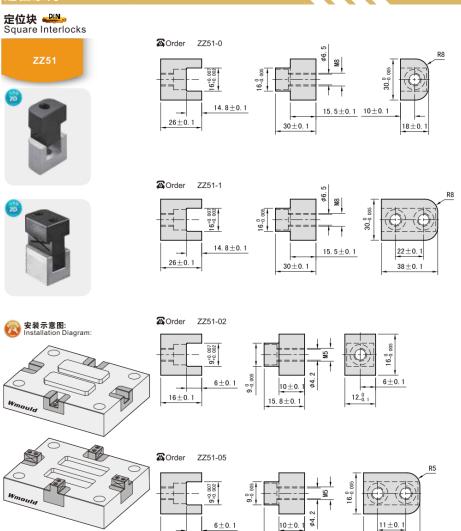








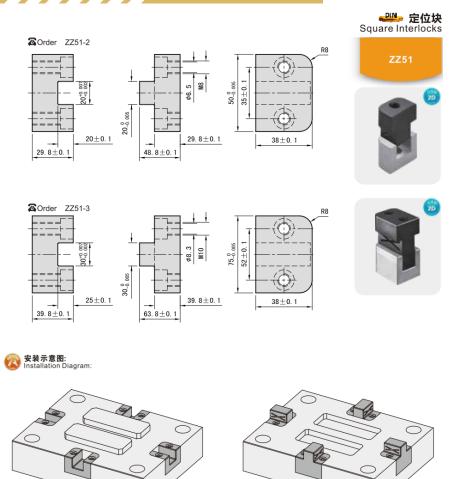




→ 16±0.1

15.8±0.1

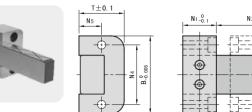
22±0.1

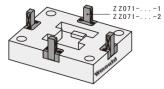








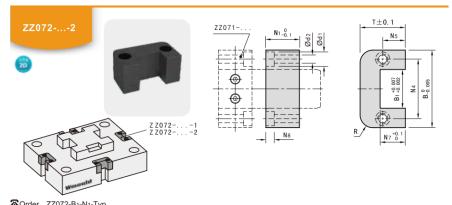




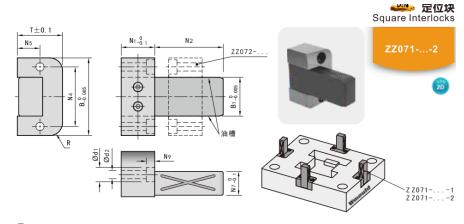
			771111
Ød1 Ød2		N9	
+ +	=====		N 7 0 1

ZZ072-...

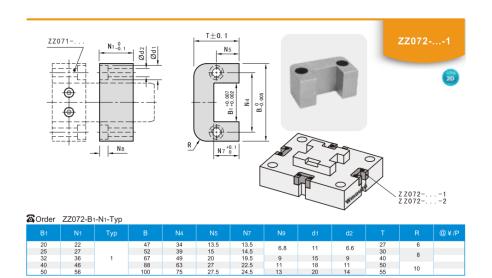
			Тур										@¥/P
20	22	22 40		47	34	13.5	13.5	6.8	44	6.6	27	6	
25	27	63		52	39	15	14.5	6.8	11	0.0	30	8	
32	36	40 80	1	67	49	20	19.5	9	15	9	40	0	
40	46	50 100		88	63	27	22.5	11	18	11	50	10	
50	56	56 112		100	75	27.5	24.5	13	20	14	55	10	



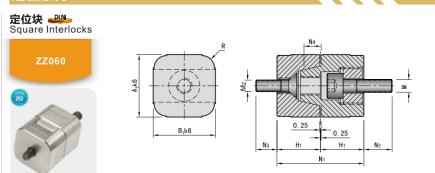
Order	ZZ072-B	1-N1- I yp										
		Тур										@¥/P
20	22		47	34	13.5	13.5	0.0	44	0.0	27	6	
25	27		52	39	15	14.5	6.8	11	6.6	30	8	
32	36	2	67	49	20	19.5	9	15	9	40	8	
40	46		88	63	27	22.5	11	18	11	50	10	
50	56		100	75	27.5	24.5	13	20	14	55	10	



Order	ZZ071-I	B1-N1-N2-	Тур										
			Тур										@¥/P
20	22	22 40		47	34	13.5	13.5	6.0	11	6.6	27	6	
25	27	63		52	39	15	14.5	6.8	11	0.0	30	8	
32	36	40 80	2	67	49	20	19.5	9	15	9	40	8	
40	46	50 100		88	63	27	22.5	11	18	11	50	10	
50	56	56		100	75	27.5	24.5	13	20	14	55	10	

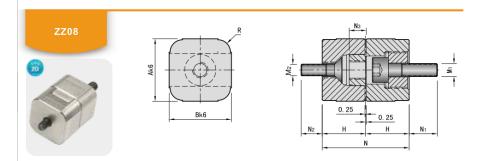




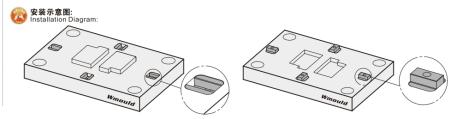


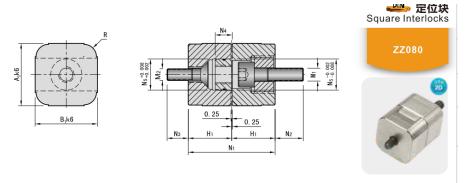
SOrder ZZ060-20×20

Code										M2	@¥/P
ZZ060-20×20	4	14	28	12	4	5.5	20	20	M 5	M4	
ZZ060-25×25	5	16	32	13	8	7.5	25	25	M 6	M5	
ZZ060-32×32	6	18	36	15	12	9.5	32	32	M 8	M6	
ZZ060-40×40	0	22.5	45	17	10	11.5	40	40	M10	M8	

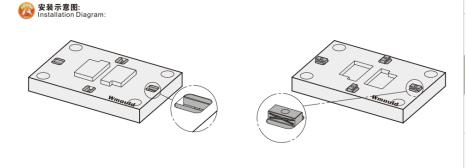


Order ZZ0	8-20×20										
Code										M2	@¥/P
ZZ08-20×20	4	12	4	3.5	28	14	20	20	M 5	M4	
ZZ08-25×25	5	13	8	5.5	32	16	25	25	M 6	M5	
ZZ08-32×32		15	12	7.5	36	18	32	32	M 8	M6	
7700 40-40	6	47	40	0.5	AF	20 5	40	40	1440	140	





☎ Order ZZ0	Order ZZ080-20×20													
Code										M2	@¥/P			
ZZ080-20×20	4	14	28	12	4	5.5	20	20	M 5	M4				
ZZ080-25×25	5	16	32	13	8	7.5	25	25	M 6	M5				
ZZ080-32×32	6	18	36	15	12	9.5	32	32	M 8	M6				
ZZ080-40×40	0	22.5	45	17	10	11.5	40	40	M10	M8				



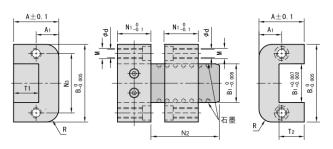




定位块 PM Square Interlocks

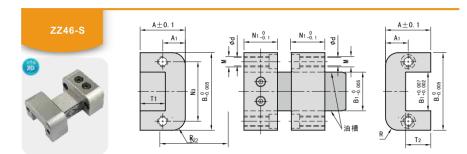






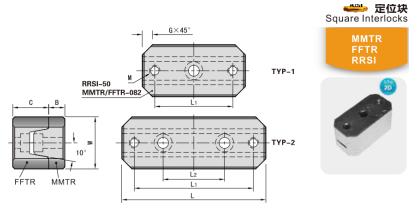
Order ZZ48-S-B1-N1-N2

B1	N1	N2	N3	А	В	d	A1	T1	T2	R	M	@¥/P
16	20	20 40	30	22	45	6.8	11	11.5	12	8	M 8	
30	26	40 63	46	35	60	0.0	17.5	19.5	20	10	IVI O	
48	36	32 50 63 80	74	46	100	10.3	23	25.5	26	12.5	M12	
77	56	50 71 100	114	60	150	14	30	35.5	36	16	M16	



Order ZZ46-S-B1-N1-N2

B1	N1	N2	N3	Α								@¥/P
16	20	20 40	30	22	45	6.8	11	11.5	12	8	M 8	
30	26	40 63	46	35	60	6.6	17.5	19.5	20	10	IVI O	
48	36	32 50 63 80	74	46	100	10.3	23	25.5	26	12.5	M12	
77	56	50 71 100	114	60	150	14	30	35.5	36	16	M16	

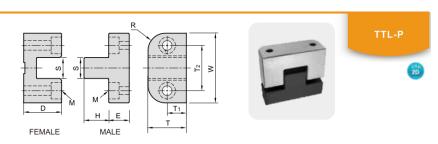


☎Order MMTR/FFTR-082

Code	Тур		10.000	L±.010	W+.000	MMTR	FFTR		14	中洋網44	@ V ID
Code	Typ		L2±.005		VV001	B±.005	C±.005			艾衣珠丝	W # /P
MMTR/FFTR-082	1		-	1.980	0.999	0.312	0.69	1/ 4-20	1.50	NO.10-24	
MMTR/FFTR-104	2	0.2	2.500	3.980	1.249	0.375	0.87	1/ 4-20	3.38	1/ 4-20	
MMTR/FFTR-126	2		4.000	5.980	1.499	0.500	1.00	5/16-18	5.25	5/16-18	

☎Order RRSI-50

	Code	L -0.1	L1	L2	W _{- 0.01}		C - 0.01			@¥/P
Г	RRSI- 50	50	36	-	25	8	17.5		M5	
	RRSI-100	100	88	60	30	10	22	5	M6	
	RRSI-150	150	132	100	40	13	25		M8	



☎Order TTL-P-100

Code	W+.0000 0004		H+.000 H010	S ^{.0002} TOTAL	D ^{+.000}	R+.010 RADIUS	E+.000
TTL-P-100	1.0000	0.500	0.275	0.375	0.500	0.375	0.375
TTL-P-125	1.2500	0.625	0.375	0.483	0.625	0.483	0.500
TTL-P-150	1.5000	0.875	0.500	0.500	0.875	0.500	0.750
TTL-P-200	2.0000	1.000	0.625	0.750	1.125	0.750	0.750
TTL-P-300	3.0000	1.125	0.750	1.125	1.500	1.125	0.750

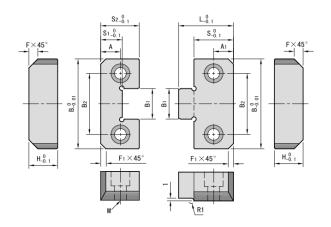
Code	OVERALL HEIGHT	T1	T2	M MALE(2)	M FEMALE(2)	@¥/P
TTL-P-100	0.875	0.250	0.688	6-32×1/2	6-32×5/8	
TTL-P-125	1.125	0.312	0.875	0-32 1/2	0-32*3/8	
TTL-P-150	1.625	0.437	1.000	8-32×3/4	8-32×3/4	
TTL-P-200	1.875	0.5	1.375	10-32×3/4	10-32× 1	
TTL-P-300	2.250	0.562	2.250	1/4-20×3/4	1/4-20×1-1/2	



定位块 🐣 Square Interlocks

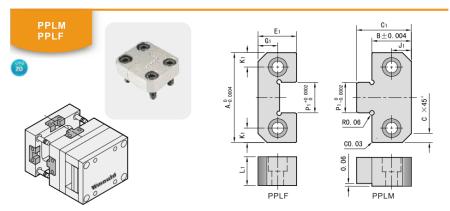






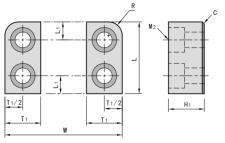
Order FFW45-40

Code														
FFW45- 40	40	47	12	27	12	6	10	8.5	14	22	6.5×45°	2.5×45°	31	M 5
FFW45- 50	50	17	17	36	15	8.5	12.5	8.5	20	32	6.5×45°	2450	35	M 6
FFW45- 75	75	22	22	46	20	11	20	11	31.5	45	11 ×45°	3 ×45°	45	M10
FFW45-100	100	27	27	56	25	13.5	25	13.5	40	62	13 ×45°	5 ×45°	55	M12
FFW45-125	125	36	36	66	25	18	31.5	18	50	87	13 ^45	5 ^45	65	WIIZ



Code				P1		安装螺丝						@¥/P
PPLF-0001 PPLM-0001	1.5000	0.870	1.18	0.5000	0.870	1/4-20×3/4	0.281	0.437	0.281	0.620		
PPLM-0002 PPLF-0002	2.0000	0.870	1.10	0.6800	0.870	1/4-20 ^ 3/4	0.375	0.437	0.375	0.620	0.19	
PPLF-0003 PPLM-0003	3.0000	1.360	1.910	1.0000	1.370	3/8-16×1	0.688	0.688	0.575	0.745		
PPLM-0004 PPLF-0004	4.0000	1.870	2.640	1.3750	1.870	3/0-10-1	0.875	0.875	0.625	0.743	0.50	
PPLF-0005 PPLM-0005	5.0000	1.070	2.040	1.7500	1.070	1/2-13×1 ¹ /4	0.075	0.073	0.750	1.120	0.50	

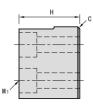
AS 定位块 Square Interlocks









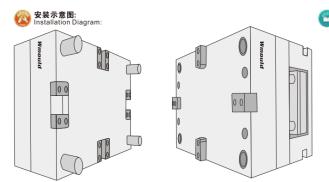


TOrder GGL-100-150

Code	L+.000 L010	C+.0000	H1 ⁺ .000	T+.0000 0003	H ^{+.00}	S±.01	R Pocket Radius	C Chamfer	M1	M2	@¥/P
GGL-100-150	1.000	0.500	0.500	0.500	0.85	0.25	0.187	0.03	#10-32×1"	#10-32×5/8"	
GGL-150-250	1.500	0.750	0.750	0.750	1.35	0.31	0.250	0.06	#1/4-20×1-1/2"	#1/4-20×7/8"	
GGL-200-350	2.000	1.000	1.000	1.000	1.73	0.44	0.375	0.06	#3/8-16×2"	#3/8-16×1-1/4"	
GGL-250-450	2.500	1.250	1.250	1.250	2.11	0.56	0.500	0.09	#1/2-13×2-1/4"	#1/2-13×1-1/2"	

☎Order GGLM25-45

— 0.40.	-11120 10											
Code							L1±.2	R ^{Pocket} Radius	C Chamfer		M2	@¥/P
GGLM-25-45	25	45	15	15	15	24	7	4	1	M:M4×25	F:M4×14	
GGLM-40-65	40	65	20	20	25	34	10	0	1.5	M:M5×35	F:M5×22	
GGLM-50-90	50	90	25	25	40	44	10	9	1.5	M:M6×45	F:M6×30	



- 使用说明: ·在型芯嵌入型腔前对其精确 定位,防止合模时型芯磨损或 损坏;
- /坝林; ·每套模具使用4套,安装于模 具中心线的四个侧面; ·每套定位块包含1组凹块(2Pcs)
- 和1组凸块(1Pcs)。

Installation Guidelines:

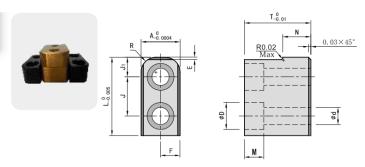
- · Provides positive alignment for molds with interlocking cavities and core, Present the core of wear and damage in.
- · Recommended 4sets per mold, mount on centerline on all four sides mold closed.



定位块 🐸 Square Interlocks

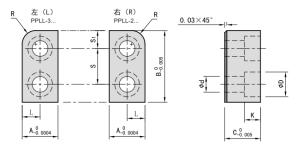
PPLL





Code	А	L	Т	Е			J1	J	d		М	N	@¥/P
PPLL-1001	0.4998	1.000	0.85	0.030	0.250	0.19	0.250	0.500	0.219	0.344	0.22	0.36	
PPLL-1002	0.9998	1.500	1.35	0.060	0.500	0.25	0.312	0.875	0.281	0.406	0.28	0.61	
PPLL-1003	1.4998	2.000	1.72	0.060	0.750	0.38	0.438	1.125	0.406	0.594	0.41	0.73	
PPI I -1004	1 9998	2 500	2 10	0.060	1 000	0.50	0.562	1.375	0.531	0.781	0.53	0.86	

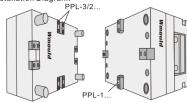




Order PPLL-3001/2001

Co	ode				R	S1				К		@¥/P
PPLL-3001	PPLL-2001	0.5000	1.000	0.500	0.19	0.250	0.500	0.219	0.344	0.22	0.250	
PPLL-3002	PPLL-2002	0.7500	1.500	0.750	0.25	0.312	0.875	0.281	0.406	0.28	0.375	
PPLL-3003	PPLL-2003	1.0000	2.000	1.000	0.38	0.438	1.125	0.406	0.594	0.41	0.500	
PPLL-3004	PPLL-2004	1 2500	2 500	1 250	0.50	0.562	1 375	0.531	0.781	0.53	0.625	



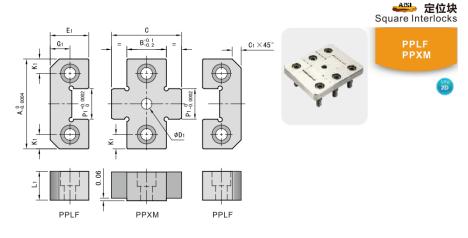




- 使用说明: ·在型芯嵌入型腔前对其精确定位,防止合模时型芯
- 磨损或损坏; ·每套模具使用4套,安装于模具中心线的四个侧面; ·每套定位块包含1组凹块(2Pcs)和1组凸块(1Pcs)。

- Installation Guidelines:
 Provides positive alignment for molds with interlocking cavities and core, Present the core of wear and damage in.
- · Recommended 4sets per mold, mount on centerline on all four sides mold closed.

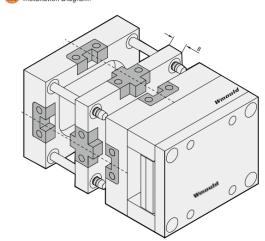


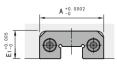


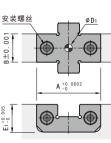
Torder PPLF-0001/PPXM-1001

Co	ode						安装螺丝				C1	ØD1	@¥/P
PPLF-0001 (2 REQ'D)	PPXM1001 PPXM2001	0.875 1.375	1.5000	1.470 1.970	0.5000	0.870	1/4-20×3/4	0.281	0.281	0.620		0.2500	
PPLF-0002 (2 REQ'D)	PPXM1002 PPXM2002	0.875 1.375	2.0000	1.470 1.970	0.6800	0.670	1/4-20×3/4	0.375	0.375	0.020	0.19	0.2500	
PPLF-0003 (2 REQ'D)	PPXM1003 PPXM2003	0.875 1.375	3.0000	1.950 2.450	1.0000	1.370	3/8-16× 1	0.688	0.375	0.745		0.3750	
PPLF-0004 (2 REQ'D)	PPXM2004 PPXM3004	1.875	4.0000	2.890 3.390	1.3750	1.870	3/0-10^ 1	0.875	0.625	0.745	0.50	0.3750	
PPLF-0005 (2 REQ'D)	PPXM3005 PPXM2005	1.375 1.875	5.0000	2.890 3.390	1.7500	1.070	1/2-13×1 ¹ /4	0.675	0.750	1.120	0.50	0.5000	







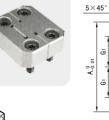


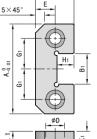


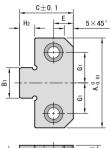














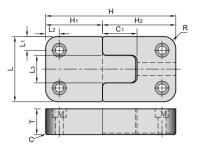


Code													@¥/P
SSSI- 50	50	17	11	21.5	16	17	30	6.5	10.5	8.5	9.5	8	
SSSI- 75	75	25	18	36	19	25	50			14	15		
SSSI-100	100	35	22	45	19	35	65	10.5	16.5	20	24	12	
SSSI-125	125	42	22	45	25	45	65			20	21		









☎Order SSL-37-100

Code		L+.0000 L0004	H2 ^{+.000}	H1 ^{+.000}		L3 ^{+.0001}	H ^{+.000}	R Pocket Radius	L1/L2 ±.01	C Chamfer	安装螺丝	@¥/P
SSL- 37-100	0.375	1.000	1.125		0.62	0.500	2.000			0.015	#10-32×1/2"	
SSL- 50-125	0.490	1.250	1.125		0.68	0.500	2.000	0.407	0.250		# 8-32×5/8"	
SSL- 50-150	0.500	1.500	0.875	0.875	0.56	0.563	1.750	0.187			# 8-32×5/8"	
SSL- 50-200	0.500	2.000	1.375		0.86	0.750	2.250		0.312		#10-32×5/8"	
SSL- 75-300	0.750	3.000	1.875		1.18	1.250	2.750	0.250	0.375	0.03	1/4-20×3/4"	
SSL-100-400	1.000	4.000	2.375		1.43	1.500	3.750		0.500		3/8-16×1"	
SSL-125-500	1.250	5.000	2.875	1.375	1.75	2.000	4.250	0.500	0.625		1/2-13×1-1/4"	
SSL-150-600	1.500	6,000	2.075		1.87	2.500	4.250		0.625		1/2-13×1-1/2"	

☎Order SSLM-16-50

Code	T + .00	L + .00	H2 ^{+.00} ₀₅	H1 ⁺ :00 05	C1	L3 ⁺ .002	H ^{+.00}	d	R Pocket Radius	L1±.25	L2±.25	С	@¥/P
SSLM-16- 50	16	50	21.5	21.5	13	17	43	6.5		8	11		
SSLM-19- 75	19	75	36	36	22.5	25	72		-	12.5	18	0.8	
SSLM-19-100	19	100	45	45	30	35	90	10.5	5	15	22	0.0	
SSLM-25-125	25	125	45	45	28.7	35	90			20.5	22		

AS 定位块 Square Interlocks





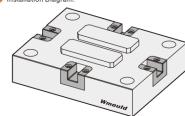
☎Order TTL-62-125

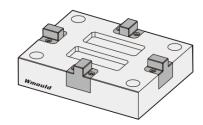
	Code	T + 0.002	W ⁺⁰ -0.0004	A+0.002	B+0.000		S0.0001			R Pocket Radius	C Chamfer	安装螺丝	@¥/P
	TTL- 62-125	0.625	1,250	0.625	0.500	0.41	0.438	0.312	0.875		0.03	M:# 6-32×5/8" F:# 6-32×3/4"	
- 1	TTL- 75-125	0.750	1.230	0.023	0.500	0.38	0.436	0.375	0.075	0.250		M:# 8-32×5/8" F:# 8-32×3/4"	
	TTL- 87-150	0.875	1.500	0.875	0.750	0.57	0.500	0.437	1.000	0.230		M:# 8-32×7/8" F:# 8-32×1"	
- 1	TTL-100-150	1.000	1.500	0.675	0.375	0.57	0.500	0.500	1.000			M:#10-32×1/2" F:#10-32×1"	
	TTL-100-200	1.000	2.000	1.125	0.750	0.75	0.750	0.500	1.375	0.375	0.04	M:#10-32×1" F:#10-32×1-1/8"	
- 1	TTL-112-200	1.125	2.000	0.875	0.625	0.50	0.750	0.563	1.375	0.373		M:#1/4-20×3/4" F:1/4-20×1"	
	TTL-112-300	1.125	3.000	1.500	0.750	0.87	1.125	0.563	2.250	0.500		M:#1/4-20×7/8" F:1/4-20×1-5/8'	
	TTL-150-250	1.500	2.500	1.375	0.625	0.85	1.000	0.750	1.750	0.375		M:#1/4-20×3/4" F:1/4-20×3/4"	
	TTL-175-300	1.750	3.000	1.250	0.875	0.75	1.125	0.875	2.250	0.500	0.06	M:#5/16-18× 1" F:5/16-18×1-1/4"	
L	TTL-200-350	2.000	3.500	1.750	0.750	1.07	1.500	1.000	2.500	0.500	0.06	M:#3/8-16×7/8" F:3/8-16×2"	

☎Order TTLM-26-35

Code	W + .00	T + .00	A+.00	B+.00	A1	\$8:882 Centro Av Sur			R Pocket Radius	C Chamfer	安装螺丝	@¥/P
TTLM-26- 35	35	26	25	15	47	11	13	23			M:M 5×16 F:M 5×25	
TTLM-30- 45	45	30	25	10	17	15	15	30		1	M:M 6×18 F:M 6×25	
TTLM-36- 55	55	36	30		21.5	20	18	37.5	8		M:M 8×22 F:M 8×35	
TTLM-36- 75	75	30	35	20	26	30	10	52		1.5	M:M10×25 F:M10×35	
TTLM-45-100	100	45	60		42	40	22.5	70		1.5	M:M10×25 F:M10×65	





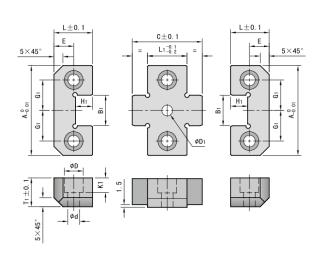




定位块 🤐 Square Interlocks



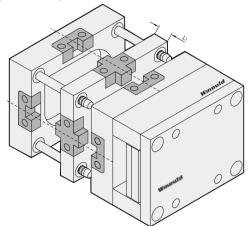


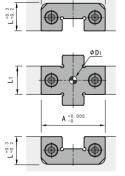


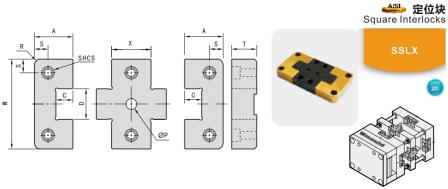
☎Order XXSI-5026

Code													ØD1	@¥/P
XXSI- 5026 XXSI- 5036	50	26 36	17	43 53	10.5	6.5	11	17	9.5	8	21.5	16	6	
XXSI- 7526 XXSI- 7536	75	26 36	25	54 64			18	25	15		36	19	10	
XXSI-10036 XXSI-10046	100	46	35	76 86	16.5	10.5	22	35	21	12	45	19	10	
XXSI-12536 XXSI-12546	125	36 46	45	76 86			22	42	21		45	25	12	



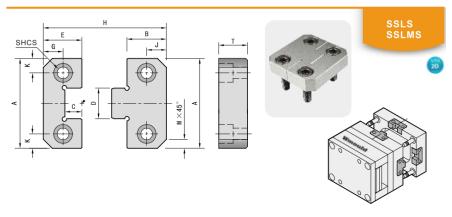






☎Order SSLX-50-87

Code	T +0 -0.002	W ⁺⁰ _{-0.0004}	X +0 -0.005	A +0 -0.002	C±0.01	D _{0.0002}		S±0.01	P +0.001	SHCS	@¥/P
SSLX- 50- 87	0.500	2.000	0.875	1.375	0.65	0.75	0.187	0.312	0.250	#10-32×5/8"	
SSLX- 75-137 SSLX- 75-187	0.750	3.000	1.375 1.875	1.875	1.12	1.250	0.250	0.375	0.313	1/4-20×3/4"	
SSLX-75-167 SSLX-100-137	1.000	4.000	1.375	2.375	1.12	1.250	0.500	0.500	0.375	3/8-16×1	



☎Order SSLS-62-150

Code	T ±0,002	A+0 -0.0004	E+0 -0.0008	B+0 -0.0008	С	D _{0.0002}	H +0 -0.002	М	J±0.01	G±0.01	K±0.01	SHCS	@¥/P
SSLS- 62-150 SSLS- 62-200	0.620	1.500 2.000	0.870	0.870	0.33	0.500 0.680	1.74	0.19	0.437	0.281 0.375	0.281	1/4-20×3/4"	
SSLS- 75-300	0.745	3.000	1.370	1.360	0.57	1.000	2.73	0.38	0.688	0.688	0.375	3/8-16×1"	
SSLS- 75-400	0.745	4.000	1.870	1.870	0.79	1.375	3.74	0.50	0.875	0.875	0.625		
SSLS-112-500	1.120	5.000	1.070	1.070	0.79	1.750	3.74	0.50	0.675	0.673	0.750	1/2-13×1-1/4"	

☎Order SSLMS-13-38

Code	T +0 -0.05	A ⁺⁰ _{-0.01}	E+0 -0.02	B ⁺⁰ _{-0.02}		D _{0.005}	H+0 -0.04		J/G±0.2	K±0.2	SHCS	@¥/P
SSLMS-13- 38	13	38	22	22	8.5	12	44	-	7	8	M 5-0.8×15	
SSLMS-16- 50	16	50	21.5	21.5	9.5	17	43	5	11	8	M 6-1.0×18	
SSLMS-19- 75	19	75	36	36	15	25	72	8	18	12.5	M10-1.5×20	
SSLMS-19-100	19	100	45	45	21	35	90	10	22	15	W10-1.3^20	
SSLMS-25-125	25	125	40	40	21	45	90	10	22	20.5	M10-1.5×25	

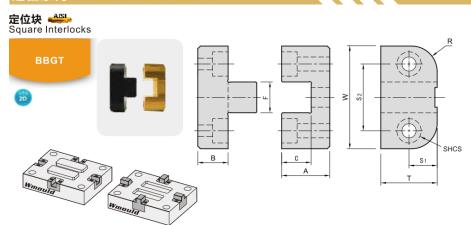
4.000 5.000

BBGS-5000

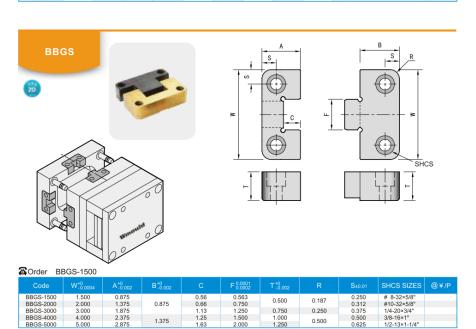
2.375 2.875

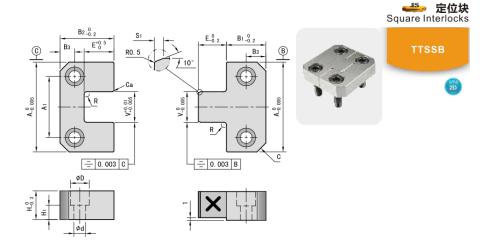
1.375



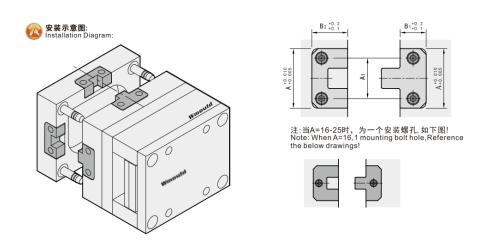


Order B	BGT-125)										
Code	W ⁺⁰ _{-0.0004}	A ⁺⁰ _{-0.002}	B*0.002	C±0.01	F 0.0001	T *0.002				SHCS	SIZES	@¥/P
BBGT-1250	1.250	0.625	0.500	0.41	0.438	0.625	0.050	0.312	0.875	M:# 6-32×5/8"	F:# 6-32×3/4"	
BBGT-1500	1.500	0.875		0.53	0.500	0.875	0.250	0.437	1.000	M:# 8-32×7/8"	F:# 8-32×1"	
BBGT-2000	2.000	1.125	0.750	0.66	0.750	1.000	0.375	0.500	1.375	M:#10-32×1"	F:#10-32×1-1/4"	
BBGT-3000	0.000	1.500		0.78	4 405	1.125		0.562		M:#1/4-20×1"	F:#1/4-20×1-3/4"	
BBGT-3000S	3.000	1.250	0.875	0.75	1.125	1.750	0.500	0.875	2.250	M:#5/16-18×1-1/8"	F:#5/16-18×1-5/8"	
BBGT-3500	3,500	1.750	0.750	1.00	1.500	2.000		1.000	2.500	M:#3/8-16×1"	F:#3/8-16×2"	





☎ Ord€	er TTS	SSB-A-	E													
С								Ca							安装螺丝	@¥/P
1	6	16 20	7 8	11	17	1	1	0.5	-	5	8	4.5	8	3	M 4	
	8	25	10		19 22	·	·	0.0								
	20	30	12	14	34	2	2	1	16	6	9.5	5.5	10	4	M 5	
5	10 25	40	15	18	28 43	1	1	0.5	22	7	11	6.6	13	6	M 6	
3	20 35	60	25	30	50 65	2	2	1	36	12	14	8.6	20	11	M 8	
	30 45	80	30	40	70	-	-	· ·	52	14	18	11	25	14	M10	
	45				85											



0.500 0.625

0.500

3/8-16×1" 1/2-13×1-1/4"

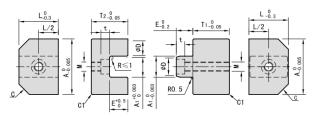


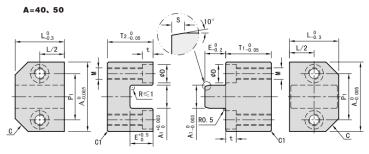
定位块 🕮 Square Interlocks

VVTTSB



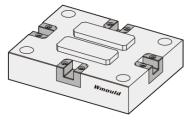
A=20, 25, 30

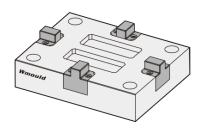


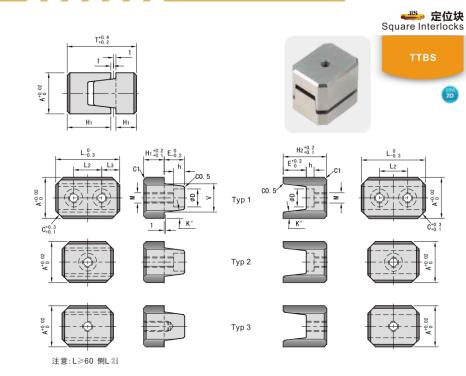


Α	Е	С	D								P1	М	@¥/P
20	6	4	6	10	12	3.5	23	8	14	0.5		M4	
25 30	8	-		12	15	4.5	28	10	17	1	-	M5	
40	10	6	8	15	20	4.5	32	12	19		28	MIS	
	15	Ü		13	20		43	17	25	2	20		
50	10		10	20	25	5.5	46	17	28	-	35	M6	









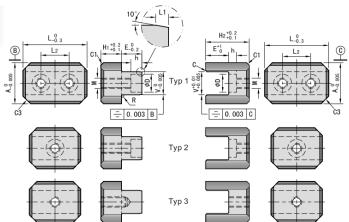
Orde	er TTE	3S-A-I	L-K													
	Тур								L3	L2				安装螺丝		@¥/P
15	3		2	7	5						-		12	M3	M 3	
20				9									16	M4	M 4	
20 25	2			12	7	23	7	14					00			
30	1			12	'		/	14	7.5		6.5	3.5	20	M3	M 4	
30 40									10	20						
25 30	2	1							-	-						
30	1			15		28	9	17	7.5	15	8	5	25	M4	M 5	
40									10	20						
25	2	3		47	8											
30				17		32	10	20	7.5	15	9	6	30			
40									10	20	9	Ů		M5	M 6	
30		5	3			0.5			7.5	15						
40	1		3	20	10	35	11	22	10	20 30			35			
50 40									10	20						
50										30		7		M6	M 8	
75		3		25	15	45	14	29	17.5	40	11	/	45			
100		3							20	60						
60		5		35	20	60	10	30	15	30	14	Q	65	MR	M10	





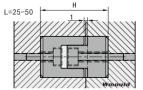


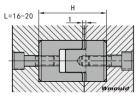




	Тур								С	L2					安装螺丝	@¥/P
16	3	8 12	9	26 30 26		17 21							16		M4bolt	
20	3	8 12	9	26 30	8	17 21				-			16		M4DOIL	
25	2	8 12	12	26 30	0	17 21	1	0.5	0.5		6.5	3.5	20	M4	M3bolt	
30	1	8 12	12	26 30		17 21				15	0.5	3.5	20		Madoit	
25	2	10 15	15	32 37	10	26	2	1	1	-	8	5	25	M5	M4bolt	
30		10 15	15	32 37	10	21 26	1 2	0.5 1	0.5 1	15	Ů	J	20	IVIO	WHOOK	
30		12 20	17	36 44		23 31	1 2	0.5 1	0.5 1	10	9.5	6	30	M6	M5bolt	
40	1	12 20	- 17	36 44	12	23 31	1	0.5	0.5	20	0.0	Ů	00	IVIO	Wood	
-70		15 25	20	41 51		28 38	2	1	1		11	7	35	M8	M6bolt	
50		15 25	20	41 51		28				30		′	55	.,10	oboit	

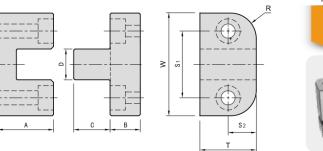




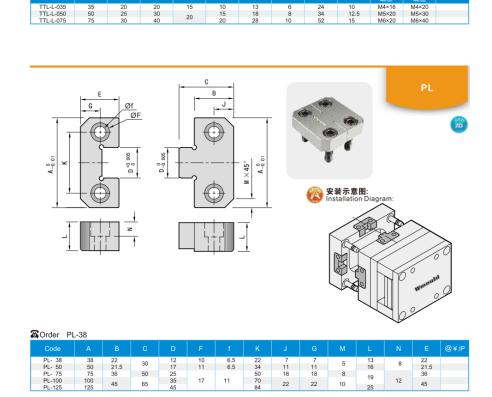


*避免合模时凹、凸块碰撞损坏,请在安装时注意留出1mm间隙。如图所示!

When a convex side and concave side knock against each other, It cause damage, Please open about 1mm and use it. As shown in the figure above!



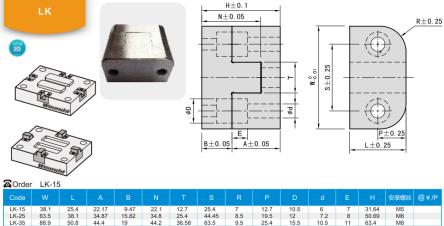
Falwan 定位块 Square Interlocks

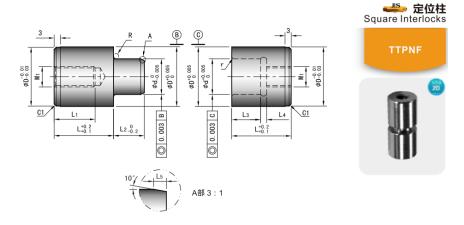


☎Order TTL-L-035

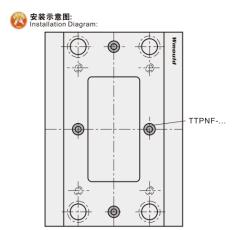


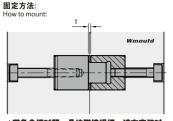












*避免合模时凹、凸块碰撞损坏,请在安装时 注意留出1mm间隙。如图所示!

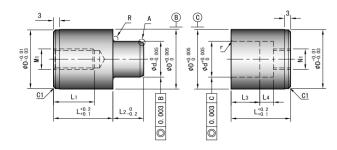
When a convex side and concave side knock against each other, It cause damage, Please open about 1mm and use it. As shown in the figure above!











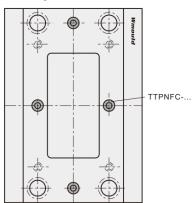


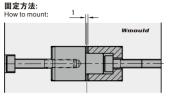
Δ 邹 3 ⋅ 1

TTPNFC-D-L2

D	L2			L3	L4	L5	M1					@¥/P
13 16	7	14.5	10	6	5		4	7 10			M 5	
20	10	19.5		9	6	1	5	13	0.5	0.8	M 6	
25	12	24.5	12	11	8		6	16			M 8	
30	18	34	18	17	11	2	8	20	1	1.5	M10	

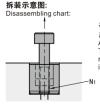




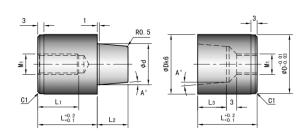


*避免合模时凹、凸块碰撞损坏,请在安装时 注意留出1mm间隙。如图所示!

When a convex side and concave side knock against each other, It cause damage, Please open about 1mm and use it. As shown in the figure above!



*如图所示.利用螺栓拧紧 在拉拔螺纹"NI"上,向外提 起螺栓,变不于折卸. As shown in the figure above, The bushing can be easily removed by screwing a bolt into its(N1) and extracting it.





D	L	d	L1	L2	L3	M1
8	13	5	7.5			M 3
10 13	14	7	10	6	5	M 4
16		10				M 5
20	19	13	12	9	8	M 6
25	24	16	16	12	11	M 8
30 32	29	20	20	15	14	M10
35	34	24	24	18	17	M12
42	39	30	2-7	24	23	111.12

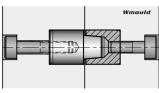
Order	TTPN-D-A°
-------	-----------

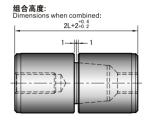
Code		Α°	D	lk6		@¥/P
	13	1	13	+ 0.012 + 0.001		
	16	'	16	+0.001		
	20	3	20	. 0.045		
TTPN	25	_	25	+ 0.015 + 0.002	标准型	
	30	5	30	. 0.002		
	32	10	32			
	35	10	35	+ 0.018 + 0.002		
	42		42	. 0.002		

☎Order TTPNV-D-A°

Code		Α°	D			@¥/P
	13		13	+ 0.012 + 0.001		
	16	4	16	+ 0.001		
	20	· ·	20		单件同轴度	
TTPNV	25	3	25	+ 0.015 + 0.002	0.01mm以内	
	30	_	30	1 0.002	0.01mm以内	
	32	5	32	+ 0.018 + 0.002		
	35		35	+ 0.002		





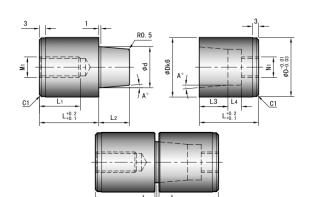




定位柱 🐸 Square Interlocks







2L+2+0. 4

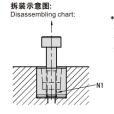
				L2		L4	M1	
13	44	7	6		-	3.3	M 3	M 4
16	14	10	10	ь	5	5.3	M 5	M 6
20	19	13	12	7	7	7	M 6	M 8
25	24	16	16	10	10	9	M 8	M10
30	29	20	20	13	13	11	M10	M12
32	29	20	20	13	13	- "	WITU	IVITZ
35	34	24	24	16	16	13	M12	M14
42	39	30	24	21	21	13	W12	M14

Code				Dk6		@¥/P
	13		13	+ 0.012		
	16	1	16	+ 0.012 + 0.001		
	20	3	20			
TTPNC	TTPNC 25	5	25	+ 0.015 + 0.002	标准型 Standard	
	30		30			
	32	10	32	. 0.040		
	35	10	35	+ 0.018 + 0.002		
	42		42			

☎Order TTPV-D-A°

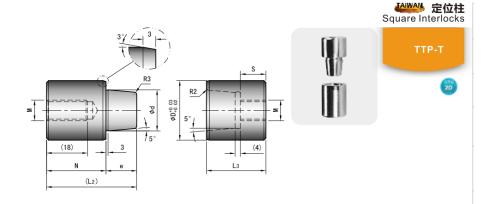
Cidel III V-D-A						
Code			D	Dk6		@¥/P
	13		13	+ 0.012 + 0.001		
	16	1	16	+ 0.001		
	20 TTPV 25	'	20	+ 0.015 + 0.002	单件同轴度 0.01mm以内	
TTPV		3	25			
	30	-	30	. 0.002	0.01mmk/ [A]	
	32	5	32	+ 0.018 + 0.002		
	35		35	+ 0.002		





*如图所示 利用螺栓拧紧 在拉拔螺纹"N1"上, 向外 提起螺栓, 更容于拆卸.

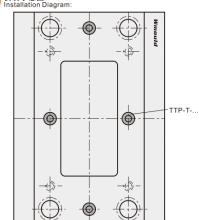
提起螺栓, 更容于拆卸. As shown in the figure above, The bushing can be easily removed by screwing a bolt into its(N1) and extracting it.



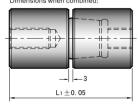
☎Order TTP-T-d

¢ d	ØD		L2	L3	N	е		М	@¥/P
14	20 +0.03	43±0.05	30	25	15	15	5	8	
16	25 +0.03	52±0.05	41	25	24	17	6		
20	30 +0.03	62±0.05	49	30	29	20		10	
25	35 ^{+0.03} _{+0.02}	72±0.05	59	35	34	25	8		

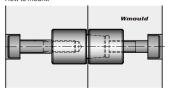




组合高度: Dimensions when combined:



固定方法: How to mount:



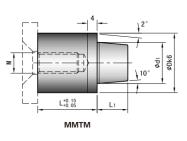


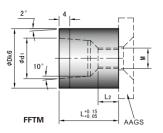
定位柱 🕮 Square Interlocks









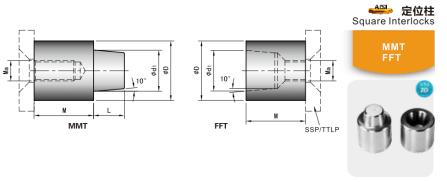


☎ Order MMTM-D-L								
Code						@¥/P		
MMTM-12-15	12	15	7	7	M5			
MMTM-20-21 MMTM-20-31	20	21 31	13	11				
MMTM-25-21 MMTM-25-31 MMTM-25-41	25	21 31 41	16	12	M6			
MMTM-32-30 MMTM-32-50	32	30 50	20	15	M8			
MMTM-42-30	42	30	20	47	IVIO			

🔼 Order 🛭 F	FFTM-D-	L				
Code				L2		@¥/P
FFTM-12-15	12	15	7	12	M5	
FFTM-20-21	20	21	13	20		
FFTM-20-31	20	31	13	20		
FFTM-25-21		21			M6	
FFTM-25-31	25	31	16	25		
FFTM-25-41		41				
FFTM-32-30	32	30	20	32		
FFTM-32-50	32	50	20	32	M8	
FFTM-42-30	42	30	30	42	IVIO	
FFTM-42-50	72	50	50	72		

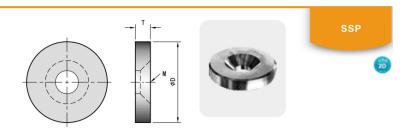


Code	Ød	ØD		FOR	@¥/P
AAGS12	5.5	16		FFT12 MMT12	
AAGS20	6.6	25	5	FFT20 MMT20	
AAGS25	6.6	30		FFT25 MMT25	
AAGS32	0	37	6	FFT32 MMT32	
AAGS42	y	47	0	FFT42 MMT42	



☎ Order MMT-0411									
Code	D + .0000	d1::000	Ma	M ^{+.000}	@¥/P				
MMT-0411 MMT-0414 MMT-0419 MMT-0422	1/2	5/16	#10-24	11/16 7/ 8 1 ³ /16 1 ³ / 8					
MMT-0611 MMT-0614 MMT-0619 MMT-0622	3 /4	1/ 2	1/ 4-20	11/16 7/ 8 1 ³ /16 1 ³ / 8					
MMT-0811 MMT-0814 MMT-0819 MMT-0822	1"	5/ 8	1/ 4-20	11/16 7/ 8 1 ³ /16 1 ³ / 8					
MMT-1218 MMT-1222 MMT-1226	11/2	1"	5/40 40	1 ¹ / 8 1 ³ / 8 1 ⁵ / 8					
MMT-1618 MMT-1622 MMT-1626	2"	1 ¹ /2	5/16-18	1 ¹ / 8 1 ³ / 8 1 ⁵ / 8					

Code	D + .0000		Ma	M ⁺ .000	@¥/P
FFT-0411 FFT-0414				11/16 7/ 8	
FFT-0414 FFT-0419	1 /2	5/16	#10-24	7/ 8 1 ³ /16	
FFT-0419				13/ 8	
FFT-0611				11/16	
FFT-0614				7/ 8	
FFT-0619	3 /4	1/ 2	1/ 4-20	1 ³ /16	
FFT-0622				13/ 8	
FFT-0811		5/ 8		11/16	
FFT-0814	1"			7/ 8	
FFT-0819	1"			13/16	
FFT-0822				13/ 8	
FFT-1218				1 ¹ / 8	
FFT-1222	1 ¹ /2	1"		13/ 8	
FFT-1226	2"		5/16-18	1 ⁵ / 8	
FFT-1618			3/10-10	11/8	
FFT-1622		1 ¹ /2		13/ 8	
FFT-1626				1 ⁵ / 8	



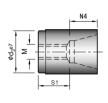
☎Order SSP-04					
Code	MALE OR FEMALE O.D.	ØD			@¥/P
SSP-04	1 /2	11/16		#10-24	
SSP-06	3 /4	1"	11/16	1/ 4-20	
SSP-08	1"	1 ³ /16		1/ 4-20	
SSP-12	1 ¹ /2	111/16	1/ 4	=110.10	
SSP-16	2"	2 ³ /16	17 4	5/16-18	

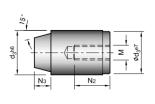






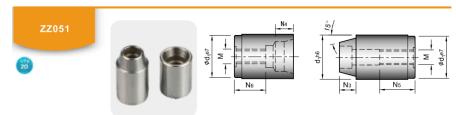






Order ZZ05-12

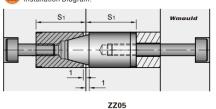
Code							@¥/P
ZZ05-12	8	5	10	16	12	M 4	
ZZ05-14		7	11		14	M 5	
ZZ05-16		,	/ 11		16		
ZZ05-20	13	10	15		20	M 8	
ZZ05-25		11		26	25		
ZZ05-26		10			26		
ZZ05-30	20	14		35	30	M10	
ZZ05-32		14	18	30	32		
7705-42	25	18		45	42		

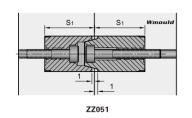


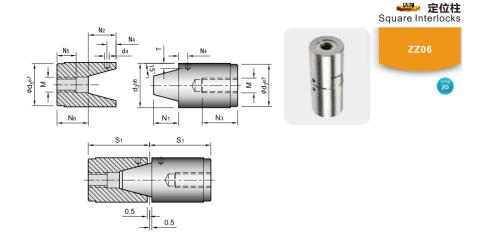
♠ Order ∠∠051-1	Order	ZZ051-12
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Code					N4					安装螺丝	安装螺丝	@¥/P
ZZ051-12	7.5	8	8.5	9.6	5	4.5		12	M 4	M3×16	M3×25	
ZZ051-14	8	7.5	6	12.4	7	6	16	14	M 5	M4×14	M4×25	
ZZ051-16	0	7.5	5.8	12.4	,	0		16	IVI S	10144 144	WH4^23	
ZZ051-20	9.5	12	10.6		10	9		20				
ZZ051-25	11	11	9.2	19.7	11	10	26	25	M 8	M6×20	M6×40	
ZZ051-26	- 11	111	9.2		- ''	10		26				
ZZ051-30		15	12.2	25	16	14	35	30		M8×25		
ZZ051-32	13	15	12.2	25	10	14	33	32	M10	IVIO^23	M8×55	
ZZ051-42		16	16	27	20	18	45	42		M8×30		

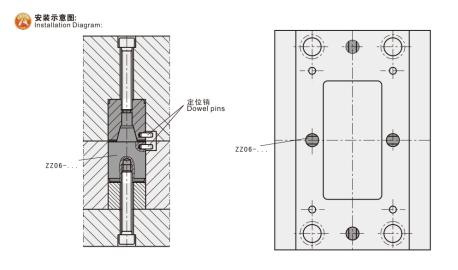












产品专利 PATENT CERTIFICATE



专利号:ZL 2011 2 0456048.5

型号: CCA P416



产品特点:

- 外形设计小巧,安装方便,使用简单;主体、滑块、传动器、杯头螺丝为一套组件,无需加工斜导柱孔及一些繁琐加工,因此可以降低加工成本及加工时间。



专利号: ZL 2012 2 0020043.2



型号: PPW P452

产品特点:

- 结构简单,安装空间要求小,仅为一支顶针的大小;● 安装方便,简化了加工工序,从而节约成本;
- 可单独使用,也可两支配合使用;
- 此款弹弓顶针所有型号都配有垫块与安装螺丝;

弹簧系列 **Springs Series**







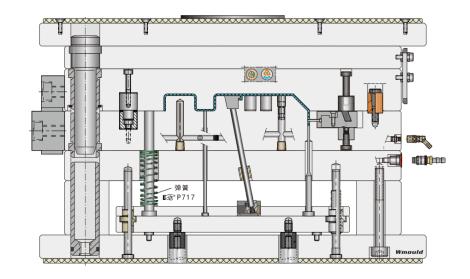






产品概述 Products Summary

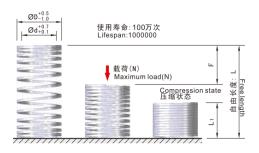
ØD 		JIS	SIL SIL	JIS	JIS	SIL	JIS	Jis			
类型		高压缩量弹簧	中压缩量弹簧	轻小载荷弹簧	轻载荷弹簧	中载荷弹簧	重载荷弹簧	超重载荷弹簧			
颜色		白色	橙色	黄色	蓝色	红色	绿色	棕色			
Code		DSWR	DSWS	DSWF	DSWL	DSWM	DSWH	DSWB			
页码		P694	P698	P702	P707	P712	P717	P722			
外名	Z.D.	Min	10. 5	10. 5	6	6	6	6	6		
7112	Max		50	52	70	70	70	70	70		
4 	长度L	Min	15	20	15	15	10	10	10		
自田	Max		400	300	500	350	350	350	350		
1005	最大压约	宿比例	50%	40%	40%	32%	25. 6%	19. 2%	16%		
100万次 使用寿命	载荷N	载荷N -	载荷N	Min	78. 5	86. 3	47. 1	62. 8	78. 5	109. 8	141. 2
				Max	1323. 9	1569. 1	3138. 1	4785. 6	6668. 5	10199	14122
30万次· 使用寿命	最大压缩比例		55%	45%	50%	40%	32%	24%	20%		
	载荷N	Min	86. 3	97. 1	58. 8	78. 5	98. 1	137. 3	176. 5		
		Max	1456. 3	1765. 2	3922. 6	5982	8335. 6	12749	17652		



高压缩量弹簧(白色) High deflection coil springs

DSWR





载荷计算方法:

当L≤50 则L±0.5 当L≥55 则L±1.5%×L

载荷=压缩量×弹簧常数 N=Fmm×N/mm (kgf=N×0.101972) 载荷误差:±10%

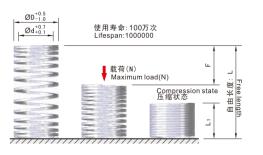
Maximum Iload calculate method:

 $\label{eq:maximum load=compression} $\operatorname{N=Fmm} \times N/\operatorname{mm} (kgf=N \times 0.101972)$$ If L \leqslant 50, Tolerance L \pm 0.5$$ If L \geqslant 55, Tolerance L \pm 1.5\% \times L$$$

Corder DSWR-D-L

			弹簧常数	TWEVE	F=L	<50%	@ V /D
			N/mm	压缩后长度 (mm)	Fmm	载荷N	@¥/P
	15		10.46	6	7.5		
	20		7.84	8	10		
	25		6.27	10	12.5		
	30		5.19	12	15		
	35		4.5	14	17.5		
	40		3.92	16	20		
10.5	45	6	3.53	18	22.5	78.5	
10.5	50	О	3.14	20	25	78.5	
	55		2.84	22	27.5		
	60		2.65	24	30		
	65		2.45	26	32.5		
	65 70		2.25	28	35		
	75		2.06	30	37.5		
	80		1.96	32	40		
	15		11.77	6 8	7.5		
	20		8.82	8	10		
	25		7.06	10	12.5		
	30		5.88	12	15		
	35		5.04	14	17.5		
	40		4.41	16	20		
	45		3.92	18	22.5	88.3	
12.5	50	7	3.53	20	25		
12.5	55	/	3.2	22	27.5		
	60		2.94	24	30 32.5		
	65		2.71	26	32.5		
	70		2.52	28	35		
	75		2.35	30	37.5		
	80		2.21	32	40		
	90		1.96	36	45		
	100		1.96 1.77	40	50		
	15		17 12.7	6 8	7.5		
	20		12.7	8	10		
	25		10.19	10	12.5		
	30	0.5	8.53	10 12	15		
44.5	35		7.25	14	17.5	407.5	
14.5	40	8.5	6.37	16	20	127.5	
	45		5.68	18	20 22.5		
	50		5.09	20	25		
	55		4.6	22	27.5		
	60		4.21	24	30		

高压缩量弹簧(白色) High deflection coil springs





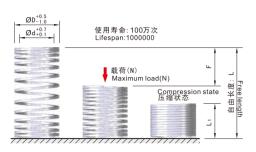
14.5				冲 更吊数	压缩后长度 (mm)	Γ-L/	30 /0	@¥/P
14.5				N/mm	正端/日区/夏(1111)	Fmm	载荷N	W + //-
14.5		0.5		0.00	00		+201011	
14.5				3.92				
14.5		70		3.62	28	35		
80	14.5	75	8.5	3.43	30	37.5	127.5	
90	14.0	00	0.0	0.40	00	40	127.0	
100		00		3.23	32	40		
100		90		2.84	36	45		
125		100		2 54	40	50		
20		100		2.01	50	00 5		
20		125		2.05	50			
20		150		1.7	60	75		
15,69		20		19.61				
30		20		15.01		10		
35		25		15.69	10	12.5		
35		30		13.04	12	15		
40		35		11 17	1.4	17.5		
17		30		11.17	14	17.0		
17		40		9.8	16	20		
17		45		8.72	18	22.5		
17		50		7.04	20			
17 60 10.5 6.57 24 30 196.1 665 668 26 32.5 70 5.58 28 35 70 75 5.59 30 37.5 80 90 4.9 32 40 50 125 150 125 3.13 50 62.5 150 22.4 70 87.5 224 70 87.5 25 16.76 14 17.5 40 14.7 16 20 25 50 10.68 22 27.5 60 60 9.8 24 30 35 75 75 78.4 30 37.5 32 40 10 10 12.5 10 17.5 10 10.68 22 12.5 10.68 22 12.5 10.68 12.5 10				7.04	20	25		
17		55		7.15	22	27.5	106.1	
70	17	60	10.5	6.57	24	30	196.1	
70		GE.	10.0	6.00	26	22 F		
75 5.19 30 37.5 8 90 4.9 32 40 90 100 3.9.92 40 50 50 125 50 150 2.64 60 75 2.24 70 87.5 2.25 40 100 12.5 3.13 50 62.5 50 175 2.24 70 87.5 2.24 70 87.5 2.25 40 10 12.5 30 35 18.61 12 15 30 35 18.61 12 15 30 35 18.67 14 17.5 40 45 11.76 40 45 11.76 40 45 11.76 40 45 45 45 45 45 45 45		65		6.08	26	32.5		
75 5.19 30 37.5 8 90 4.9 32 40 90 100 3.9.92 40 50 50 125 50 150 2.64 60 75 2.24 70 87.5 2.25 30 31.3 50 62.5 50 175 2.24 70 87.5 2.24 70 87.5 2.25 30 35 18.61 12 15 3.35 18.61 12 15 3.35 14.7 16 20 2.5 55 10.68 22 27.5 60 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57 60 60.57		70		5.58	28	35		
80		75		5 19	30	37.5		
100		00		4.0	00	40		
100		80		4.9	32	40		
100		90		4.31	36	45		
125		100		3 92		50		
150		100		0.02		00 5		
175				3.13		62.5		
175		150		2.64	60	75		
25		175		2 24	70	87.5		
35		175		2.24	70	07.5		
35		25		23.54	10			
35		30		19.61	12	15		
40		35		16.76	14	17.5		
45		33		10.70	10	17.5		
50		40		14.7				
50		45		13.04	18	22.5		
55				11.76				
21 66 9.8 24 30 9.8 24 30 9.8 25 294.2 70 8.43 28 35 75 75 80 7.84 30 37.5 75 80 9.0 6.57 36 45 9.0 9.0 110 5.88 40 50 110 5.88 40 50 110 5.39 44 55 120 4.9 4.9 48 60 120 4.51 50 4.5		50		11.70	20	20		
21 65 13.5 9.02 26 32.5 294.2 770 8.43 28 35 75 784 30 37.5 80 90 6.57 36 45 40 90 6.57 36 44 55 120 4.9 48 60 125 4.7 50 62.5 130 4.51 52 65 140 4.21 2.5 60 70 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 8.18 12 15 35 85 85 85 85 85 85 85 85 85 85 85 85 85		55		10.68	22	27.5		
21 65 13.5 9.02 26 32.5 294.2 770 8.43 28 35 75 784 30 37.5 80 90 6.57 36 45 40 90 6.57 36 44 55 120 4.9 48 60 125 4.7 50 62.5 130 4.51 52 65 140 4.21 2.5 60 70 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 2.94 80 100 87.5 200 8.18 12 15 35 85 85 85 85 85 85 85 85 85 85 85 85 85		60		9.8	24	30		
70 8.43 28 35 7.54 30 37.5 80 7.35 32 40 90 6.57 36 45 100 5.88 40 50 110 5.39 44 55 120 4.9 48 60 125 4.7 50 62.5 130 4.51 52 65 140 4.21 56 70 175 3.36 70 87.5 200 2.94 80 100 30 26.18 12 15 30 2.45 14 17.5 40 19.61 62 25 45 17.45 18 22.5 50 16.5 13.04 24 30 392.3 66 70 11.17 28 35 75 10.49 30 37.5	21	65	13.5	9.02	26	32.5	204.2	
75	21	70	15.5	0.02	20		204.2	
80 7.35 32 40 90 6.57 36 45 100 5.88 40 50 110 5.88 40 55 120 4.9 48 60 125 4.7 50 62.5 130 4.51 52 65 140 4.21 56 70 175 3.36 57 200 2.94 80 100 30 26.18 12 15 35 22.45 14 17.5 40 19.61 16 20 45 50 15.69 20 25 55 14.21 22 27.5 50 60 16.5 13.04 24 30 392.3 65 70 11.17 28 35 75 10.49 30 37.5		70			28			
80		75		7.84	30	37.5		
90 6.57 36 45 100 5.88 40 50 110 5.39 44 55 120 4.9 48 60 125 4.7 50 62.5 130 4.51 52 65 140 4.21 56 70 150 3.92 60 75 175 3.36 70 87.5 200 2.94 80 100 30 26.18 12 15 35 22.45 14 17.5 40 19.61 16 20 45 17.45 18 22.5 50 15.69 20 25 55 14.21 22 27.5 50 66 70 11.17 28 35 70 11.17 28 35 70 11.17 28 35 70 11.17 28 35		80		7 35	32			
100		00		7.55	32	40		
110		90		6.57	36	45		
110		100		5.88	40	50		
120				5.30		55		
125 4.7 50 62.5 130 4.51 52 65 65 14.21 22 27.5 66 65 12.06 66 14.01 11.17 28 35 75 10.49		100		4.0	40	00		
130		120		4.9	48	60		
130		125		4.7	50	62.5		
140		130		4.51	52	65		
150 3.92 60 75 175 200 2.94 80 100 30 26.18 12 15 35 40 19.61 17.5 18 22.45 14 17.5 18 22.45 14 17.5 18 22.5 50 15.69 20 25 55 14.21 22 27.5 50 16.5 13.04 24 30 392.3 65 70 11.17 28 35 75 10.49 30 37.5								
175 3.36 70 87.5 200 2.94 80 100 30 26.18 12 15 35 22.45 14 17.5 40 19.61 16 20 45 17.45 18 22.5 50 15.69 20 25 55 14.21 22 27.5 60 16.5 13.04 24 30 392.3 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5				4.21	56	70		
175 3.36 70 87.5 200 2.94 80 100 30 26.18 12 15 35 22.45 14 17.5 40 19.61 16 20 45 17.45 18 22.5 50 15.69 20 25 55 14.21 22 27.5 60 16.5 13.04 24 30 392.3 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		150		3.92	60	75		
200 2.94 80 100 30 30 26.18 12 15 35 40 16.5 16.5 16.5 16.5 16.5 16.5 17.45 18 22.5 50 15.69 20 25 66 16.5 13.04 24 30 392.3 65 70 11.17 28 35 75 10.49 30 37.5				3.36	70	87.5		
30 26.18 12 15 35 35 42.45 14 17.5 40 19.61 16 20 45 55 55 55 55 55 55 55 55 55 55 55 55		000		0.00	70	400		
40		200		2.94		100		
40		30		26.18	12	15		
40		35		22.45	14	17.5		
45 17.45 18 22.5 5 50 15.69 20 25 55 14.21 22 27.5 392.3 65 12.06 26 32.5 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		40		40.04	10	00		
50 15.69 20 25 55 55 14.21 22 27.5 60 16.5 13.04 24 30 392.3 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		40		19.61	16	20		
50 15.69 20 25 55 55 14.21 22 27.5 60 16.5 13.04 24 30 392.3 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		45		17.45	18	22.5		
26 55 16.5 14.21 22 27.5 392.3 66 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		50		15.60	20			
25 60 10.5 13.04 24 30 392.3 65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5		50		10.05	20	20		
65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5	26		16 5		22		202.2	
65 12.06 26 32.5 70 11.17 28 35 75 10.49 30 37.5	20	60	10.0	13.04	24	30	352.3	
70 11.17 28 35 75 10.49 30 37.5		65		12.06	36	22.5		
70 11.17 28 35 75 10.49 30 37.5		00		12.00	26	32.5		
75 10.49 30 37.5		70		11.17				
00		75		10.49	30	37.5		
		90		0.0	32	40		
80 9.8 32 40 90 8.72 36 45		00		9.0	32	40		
90 8.72 36 45		90		8.72	36	45		



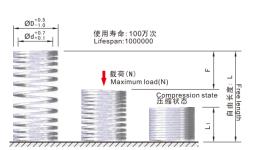
高压缩量弹簧(白色) 🐸 High deflection coil springs

DSWR





	/R-D-L						
D			弹簧常数	压缩后长度 (mm)		×50%	@¥/P
		ď	N/mm		Fmm	载荷N	W + //
	100		7.84	40	50		
	110		7.15	44	55 60		
	120		6.57	48	60		
	125		6.27	50	62.5		
	130		6.08	52	65		
26	140	16.5	5.58	56	70	392.3	
	150		5.19	60	75		
	175		4.51	70	87.5		
	200		3.92	80	100		
	225		3.49	90	112.5		
	250		3.14	100	125		
	35		28.02	14	17.5		
	40		24.51	16	20		
	45		21.77	18	22.5		
	50		19.61	20	25		
	55		17.83	22	27.5		
	60		16.37	24	30		
	65		15.09	26	32.5		
	70		14.02	28	35		
	75		13.08	30	37.5		
	80		12.25	32	40		
	90		10.88	36	45		
	100		9.8	40	50		
	110		8.92	44	55		
31	120	21	8.13	48	60	490.3	
	125		7.84	50	62.5		
	130		7.55	52	65		
	140		6.96	56	70		
	150		6.57	60	75		
	160		6.17	64	75 80		
	170		5.78	68	85		
	175		5.58	70	87.5		
	180		5.49	72	90		
	190		5.19	76	95		
	200		4.9	80	100		
	250		3.92	100	125		
	300		3.23	120	150		
	40		29.41	16	20		
	45		26.18	18	22.5		
	50		23.53	20	25		
	55		21.4	22	27.5		
	60		19.61	24	30		
	65		18.1	26	32.5		
	70		16.76	28	35.5		
	70 75		15.69	30	37.5		
	80		14.7	30	37.5 40		
	90			36	45		
	100		13.04 11.76	40	45 50		
37		26	10.68		55	588.4	
3/	110 120	26	10.68	44 48	60	588.4	
	120 125		9.8	48 50	62.5		
	130		9.02	52	65		
	140		8.43	56	70		
	150		7.84	60	75		
	160		7.35	64	80		
	170		6.96	68	85		
	175		6.76	70	87.5		
	180		6.57	72	90		
	190		6.17	76	95		
	200		5.88	80	100		





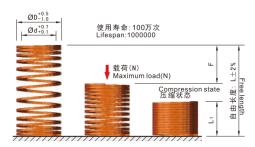
	I I		弾簧常数 口煙に火麻く		E=L	×50%		
			N/mm	─ 压缩后长度 (mm) ├	Fmm	载荷N	@ ¥ /F	
	250		4.7	100	125			
37	300	26	3.92	120	125 150	588.4		
	50		33.34	20	25			
	30			20	20			
	60		27.79	24	30			
	70		23.82	28	35			
	80		20.84	32	40			
	90		18.52	36	45			
	100		16.67	40	50			
	110		15.16	44	55			
				48	60			
	120		13.89	48	60			
	130		12.82	52	65			
43	140	31	11.91	56	70	833.6		
43	150	31	11.11	60	75	033.0		
	160		10.42	64	80			
	170				85			
	1/0		9.81	68	65			
	180		9.26	72	90			
	190		8.77	76	95			
	200		8.34	80	100			
	225		7.41	90	112.5			
	250		6.67	100	125			
	275		6.06	110	137.5			
	2/5		0.00	110	137.5			
	300		5.56	120	150			
	50		43.14	20	25			
	60 70		35.99	24	30			
	70		30.79	28	35			
	80		26.96	32	40			
	90	33	23.92	36	45			
	100			40	50			
			21.57		50			
	110		19.61	44	55			
	120		17.94	48	60			
	125		17.25	50	62.5			
46	130		15.57	52	65	1078.7		
	140		15.39	56	70			
	450				75			
	150		14.41	60				
	175		12.35	70	87.5			
	200		10.78	80	100			
	225		9.61	90	112.5			
	250		8.62	100	125			
	275		7.84	110	137.5			
	200				157.0			
	300		7.15	120	150			
	50		52.96	20	25 30			
	60		44.13	24	30			
	70		37.83	28	35			
	80		33.1	32	40			
	90		29.42	36	45			
	100			40	50			
			26.48		50			
	110		24.07	44	55 60			
	120		22.06	48	60			
	130		20.37	52	65			
	140		18.91	56	70			
50	150	36	17.65	60	75	1323.9		
	130		17.00	70	/ O			
	175		15.13	70	87.5			
	200		13.24	80	100			
	225		11.77	90	112.5			
	250		10.59	100	125			
	275		9.63	110	137.5			
	300		8.83	120	150			
	350		7.57	140	175			
	400		6.62	160	200			



中压缩量弹簧(橙色) ← 描写 Middle deflection coil springs

DSWS





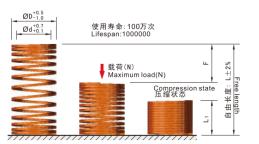
载荷计算方法:

载荷-压缩量×弹簧常数 N=Fmm×N/mm (kgf=N×0.101972) 载荷误差:±20%至-10% Maximum Iload calculate method:
Maximum Iload=compression×spring constant
N=Fmm×N/mm (kgf=N×0.101972)
Maximum Iload Deviation:+20% to -10%

Order DSWS-D-L

	L	d	弹簧常数	压缩后长度 (mm)	F=L	×40%	@¥/P
			N/mm		Fmm	载荷N	@ # /P
	20		10.9	10	8		
	25		8.72	12.5	10		
	30 35		7.26 6.23	15	12 14		
	35		6.23	17.5	14		
	40		5.45	20	16 18		
	45		4.84	22.5	18		
10.5	50	5.5	4.36	25 27.5	20 22	86.3	
	55		3.96	27.5	22		
	60		3.63	30	24		
	65		3.35	32.5	26		
	70		3.11	35	28		
	75		2.91	37.5	28 30		
	80		2.72	40	32		
	20		15.25	10	32 8		
	25		12.2	12.5	10		
	30		10.17	15	12		
	35		8.72	17.5	14		
	40		7.63	20	14 16		
	45		6.78	22.5	18		
12.5	50	6.5	6.1	25	20	121.6	
12.0	55	0.0	5.55	27.5	22	.2.10	
	60		5.55 5.08	30	22 24		
	65		4.69	32.5	26		
	70		4.36	35	28		
	76		4.07	37.5	20		
	75 80		3.81	40	30 32		
	20		24.51	10	32		
	25		19.61	12.5	8 10		
	30		16.37	15.5	12		
	35		14.02	17.5	14		
					14		
	40		12.25	20	16 18		
	45		10.88	22.5	18		
14.5	50	8.5	9.8	25	20 22	196.1	
	55	6.5	8.92	27.5	22		
	60		8.13	30	24		
	65		7.55	32.5	26		
	70		6.96	35	28		
	75		6.57	37.5	30		
	80		6.17	40	30 32 36		
	90		5.49	45	36		

中压缩量弹簧(橙色) Middle deflection coil springs





- ·	
Order	DSWS-D-L

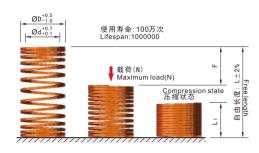
D	L	d	弹簧常数	压缩后长度 (mm)		×40%	@¥/P
		u	N/mm		Fmm	载荷N	@ #/P
	100		4.9	50	40		
14.5	125	8.5	3.92	62.5	50	196.1	
	150		3.27	75	60		
	25		29.41	12.5	10		
	30		24.51	15	12		
	30 35		20.98	15 17.5	12 14		
	40		18.43	20	16		
	45		16.37	22.5	18		
	50		14.7	25	20		
	55		13.33	27.5	22		
	55		13.33	27.5	22		
17	60 65	10.5	12.25	30 32.5	24	294.2	
	65		11.27	32.5	26		
	70		10.49	35	28		
	75		9.8	37.5	30		
	80		9.21	40	32		
	80 90		8.13	40 45	32 36		
	100		7.35	50	40		
	125		5.88	62.5	50		
	150		4.9	75	60		
	30		35.1	15	12		
	35		30.1	17.5	14		
	40		26.37	20	14 16		
	45		23.43	22.5	18		
	50		21.08	25	20		
	50			25	20		
	55		19.12	27.5	22		
	60 65 70		17.55	30	24		
			16.18	32.5	26		
			15.1	35	28		
75		14.02	37.5	30			
21	80	13.5	13.14	40	32	421.7	
	90		11.66	45	36		
	100		10.59	50	40		
	110		9.61	55	44		
	120		8.82	55 60	48		
	125		8.43	62.5	50		
	130		8.13	65	52		
	140		7.55	70	56		
	150		7.00	70	30		
			7.06	75	60		
	175		6.02	87.5	70		
	200		5.27	100	80		
	30		47.36	15	12		
	35		40.59	17.5	14		
	40		35.59	20 22.5	16		
	45		31.57	22.5	18		
	50		28.43	25 27.5	20		
	55		25.88	27.5	22		
	60		23.63	30	24		
	65		21.86	32.5	26		
	70		20.29	35	28		
	70 75		18.92	35 37.5	30		
26	26 75 80 90 100 110 120 125	16.5	17.75	40	32	568.8	
			17.75	40 45	32		
			15.78	45	36		
			14.21	50	40		
			12.94	55	44		
			11.86	60	48		
			11.37	62.5	50		
	130		10.98	65	52		
	140		10.19	70	56		
	150		9.51	75	60		
				87.5			



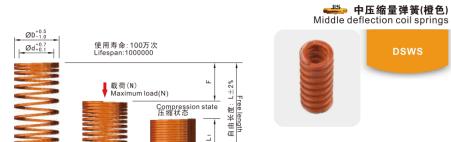
中压缩量弹簧(橙色) 🕮 Middle deflection coil springs

DSWS





☎ Order DSW			弹簧常数		F=L	×40%	
D			N/mm	压缩后长度(mm)	Fmm	载荷N	@¥/P
	200		7.15	100	80	#X191V	
26	225	16.5	6.32	112.5	90	568.8	
20	250	10.5	5.69	125	100	300.0	
	40		49.03	20	16		
	45		43.54	22.5	18		
	45 50		39.22	25	18 20		
	55		35.66	27.5	22		
	60		32.65	30	22 24		
	65		30.17	32.5	26		
	70		28.04	35	28		
	75		26.15	37.5	30 32		
	80		24.51	40	32		
	90 100		21.77	45	36 40 44		
	100		19.61	50	40		
31	110	21	17.84	55	44	784.5	
Ů,	120		16.37	60	48	704.0	
	125		15.69	62.5	50		
	130		15.1	65	52		
	140		14.02	70	56 60		
	150		13.04	75	60		
	160		12.25	80	64 68		
	170		11.57	85	68		
	175		11.17	87.5	70		
	180		10.88	90	72		
	190		10.29	95	76		
	200		9.8	100	80		
	250		7.84	125	100		
	300		6.57	150	120		
	40		52.07	20	16		
	45		46.28	22.5	18		
	50 55		41.67	25 27.5	20 22		
	55		37.89	27.5	22		
	60 65		34.71 32.06	30 32.5	24 26		
	70		29.81	32.5	28		
	75		27.79	37.5	30		
	80		26.08	40	32		
	90		23.14	45	36		
	100		20.88	50	40		
	110		18.92	55	44		
37	120	26	17.35	60	44	833.6	
37	125	20	16.67	62.5	48 50	033.0	
	130		15.98	65	52		
	140		14.9	70	56		
	150		13.92	75	60		
	160		13.04	75 80	64		
	170		12.25	85	68		
	175		11.86	87.5	70		
	180		11.57	90	72		
	190		10.98	95	76		
	200		10.39	100	80		
	250		8.33	125	100		
	300		6.96	150	120		
	50		50.01	25	20		
	60		41.68	30	24		
	70		35.72	35	28		
44.5	80	31	31.26	40	32	1000.3	
	90		27.79	45	36		
	100		25.01	50	40		
	110		22.73	55	44		



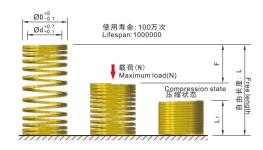
			弹簧常数	TWELVEY \	F=L	×40%	@ V //
			N/mm	─ 压缩后长度 (mm) -	Fmm	载荷N	@¥/F
	120		20.84	60	48		
	130		19.24	65	52		
	140		17.86	70	56		
	150		16.67	75	60		
	160		15.63	80	64		
	170		14.71	85	68		
44.5	180	31	13.89	90	72	1000.3	
	190		13.16	95	76		
	200		12.5	100	80		
	225		11.11	112.5	90		
	250		10	125	100		
	275		9.09	137.5	110		
	300		8.34		120		
	50		63.74	150 25	20		
	60		53.15	30	24		
	60 70		45.5	35	28		
	80		39.81	40	32		
	90		35.4	45	36		
					40		
	100		31.87	50	44		
	110 120		28.92	55			
			26.57	60	48		
46	125	33	25.49	62.5	50	1274.9	
17	130 140 150		24.51	65	52		
			22.75	70	56		
			21.28	75	60		
	175		18.24	87.5	70		
	200		15.98	100	80		
	225		14.12	112.5	90		
	250		12.74	125	100		
	275		11.57	137.5	110		
	300		10.59	150	120		
	60		65.38	30	24		
	70		56.04	35	28		
	80		49.03	40	32		
	90		43.58	45	36		
	100		39.23	50	40		
	110		35.66	55	44		
	120		32.69	60	48		
52	130	37	30.17	65	52	1569.1	
	140		28.02	70	56		
	150		26.15	75	60		
	175		22.42	87.5	70		
	200		19.61	100	80		
	225		17.43	112.5	90		
	250		15.69	125	100		
	275		14.26	137.5	110		
	300		13.08	150	120		



轻小载荷弹簧(黄色) 456 Light Load Coil Springs

DSWF





载荷计算方法:

当L≥55 则L±1%×L

载荷=压缩量×弹簧常数 N=Fmm×N/mm (kgf=N×0.101972) 载荷误差:±10% 当D=70则D::¹⁰ 当L≤50则L±0.5

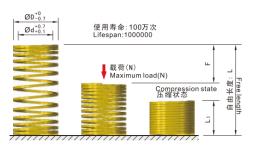
Maximum Iload calculate method:

Maximum Iload=compression×spring constant N=Fmm×N/mm (kgf=N×0.101972) Maximum Iload Deviation: \pm 10% If D=70, Tolerance D: $_{-}^{+0}$ 1 If D \leq 50, Tolerance L \pm 0.5 If D \geqslant 55, Tolerance \pm 1%×L

Corder DSWF-D-L

	L	d	弹簧常数	压缩后长度	F=L	×40%	F=L:	×45%	F=L	×50%	e v /p		
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/P		
	15		7.85	7.1	6		6.8		7.5				
	20		5.88	9.5	8		9		10				
	25		4.71	11.9	10		11.3		12.5				
6	25 30	3	3.92	14.2	12	47.1	13.5	53	15	58.5			
	35		3.33	16.6	14		15.8		17.5				
	40		2.94	19	16		18		20				
	15		10.8	6.8	6		6.8		7.5				
	20		7.8	9	8		9		10				
	25		6.28	11.3	10		11.2		12.5				
	30		5.2	13.5	12		13.5		15				
	35		4.51	15.8	14		15.7		17.5				
	40		3.92	18	16		18		20				
	45		3.53	20.3	18		20.2		22.5				
8	50	4	3.14	22.5	20	58.8	22.5	68.6	25	78.5			
	55		2.84	24.8	22		24.7		27.5				
	60			27	24		27		30				
	65		2.26	30.8	26		29.3		32.5				
	70		2.1	33.2	28		31.5		35				
	75		1.96	35.6	30		33.8		37.5				
	75 80		1.84	37.9	32		36		40				
	15		13.1	6.8	6		6.8		7.5				
	20		9.8	9	8		9		10				
	25		7.8	11.3	10		11.2		12.5				
	30		6.9	13.5	12		13.5		15				
	35		5.9	15.8	14		15.7		17.5				
	40		4.9	18	16		18		20				
	45		4.0	20.3	18		20.2		22.5				
10	50	5	3.9	22.5	20	78.5	22.5	88.3	25	98.1			
	55			24.8	22		24.7	00.0	27.5				
	60			27	24		27		30				
	65			29.3	26		29.3		32.5				
	70		2.9	31.5	28		31.5		35				
	75		2.0	33.8	30		33.7		37.5				
	80			36	32		36		40				
	90		2.2	40.5	36		40.5		40.5				
	20		13.7	9	8		9		10				
	25		10.8	11.3	10		11.2		12.5				
12	30	6	6	6	8.8	13.5	12	107.9	13.5	127.5	15	137.3	
	30 35 40	·	7.8	15.8	14	.07.0	15.7	/.0	17.5	.57.0			
					6.9	18	16		18		20		

軽小载荷弹簧(黄色)Light Load Coil Springs







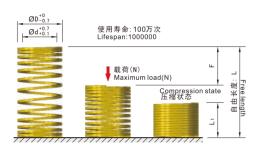
	DSWF-D-L		弹簧常数	TWELT	E-I	×40%	E-I	×45%	E=1:	×50%	
			坪東市奴 N/mm	压缩后长度 (mm)	Fmm	载荷N	Fmm	载荷N	Fmm	表 載荷N	@¥/I
	45		5.9	20.3	18		20.2		22.5		
	50		5.9	22.5	20		22.5		25		
	55		4.0	24.8	22		24.7		27.5		
	60		4.9	27	24		27		30		
12	65	6		29.3	26	107.9	29.2	127.5	32.5	137.3	
	70		3.9	31.5	28		31.5		35		
	75			33.8	30		33.7		37.5		
	80		2.9	36	32		36		40		
	90		3.1	40.5	36		40.5		45		
	25		13.7	11.3	10		11.2		12.5		
	30		11.8	13.5	12		13.5		15		
	35		9.8	15.8	14		15.7		17.5		
	40		8.8	18	16		18		20		
	45		7.8	20.3	18		20.2		22.5		
	50			22.5	20		22.5		25		
	55		6.9	24.8	22		24.7		27.5		
14	60	7		27	24	137.3	27	156.9	30	176.5	
	65		5.9	29.3	26		29.2		32.5		
	70				28		31.5		35		
			4.9	31.5	30				35		
	75			33.8			33.7	37.5 40 45	37.5		
	80		3.9	36	32		36				
	90			40.5	36		40.5				
	100		3.5	45	40		45		50		
	25		16.7	11.3	10		11.2		12.5		
	30		13.7	13.5	12		13.5		15		
	35		11.8	15.8	14		15.7		17.5		
	40		10.8	18	16		18		20		
	45		8.8	20.3	18		20.2		22.5		
	50		7.8	22.5	20		22.5		25		
	55			24.8	22		24.7	186.3	27.5	205.0	
16	60	8	6.9	27	24	166.7	27		30	205.9	
	65			29.3	26		29.2		32.5		
	70		5.9	31.5	28		31.5		35		
	75			33.8	30		33.7		37.5		
	80		4.9	36	32		36		40		
	90			40.5	36		40.5		45		
	100		3.9	45	40		45		50		
	125		3.3	56.3	50		56.3		62.5		
	25		20.6	11.3	10		11.2		12.5		
	30		16.7	13.5	12		13.5		15		
	35		14.7	15.8	14		15.7		17.5		
	40		12.7	18	16		18		20		
	45		11.8	20.3	18		20.2		22.5		
	50		9.8	22.5	20		22.5		25		
	55			24.8	22		24.7		27.5		
18	60	9	8.8	27	24	205.9	27	225.6	30	255	
	65		7.8	29.3	26		29.2		32.5		
	70			31.5	28		31.5		35		
	75		6.9	33.8	30		33.7		37.5		
	80		0.0	36	32		36		40		
	90		5.9	40.5	36		40.5		45		
	100		4.9	45	40		45		50		
	125	4.9 45 40 3.9 56.3 50	56.3		62.5						
	25						11.2		12.5		
	30			13.5		15.5					
		10.6 45.0 14									
20	35	11	18.6	15.8	14		15.7	284.4	17.5	313.8	
	40			15.7 18 16	18 20.2		20 22.5	313.0			
	45	13.7 20.3 18									



轻小载荷弹簧(黄色) Light Load Coil Springs

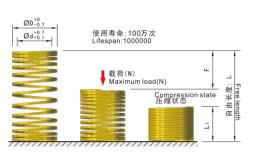
DSWF





D			弹簧常数	压缩后长度	F=L	×40%		×45%		×50%	@¥/F
U		u	N/mm			载荷N	Fmm	载荷N	Fmm	载荷N	W # /r
	55		11.8	24.8	22		24.7		27.5		
	60		10.8	27	24		27		30		
	65		9.8	29.3	26		29.2		32.5		
	70		8.8	31.5	28		31.5		35		
20	75			33.8	30	255	33.7	284.4	37.5	313.8	
	80		7.8	36	32		36		40	0.010	
	90		6.9	40.5	36		40.5		45		
	100		5.9	45	40		45		50		
	125		4.9	56.3	50		56.2		62.5		
	150		3.9	67.5	60		67.5		75		
	25		31.4	11.3	10		11.2		12.5		
	30		26.5	13.5	12		13.5		15		
	35	11	22.6	15.8	14		15.7		17.5		
	40		19.6	18	16		18		20		
	45		17.7	20.3	18		20.2		22.5		
	50		15.7	22.5	20		22.5		25		
	55 60		14.7	24.8 27	22 24		24.7 27		27.5 30		
22	65		12.7 11.8	29.3	26	313.8	29.2	353	32.5	392.3	
	70			31.5	28		31.5		35.5		
	75		10.8	33.8	30		33.7		37.5		
	80		9.8	36	32		36		40		
	90		8.8	40.5	36		40.5		45		
	100		7.8	45	40		45		50		
	125		5.9	56.3	50		56.2		62.5		
	150		4.9	67.5	60		67.5		75		
	25		39.2	11.3	10		11.2		12.5		
	30		32.4	13.5	12		13.5		15		
	35		28.4	15.8	14		15.7		17.5		
	40		24.5	18	16		18		20		
	45		21.6	20.3	18		20.2		22.5		
	50		19.6	22.5	20		22.5		25		
	55		17.7	24.8	22		24.7		27.5		
	60		16.7	27	24		27		30		
0.5	65		14.7	29.3	26	000.0	29.2		32.5	490.3	
25	70		13.7	31.5	28	392.3	31.5	441.3	35	490.3	
	75		12.7	33.8	30		33.7		37.5		
	80		11.8	36	32		36		40		
	90		10.8	40.5	36		40.5		45		
	100		9.8	45	40		45		50		
	125		8.8	56.3	50		56.2		62.5		
	150		7.8	67.5	60		67.5		75		
	175	13.5	5.9	78.8	70		78.7		87.5		
	200		4.9	90	80		90		100		
	25		47.1	11.3	10		11.2		12.5		
	30		39.2	13.5	12		13.5		15		
	35		33.3	15.8	14		15.7		17.5		
	40		29.4	18	16		18		20		
	45		26.5	20.3	18		20.2		22.5		
	50		23.5	22.5	20		22.5		25		
07	55		21.6	24.8	22	470.7	24.7	500.0	27.5	500.4	
27	60		19.6	27	24	470.7	27	529.6	30	588.4	
	65		17.7	29.3	26		29.2		32.5		
	70		16.7	31.5	28 30		31.5		35		
	75		15.7	33.8			33.7		37.5		
	80 90		14.7 12.7	36 40.5	32 36		36 40.5		40		
	100		11.8	40.5	40		40.5		45 50		
	100		9.8	56.3	50		56.2		62.5		







	DSWF-D-L		2首 4年 405 米5	per colored to make	E-L	×40%	E-I	×45%	E-1	×50%	1
D	l L	d	弹簧常数	压缩后长度							@¥/
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载何N	0
	150		7.8	67.5	60		67.5		75		
27	175	13.5	6.9	78.8	70	470.7	78.7	529.6	87.5	588.4	
	200		5.9	90	80		90		100		
	25		56.9	11.3	10		11.2		12.5		
	30		47.1	13.5	12		13.5		15		
	35		40.2	15.8	14		15.7		17.5		
	40		35.3	18	16		18		20		
	45		31.4	20.3	18		20.2		22.5		
	50		28.4	22.5	20		22.5		25		
	55		25.5	24.8	22		24.7		27.5		
	60		23.5	27	24		27		30		
	65		21.6	29.3	26		29.2		32.5		
30	70	16	20.6	31.5	28	568.8	31.5	637.4	35	706.1	
	75		18.6	33.8	30		33.7		37.5		
	80		17.7	36	32		36		40		
	90		15.7	40.5	36		40.5		45		
	100		13.7	45	40		45.5		50		
	125		11.8	56.3	50		56.2		62.5		
	150		9.8	67.5	60		67.5		75 87.5		
	175		7.8	78.8	70		78.7				
	200		6.9	90	80		90		100		
	40		48.1	18	16		18		20		
	45		42.2	20.3	18		20.2		22.5		
	50		38.2	22.5	20		22.5		25		
	55		34.3	24.8	22		24.7		27.5		
	60		32.3	27	24		27		30	<u>較荷N</u> 588.4 706.1 1255.3	
	65		29.4	29.3	26		29.2		32.5		
	70		27.5	31.5	28		31.5		35		
35	75	19	25.5	33.8	30	764.9	33.7	863	37.5	961.1	
	80		24.5	36	32		36		40		
	90		21.6	40.5	36		40.5		45		
	100		19.6	45	40		45		50		
	125		14.7	56.3	50		56.2		62.5		
	150		12.7	67.5	60		67.5		75		
	175		10.8	78.8	70		78.7		87.5		
	200		9.8	90	80		90		100		
	40		62.8	18	16		18		20		
	45		55.6	21.3	18		20.2		22.5		
	50		50	22.5	20		22.5		25		
	55		45.5	26.1	22		24.8		27.5		
			45.5	26.1	22		24.8		30		
	60								32.5		
	65		38.5	30.8	26		29.3				
40	70	00	36.3	31.5	28	4000.0	31.5	4407.6	35	4055.0	
40	75	22	33.3	35.6	30	1000.3	33.8	1127.8	37.5	1255.3	
	80		31.4	36	32		36		40		
	90		27.5	40.5	36		40.5		45		
	100		25.5	45	40		45		50		
	125		19.6	56.3	50		56.2		62.5	961.1 1255.3	
	150		16.7	67.5	60		67.5		75		
	175		14.7	78.8	70		78.7		87.5		
	200		12.4	90	80		90		100		
	225		11.2	101	90		101.3		112.5		
	250		9.8	112.5	100		112.5		125		
	275		9.1	124	110		123.8		137.5		
	300		8.3	142.2	120		135		150		
	50		78.5	22.5	20		22.5		25		
	55		71.3	24.8	22		24.8		27.5		
50	60	27.5	65.7	27	24	1569.1	27	1765.2	30	1961.3	
	65		60.3	29.3	26		29.3		32.5		

9.8

7.8

94.8 118.5

142.2

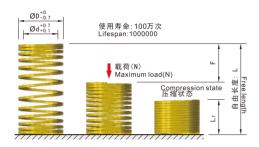
200

300



Corder DSWF-D-L





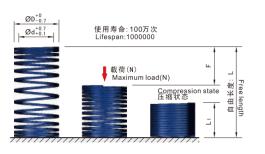
D	L	d	弹簧常数	压缩后长度	F=L	40%	F=L	×45%	F=L	×50%	@¥/P
			N/mm	(mm)		载荷N	Fmm	载荷N	Fmm	载荷N	@ # /P
	70		11.8	31.5	28		31.5		35		
	75		10.8	33.8	30		33.8		37.5		
	80		9.8	36	32		36		40		
	90		8.8	40.5	36		40.5		45		
	100		0.0	45	40		45		50		
	125		7.8	56.3	50		56.2		62.5		
	150		6.9	67.5	60		67.5		75		
	175		5.9	78.8	70		78.7		87.5		
50	200	27.5	4.9	90	80	1569.1	90	1765.2	100	1961.3	
	225		3.9	101	90		101.3		112.5		
	250		31.4	112.5	100		112.5		125		
	275		26.5	124	110		123.8		137.5		
	300		22.6	135	120		135		150		
	350		19.6	165.9	140		157.5		175		
	400		17.7	189.6	160		180		200		
	450		15.7	213.3	180		202.5		225		
	500		14.7	237	200		225		250		
	60		12.7	27	24		27		30		
	70		11.8	31.5	28		31.5		35		
	80		10.8	36	32		36		40		
	90		10.6	40.5	36		40		45		
	100		9.8	45	40		45		50		
	125		8.8	56.3	50		56.2		62.5		
	150		7.8	67.5	60		67.5		75		
60	175	33	5.9	78.8	70	2255.5	78.7	2539.9	87.5	2824.3	
	200		4.9	90	80		90		100		
	250		39.2	112.5	100		112.5		125		
	300		32.4	135	120		135		150		
	350		28.4	165.9	140		157.5		175		
	400		24.5	189.6	160		180		200		
	450		21.6	213.3	180		202.5		225		
	500		19.6	237	200		225		250		
	70		17.7	33.2	28		31.5		35		
	80		16.7	37.9	32		36		40		
	90		14.7	42.7	36		40		45		
	100		13.7	47.4	40		45		50		
	125		12.7	59.3	50		56.2		62.5		
70	150	38.5	11.8	71.1	60	3138.1	67.5	3530.4	75	3922.6	
	175		10.8	83	70		78.7		87.5		
	200		0.0	04.0	90		00		100		

120

112.5

135 157.5

➡ 轻载荷弹簧(蓝色)
Light Load Coil Springs





载荷计算方法:

载荷=压缩量×弹簧常数

N=Fmm×N/mm (kgf=N×0.101972)

载荷误差:±10% 当D=70 则D:+0

当L≤50 则L±0.5 当L≥55 则L±1%×L

Maximum Iload calculate method:

Maximum Iload=compression×spring constant N=Fmm×N/mm (kgf=N×0.101972) Maximum Iload Deviation:±10% If D=70, Tolerance D: +0 If D≤50, Tolerance L±0.5 If D≥55,ToleranceL±1%×L

☎Order DSWL-D-L

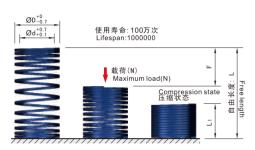
	DSWE-D-E		弹簧常数	TWC V rb	E-1 :	×32%	E-1	×36%	E-I	×40%	
			开页市双 N/mm	压缩后长度 (mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@ ¥ /P
	15		13.04	8.6	4.8	\$X10JIN	5.4	4次10月19	6	\$X 10J IN	
	20		9.81	11.5	6.4		7.2		8		
	25		7.85	14.4	8		9		10		
6	30	3	6.57	17.2	9.6	62.8	10.8	70.6	12	78.5	
	35		5.59	20.1	11.2		12.6		14		
	40		4.9	23	12.8		14.4		16		
	15		16.7	8.1	4.8		5.4		6		
	20		12.7	10.8	6.4		7.2		8		
	25		9.8	13.5	8		9		10		
	30		7.8	16.2	9.6		10.8		12		
	35		6.9	18.9	11.2		12.6		14		
	40		5.9	21.6	12.8		14.4		16		
	45			24.3	14.4	70.5	16.2		18	00.4	
8	50	4	4.9	27	16	78.5	18	88.3	20	98.1	
	55			29.7	17.6		19.8		22		
	60		3.9	32.4	19.2		21.6		24		
	65		3.77	37.3	20.8		23.4		26		
	70		3.5	40.2	22.4		25.2		28		
	75		3.3	43.1	24		27		30		
	80		3.1	45.9	25.6		28.8		32		
	15		22.9	8.1	4.8		5.4		6		
	20		17.7	10.8	6.4		7.2		8		
	25		13.7	13.5	8		9		10		
	30		11.8	16.2	9.6		10.8		12		
	35		9.8	18.9	11.2		12.6		14		
	40		8.8	21.6	12.8		14.4		16		
	45		7.8	24.3	14.4		16.2		18		
10	50	5	6.8	27	16	107.9	18	127.5	20	137.3	
	55		5.9	29.7	17.6		19.8		22		
	60		5.5	32.4	19.2		21.6		24		
	65			35.1	20.8		23.4		26		
	70		4.9	37.8	22.4		25.2		28		
	75			40.5	24		27		30		
	80		3.9	43.2	25.6		28.8		32		
	90		3.8	48.6	28.8		32.4		36		
	20		25.5	6.4	6.4		7.2		8		
	25		20.6	8	8		9		10		
12	30	6	17.7	9.6	9.6	166.7	10.8	186.3	12	205.9	
	35		14.7	11.2	11.2		12.6		14		
	40		12.7	12.8	12.8		14.4		16		



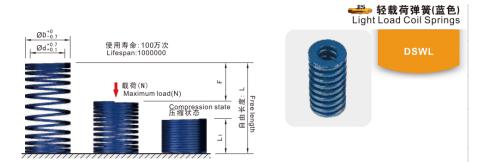
轻载荷弹簧(蓝色) ← Light Load Coil Springs

DSW





Order	DSWL-D-L										
D	L	d	弹簧常数	压缩后长度	F=L	×32%	F=L	×36%	F=L	×40%	@¥/P
U			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@ # /P
	45 50		11.8 10.8	24.3 27	14.4 16		16.2 18		18 20		
	55		9.8	29.7	17.6		19.8		22		
40	60		8.8	32.4	19.2	400.7	21.6	400.0	24	005.0	
12	65 70	6	7.8	35.1 37.8	20.8 22.4	166.7	23.4 25.2	186.3	26 28	205.9	
	75			40.5	24		25.2		30		
	80		6.8	43.2	25.6		28.8		32		
	90		5.7	48.6	28.8		32.4		36		
	25		27.5	13.5	8		9		10		
	30		22.6	16.2	9.6		10.8		12		
	35		19.6	18.9	11.2		12.6		14		
	40		17.7	21.6	12.8		14.4		16		
	45		15.7	24.3	14.4		16.2		18		
	50		13.7	27	16		18		20		
	55		12.7	29.7	17.6		19.8		22		
14	60	7	11.8	32.4	19.2	215.7	21.6	245.2	24	274.6	
	65		10.8	35.1	20.8		23.4		26		
	70		9.8	37.8	22.4		25.2		28		
	75			40.5	24		27		30		
	80		8.8	43.2	25.6		28.8		32		
	90		7.8	48.6	28.8		32.4		36		
	100		6.9	54	32		36		40		
	25		34.3	13.5	8		9		10		
	30		28.4	16.2	9.6		10.8		12		
	35		24.5	18.9	11.2		12.6		14		
	40		21.6	21.6	12.8		14.4		16		
	45	18.6	24.3	14.4		16.2		18			
	50		17.7	27	16		18		20		
	55		15.7	29.7	17.6		19.8		22		
16	60	8	14.7	32.4	19.2	274.6	21.6	313.8	24	343.2	
	65		12.7	35.1	20.8		23.4		26		
	70			37.8	22.4		25.2		28		
	75		11.8	40.5	24		27		30		
	80		10.8	43.2	25.6		28.8		32		
	90		9.8	48.6	28.8		32.4		36		
	100		8.8	54	32		36		40		
	125		6.9	67.5	40		32.4		50		
	25		42.2	13.5	8		9		10		
	30		35.3	16.2	9.6		10.8		12		
	35		30.4	18.9	11.2		12.6		14		
	40		26.5	21.6	12.8		14.4		16		
	45		23.5	24.3	14.4		16.2		18		
	50		21.6	27	16		18		20		
18	55	0	19.6 17.7	29.7	17.6	222.4	19.8	202.5	22	421.7	
16	60 65	9	16.7	32.4 35.1	19.2 20.8	333.4	21.6	382.5	24 26	421.7	
	70			37.8			23.4				
	75		14.7 13.7	40.5	22.4 24		25.2 27		28 30		
	80		12.7	43.2	25.6		28.8		32		
	90		11.8	48.6	28.8		32.4		36		
	100		9.8	54	32		36		40		
	125		8.4	67.5	40		45		50		
	25		53	13.5	8		9		10		
	30		44.1	16.2	9.6		10.8		12		
	35		37.3	18.9	11.2		12.6		14		
20	40	10	33.3	21.6	12.8	421.7	14.4	407.7	16	529.6	
	45		29.4	24.3	14.4		16.2		18		
	50		26.5	27	16		18		20		



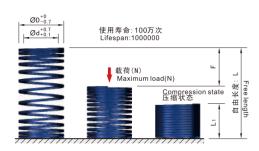
		l .	弹簧常数	压缩后长度	F=L	×32%	F=L	.×36%	F=L	×40%	
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/
	55		23.5	29.7	17.6	450 1-91	19.8	400 1-01-0	22	4201-311	
	60		21.6	32.4	19.2		21.6		24		
	65			35.1			23.4		26		
			20.6		20.8						
	70		18.6	37.8	22.4		25.2		28		
20	75	10	17.7	40.5	24	421.7	27	470.7	30 32	529.6	
20	80	10	16.7	43.2	25.6	421.7	28.8	4/0./	32	329.0	
	90		14.7	48.6	28.8		32.4		36		
	100		12.7	54	32		36		40		
	125		10.8	67.5	40		45		50		
	150		8.8	81	48		54		60		
					8		9				
	25		66.7	13.5					10		
	30		54.9	16.2	9.6		10.8		12		
	35		47.1	18.9	11.2		12.6		14		
	40		41.2	21.6	12.8		14.4		16		
	45		37.3	24.3	14.4		16.2		18		
	50		33.3	27	16		18		20		
	55		30.4	29.7	17.6		19.8		22		
22	60	11	27.5	32.4	19.2	529.6	21.6	588.4	24	657	
	65		25.5	35.1	20.8		23.4	00011	26		
	70		23.5	37.8	22.4		25.2		28		
	75		21.6	40.5	24		27		30		
	80		20.6	43.2	25.6		28.8		32		
	90		18.6	48.6	28.8		32.4		36		
	100		16.7	54	32		36		40		
	125		12.7	67.5					50		
					40		45				
	150		10.8	81	48		54		60		
	25		82.4	13.5	8		9		10		
	30		68.6	16.2	9.6		10.8		12		
	35		58.8	18.9	11.2		12.6		14		
	40		51	21.6	12.8		14.4		16		
	45		46.1	24.3	14.4		16.2		18		
	50		41.2	27	16		18		20		
				20.7							
	55		37.3	29.7	17.6		19.8		22 24		
	60		34.3	32.4	19.2		21.6				
25	65	12.5	31.4	35.1	20.8	657	23.4	735.5	26	823.8	
20	70	12.0	29.4	37.8	22.4	007	25.2	700.0	28	020.0	
	75		27.5	40.5	24		27		30		
	80		25.5	43.2	25.6		28.8		32		
	90		22.6	48.6	28.8		32.4		36		
	100		20.6	54	32		36		40		
	125		16.7	67.5	40		45		50		
	150		13.7	81	48		54		60		
	175		11.8	94.5	56		63		70		
	200		10.3	108	64		72		80		
	25		98.1	13.5	8		9		10		
	30		81.4	16.2	9.6		10.8		12		
	35		69.6	18.9	11.2		12.6		14		
	40		61.8	21.6	12.8		14.4		16		
	45		54.9	24.3	14.4		16.2		18		
	50		49	27	16		18		20		
	55		44.1	29.7	17.6		19.8		22		
27	60	13.5	41.2	32.4	19.2	784.5	21.6	882.6	24	980.7	
	65		37.3	35.1	20.8		23.4		26		
	70		35.3	37.8	22.4		25.2		28		
	75		32.4	40.5	24		27		30		
	75								30		
	80		30.4	43.2	25.6		28.8		32		
	90		27.5	48.6	28.8		32.4		36		
	100		24.5	54	32		36		40		
	125		19.6	67.5	40		45		50		



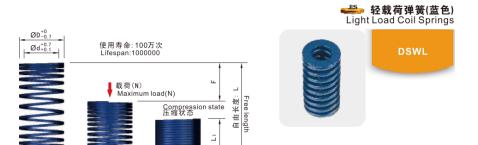
轻载荷弹簧(蓝色) → S Light Load Coil Springs

DSW





☎ Order	DSWL-D-L										
			弹簧常数	压缩后长度	F=L	×32%	F=L	×36%	F=L	×40%	- N / ID
D			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/P
	150		16.7	81	48		54		22		
27	175	13.5	13.7	94.5	56	784.5	63	882.6	24	980.7	
	200		12.3	108	64		72		26		
	25		118.7	13.5	8		9		28		
	30		99	16.2	9.6		10.8		30		
	35		85.3	18.9	11.2		12.6		32		
	40		74.5	21.6	12.8		14.4		36		
	45		65.7	24.3	14.4		16.2		40		
	50		59.8	27	16		18		50		
	55		53.9	29.7	17.6		19.8		60		
	60		49	32.4	19.2		21.6		10		
30	65	45	46.1	35.1	20.8	951.2	23.4	1068.9	12	1186.6	
30	70	15	42.2	37.8	22.4	951.2	25.2	1068.9	14	1186.6	
	75		39.2	40.5	24		27		16		
	80		37.3	43.2	25.6		28.8		18		
	90		33.3	48.6	28.8		32.4		20		
	100		29.4	54	32		36		22		
	125		23.5	67.5	40		45		24		
	150		19.6	81	48		54		26		
	175		16.7	94.5	56		63		28		
	200		14.7	108	64		72		30		
	40		101	21.6	12.8		14.4		32		
	45		90.2	24.3	14.4		16.2		36		
	50		81.4	27	16		18		40		
	55		73.5	29.7	17.6		19.8		50		
	60		67.7	32.4	19.2		21.6		60		
	65		61.8	35.1	20.8		23.4		10		
	70		57.9	37.8	22.4		25.2		12		
35	75	17.5	53.9	40.5	24	1294.5	27	1461.2	14	1618.1	
55	80	17.5	51	43.2	25.6	1204.0	28.8	1401.2	16	1010.1	
	90		45.1	48.6	28.8		32.4		18		
	100		40.2	54	32		36		20		
	125		32.4	67.5	40		45		22		
	150		27.5	81	48		54		24		
	175		23.5	94.5	56		63		26		
	200		20.6	108	64		72		28		
	40		132.4	21.6	12.8		14.4		30		
	45		117.8	24.3			16.2		32		
	50		105.9	27	14.4		18		36		
	55		96.4	29.7	16 17.6		19.8		40		
	60		88.3	32.4			21.6		50		
	65		81.6	35.1	19.2 20.8		23.4		60		
	70		75.5	37.8	22.4		25.2		70		
	75		70.7	40.5			27		80		
	80		66.7	43.2	24		28.8		10		
40	90	20	58.8	48.6	25.6 28.8	1696.6	32.4	1902.5	12	2118.2	
40		20		54		1090.0		1902.5		2110.2	
	100 125		53 42.2	67.5	32 40		36 45		14 16		
	150		35.3	81	48		54		18		
	175		30.4	94.5	48 56		63		20		
	200		26.5	108			72		20		
	225		23.5	122	64		81		24		
	250				72		90				
	275		21.6	135 149	80		99		26 28		
			19.3		88				20		
	300		17.7	172.2	96		108		30 32		
	50		165.7	27	16		18				
50	55 60	25	150.7	29.7	17.6	2647.8	19.8	2981.2	36	3314.6	
			138.3	32.4	19.2		21.6		40 50		
	65		127.5	35.1	20.8		23.4		50		



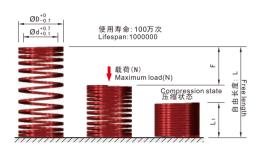
D		d	弹簧常数	压缩后长度	F=L	¥32%	F=L	×36%	F=L		@¥/I
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	T @ # /
	70		118.7	37.8	22.4		25.2		28		
	75		110.5	40.5	24		27		30		
	80		104	43.2	25.6		28.8		32		
	90		92.2	48.6	28.8		32.4		36		
	100		83.4	54	32		36		40		
	125		66.7	67.5	40		45		50		
50	150	0.5	54.9	81	48	0047.0	54	0004.0	60	00440	
50	175	25	47.1	94.5	56	2647.8	63	2981.2	70	3314.6	
	200		41.2	108	64		72		80		
	225		26.8	122	72		81		90		
	250		33.3	135	80		90		100		
	275		30.1	149	88		99		110		
	300		27.5	162	96		108		120		
	350		23.6	200.9	112		126		140		
	60		199.1	32.4	19.2		21.6		24		
	70		170.6	37.8	22.4		25.2		28		
	80		149.1	43.2	25.6		28.8		32	4766	
	90		132.4	48.6	28.8		32.4		36		
	100		119.6	54	32		36		40		
	125		95.1	67.5	40		45		50		
60	150	30	79.4	81	48	3814.8	54	4285.5	60	4766	
	175		67.7	94.5	56		63		70		
	200		59.8	108	64		72		80		
	250		48.1	135	80		90		100		
	300		40.2	162	96		108		120		
	350		34.1	200.9	112		126		140		
	70		213.7	40.2	22.4		25.2		28		
	80		186.9	45.9	25.6		28.8		32		
	90		166.2	51.7	28.8		32.4		36		
	100		149.6	57.4	32		36		40		
	125		119.6	71.8	40		45		50		
70	150	38.5	99.7	86.1	48	4785.6	54	5383.8	60	5982	
	175	- 0.0	85.5	100.5	56		63		70	3314.6	
	200		74.8	114.8	64		72		80		
	250		59.8	143.5	80		90		100		
	300		49.9	172.2	96		108		120		
	350		42.7	200.9	112		126		140		



中载荷弹簧(红色) ——— Middle Load Coil springs

DSWI





载荷计算方法:

载荷=压缩量×弹簧常数 N=Fmm×N/mm (kgf=N×0.101972) 数数24.409/

载荷误差:±10% 当D=70 则D:^{±0} 当L≤50 则L±0.5

当L≥55 则L±1%×L

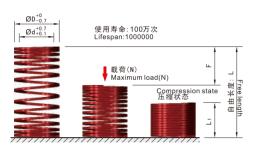
Maximum Iload calculate method:

 $\label{eq:maximum load-compression} $$\operatorname{N=Fmm}\times N/mm (kgf=N\times 0.101972)$$ Maximum lload Deviation: $$\pm 10\%$$ If D=70, Tolerance D: 1 D \leqslant 50, Tolerance L$\pm 0.5$$ If D \geqslant 55, Tolerance L$\pm 1\%\times L$$$

Corder DSWM-D-L

5,0,00			弹簧常数	压缩后长度	F=L×	25.6%	F=L×	28.8%	F=L	×32%	OV/D
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/P
	15		20.4	9.8	3.8	400 1931	4.3	400 1001	4.8	4600 THS 1 4	
	20		15.3	13.1	5.1		5.8		6.4		
	25		12.26	16.4	6.4		7.2		8		
	25 30		10.2	19.6	7.7		8.6		9.6		
_	35		8.73	22.9	9		10.1		11.2		
6	40	3	7.65	26.2	10.2	78.5	11.5	88.3	12.8	98.1	
	45		6.77	29.4	11.5		13		14.4		
	50		6.18	32.7	12.8		14.4		16		
	55		5.59	36	14.1		15.8		17.6		
	60		5.1	39.2	15.4		17.3		19.2		
	10		42.9	6.6	2.6		2.9		3.2		
	15		28.4	9.4	3.8		4.3		4.8		
	20		20.6	12.5	5.1		5.8		6.4		
	25		17.7	15.7	6.4		7.2		8		
	30		14.7	18.8	7.7		8.6		9.6		
	35		12.7	21.9	9		10.1		11.2		
	40		10.8	25	10.2		11.5		12.8		
8	45	4	8.8	28.2	11.5	107.9	13	127.5	14.4	137.3	
	50	7	7.0	31.3	12.8		14.4		16		
	55		7.8	34.4	14.1		15.8		17.6		
	60		6.9	37.6	15.4		17.3		19.2		
	65		6.5	42.5	16.6		18.7		20.8		
	70		6	45.8	17.9		20.2		22.4		
	75		5.6	49.1	19.2		21.6		24		
	80		5.3	52.3	20.5		23		25.6		
	10		61.3	6.6	2.6		2.9		3.2		
	15		40.9	9.8	3.8		4.3		4.8		
	20		30.4	12.5	5.1		5.8		6.4		
	25		24.5	15.7	6.4		7.2		8		
	30		20.6	18.8	7.7		8.6		9.6		
	35		17.7	21.9	9		10.1		11.2		
10	40	5	15.7	25	10.2	156.9	11.5	176.5	12.8	196.1	
10	45	5	13.7	28.2	11.5	130.9	13	170.5	14.4	190.1	
	50		12.7	31.3	12.8		14.4		16		
	55		10.8	34.4	14.1		15.8		17.6		
	60		9.8	37.6	15.4		17.3		19.2		
	65			40.7	16.6		18.7		20.8		
	70		8.8	43.8	17.9		20.2		22.4		
	75		7.8	47	19.2		21.6		24		
	80			50.1	20.5		23		25.6		
	90		6.8	56.3	23		25.9		28.8		

中载荷弹簧(红色) Middle Load Coil springs





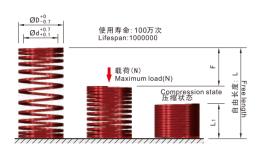
D			弹簧常数	压缩后长度	F=L×	25.6%	F=L×	28.8%	F=L	×32%	ا هـــا
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/
	15		59.3	9.8	3.8		4.3		4.8		
	20		44.1	12.5	5.1		5.8		6.4		
	25		35.3	15.7	6.4		7.2		8		
	30		29.4	18.8	7.7		8.6		9.6		
	35		25.5	21.9	9		10.1		11.2		
	40		22.6	25	10.2		11.5		12.8		
	45		19.6	28.2	11.5		13		14.4		
12	50	6	17.7	31.3	12.8	225.6	14.4	255	16	284.4	
	55		15.7	34.4	14.1		15.8		17.6		
	60		14.7	37.6	15.4		17.3		19.2		
	65		13.7	40.7	16.6		18.7		20.8		
	70		12.7	43.8	17.9		20.2		22.4		
	75		11.8	47	19.2		21.6		24		
	80		10.8	50.1	20.5		23		25.6		
	90		9.9	56.3	23		25.9		28.8		
	20		59.8	13.1	5.1		5.8		6.4		
	25		48.1	15.7	6.4		7.2		8		
	30		40.2	18.8	7.7		8.6		9.6		
	35		34.3	21.9	9		10.1		11.2		
	40		29.4	25	10.2		11.5		12.8		
	45		26.5	28.2	11.5		13		14.4		
	50		23.5	31.3	12.8		14.4		16		
14	55	7	21.6	34.4	14.1	304	15.8	343.2	17.6	382.5	
	60		19.6	37.6	15.4		17.3		19.2		
	65		18.6	40.7	16.6		18.7		20.8		
	70		16.7	43.8	17.9		20.2		22.4		
	75		15.7	47	19.2		21.6		24		
	80		14.7	50.1	20.5		23		25.6		
	90		12.7	56.3	23		25.9		28.8	284.4 382.5 500.1	
	100		12	62.6	25.6		28.8		32		
	20		78.2	13.1	5.1		5.8		6.4		
	25		62.8	15.7	6.4		7.2		8		
	30		52	18.8	7.7		8.6		9.6		
	35		45.1	21.9	9		10.1		11.2		
	40		39.2	25	10.2		11.5		12.8		
	45		34.3	28.2	11.5		13		14.4		
	50		31.4	31.3	12.8		14.4		16		
16	55	8	28.4	34.4	14.1	402.1	15.8	451.1	17.6	500.1	
	60		26.5	37.6	15.4		17.3		19.2		
	65		24.5	40.7	16.6		18.7		20.8		
	70		22.6	43.8	17.9		20.2		22.4		
	75		20.6	47	19.2		21.6		24		
	80		19.6	50.1	20.5		23		25.6		
	90				23		25.9		28.8		
			17.7	56.3							
	100		15.7	62.6	25.6		28.8		32		
	20		99.6	13.1	5.1		5.8		6.4		
	25		74.9	15.7	6.4		7.2		8		
	30		66.7	18.8	7.7		8.6		9.6		
	35		56.9	21.9	9		10.1		11.2		
	40		50	25	10.2		11.5		12.8		
	45		44.1	28.2	11.5		13		14.4		
	50		40.2	31.3	12.8		14.4		16		
18	55	9	36.3	34.4	14.1	509.9	15.8	568.8	17.6	637.4	
	60	_	33.3	37.6	15.4	000.0	17.3	000.0	19.2		
	65		30.4	40.7	16.6		18.7		20.8		
	70		28.4	43.8	17.9		20.2		22.4		
	75		26.5	47	19.2		21.6		24	载荷N 284.4 382.5	
	80		24.5	50.1	20.5		23		25.6		
	90		22.6	56.3	23		25.9		28.8		
	100		19.6	62.6	25.6		28.8		32		



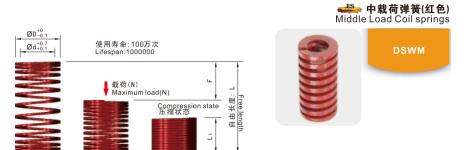
中载荷弹簧(红色) ^{US} Middle Load Coil springs

DSWN





Order	DSWM-D-L	_									
D	l L	d	弹簧常数	压缩后长度	F=L×	25.6%		28.8%	F=L:	<32%	@¥/P
		<u> </u>	N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	W+11
	20		122.6	13.1	5.1		5.8		6.4		
	25		98.1	15.7	6.4		7.2		8		
	30		81.4	18.8	7.7		8.6		9.6		
	35		69.6	21.9	9		10.1		11.2		
	40		61.8	25	10.2		11.5		12.8		
	45		54.9	28.2	11.5		13		14.4		
	50		49	31.3	12.8		14.4		16		
	55		44.1	34.4	14.1		15.8		17.6		
20	60	10	41.2	37.6	15.4	627.6	17.3	706.1	19.2	784.5	
	65 70		37.3 35.3	40.7 43.8	16.6		18.7		20.8 22.4		
			35.3	43.8	17.9		20.2 21.6		24		
	75 80		30.4	50.1	19.2 20.5		23		25.6		
	90		27.5		20.5		25.9		28.8		
	100			56.3	25.6		28.8		32		
	125		24.5 19.6	62.6 78.3	32		36		40		
	150		16.7	93.9	38.4		43.2		48		
	25		118.7	15.7	6.4		7.2		8		
	30		99	18.8	7.7		8.6		9.6		
	35		85.3	21.9	9		10.1		11.2		
	40		74.5	25	10.2		11.5		12.8		
	45		65.7	28.2	11.5		13		14.4		
	50		59.8	31.3	12.8		14.4		16		
	55		53.9	34.4	14.1		15.8		17.6		
	60		50	37.6	15.4		17.3		19.2		
22	65	11	46.1	40.7	16.6	755.1	18.7	853.2	20.8	951.2	
	70		42.2	43.8	17.9		20.2		22.4		
	75		39.2	47	19.2		21.6		24		
	80		37.3	50.1	20.5		23		25.6		
	90		33.3	56.3	23		25.9		28.8		
	100		29.4	62.6	25.6		28.8		32		
	125		23.5	78.3	32		36		40		
	150		19.6	93.9	38.4		43.2		48		
	25		153	15.7	6.4		7.2		8		
	30		127.5	18.8	7.7		8.6		9.6		
	35		109.8	21.9	9		10.1		11.2		
	40		96.1	25	10.2		11.5		12.8		
	45		85.3	28.2	11.5		13		14.4		
	50		76.5	31.3	12.8		14.4		16		
	55		69.6	34.4	14.1		15.8		17.6		
	60		63.7	37.6	15.4		17.3		19.2		
25	65	12.5	58.8	40.7	16.6	980.7	18.7	1098.3	20.8	1225.8	
	70		54.9	43.8	17.9		20.2		22.4		
	75		51	47	19.2		21.6		24		
	80		48.1	50.1	20.5		23		25.6		
	90		42.2	56.3	23		25.9		28.8		
	100		38.2	62.6	25.6		28.8		32		
	125		30.4	78.3	32		36		40		
	150		25.5	93.9	38.4		43.2		48		
	175		19.6	109.6	44.8		50.4		56 8		
	25 30		179.5 149.1	15.7 18.8	6.4 7.7		7.2 8.6		9.6		
	35		149.1	21.9	9		10.1		11.2		
	40		111.8	21.9	10.2		11.5		12.8		
27	45	13.5	99	28.2	11.5	1147.4	13	1284.7	14.4	1431.8	
21	50	13.0	89.2	31.3	12.8	1147.4	14.4	1204.7	16	1431.0	
	55		81.4	34.4	14.1		15.8		17.6		
	60		74.5	37.6	15.4		17.3		19.2		
	65		68.6	40.7	16.6		18.7		20.8		
			00.0						20.0		



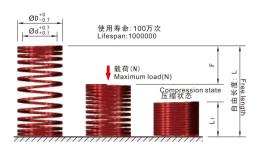
			弹簧常数	压缩后长度	F=L×	25.6%	F=L×	28.8%	F=L	×32%	
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥
	70		63.7	43.8	17.9	4201-31-4	20.2	4001311	22.4	4201311	
	75		59.8	47	19.2		21.6		24		
	80		55.9	50.1	20.5				25.6		
							23				
27	90	13.5	50	56.3	23	1147.4	25.9	1284.7	28.8	1431.8	
	100		45.1	62.6	25.6		28.8		32		
	125		36.3	78.3	32		36		40		
	150		29.4	93.9	38.4		43.2		48		
	175		25.5	109.6	44.8		50.4		56		
	25		200.6	15.7	6.4		7.2		8		
	30		184.4	18.8	7.7		8.6		9.6		
	35		157.9	21.9	9		10.1		11.2		
	40		138.3	25	10.2		11.5		12.8		
	45		122.6	28.2	11.5		13		14.4		
	50		110.8	31.3	12.8		14.4		16		
	55		100	34.4	14.1		15.8		17.6		
	60		92.2	37.6	15.4		17.3		19.2		
30	65	15	85.3	40.7	16.6	1412.2	18.7	1578.9	20.8	1765.2	
50	70		78.5	43.8	17.9		20.2	10.0.0	22.4		
	75		73.5	47	19.2		21.6		24		
	80		68.6	50.1	20.5		23		25.6		
	90		61.8	56.3	23		25.9		28.8		
	100		54.9	62.6	25.6		28.8		32		
	125		44.1	78.3	32		36		40		
	150		37.3	93.9	38.4		43.2		48		
	175		31.4	109.6	44.8		50.4		56		
							57.6		64		
	200		27.5	125.2	51.2						
	40		187.3	25	10.2		11.5		12.8		
	45		166.7	28.2	11.5		13		14.4		
	50		150	31.3	12.8		14.4		16		
	55		136.3	34.4	14.1		15.8		17.6		
	60		125.5	37.6	15.4		17.3		19.2		
	65		115.7	40.7	16.6		18.7		20.8		
	70		106.9	43.8	17.9		20.2		22.4		
35	75	17.5	100	47	19.2	1912.3	21.6	2157.5	24	2402.6	
	80		94.1	50.1	20.5		23		25.6		
	90		83.4	56.3	23		25.9		28.8		
	100		75.5	62.6	25.6		28.8		32		
									32		
	125		59.8	78.3	32		36		40		
	150		50	93.9	38.4		43.2		48		
	175		43.1	109.6	44.8		50.4		56		
	200		37.3	125.5	51.2		57.6		64		
	40		246.1	25	10.2		11.5		12.8		
	45		218.3	28.2	11.5		13		14.4		
	50		196.1	31.3	12.8		14.4		16		
	55		178	34.4	14.1		15.8		17.6		
	60		162.8	37.6	15.4		17.3		19.2		
	65		151.2	40.7	16.6		18.7		20.8		
	70		140.2	43.8	17.9		20.2		22.4		
	75			47							
			130.8		19.2		21.6		24		
	80		122.6	50.1	20.5	0540.5	23	00010	25.6	0.100.1	
40	90	20	108.9	56.3	23	2510.5	25.9	2824.3	28.8	3138.1	
	100		98.1	62.6	25.6		28.8		32		
	125		78.5	78.3	32		36		40		
	150		65.7	93.9	38.4		43.2		48		
	175		55.9	109.6	44.8		50.4		56		
	200		49	125.5	51.2		57.6		64		
	225		43.6	141	57.6		64.8		72		
	250		39.2	156.5	64		72		80		
	275		35.7	172	70.4		79.2		88		
	300		32.7	196.2	76.8		86.4		96		



中载荷弹簧(红色) Middle Load Coil springs

DSWN

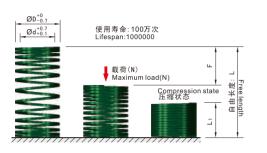




Order	DSWM-D-L	_									
D			弹簧常数	压缩后长度	F=L×	25.6%	F=L×	28.8%	F=L>	432%	@ ¥ /P
D			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@ # /P
50	50 55 60 65 70 75 80 90 100 125 150 175 200 225 250 275 300	25	306.9 278.6 255 235.7 218.7 204.3 191.2 170.6 153 122.6 102 87.3 76.5 68.1 60.8 55.7	31.3 34.4 37.6 40.7 43.8 47 50.1 56.3 62.6 78.3 93.9 109.6 125.2 141 156.5 172 187.8	12.8 14.1 15.4 16.6 17.9 19.2 20.5 23 25.6 32 38.4 44.8 51.2 57.6 64 70.4	3922.7	14.4 15.8 17.3 18.7 20.2 21.6 23 25.9 28.8 36 43.2 50.4 57.6 64.8 72 79.2	4413	16 17.6 19.2 20.8 22.4 25.6 28.8 32 40 48 56 64 72 80 88 96	4903.3	
60	350 60 70 80 90 100 125 150 175 200 250 300 350	30	43.8 365.8 314.8 275.6 245.2 220.6 176.5 147 126.5 110.8 88.3 73.5 62.9	228.9 37.6 43.8 50.1 56.3 62.6 78.3 93.9 109.6 125.2 156.5 187.8 228.9	89.6 15.4 17.9 20.5 23 25.6 32 38.4 44.8 51.2 64 76.8 89.6	5638.8	100.8 17.3 20.2 23 25.9 28.8 36 43.2 50.4 57.6 72 86.4 100.8	6354.7	112 19.2 22.4 25.6 28.8 32 40 48 56 64 80 96	7060.8	
70	70 80 90 100 125 150 175 200 250 300	38.5	372.2 325.6 289.9 260.5 208.4 173.7 148.9 130.2 104.2 86.8	45.8 52.3 58.9 65.4 81.8 98.1 114.5 130.8 163.5 196.2	17.9 20.5 23 25.6 32 38.4 44.8 51.2 64 76.8	6668.5	20.2 23 25.9 28.8 36 43.2 50.4 57.6 72 86.4	7502.1	22.4 25.6 28.8 32 40 48 56 64 80 96	8335.6	

74.4 228.9 89.6

■ **重载荷弹簧(绿色)**High Load Coil springs





载荷计算方法:

载荷=压缩量×弹簧常数

N=Fmm×N/mm (kgf=N×0.101972)

载荷误差:±10% 当D=70 则D:⁺⁰

当L≤50 则L±0.5 当L≥55 则L±1%×L

Maximum Iload calculate method:

Maximum Iload=compression×spring constant N=Fmm×N/mm (kgf=N×0.101972) Maximum Iload Deviation: $\pm 10\%$ If D=70,Tolerance D: $^{\pm 0}$ If D ≤ 50 ,Tolerance L ± 0.5 If D ≥ 55 , ToleranceL $\pm 1\%$ ×L

☎Order DSWH-D-L

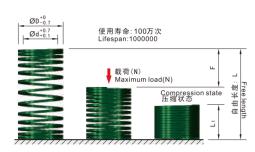
D	l L	d	弹簧常数	压缩后长度	F=L×	19.2%	F=L×	21.6%	F=L:	×24%	6 V /D
D			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/P
	10		122.6	7.4	1.9		2.2		2.4		
	15		81.4	11	2.9		3.2		3.6		
	20		61.8	14.4	3.8		4.3		4.8		
	25		49	18	4.8		5.4		6		
	30		41.2	21.6	5.8		6.5		7.2		
	35		35.3	25.2	6.7		7.5		8.4		
	40		30.4	28.8	7.7		8.6		9.6		
10	45	5	27.5	32.4	8.6	235.4	9.7	264.8	10.8	294.2	
10	50	3	24.5	36	9.6	233.4	10.8	204.0	12	294.2	
	55		22.6	39.6	10.6		11.8		13.2		
	60		20.6	43.2	11.5		13		14.4		
	65		18.6	46.8	12.5		14		15.6		
	70		17.7	50.4	13.4		15.1		16.8		
	75		16.7	54	14.4		16.2		18		
	80		15.7	57.6	15.4		17.3		19.2		
	90		13.6	64.8	17.3		19.4		21.6		
	15		117.1	11	2.9		3.2		3.6		
	20		88.3	14.4	3.8		4.3		4.8		
	25		70.6	18	4.8		5.4		6		
	30		58.8	21.6	5.8		6.5		7.2		
	35		50	25.2	6.7		7.5		8.4		
	40		44.1	28.8	7.7		8.6		9.6		
	45		39.2	32.4	8.6		9.7		10.8		
12	50	6	35.3	36	9.6	333.4	10.8	372.7	12	421.7	
	55		32.4	39.6	10.6		11.8		13.2		
	60		29.4	43.2	11.5		13		14.4		
	65		26.5	46.8	12.5		14		15.6		
	70		24.5	50.4	13.4		15.1		16.8		
	75		23.5	54	14.4		16.2		18		
	80		21.6	57.6	15.4		17.3		19.2		
	90		19.5	64.8	17.3		19.4		21.6		
	20		120.5	14.7	3.8		4.3		4.8		
	25		96.1	18	4.8		5.4		6		
	30		80.4	21.6	5.8		6.5		7.2		
	35		68.6	25.2	6.7		7.5		8.4		
14	40	7	59.8	28.8	7.7	460.9	8.6	519.8	9.6	578.6	
	45		53.9	32.4	8.6		9.7		10.8		
	50		48.1	36	9.6		10.8		12		
	55		44.1	39.6	10.6		11.8		13.2		
	60		40.2	43.2	11.5		13		14.4		



重载荷弹簧(绿色) 415 High Load Coil springs

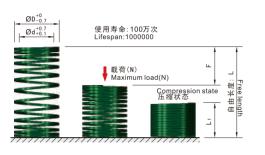
DSWH





Order	DSWH-D-L	_									
D	L	d	弹簧常数	压缩后长度		19.2%		21.6%		×24%	@¥/P
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	W + //
	65 70 75		37.3 34.3 32.4	46.8 50.4 54	12.5 13.4 14.4		14 15.1 16.2		15.6 16.8 18		
14	80 90 100	7	30.4 26.5 24.1	57.6 64.8 72	15.4 17.3 19.2	460.9	17.3 19.4 21.6	519.8	19.2 21.6 24	578.6	
	20		157.3	14.7	3.8		4.3		4.8		
	25		125.5	18	4.8		5.4		6		
	30		104.9	21.6	5.8		6.5		7.2		
	35		90.2	25.2	6.7		7.5		8.4		
	40		78.5	28.8	7.7		8.6		9.6		
	45		69.6	32.4	8.6		9.7		10.8		
16	50 55	0	62.8 56.9	36	9.6 10.6	000	10.8 11.8	070.7	12 13.2	755.1	
16	60	8	52	39.6 43.2	11.5	608	13	676.7	14.4	755.1	
	65		48.1	46.8	12.5		14		15.6		
	70		45.1	50.4	13.4		15.1		16.8		
	75		42.2	54	14.4		16.2		18		
	80		39.2	57.6	15.4		17.3		19.2		
	90		35.3	64.8	17.3		19.4		21.6		
	100		31.4	72	19.2		21.6		24		
	20		198.2 158.9	14.7 18	3.8		4.3 5.4		4.8		
	25 30		132.4	21.6	4.8 5.8		6.5		6 7.2		
	35		112.8	25.2	6.7		7.5		8.4		
	40		99	28.8	7.7		8.6		9.6		
	45		88.3	32.4	8.6		9.7		10.8		
	50		79.4	36	9.6		10.8		12		
18	55	9	71.6	39.6	10.6	764.9	11.8	853.2	13.2	951.2	
	60		65.7	43.2	11.5		13		14.4		
	65 70		60.8 56.9	46.8 50.4	12.5 13.4		14 15.1		15.6 16.8		
	75		53	54	14.4		16.2		18		
	80		50	57.6	15.4		17.3		19.2		
	90		44.2	64.8	17.3		19.4		21.6		
	100		39.2	72	19.2		21.6		24		
	20		245.2	14.7	3.8		4.3		4.8		
	25		196.1	18	4.8		5.4		6		
	30 35		163.8 140.2	21.6 25.2	5.8 6.7		6.5 7.5		7.2 8.4		
	40		122.6	28.8	7.7		8.6		9.6		
	45		108.9	32.4	8.6		9.7		10.8		
	50		98.1	36	9.6		10.8		12		
	55		89.2	39.6	10.6	044.4	11.8		13.2		
20	60	10	81.4	43.2	11.5	941.4	13	1059.1	14.4	1176.8	
	65		75.5	46.8	12.5		14		15.6		
	70 75		69.6 65.7	50.4 54	13.4 14.4		15.1 16.2		16.8 18		
	80		61.8	57.6	15.4		17.3		19.2		
	90		54.9	64.8	17.3		19.4		21.6		
	100		49	72	19.2		21.6		24		
	125		39.2	90	24		27		30		
	150		32.4	108	28.8		32.4		36		
	25		237.2	18	4.8		5.4		6		
	30 35		197.1 169.7	21.6 25.2	5.8 6.7		6.5 7.5		7.2 8.4		
22	40	11	148	28.8	7.7	1137.6	8.6	1274.9	9.6	1422	
	45		131.4	32.4	8.6		9.7		10.8		
	50		118.7	36	9.6		10.8		12		





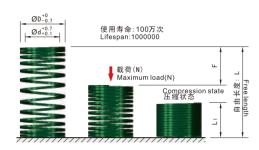


			弹簧常数	压缩后长度	F=L×	19.2%	F=L×	21.6%	F=L:	×24%	1 e v
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/
	55		107.9	39.6	10.6		11.9		13.2		
	60		99	43.2	11.5		13		14.4		
	65		91.2	46.8	12.5		14		15.6		
	70		84.3	50.4	13.4		15.1		16.8		
	75		79.4	54	14.4		16.2		18		
22	80	11	74.5	57.6	15.4	1137.6	17.3	1274.9	19.2	1422	
	90		65.7	64.8	17.3		19.4		21.6		
	100		58.9		19.2		21.6		24		
	125			72					30		
			47.1	90	24		27				
	150		39.2	108	28.8		32.4		36		
	25		306	18	4.8		5.4		6		
	30		255	21.6	5.8		6.5		7.2		
	35		218.7	25.2	6.7		7.5		8.4		
	40		191.2	28.8	7.7		8.6		9.6		
	45		169.7	32.4	8.6		9.7		10.8		
	50		153	36	9.6		10.8		12		
	55		139.3	39.6	10.6		11.9		13.2		
	60		127.5	43.2	11.5		13		14.4		
25	65	12.5	117.7	46.8	12.5	1471	14	1657.3	15.6	1833.8	
	70		108.9	50.4	13.4		15.1		16.8		
	75		102	54	14.4		16.2		18		
	80		95.1	57.6	15.4		17.3		19.2		
	90		85.3	64.8	17.3		19.4		21.6		
	100		76.5	72	19.2		21.6		24		
	125		60.8	90	24		27		30		
	150		51	108	28.8		32.4		36		
	175		44.1	126	33.6		37.8		42		
	25		357.9	18	4.8		5.4		6		
	30		298.1	21.6	5.8		6.5		7.2		
	35		255.9	25.2	6.7		7.5		8.4		
	40						8.6		9.6		
	45		223.6	28.8	7.7						
			199.1	32.4	8.6		9.7		10.8		
	50		179.5	36	9.6		10.8		12		
	55		162.8	39.6	10.6		11.9		13.2		
	60		149.1	43.2	11.5		13		14.4		
27	65	13.5	137.3	46.8	12.5	1716.2	14	1931.9	15.6	2147.7	
	70		127.5	50.4	13.4		15.1		16.8		
	75		119.6	54	14.4		16.2		18		
	80		111.8	57.6	15.4		17.3		19.2		
	90		99	64.8	17.3		19.4		21.6		
	100		89.2	72	19.2		21.6		24		
	125		71.6	90	24		27		30		
	150		59.8	108	28.8		32.4		36		
	175		51	126	33.6		37.8		42		
	25		441.3	18	4.8		5.4		6		
	30		367.7	21.6	5.8		6.5		7.2		
	35		314.8	25.2	6.7		7.5		8.4		
	40		257.6	28.8	7.7		8.6		9.6		
	45		245.2	32.4	8.6		9.7		10.8		
	50		220.6	36	9.6		10.8		12		
	55		201	39.6	10.6		11.9		13.2		
30	60	15	184.4	43.2	11.5	2118.2	13	2383	14.4	2647.8	
30	65	15	169.7	43.2 46.8	11.5	2110.2	13	2303	15.6	2047.8	
	70		157.9	50.4	13.4		15.1		16.8		
	75		147.1	54	14.4		16.2		18		
	80		138.3	57.6	15.4		17.3		19.2		
	90		122.6	64.8	17.3		19.4		21.6		
	100		110.8	72	19.2		21.6		24		
	125		88.3	90	24		27		30		



DSWH

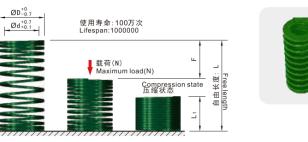




Order	DSWH-D-L
D	

D			弹簧常数	压缩后长度	F=L×	19.2%	F=L×	21.6%	F=L:	<24%	@¥/P
U			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@ # /P
	150		73.5	108	28.8		32.4		36		
30	175	15	62.8	126	33.6	2118.2	37.8	2383	42	2647.8	
00	200	10	54.9	144	38.4	ETTO.E	43.2	2000	48	2047.0	
	40		374.6	28.8	7.7		8.6		9.6		
	45		333.4	32.4	8.6		9.7		10.8		
	50			36	9.6				12		
			300.1				10.8				
	55		272.6	39.6	10.6		11.9		13.2		
	60		250.1	43.2	11.5		13		14.4		
	65		230.5	46.8	12.5		14		15.6		
	70		213.8	50.4	13.4		15.1		16.8		
	75		200.1	54	14.4		16.2		18		
35	80	17.5	187.3	57.6	15.4	2873.3	17.3	3236.2	19.2	3599	
	90		166.7	64.8	17.3		19.4		21.6		
	100		150	72	19.2		21.6		24		
	125		119.6	90	24		27		30		
	150		100	108	28.8		32.4		36		
	175		85.3	126	33.6		37.8		42		
	200		74.5	144	38.4		43.2		48		
	40		490.3	28.8	7.7		8.6		9.6		
	45		437.8	32.4	8.6		9.7		10.8		
	50		392.3	36	9.6		10.8		12		
	55		355.3	39.6	10.6		11.9		13.2		
	60		326.6	43.2	11.5		13		14.4		
	65		301.3	46.8	12.5		14		15.6		
	70		280.5	50.4	13.4		15.1		16.8		
	75		261.5	54	14.4		16.2		18		
	80		245.2	57.6	15.4		17.3		19.2		
40	90	20	217.7	64.8	17.3	3765.8	19.4	3765.8	21.6	4707.2	
40	100	20	196.1	72	19.2	3703.0	21.6	3703.0	24	4/0/.2	
							27				
	125		156.9	90	24				30		
	150 175		130.4	108	28.8		32.4		36 42		
			111.8	126	33.6		37.8				
	200		98.1	144	38.4		43.2		48		
	225		87.2	162	43.2		48.6		54		
	250		78.5	180	48		54		60		
	275		71.3	198	52.8		59.4		66		
	300		65.4	220.2	57.6		64.8		72		
	50		612.9	36	9.6		10.8		12		
	55		557.2	39.6	10.6		11.9		13.2		
	60		510.9	43.2	11.5		13		14.4		
	65		471.5	46.8	12.5		14		15.6		
	70		437.4	50.4	13.4		15.1		16.8		
	75		408.6	54	14.4		16.2		18		
	80		383.4	57.6	15.4		17.3		19.2		
	90		340.3	64.8	17.3		19.4		21.6		
50	100	05	306.9	72	19.2	5004	21.6	5004	24	7055	
50	125	25	245.2	90	24	5884	27	5884	30	7355	
	150		204	108	28.8		32.4		36		
	175		175.5	126	33.6		37.8		42		
	200		153	144	38.4		43.2		48		
	225		136.2	162	43.2		48.6		54		
	250		122.6	180	48		54		60		
	275		111.4	198	52.8		59.4		66		
	300		102	216	57.6		64.8		72		
	350		87.6	256.9	67.2		75.6		84		
	60		735.5	43.2	11.5		13		14.4		
	70		630.6	50.4	13.4						
60	80	30	552.1	57.6	15.4	8472.9	15.1 17.3	9541.9	16.8 19.2	10591.2	
	90		490.3	64.8	17.3		19.4		21.6		







D		d	弹簧常数	压缩后长度	F=L×	19.2%	F=L×	21.6%	F=L	×24%	@¥/P
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@ # /P
	100		441.3	72	19.2		21.6		24		
	125		353	90	24		27		30		
	150		294.2	108	28.8		32.4		36		
60	175	30	252	126	33.6	8472.9	37.8	9541.9	42	10591.2	
60	200	30	220.6	144	38.4	8472.9	43.2	9541.9	48	10591.2	
	250		176.5	180	48		54		60		
	300		147.1	216	57.6		64.8		72		
	350		126.1	256.9	67.2		75.6		84		
	70		747.2	51.4	13.4		15.1		16.8		
	80		653.8	58.7	15.4		17.3		19.2		
	90		581.1	66.1	17.3		19.4		21.6		
	100		531.2	72	19.2		21.6		24		
	125		425	90	24		27		30		
70	150	38.5	354.1	108	28.8	10199	32.4	11473	36	12749	
	175		303.5	126	33.6		37.8		42		
	200		265.6	144	38.4		43.2		48		
	250		212.5	180	48		54		60		
	300		177.1	216	57.6		64.8		72		
	350		151.8	252	57.6		75.6		84		

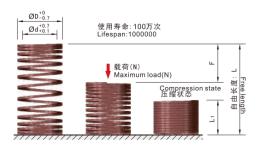




超重载荷弹簧(棕色) 是 Extra heavy load coil springs

DSWE





载荷计算方法:

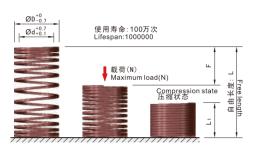
当L≥55 则L±1%×L

载荷=压缩量×弹簧常数 N=Fmm×N/mm (kgf=N×0.101972) 载荷误差:±10% 当D=70 则D:.¹⁰ 当L≤50 则L±0.5

Maximum Iload calculate method:

D			弹簧常数	压缩后长度	F=L	×16%	F=L:	×18%	F=L:	×20%	@¥/P
U			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	W + //-
	15		58.84	11.6	2.4		2.7		3		
	20		44.13	15.5	3.2		3.6		4		
	25		35.3	19.4	4		4.5		5		
	25 30		29.42	23.2	4.8		5.4		6		
	35		25.2	27.1	5.6		6.3		7		
6	40	3	22.06	31	6.4	141.2	7.2	158.9	8	176.5	
	45		19.61	34.8	7.2		8.1		9		
	50		17.65	38.7	8		9		10		
	55		16.08	42.6	8.8		9.9		11		
	60		14.71	46.4	9.6		10.8		12		
	10		161.8	7.7	1.6		1.8		2		
	15		105.9	11.4	2.4		2.7		2		
	20		79.4	15.2	3.2		3.6		4		
	25		63.7	19	4		4.5		5		
	30		53	22.8	4.8		5.4		6		
	35		45.1	26.6	5.6		6.3		7		
	40		40.2	30.4	6.4		7.2		8		
8	45	4	35.3	34.2	7.2	255	7.2 8.1	294.2	9	323.6	
	50		32.4	38	8		9		10		
	55		29.4	41.8	8.8		9.9		11		
	60		26.5	45.6	9.6		10.8		12 13		
	65		24.5	50.3	10.4		11.7		13		
	70		22.8	54.2	11.2		12.6		14		
	75		21.2	58.1	12		13.5		15		
	80		19.9	61.9	12.8		14.4		16 2		
	10		220.6	7.7	1.6		1.8		2		
	15		147.1	11.6	2.4		2.7		3 4		
	20		110.8	15.2	3.2		3.6				
	25		88.3	19	4		4.5		5		
	30		73.6	22.8	4.8		5.4		6		
	35		62.8	26.6	5.6		6.3		7		
	40		54.9	30.4	6.4		7.2		8		
10	45	5	49	34.2	7.2	353	8.1	402.1	9	441.3	
	50		44.1	38	8		9		10		
	55		40.2	41.8	8.8		9.9		11		
	60		37.3	45.6	9.6		10.8		12		
	65		34.3	49.4	10.4		11.7		13		
	70		31.4	53.2	11.2		12.6		14		
	75		29.4	57	12		13.5		15		
	80		27.5	60.8	12.8		14.4		16		

超重载荷弹簧(棕色) Extra heavy load coil springs



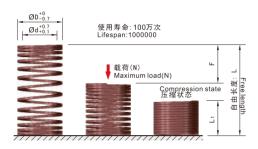


Jiudi	DSWB-D-L		2000年 1000年	Transition is	E-L	×169/	C-L	v100/	E-L	×20%	
D	L		弹簧常数	压缩后长度		×16%		×18%		×20%	@¥/P
40			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	
10	90	5	24.5	68.4	14.4	353	16.2	402.1	18	441.3	
	15		189.3	11.6	2.4		2.7		3		
	20		142.2	15.2	3.2		3.6		4		
	25		113.8	19	4		4.5		5		
	30		95.1	22.8	4.8		5.4		6		
	35		81.4	26.6	5.6		6.3		7		
	40		71.6	30.4	6.4		7.2		8		
	45	_	62.8	34.2	7.2		8.1		9		
12	50	6	56.9	38	8	451.1	9	509.9	10	568.8	
	55		52	41.8	8.8		9.9		11		
	60		47.1	45.6	9.6		10.8		12		
	65		43.1	49.4	10.4		11.7		13		
	70		40.2	53.2	11.2		12.6		14		
	75		38.2	57	12		13.5		15		
	80		35.3	60.8	12.8		14.4		16		
	90		31.6	68.4	14.4		16.2		18		
	20		183.9	15.5	3.2		3.6		4		
	25		142.2	19	4		4.5		5		
	30		122.6	22.8	4.8		5.4		6		
	35		104.9	26.6	5.6		6.3		7		
	40		92.2	30.4	6.4		7.2		8		
	45		81.4	34.2	7.2		8.1		9		
	50		73.5	38	8		9		10		
14	55	7	66.7	41.8	8.8	588.4	9.9	666.9	11	735.5	
	60		61.8	45.6	9.6	00011	10.8	00010	12	, , , ,	
	65		56.9	49.4	10.4		11.7		13		
	70		53	53.2	11.2		12.6		14		
	75		49	57	12		13.5		15		
	80		46.1	60.8	12.8		14.4		16		
	90		41.2	68.4	14.4		16.2		18		
	100		36.8	76	16		18		20		
	20		245.2	15.5	3.2		3.6		4		
	25		196.1	19.5	4		4.5		5		
	30		163.7	22.8	4.8		5.4		6		
	35		140.2	26.6	5.6		6.3 7.2		7		
	40		122.6	30.4	6.4						
	45		108.9	34.2	7.2		8.1		9		
40	50		98.1	38	8	7045	9	000.0	10	000 7	
16	55	8	89.2	41.8	8.8	784.5	9.9	882.6	11	980.7	
	60		81.4	45.6	9.6		10.8		12		
	65		75.5	49.4	10.4		11.7		13		
	70		69.6	53.2	11.2		12.6		14		
	75		65.7	57	12		13.5		15		
	80		61.8	60.8	12.8		14.4		16		
	90		54.9	68.4	14.4		16.2		18		
	100		49	76	16		18		20		
	20		306.5	15.5	3.2		3.6		4		
	25		245.2	19	4		4.5		5		
	30		204	22.8	4.8		5.4		6		
	35		175.5	26.6	5.6		6.3		7		
	40		153	30.4	6.4		7.2		8		
	45		136.3	34.2	7.2		8.1		9		
18	50	9	122.6	38	8	980.7	9	1108.2	10	1225.8	
	55		111.8	41.8	8.8		9.9		11		
	60		102	45.6	9.6		10.8		12		
	65		94.1	49.4	10.4		11.7		13		
	70		87.3	53.2	11.2		12.6		14		
	75		81.4	57	12		13.5		15		
	80		76.5	60.8	12.8		14.4		16		



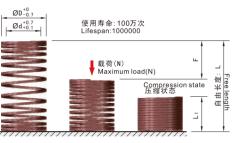
超重载荷弹簧(棕色) 是 Extra heavy load coil springs





Order	DSWB-D-L										
			弹簧常数	压缩后长度	F=L:	×16%	F=L:	×18%	F=L:	×20%	O V /D
D			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥/P
18	90	9	67.7	68.4	14.4	980.7	16.2	1108.2	18	1225.8	
10	100	9	61.8	11.6	16	900.7	18	1100.2	20	1225.0	
	20		392.3	15.5	3.2		3.6		4		
	25		313.8	19	4		4.5		5		
	30		261.8	22.8	4.8		5.4		6		
	35		224.6	26.6	5.6		6.3		7		
	40		196.1	30.4	6.4		7.2		8		
	45		174.6	34.2	7.2		8.1		9		
	50		156.9	38	8		9		10		
	55		142.2	41.8	8.8		9.9		11		
20	60	10	130.4	45.6	9.6	1255.3	10.8	1412.2	12	1569.1	
	65		120.6	49.4	10.4		11.7		13		
	70		111.8	53.2	11.2		12.6		14		
	75		104.9	57	12		13.5		15		
	80		98.1	60.8	12.8		14.4		16		
	90		87.3	68.4	14.4		16.2		18		
	100		78.5	76	16		18		20		
	125		62.8	95	20		22.5		25		
	150		52	114	24		27		30		
	25		382.5	19	4		4.5		5		
	30		318.7	22.8	4.8		5.4		6		
	35		273.6	26.6	5.6		6.3		7		
	40		239.3	30.4	6.4		7.2		8		
	45		212.8	34.2	7.2		8.1		9		
	50		191.2	38	8		9		10		
	55		173.6	41.8	8.8		9.9		11		
22	60	11	159.8	45.6	9.6	1529.8	10.8	1726	12	1912.3	
	65		147.1	49.4	10.4		11.7		13		
	70		136.3	53.2	11.2		12.6		14		
	75		127.5	57 60.8	12		13.5		15		
	80 90		119.6 105.9	68.4	12.8 14.4		14.4 16.2		16 18		
	100		96.1	76	16		18		20		
	125		76.5	95	20		22.5		25		
	150		63.7	114	24		27		30		
	25		480.6	19	4		4.5		5		
	30		400.1	22.8	4.8		5.4		6		
	35		343.2	26.6	5.6		6.3		7		
	40		300.1	30.4	6.4		7.2		8		
	45		266.7	34.2	7.2		8.1		9		
	50		240.3	38	8		9		10		
	55		218.7	41.8	8.8		9.9		11		
	60		200.1	45.6	9.6		10.8		12		
25	65	12.5	184.4	49.4	10.4	1922.1	11.7	2167.3	13	2402.6	
20	70		171.6	53.2	11.2		12.6	2.00	14	2.02.0	
	75		159.8	57	12		13.5		15		
	80		150	60.8	12.8		14.4		16		
	90		133.4	68.4	14.4		16.2		18		
	100		120.6	76	16		18		20		
	125		96.1	95	20		22.5		25		
	150		80.4	114	24		27		30		
	175		68.6	133	28		31.5		35		
	25		568.8	19	4		4.5		5		
	30		473.7	22.8	4.8		5.4		6		
	35		406	26.6	5.6		6.3		7		
27	40	13.5	356	30.4	6.4	2275.1	7.2	2559.5	8	2843.9	
	45		315.8	34.2	7.2		8.1		9		
	50		284.4	38	8		9		10		
	55		258.9	41.8	8.8		9.9		11		







D	DSWB-D-L		弹簧常数	压缩后长度	F=L	×16%	F=L	×18%	F=L	×20%	0.4
			N/mm	(mm)	Fmm	载荷N	Fmm	载荷N	Fmm	载荷N	@¥
	60		237.3	45.6	9.6		10.8		12		
	65		218.7	49.4	10.4		11.7		13		
	70		203	53.2	11.2		12.6		14		
	75		189.3	57	12		13.5		15		
	80		177.5	60.8	12.8		14.4		16		
27	90	13.5	157.9	68.4	14.4	2275.1	16.2	2559.5	18	2843.9	
	100		142.2	76	16		18		20		
	125		113.8	95	20		22.5		25		
	150		95.1	114	24		27		30		
	175		81.4	133	28		31.5		35		
	25		706.1	19	4		4.5		5		
	30		588.4	22.8	4.8		5.4		6		
	35		504.1	26.6	5.6		6.3		7		
	40		441.3	30.4	6.4		7.2		8		
	45		392.3	34.2	7.2		8.1		9		
	50		353	38	8		9		10		
	55		320.7	41.8	8.8		9.9		11		
	60		294.2	45.6	9.6		10.8		12		
30	65	15	271.6	49.4	10.4	2824.3	11.7	3177.4	13	3530.4	
30	70	10	252	53.2	11.2	2024.0	12.6	3177.4	14	3330.4	
	75		235.4	57	12		13.5		15		
	80		220.6	60.8	12.8		14.4		16		
	90		196.1	68.4	14.4		16.2		18		
	100		176.5	76	16		18		20		
	125		141.2	95	20		22.5		25		
	150		117.7	114	24		27		30		
	175		101	133	28		31.5		35		
	200		88.3	152	32		36		40		
	40		601.1	30.4	6.4		7.2		8		
	45		533.5	34.2	7.2		8.1		9		
	50		480.5	38	8		9		10		
	55		436.4	41.8	8.8		9.9		11		
	60		400.1	45.6	9.6		10.8		12		
	65		369.7	49.4	10.4		11.7		13		
	70		343.2	53.2	11.2		12.6		14		
35	75	17.5	320.7	57	12	3844.2	13.5	4324.7	15	4805.3	
00	80	11.0	300.1	60.8	12.8	0011.2	14.4	1021	16	1000.0	
	90		266.7	68.4	14.4		16.2		18		
	100		240.3	76	16		18		20		
	125		192.2	95	20		22.5		25		
	150		159.8	114	24		27		30		
	175		137.3	133	28		31.5		35		
	200		120.6	152	32		36		40		
	40		784.5	30.4	6.4		7.2		8		
	45			30.4	7.2		8.1		9		
	50 50		697.4	34.2					10		
			627.6		8		9				
	55		570.6	41.8	8.8		9.9		11		
	60		522.7	45.6	9.6		10.8		12		
	65		482.3	49.4	10.4		11.7		13		
	70		448.2	53.2	11.2		12.6		14		
	75		418.4	57	12		13.5		15		
40	80	20	392.3	60.8	12.8	5021	14.4	5648.6	16	6276.3	
-10	90	349.1	68.4	14.4	0021	16.2	00.10.0	18	02.0.0		
	100		313.8	76	16		18		20		
	125		251.1	95	20		22.5		25		
	150		208.9	114	24		27		30		
	175		179.5	133	28		31.5		35		
	200		156.9	152	32		36		40		
	225		139.5	171	36		40.5		45		

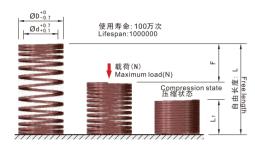
弹簧系列 Springs series

(III) YHB ECO CO.,LTD

超重载荷弹簧(棕色) **墨** Extra heavy load coil springs







D L d Mmm Fmm 载荷N Fmm 载荷N Fmm 250 125.5 190 40 45 50	×20% 载荷N 6276.3	@¥
N/mm	非发1回 IN	@ ∓
	6276.3	
	6276.3	
40 275 20 115.9 209 44 5021 49.5 5648.6 55		
300 104.6 232.2 48 54 60		
50 980.7 38 8 9 10		
55 891.5 41.8 8.8 9.9 11		
60 816.9 45.6 9.6 10.8 12		
65 754.4 49.4 10.4 11.7 13		
70 700.2 53.2 11.2 12.6 14		
75 653.8 57 12 13.5 15		
80 612.9 60.8 12.8 14.4 16		
90 545.2 68.4 14.4 16.2 18		
400 400 70 40 40		
50 125 25 392.3 95 20 7845.3 18 8826 25	9806.7	9806.7
150 326.6 114 24 27 30		
175 280.4 133 28 31.5 35		
200 245.2 152 32 36 40		
225 217.9 171 36 40.5 45		
250 196.1 190 40 45 50		
275 178.3 209 44 49.5 55		
300 163.8 228 48 54 60		
350 140.1 270.9 56 63 70		
60 1176.8 45.6 9.6 10.8 12		
70 1009.1 53.2 11.2 12.6 14		
80 882.6 60.8 12.8 14.4 16		
90 784.5 68.4 14.4 16.2 18		
100 706.1 76 16 18 20		
125 564.0 05 20 22.5		
60 125 30 470.7 114 24 11297.3 27 12709.4 30	14121.6	
175 403.1 133 28 31.5 35		
200 353 152 32 36 40		
250 282.4 190 40 45 50		
300 235.4 228 48 54 60		
350 201.7 270.9 56 63 70		
70 1218.9 54.2 11.2 12.6 14		
80 1066.5 61.9 12.8 14.4 16		
90 948 69.7 14.4 16.2 18		
100 882.6 76 16 18 20		
125 706.1 95 20 22.5 25		
70 150 38.5 588.4 114 24 14122 27 15887 30	17652	
175 504.3 133 28 31.5 35	11002	
200 441.3 152 32 36 40		
250 353 190 40 45 50		
300 294.2 228 48 54 60		
350 252.2 266 56 63 70		

产品概述

Products Summary

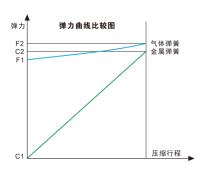
模具专用氮气弹簧综述

TOOL & Die Nitrogen Gas Spring

模具专用氮气弹簧(简称氮缸)是一种以高压氮气为工作介质的新型弹性组件,它体积小、弹力大、行程长、工作平稳、制造精密,使用寿命长(一百万次),弹力曲线平缓,以及不需要预紧等等,它能完成金属弹簧、橡胶和气垫等常规弹性组件难于完成的工作,能简化模具设计和制造,方便模具安装和调整,延长模具的使用寿命,确保产品质量的稳定,也可以设计成一种氮气弹簧系统,作为模具的一部分参加工作,可以在系统中很方便实现压力恒定和延时动作,是一种具有柔性性能的新一代的最理性的弹性部件。

The tool and die nitrogen gas spring (nitrogen gas cylinder or gas spring) is using the nitrogen gas pressure creates a force that is proportional to the surface area on which it makes contact. The piston rod in the gas spring is used as a spring element. The advantage of the nitrogen gas spring is that can generate a much greater force and longer stroke than an equivalent mechanical spring with small cylinder body and stable wokforce. Normally its life cycle is one million times. Therefore, its life cycle costs are the considerably lower than other metal springs, The nitrogen gas can be easily checked and regulated; thus this kind of spring is far superior to any other types of springs. It could simplified your mould or die design; meanwhile you could design a linked system tomonitor orcontrol.



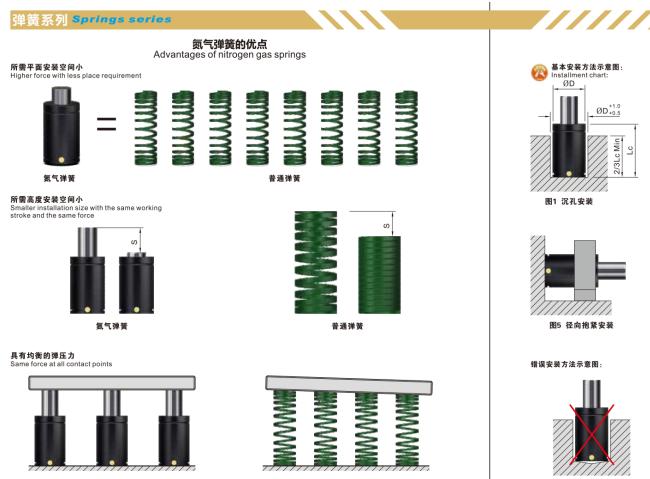


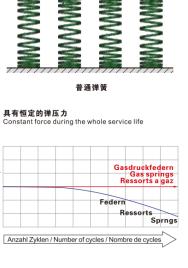
模具氮气弹簧的基本术语及技术参数

TOOL & Die Technical Term and Specification

- 1.公称弹压力F:是指该系列氮气弹簧在20℃时,充气压强为15Mpa后初始时的弹压力;在用户没有特别要求时,初始弹压力值均按公称弹压力制造。同一系列氮气弹簧的工程弹压力是一致的。
- 2.行程S:是指该型与氦气弹簧的工作行程。这些行程可以充分被利用,但是为了防止在模具更换或调试中出现氦气弹簧超出行程而过载的突发事件,因此推荐在设计中保留>5mm或10%S的空余行程。
- 3.总长L:是指该型号氮气弹簧的制造长度,即在自然状态时的最大长度,必须满足:总长L≥基长+2×行程S
- 4.工作寿命:在正确安装和正常使用下,氮气弹簧的工作寿命(行程≤50mm)为一百万次以上。如果行程大于50mm时,将以氮气弹簧实际累计行程约10000米计算为其寿命,即:工作寿命=100000米÷(实际行程×2)
- 1. Initial Force: The initial given forces in the catalogue are based on a temperature of 20°C. The pressure force is 15Mpc If there is no special requirement, the initial is our nominal pressure force. The same series of nitrogen gas springs are the same forces.
- 2.Stroke Length: The nominal stroke defined as S in the catalogue, may be utilized fully in all our gas springs. However, the recommendation is not to use the full stroke in normal operation. This is to prevent the spring from being "overstroked" as a result of changes to the tool or mis-happenings in the tool. we do not recommend the last 5mm or 10% of the nominal stroke be utilized.
- 3. Total Length is the length of cylinder and its length of piston rod under the natural situation. Total Length≥Ground Length+2×stroke.
- 4.Life Cyle:Under right installation and normal operation, the life cycle is over one million times. (Str-okes≤50mm)If stroke is more than 50mm; its lifetime is 100,000 stroke meters used stroke (in meter)×2×number of strokes.







氮气弹簧

普通弹簧

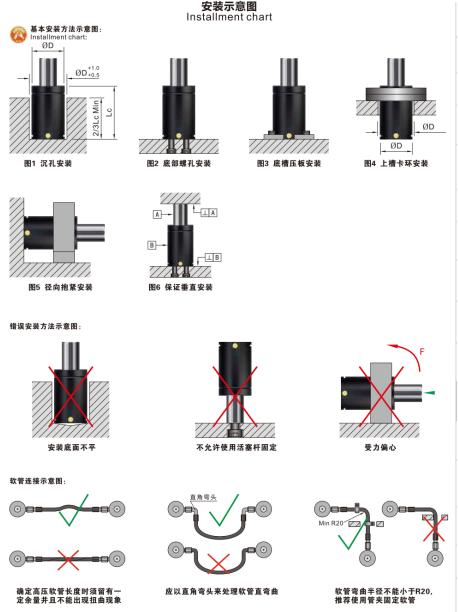
1000 daN

具有初使弹压力

At the beginning of the stroke

氮气弹簧

the whole force is available





使用注意事项

General User Information

使用注意事项示意图









图1 禁止超行程工作

图2 最高使用温度

图3 不可使用非氮气气体







图4 充气方法

图5 排气方法

图6 避免带油剂工作







图9 禁止碰撞



图8 不允许截取活塞杆长度





图12 不允许侧向受力



使用注意事项

General User Information

氮气弹簧为高压密封制品,出厂前经过严格的检查和测试,不允许有任何的气体泄漏现象,因此要求用户正确地安装和使 用,才能确保其安全可靠性和最佳的使用寿命。

- 1. 当氮气弹簧作为独立部件使用时,安装到模具后,在使用寿命范围内一般无需拆卸维修;
- 2.若将氦气弹簧连成系统使用,一般需由经过专门训练的人员或专业人员的指导,应特别注意在气缸中的氦气尚未完全 释放前,严禁拆卸或进行维修,以防意外事故发生;
- 3. 氮气弹簧下端的螺钉主要起保护和加强密封作用,不得擅自拆卸和随意敲击;
- 4.推荐工作行程≤0.9XS(制造行程),严禁超行程压缩;
- 5.被活塞杆上端顶压的工件之接触面与活塞杆轴线的不垂直度应≤1°(即应保持垂直,严禁偏载);
- 6.不可有侧作用力,压缩作用力必须以缸体底部垂直。
- 7. 氦气弹簧在被压缩后,不要使活塞杆自由空回程,以免引起氦气弹簧内部损坏。
- 8.注意保持活塞杆圆柱表面的清洁,避免刮伤或刻痕,严禁敲击碰撞。
- 9.严禁将氮气弹簧置于烈日下暴晒和高热原环境中,最高允许温度80°C(特制耐高温氮气弹簧例外)。
- 10. 氮气弹簧应存放在干燥通风、无腐蚀性气体环境中包装存放; 拆箱安装后如长期不使用时可在为其表面涂抹油脂保护
- 11.不得在氮气弹簧缸体、密封圈等处做任何修改或加工;
- 12.不得为减小行程而将活塞杆截短;

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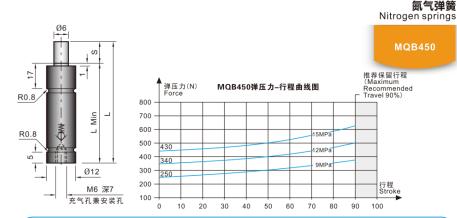
- 13.不得对氮气弹簧及其附件进行其它加工:
- 14.不得以非氮气气体充填氮气弹簧:
- 15.严禁非专业人员对氮气弹簧进行拆解和改造,否则将导致安全问题;
- 16.将氮气弹簧底部固定在平整的固定板上,使用过程中,氮气弹簧不允许有摇动或窜动现象;
- 17. 氦气弹簧运输时应使用专用包装物进行包装,不得相互碰撞;
- 18.报废时请将废氮气弹簧隔离存放,不能与其它产品混装,更不能以重物压在废缸体上;
- 19.处理时请将氦气弹簧内的气体全部放出后再进行其它处理。

Gas Spring contains high pressure nitrogen gas, each of gas springs is strictly inspected and tested; any of eaking gas or damages are not allowed. Therefore we ask our customers install and use correctly to ensure their safety and reliable and suitable lifetime.

- 1. When gas spring is self-contained, normally there is no neeed to dismount after being installed in die.
- 2.At linked mode, only specially trained personnel with good knowledge about products should carry out the maintenance. To avoid any of accidents, DO NOT attempt maintenance spring until internal pressure is exhausted.
- 3. Port plug is for the purpose of protection and seal. Do not release and strike.
- 4. The recommended stroke is less than 90% x stroke.
- 5.It is necessary to have a flat surface against the base of the spring in all circumstances. Contact misalignment should beminimized<1°
- 6. The gas spring should not be subject to side loads. Never allow open clearances in a bottom mount or horizontal
- 7.Do not use the gas spring in such a way that the piston rod is released freely from its compressed position as this could cause internal damage to the gas spring.
- 8. Keep piston rod clean. Avoid any of scratch and injury. Protect the piston rod against mechanical damage and contact with fluids.
- 9. The maximum operating temperature 80°C (Except special high temperature resistance gas spring) Do not expose gas spring under sunshine and high heat.
- 10. Store gas spring under dry and ventilation.
- 11.Do not machine or modify.
- 12.DO not machine piston rod to fit the stroke.
- 13.DO not machine cylinder and its parts.
- 14. Do not charge any of gas except nitrogen.
- 15. Only trained and skilled technicians could mount and connect gas spring; otherwise there will be a safety concern.
- 16. Use the recommended mount solutions and dispose properly.
- 17. Pack properly and keep away from bumping while delivering.
- 18. While disposing, store gas springs separately. Do not mix with other products and put under any of heavy material.
- 19. Discharge gas completely before discard or any of disposing.



* =1	古公口	总	₩L	行	程S	八秒四十	0.1	表切	厨 二
类型	直径D	Min	Max	Min	Max	公称弹压力	Code	页码	图示
国际标准型	Ø12	62	292	10	125	450N(45kg)	MQB450	P733	
国际标准型	Ø19	62	292	10	125	750N(75kg)	MQB750	P734	
国际标准型	Ø32	70	300	10	125		MQB1700	P735	
短巧型	Ø25	62	292	10	125	1700N(0.17T)	MQJ1700	P736	
超紧凑型	Ø19	44	285	7	125		MQC1700	P737	
国际标准型	Ø38	70	300	10	125		MQB2500	P738	五
短巧型	Ø38	60	290	10	125	2500N(0.25T)	MQJ2500	P739	恭 一
超紧凑型	Ø32	50	280	10	125		MQC2500	P740	· 公 格
超紧凑型	Ø25	44	285	7	125	3200N(0.32T)	MQC3200	P741	i i
超紧凑型	Ø32	50	280	10	125	3500N(0.35T)	MQC3500	P742	
国际标准型	Ø45	111	405	13	160		MQB5000	P743	ω ·
短巧型	Ø45	70	300	10	125	5000N(0.5T)	MQJ5000	P744	
超紧凑型	Ø38	50	280	10	125		MQC5000	P745	
国际标准型	Ø50	121	495	13	200		MQB7500	P746	
短巧型	Ø50	70	300	10	125	7500N(0.75T)	MQJ7500	P747	1
超紧凑型	Ø45	52	282	10	125		MQC7500	P748	
国际标准型	Ø63	126	500	13	200		MQB10000	P749	
短巧型	Ø63	75	305	10	125	10000N(1T)	MQJ10000	P750	-
超紧凑型	Ø50	58	288	10	125		MQC10000	P751	
国际标准型	Ø75	140	710	15	300		MQB15000	P752	ØD
短巧型	Ø75	80	310	10	125	15000N(1.5T)	MQJ15000	P753	1
超紧凑型	Ø63	64	294	10	125		MQC15000	P754	
国际标准型	Ø88	150	710	20	300		MQB24000	P755	推荐工作行程≤0.9S
短巧型	Ø88	85	315	10	125	24000N(2.4T)	MQJ24000	P756	
超紧凑型	Ø75	65	295	10	125		MQC24000	P757	
国际标准型	Ø95	160	720	20	300		MQB30000	P758	
短巧型	Ø95	90	320	10	125	30000N(3T)	MQJ30000	P759	
超紧凑型	Ø88	75	305	10	125		MQC30000	P760	
国际标准型	Ø113	160	720	20	300		MQB42000	P761	
短巧型	Ø113	95	325	10	125	42000N(4.2T)	MQJ42000	P762	
超紧凑型	Ø95	78	308	10	125		MQC42000	P763	
国际标准型	Ø120	180	740	20	300		MQB50000	P764	
短巧型	Ø120	100	330	10	125	50000N(5T)	MQJ50000	P765	
超紧凑型	Ø113	85	315	10	125		MQC50000	P766	
国际标准型	Ø140	180	740	20	300		MQB66000	P767	
短巧型	Ø140	105	335	10	125	66000N(6.6T)	MQJ66000	P768	
超紧凑型	Ø120	88	318	10	125		MQC66000	P769	
国际标准型	Ø150	195	755	20	300		MQB75000	P770	
短巧型	Ø150	115	345	10	125	75000N(7.5T)	MQJ75000	P771	
超紧凑型	Ø140	95	325	10	125		MQC75000	P772	
国际标准型	Ø195	200	760	20	300	40000001/4072	MQB100000	P773	
超紧凑型	Ø150	128	328	25	125	100000N(10T)	MQC100000	P774	



基本技术参数 BASIC INFORMATION

公称弹压力·······450N Nominal Initial Force 最大充气压强······18Mpa

最大充气压强·······18Mpa Max.Charging Pressure

最**小充气压强·······**2.5Mpa Min.Charging Pressure 最大工作速度········· ≤ 0.8m/s Mas.Piston Rod Velocity 工作介质················· 氮气(N²)

Pressure Medium 工作温度范围······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率········6~60次/min Max. Recommended Strokes/min



MQB450是一种微型的ISO国际标准型或国标型的模具专用氮气弹簧,只作独立使用;在很多情况下可以直接代替金属弹簧。

MQB450氮气弹簧由于是采用滚压封装,故不可以拆卸和不可维修,但可以进行再充气。

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于公称弹压力,为450N。

底部M6螺孔用于充气,以可选作安装使用。

MQB450 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

The force could be determined by customer's need from 2.5Mpa~18Mpa. If there is no special requirement, please charge 15Mpa that equals to initial force 450N.

The M6 thread in the base of spring is used for charging and is also a mounting option.

公Order MQB450-010-062 国际标准型(45kg)

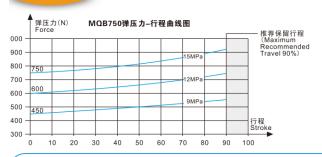
Order MQD450-010-0	02 国际标准主(45kg)			
Code				@¥/P
MQB450-010-062	10	62	52	
MQB450-013-068	13	68	55	
MQB450-015-072	15	72	57	
MQB450-020-082	20	82	62	
MQB450-025-092	25	92	67	
MQB450-030-102	30	102	72	
MQB450-035-112	35	112	77	
MQB450-038-118	38	118	80	
MQB450-040-122	40	122	82	
MQB450-045-132	45	132	87	
MQB450-050-142	50	142	92	
MQB450-055-152	55	152	97	
MQB450-060-162	60	162	102	
MQB450-064-169	63.5	169	105.5	
MQB450-070-182	70	182	112	
MQB450-080-202	80	202	122	
MQB450-090-222	90	222	132	
MQB450-100-242	100	242	142	
MQB450-125-292	125	292	167	

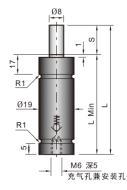
WYHB ECO CO.,LTD

氮气弹簧

Nitrogen springs

MQB750





基本技术参数 BASIC INFORMATION

公称弹压力······750N Nominal Initial Force 最大充气压强………18Mpa

Max.Charging Pressure 最**小充气压强……**2.5Mpa Min.Charging Pressure

Pressure Medium 工作温度范围……20~+80℃ Operating Temperature

最大工作速度·······≤0.8m/s

Mas.Piston Rod Velocity

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min

工作介质………氮气(N2) Max. Recommended Strokes/min

安装使用说明:

MQB750是一种微型的ISO国际标准型或国标型的模具专用氮气弹簧,只作独立使用;在很多情况下可 以直接代替金属弹簧。

MQB750氮气弹簧由于是采用滚压封装,故不可以拆卸和不可维修,但可以进行再充气。

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于 公称弹压力,为750N。

底部M6螺孔用于充气,以可选作安装使用。

MQB750 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

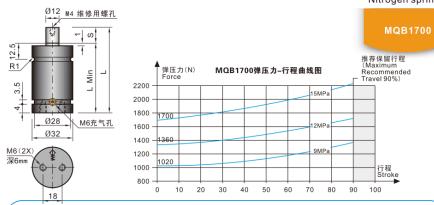
The force could be determined by customer's need from 2.5Mpa~18Mpa.If there is no special requirement, please charge 15Mpa that equals to initial force 750N.

The M6 thread in the base of spring is used for charging and is also a mounting option.

Torder MQB750-010-062 国际标准型(75kg)

Code			Lmin	@¥/P
MQB750-010-062	10	62	52	
MQB750-013-068	13	68	55	
MQB750-015-072	15	72	57	
MQB750-020-082	20	82	62	
MQB750-025-092	25	92	67	
MQB750-030-102	30	102	72	
MQB750-035-112	35	112	77	
MQB750-038-118	38	118	80	
MQB750-040-122	40	122	82	
MQB750-045-132	45	132	87	
MQB750-050-142	50	142	92	
MQB750-055-152	55	152	97	
MQB750-060-162	60	162	102	
MQB750-064-169	63.5	169	105.5	
MQB750-070-182	70	182	112	
MQB750-080-202	80	202	122	
MQB750-090-222	90	222	132	
MQB750-100-242	100	242	142	
MQB750-125-292	125	292	167	

氮气弹簧 Nitrogen springs



基本技术参数 BASIC INFORMATION

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公称弹压力·····1700N Nominal Initial Force 最大充气压强……18Mpa Max.Charging Pressure 最小充气压强……2.5Mpa Min.Charging Pressure

最大工作速度···········≤0.8m/s Mas.Piston Rod Velocity 工作介质…….........氮气(N2) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

安装使用说明:

MQB1700是一种微型的ISO国际标准型或国标型的模具专用氮气弹簧,只作独立使用;在很多情况下可 以直接代替金属弹簧。

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于 公称弹压力,为1700N。

MQB1700 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

The force could be determined by customer's need from 2.5Mpa~18Mpa. If there is no special requirement, please charge 15Mpa that equals to initial force 1700N.

Torder MQB1700-010-070 国际标准型(0.17T)

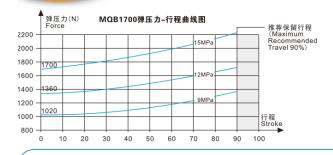
Code	s	L	Lmin	@¥/P
MQB1700-010-070	10	70	60	
MQB1700-013-076	13	76	63	
MQB1700-015-080	15	80	65	
MQB1700-020-090	20	90	70	
MQB1700-025-100	25	100	75	
MQB1700-030-110	30	110	80	
MQB1700-035-120	35	120	85	
MQB1700-038-126	38	126	88	
MQB1700-040-130	40	130	90	
MQB1700-045-140	45	140	95	
MQB1700-050-150	50	150	100	
MQB1700-055-160	55	160	105	
MQB1700-060-170	60	170	110	
MQB1700-064-177	63.5	177	113.5	
MQB1700-070-190	70	190	120	
MQB1700-080-210	80	210	130	
MQB1700-090-230	90	230	140	
MQB1700-100-250	100	250	150	
MQB1700-125-300	125	300	175	

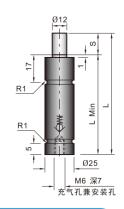
(W) YHB ECO CO.,LTD

氮气弹簧

Nitrogen springs

MQJ1700





基本技术参数 BASIC INFORMATION

公称弹压力······1700N Nominal Initial Force 最大充气压强……18Mpa

Max.Charging Pressure 最小充气压强……2.5Mpa Min.Charging Pressure

工作介质……….........氮气(N2) Pressure Medium 工作温度范围……20~+80℃

Operating Temperature

单位温度压力变化率…±0.3%/℃ 最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity Force Increased by Temperature 推荐工作频率 ········6~60次/min Max. Recommended Strokes/min

安装使用说明:

MQJ1700是一种微型的结构紧凑型模具专用氮气弹簧可以直接代替金属弹簧。

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于

底部M6螺孔用于充气,以可选作安装使用。

MQJ1700 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

The force could be determined by customer's need from 2.5Mpa~18Mpa. If there is no special requirement, please charge 15Mpa that equals to initial force 1700N.

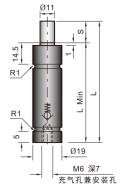
The M6 thread in the base of spring is used for charging and is also a mounting option.

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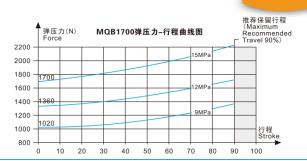
Code			Lmin	@¥/P
MQJ1700-010-062	10	62	52	
MQJ1700-013-068	13	68	55	
MQJ1700-015-072	15	72	57	
MQJ1700-020-082	20	82	62	
MQJ1700-025-092	25	92	67	
MQJ1700-030-102	30	102	72	
MQJ1700-035-112	35	112	77	
MQJ1700-038-118	38	118	80	
MQJ1700-040-122	40	122	82	
MQJ1700-045-132	45	132	87	
MQJ1700-050-142	50	142	92	
MQJ1700-055-152	55	152	97	
MQJ1700-060-162	60	162	102	
MQJ1700-064-169	63.5	169	105.5	
MQJ1700-070-182	70	182	112	
MQJ1700-080-202	80	202	122	
MQJ1700-090-222	90	222	132	
MQJ1700-100-242	100	242	142	
MO 11700 125 202	125	202	167	

氮气弹簧 Nitrogen springs

MQC1700



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基本技术参数 BASIC INFORMATION

公称弹压力······1700N Nominal Initial Force

最大充气压强……18Mpa Max.Charging Pressure

最小充气压强……2.5Mpa Min.Charging Pressure

最大工作速度………≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2)

Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

安装使用说明:

MQC1700是一种微型的结构紧凑型模具专用氮气弹簧可以直接代替金属弹簧。

MQC1700氮气弹簧由于是采用滚压封装,故不可以拆卸和不可维修,但可以进行再充气。

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于 公称弹压力,为1700N。

底部M6螺孔用于充气,以可选作安装使用。

MQC1700 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

The force could be determined by customer's need from 2.5Mpa~18Mpa. If there is no special requirement, please charge 15Mpa that equals to initial force 1700N.

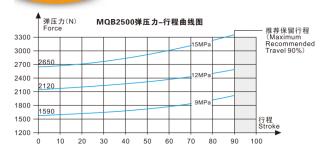
The M6 thread in the base of spring is used for charging and is also a mounting option.

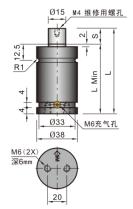
Torder MQC1700-007-044 超紧凑型(0.17T)

Code			Lmin	@¥/P
MQC1700-007-044	7	44	37	
MQC1700-010-050	10	50	40	
MQC1700-013-055	12.7	55.4	42.7	
MQC1700-015-060	15	60	45	
MQC1700-019-068	19	68	49	
MQC1700-025-080	25	80	55	
MQC1700-038-106	38	106	68	
MQC1700-050-130	50	130	80	
MQC1700-063-157	63.5	157	93.5	
MQC1700-075-185	75	185	110	
MQC1700-080-195	80	195	115	
MQC1700-100-235	100	235	135	
MQC1700-125-285	125	285	160	



氮气弹簧 Nitrogen springs





基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力······2500N Nominal Initial Force

最大充气压强……15Mpa Max.Charging Pressure 最小充气压强……2.5Mpa 最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率 ········6~60次/min Max. Recommended Strokes/min

公Order MQB2500-010-070 国际标准型(0.25T)

Code			Lmin	@¥/P
MQB2500-010-070	10	70	60	
MQB2500-013-076	13	76	63	
MQB2500-015-080	15	80	65	
MQB2500-020-090	20	90	70	
MQB2500-025-100	25	100	75	
MQB2500-030-110	30	110	80	
MQB2500-035-120	35	120	85	
MQB2500-038-126	38	126	88	
MQB2500-040-130	40	130	90	
MQB2500-045-140	45	140	95	
MQB2500-050-150	50	150	100	
MQB2500-055-160	55	160	105	
MQB2500-060-170	60	170	110	
MQB2500-064-177	63.5	177	113.5	
MQB2500-070-190	70	190	120	
MQB2500-080-210	80	210	130	
MQB2500-090-230	90	230	140	
MQB2500-100-250	100	250	150	
MQB2500-125-300	125	300	175	

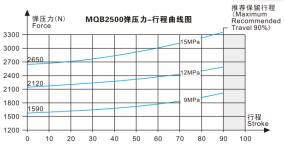
Nitrogen springs

氮气弹簧



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基本技术参数 BASIC INFORMATION

公称弹压力······2500N Nominal Initial Force

Min.Charging Pressure

最大充气压强……15Mpa Max.Charging Pressure 最小充气压强……2.5Mpa 最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率 ·······6~60次/min Max. Recommended Strokes/min

秦Order MO 12500-010-060 短巧型(0.25T)

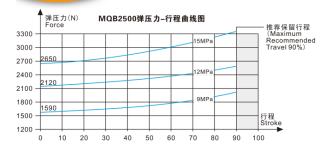
Order MQ32300-010-0	760 位引至(0.251)			
Code			Lmin	@¥/P
MQJ2500-010-060	10	60	50	
MQJ2500-013-066	13	66	53	
MQJ2500-015-070	15	70	55	
MQJ2500-020-080	20	80	60	
MQJ2500-025-090	25	90	65	
MQJ2500-030-100	30	100	70	
MQJ2500-035-110	35	110	75	
MQJ2500-038-116	38	116	78	
MQJ2500-040-120	40	120	80	
MQJ2500-045-130	45	130	85	
MQJ2500-050-140	50	140	90	
MQJ2500-055-150	55	150	95	
MQJ2500-060-160	60	160	100	
MQJ2500-064-167	63.5	167	103.5	
MQJ2500-070-180	70	180	110	
MQJ2500-080-200	80	200	120	
MQJ2500-090-220	90	220	130	
MQJ2500-100-240	100	240	140	
MQJ2500-125-390	125	290	165	

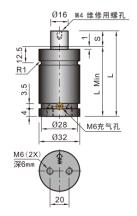
单籍系列 Springs series

(III) YHB ECO CO.,LTD

氮气弹簧 Nitrogen springs

MQC2500





基本技术参数 BASIC INFORMATION

公称弹压力······2500N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure

最小充气压强………2.5Mpa Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity

Pressure Medium

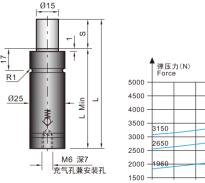
工作温度范围……20~+80℃ Operating Temperature

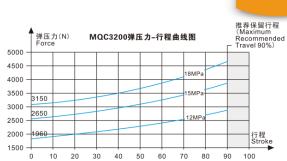
单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

Torder MQC2500-010-050 超紧凑型(0.25T)

Code			Lmin	@¥/P
MQC2500-010-050	10	50	40	
MQC2500-013-056	13	56	43	
MQC2500-015-060	15	60	45	
MQC2500-020-070	20	70	50	
MQC2500-025-080	25	80	55	
MQC2500-030-090	30	90	60	
MQC2500-035-100	35	100	65	
MQC2500-038-106	38	106	68	
MQC2500-040-110	40	110	70	
MQC2500-045-120	45	120	75	
MQC2500-050-130	50	130	80	
MQC2500-055-140	55	140	85	
MQC2500-060-150	60	150	90	
MQC2500-064-157	63.5	157	93.5	
MQC2500-070-170	70	170	100	
MQC2500-080-190	80	190	110	
MQC2500-090-210	90	210	120	
MQC2500-100-230	100	230	130	
MQC2500-125-280	125	280	155	

氮气弹簧 Nitrogen springs





基本技术参数 BASIC INFORMATION

公称弹压力······3200N Nominal Initial Force

最大充气压强……18Mpa

Max.Charging Pressure Pressure Medium 最**小充气压强……**2.5Mpa

工作温度范围……20~+80℃ Min.Charging Pressure Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

安装使用说明:

MQC3200是一种微型的ISO国际标准型或国标型的模具专用氮气弹簧,只作独立使用;在很多情况下可 以直接代替金属弹簧。

MQC3200氮气弹簧由于是采用滚压封装,故不可以拆卸和不可维修,但可以进行再充气。

最大工作速度·······≤0.8m/s

工作介质………氮气(N2)

Mas.Piston Rod Velocity

充气压强:可以根据用户要求按2.5Mpa~18Mpa充气:如无特殊要求,则按15Mpa,此时初始弹压力则等于 公称弹压力,为2650N。

底部M6螺孔用于充气,以可选作安装使用。

MQC3200 is ISO international standard and widely used gas spring. Normally, it is selt-contained and could take place of regular metal springs.

The force could be determined by customer's need from 2.5Mpa~18Mpa.If there is no special requirement, please charge 15Mpa that equals to initial force 2650N.

The M6 thread in the base of spring is used for charging and is also a mounting option.

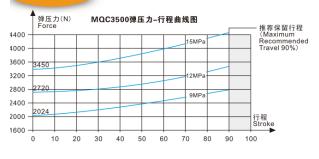
Torder MQC3200-007-044 超紧凑型(0.32T)

	Code			Lmin	@¥/P
	MQC3200-007-044	7	44	37	
	MQC3200-010-050	10	50	40	
	MQC3200-013-055	12.7	55.4	42.7	
	MQC3200-015-060	15	60	45	
	MQC3200-019-068	19	68	49	
	MQC3200-025-080	25	80	55	
	MQC3200-038-106	38	106	68	
	MQC3200-050-130	50	130	80	
	MQC3200-063-157	63.5	157	93.5	
	MQC3200-075-185	75	185	110	
	MQC3200-080-195	80	195	115	
	MQC3200-100-235	100	235	135	
- 1	MQC3200-125-285	125	285	160	

弹簧系列 Springs series



氮气弹簧 Nitrogen springs





基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力······3500N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure 最小充气压强……2.5Mpa 最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

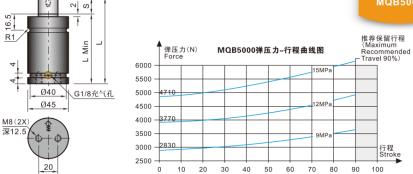
工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率 ········6~60次/min Max. Recommended Strokes/min

TOTAL MQC3500-010-050 超紧凑型(0.35T)

Code			Lmin	@¥/P
MQC3500-010-050	10	50	40	
MQC3500-013-055	13	55.4	42.7	
MQC3500-015-060	15	60	45	
MQC3500-019-068	19	68	49	
MQC3500-025-080	25	80	55	
MQC3500-032-094	32	94	62	
MQC3500-038-106	38	106	68	
MQC3500-050-130	50	130	80	
MQC3500-063-156	63	156	93	
MQC3500-075-180	75	180	105	
MQC3500-080-190	80	190	110	
MQC3500-100-230	100	230	130	
MQC3500-125-280	125	280	155	





最大工作速度·······≤0.8m/s

Mas.Piston Rod Velocity

基本技术参数 BASIC INFORMATION

公称弹压力······5000N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure

工作介质………氮气(N2) Pressure Medium 工作温度范围……20~+80℃ 最小充气压强……2.5Mpa Min.Charging Pressure Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

TO----- MODEOOO 040 444 FEE-W-BIO ET

Code			Lmin	@¥/P
MQB5000-013-111	13	111	98	
MQB5000-015-115	15	115	100	
MQB5000-020-125	20	125	105	
MQB5000-025-135	25	135	110	
MQB5000-030-145	30	145	115	
MQB5000-035-155	35	155	120	
MQB5000-038-161	38	161	123	
MQB5000-040-165	40	165	125	
MQB5000-045-175	45	175	130	
MQB5000-050-185	50	185	135	
MQB5000-055-195	55	195	140	
MQB5000-060-205	60	205	145	
MQB5000-064-212	63.5	212	148.5	
MQB5000-070-225	70	225	155	
MQB5000-080-245	80	245	165	
MQB5000-090-265	90	265	175	
MQB5000-100-285	100	285	185	
MQB5000-125-335	125	335	210	
MQB5000-160-405	160	405	245	

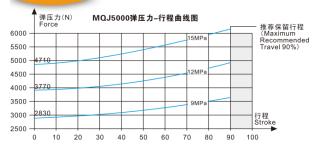


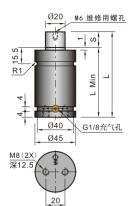
氮气弹簧

氮气弹簧

Nitrogen springs

MO.15000





基本技术参数 BASIC INFORMATION

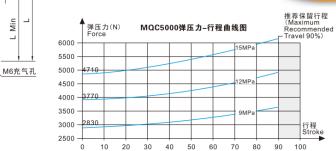
Min.Charging Pressure

公称弹压力········5000N Nominal Initial Force 最大充气压强········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa 工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

Order MQJ5000-010-070 短巧型(0.5T)

Code			Lmin	@¥/P
MQJ5000-010-070	10	70	60	
MQJ5000-013-076	13	76	63	
MQJ5000-015-080	15	80	65	
MQJ5000-020-090	20	90	70	
MQJ5000-025-100	25	100	75	
MQJ5000-030-110	30	110	80	
MQJ5000-035-120	35	120	85	
MQJ5000-038-126	38	126	88	
MQJ5000-040-130	40	130	90	
MQJ5000-045-140	45	140	95	
MQJ5000-050-150	50	150	100	
MQJ5000-055-160	55	160	105	
MQJ5000-060-170	60	170	110	
MQJ5000-064-177	63.5	177	113.5	
MQJ5000-070-190	70	190	120	
MQJ5000-080-210	80	210	130	
MQJ5000-090-230	90	230	140	
MQJ5000-100-250	100	250	150	
MQJ5000-125-300	125	300	175	

MQC5000 Nitrogen springs



基本技术参数 BASIC INFORMATION

Ø33

Ø38

M6 (2X)

7///////

公称弹压力·······5000N Nominal Initial Force 最大充气压强·······15Mpa Max.Charging Pressure 最小充气压强······2.5Mpa

Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质··········氮气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

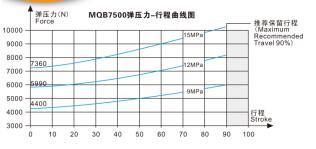
Torder MQC5000-010-070 超紧凑型(0.5T)

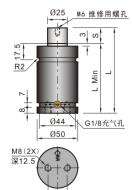
	,			
Code			Lmin	@¥/P
MQC5000-010-050	10	50	40	
MQC5000-013-056	13	56	43	
MQC5000-015-060	15	60	45	
MQC5000-020-070	20	70	50	
MQC5000-025-080	25	80	55	
MQC5000-030-090	30	90	60	
MQC5000-035-100	35	100	65	
MQC5000-038-106	38	106	68	
MQC5000-040-110	40	110	70	
MQC5000-045-120	45	120	75	
MQC5000-050-130	50	130	80	
MQC5000-055-140	55	140	85	
MQC5000-060-150	60	150	90	
MQC5000-064-157	63.5	157	93.5	
MQC5000-070-170	70	170	100	
MQC5000-080-190	80	190	110	
MQC5000-090-210	90	210	120	
MQC5000-100-230	100	230	130	
MQC5000-125-280	125	280	155	



氮气弹簧 Nitrogen springs







基本技术参数 BASIC INFORMATION

公称弹压力·······7500N Nominal Initial Force

最大充气压强·······15Mpa Max.Charging Pressure

最小充气压强·······2.5Mpa Min.Charging Pressure 最**大工作速度·······**≤0.8m/s Mas.Piston Rod Velocity

工作介质·························氮气(N2) Pressure Medium

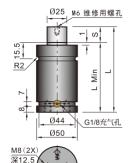
工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

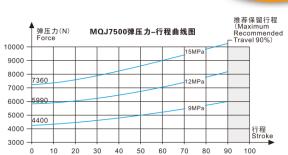
公Order MQB7500-013-121 国际标准型(0.75T)

Code	S	L	Lmin	@¥/P
MQB7500-013-121	13	121	108	
MQB7500-015-125	15	125	110	
MQB7500-020-135	20	135	115	
MQB7500-025-145	25	145	120	
MQB7500-030-155	30	155	125	
MQB7500-035-165	35	165	130	
MQB7500-038-171	38	171	133	
MQB7500-040-175	40	175	135	
MQB7500-045-185	45	185	140	
MQB7500-050-195	50	195	145	
MQB7500-055-205	55	205	150	
MQB7500-060-215	60	215	155	
MQB7500-064-222	63.5	222	158.5	
MQB7500-070-235	70	235	165	
MQB7500-080-255	80	255	175	
MQB7500-090-275	90	275	185	
MQB7500-100-295	100	295	195	
MQB7500-125-345	125	345	220	
MQB7500-160-415	160	415	255	
MQB7500-200-495	200	495	295	

氮气弹簧 Nitrogen springs

MQJ7500





基本技术参数 BASIC INFORMATION

公称弹压力······7500N Nominal Initial Force

最**大充气压强·······**15Mpa Max.Charging Pressure

最小充气压强·······2.5Mpa Min.Charging Pressure 最大工作速度··········≤0.8m/s Mas.Piston Rod Velocity

工作介质···················氮气(N2) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

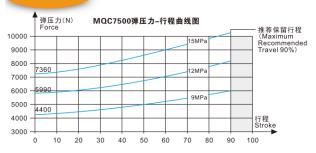
TOTAL MQJ7500-010-070 短巧型(0.75T)

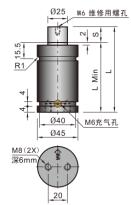
Code			Lmin	@¥/P
MQJ7500-010-070	10	70	60	
MQJ7500-013-076	13	76	63	
MQJ7500-015-080	15	80	65	
MQJ7500-020-090	20	90	70	
MQJ7500-025-100	25	100	75	
MQJ7500-030-110	30	110	80	
MQJ7500-035-120	35	120	85	
MQJ7500-038-126	38	126	88	
MQJ7500-040-130	40	130	90	
MQJ7500-045-140	45	140	95	
MQJ7500-050-150	50	150	100	
MQJ7500-055-160	55	160	105	
MQJ7500-060-170	60	170	110	
MQJ7500-064-177	63.5	177	113.5	
MQJ7500-070-190	70	190	120	
MQJ7500-080-210	80	210	130	
MQJ7500-090-230	90	230	140	
MQJ7500-100-250	100	250	150	
MQJ7500-125-300	125	300	175	



氮气弹簧 Nitrogen springs

MQC7500





基本技术参数 BASIC INFORMATION

公称弹压力·······7500N Nominal Initial Force

最大充气压强·······15Mpa Max.Charging Pressure

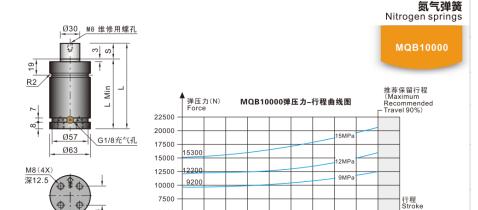
最小充气压强·······2.5Mpa Min.Charging Pressure 最大工作速度········≤0.8m/s Mas.Piston Rod Velocity 工作介质··················氮气(N²)

Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

公Order MQC7500-010-052 超紧凑型(0.75T)

Code	s	L	Lmin	@¥/P
MQC7500-010-052	10	52	42	
MQC7500-013-058	13	58	45	
MQC7500-015-062	15	62	47	
MQC7500-020-072	20	72	52	
MQC7500-025-082	25	82	57	
MQC7500-030-092	30	92	62	
MQC7500-035-102	35	102	67	
MQC7500-038-108	38	108	70	
MQC7500-040-112	40	112	72	
MQC7500-045-122	45	122	77	
MQC7500-050-132	50	132	82	
MQC7500-055-142	55	142	87	
MQC7500-060-152	60	152	92	
MQC7500-064-159	63.5	159	95.5	
MQC7500-070-172	70	172	102	
MQC7500-080-192	80	192	112	
MQC7500-090-212	90	212	122	
MQC7500-100-232	100	232	132	
MOC7500-125-282	125	282	157	



基本技术参数 BASIC INFORMATION

公称弹压力·······10000N Nominal Initial Force

5000

最大充气压强········15Mpa Max.Charging Pressure

最小充气压强·······2.5Mpa Min.Charging Pressure 最大工作速度··········≤0.8m/s Mas.Piston Rod Velocity

10 20 30 40 50 60 70 80 90 100

工作介质·················氮气(N2**)** Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

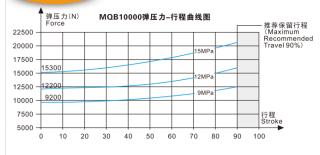
TOTAL MQB10000-013-126 国际标准型(1T)

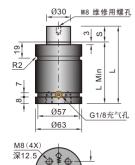
Code			Lmin	@¥/P
MQB10000-013-126	13	126	113	
MQB10000-015-130	15	130	115	
MQB10000-020-140	20	140	120	
MQB10000-025-150	25	150	125	
MQB10000-030-160	30	160	130	
MQB10000-035-170	35	170	135	
MQB10000-038-176	38	176	138	
MQB10000-040-180	40	180	140	
MQB10000-045-190	45	190	145	
MQB10000-050-200	50	200	150	
MQB10000-055-210	55	210	155	
MQB10000-060-220	60	220	160	
MQB10000-064-227	63.5	227	163.5	
MQB10000-070-240	70	240	170	
MQB10000-080-260	80	260	180	
MQB10000-090-280	90	280	190	
MQB10000-100-300	100	300	200	
MQB10000-125-350	125	350	225	
MQB10000-160-420	160	420	260	
MQB10000-200-500	200	500	300	





MQJ10000





基本技术参数 BASIC INFORMATION

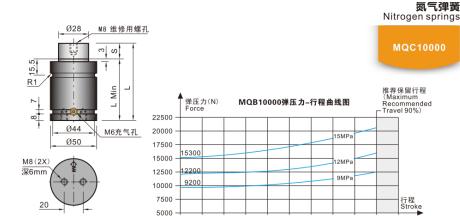
Min.Charging Pressure

公称弹压力·········10000N Nominal Initial Force 最大充气压强·········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa 最大工作速度········≤0.8m/s Mas.Piston Rod Velocity 工作介质·················· 氮气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

☎Order MQJ10000-010-075 短巧型(1T)

Code				@¥/P
MQJ10000-010-075	10	75	65	
MQJ10000-013-081	13	81	68	
MQJ10000-015-085	15	85	70	
MQJ10000-020-095	20	95	75	
MQJ10000-025-105	25	105	80	
MQJ10000-030-115	30	115	85	
MQJ10000-035-125	35	125	90	
MQJ10000-038-131	38	131	93	
MQJ10000-040-135	40	135	95	
MQJ10000-045-145	45	145	100	
MQJ10000-050-155	50	155	105	
MQJ10000-055-165	55	165	110	
MQJ10000-060-175	60	175	115	
MQJ10000-064-182	63.5	182	118.5	
MQJ10000-070-195	70	195	125	
MQJ10000-080-215	80	215	135	
MQJ10000-090-235	90	235	145	
MQJ10000-100-255	100	255	155	
MO 110000-125-305	125	305	180	



20

最大工作速度………≤0.8m/s

Mas. Piston Rod Velocity

30 40

50 60 70 80

基本技术参数 BASIC INFORMATION

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公称弹压力·······10000N Nominal Initial Force 最大充气压强·······15Mpa Max.Charging Pressure

0 10

单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

90 100

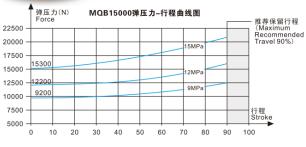
TOTAL MACCIONOU-010-058 超紧凑型(1T)

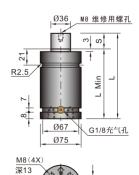
Code	s	L	Lmin	@¥/P
MQC10000-010-058	10	58	48	
MQC10000-013-064	13	64	51	
MQC10000-015-068	15	68	53	
MQC10000-020-078	20	78	58	
MQC10000-025-088	25	88	63	
MQC10000-030-098	30	98	68	
MQC10000-035-108	35	108	73	
MQC10000-038-114	38	114	76	
MQC10000-040-118	40	118	78	
MQC10000-045-128	45	128	83	
MQC10000-050-138	50	138	88	
MQC10000-055-148	55	148	93	
MQC10000-060-158	60	158	98	
MQC10000-064-165	63.5	165	101.5	
MQC10000-070-178	70	178	108	
MQC10000-080-198	80	198	118	
MQC10000-090-218	90	218	128	
MQC10000-100-238	100	238	138	
MQC10000-125-288	125	288	163	





MQB15000







基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力···········15000N Nominal Initial Force 最大充气压强··········15Mpa Max.Charging Pressure 最小充气压强········2.5Mpa

工作温度范围·······20~+80℃ Operating Temperature

最大工作速度·······≤0.8m/s

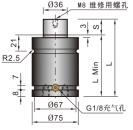
单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率········6~60次/min Max. Recommended Strokes/min

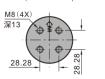
公Order MQB15000-015-140 国际标准型(1.5T)

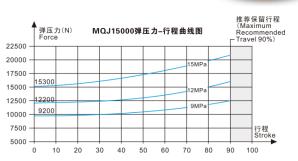
Code			Lmin	@¥/P
MQB15000-015-140	15	140	125	
MQB15000-025-160	25	160	135	
MQB15000-030-170	30	170	140	
MQB15000-035-180	35	180	145	
MQB15000-038-186	38	186	148	
MQB15000-040-190	40	190	150	
MQB15000-045-200	45	200	155	
MQB15000-050-210	50	210	160	
MQB15000-055-220	55	220	165	
MQB15000-060-230	60	230	170	
MQB15000-064-237	63.5	237	173.5	
MQB15000-070-250	70	250	180	
MQB15000-080-270	80	270	190	
MQB15000-090-290	90	290	200	
MQB15000-100-310	100	310	210	
MQB15000-125-360	125	360	235	
MQB15000-160-430	160	430	270	
MQB15000-200-510	200	510	310	
MQB15000-250-610	250	610	360	
MQB15000-300-710	300	710	410	

氮气弹簧 Nitrogen springs

MQJ15000







基本技术参数 BASIC INFORMATION

公称弹压力..........15000N Nominal Initial Force 最大充气压强.........15Mpa Max.Charging Pressure 最小充气压强........2.5Mpa Min.Charging Pressure

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

TOTAL MOJ15000-010-080 短巧型(1.5T)

Code			Lmin	@¥/P
MQJ15000-010-080	10	80	70	
MQJ15000-013-086	13	86	73	
MQJ15000-015-090	15	90	75	
MQJ15000-020-100	20	100	80	
MQJ15000-025-110	25	110	85	
MQJ15000-030-120	30	120	90	
MQJ15000-035-130	35	130	95	
MQJ15000-038-136	38	136	98	
MQJ15000-040-140	40	140	100	
MQJ15000-045-150	45	150	105	
MQJ15000-050-160	50	160	110	
MQJ15000-055-170	55	170	115	
MQJ15000-060-180	60	180	120	
MQJ15000-064-187	63.5	187	123.5	
MQJ15000-070-200	70	200	130	
MQJ15000-080-220	80	220	140	
MQJ15000-090-240	90	240	150	
MQJ15000-100-260	100	260	160	
MQJ15000-125-310	125	310	185	

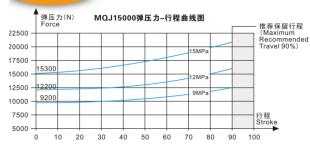


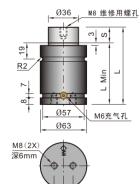
MQB24000

氮气弹簧

Nitrogen springs

MQC15000





基本技术参数 BASIC INFORMATION

公称弹压力·······15000N Nominal Initial Force 最大充气压强······15Mpa

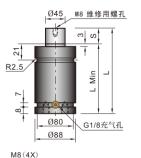
Max.Charging Pressure 最小充气压强·······2.5Mpa Min.Charging Pressure 最大工作速度······· ≤ 0.8m/s Mas.Piston Rod Velocity 工作介质············氮气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

Torder MQC15000-010-064 超紧凑型(1.5T)

Code			Lmin	@¥/P
MQC15000-010-064	10	64	54	
MQC15000-013-070	13	70	57	
MQC15000-015-074	15	74	59	
MQC15000-020-084	20	84	64	
MQC15000-025-094	25	94	69	
MQC15000-030-104	30	104	74	
MQC15000-035-114	35	114	79	
MQC15000-038-120	38	120	82	
MQC15000-040-124	40	124	84	
MQC15000-045-134	45	134	89	
MQC15000-050-144	50	144	94	
MQC15000-055-154	55	154	99	
MQC15000-060-164	60	164	104	
MQC15000-064-171	63.5	171	107.5	
MQC15000-070-184	70	184	114	
MQC15000-080-204	80	204	124	
MQC15000-090-224	90	224	134	
MQC15000-100-244	100	244	144	
MOC15000-125-294	125	204	169	

氮气弹簧 Nitrogen springs



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基本技术参数 BASIC INFORMATION

公称弹压力······24000N Nominal Initial Force 最大充气压强·······15Mpa

服人尤て圧強 Max.Charging Pressure 最小充气圧强·······2.5Mpa Min.Charging Pressure 最大工作速度······· ≤ 0.8m/s Mas.Piston Rod Velocity 工作介质··········氮气(N²) Pressure Medium

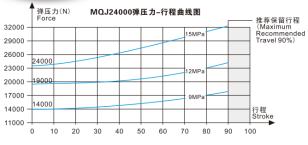
工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

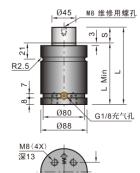
公Order MQB24000-020-150 国际标准型(2.4T)

Code			Lmin	@¥/P
MQB24000-020-150	20	150	130	
MQB24000-025-160	25	160	135	
MQB24000-030-170	30	170	140	
MQB24000-035-180	35	180	145	
MQB24000-038-186	38	186	148	
MQB24000-040-190	40	190	150	
MQB24000-045-200	45	200	155	
MQB24000-050-210	50	210	160	
MQB24000-055-220	55	220	165	
MQB24000-060-230	60	230	170	
MQB24000-064-237	63.5	237	173.5	
MQB24000-070-250	70	250	180	
MQB24000-080-270	80	270	190	
MQB24000-090-290	90	290	200	
MQB24000-100-310	100	310	210	
MQB24000-125-360	125	360	235	
MQB24000-160-430	160	430	270	
MQB24000-200-510	200	510	310	
MQB24000-250-610	250	610	360	
MQB24000-300-710	300	710	410	









基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力······24000N Nominal Initial Force 最大充气压强………15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa 最大工作速度………≤0.8m/s Mas. Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

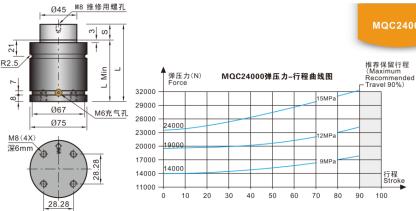
单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

Torder MQJ24000-010-085 短巧型(2.4T)

Code			Lmin	@¥/P
MQJ24000-010-085	10	85	75	
MQJ24000-013-091	13	91	78	
MQJ24000-015-095	15	95	80	
MQJ24000-020-105	20	105	85	
MQJ24000-025-115	25	115	90	
MQJ24000-030-125	30	125	95	
MQJ24000-035-135	35	135	100	
MQJ24000-038-141	38	141	103	
MQJ24000-040-145	40	145	105	
MQJ24000-045-155	45	155	110	
MQJ24000-050-165	50	165	115	
MQJ24000-055-175	55	175	120	
MQJ24000-060-185	60	185	125	
MQJ24000-064-192	63.5	192	128.5	
MQJ24000-070-205	70	205	135	
MQJ24000-080-225	80	225	145	
MQJ24000-090-245	90	245	155	
MQJ24000-100-265	100	265	165	
MQJ24000-125-315	125	315	190	

氮气弹簧 Nitrogen springs

MQC24000



基本技术参数 BASIC INFORMATION

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公称弹压力······24000N Nominal Initial Force 最大充气压强……15Mpa Max.Charging Pressure 最小充气压强……2.5Mpa

Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas. Piston Rod Velocity 工作介质…….........氮气(N2) Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率 ········6~60次/min Max. Recommended Strokes/min

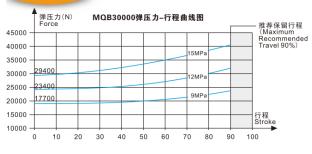
Torder MQC24000-010-065 超紧凑型(2.4T)

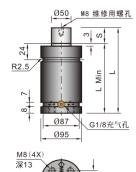
Code			Lmin	@¥/P
MQC24000-010-065	10	65	55	
MQC24000-013-071	13	71	58	
MQC24000-015-075	15	75	60	
MQC24000-020-085	20	85	65	
MQC24000-025-095	25	95	70	
MQC24000-030-105	30	105	75	
MQC24000-035-115	35	115	80	
MQC24000-038-121	38	121	83	
MQC24000-040-125	40	125	85	
MQC24000-045-135	45	135	90	
MQC24000-050-145	50	145	95	
MQC24000-055-155	55	155	100	
MQC24000-060-165	60	165	105	
MQC24000-064-172	63.5	172	108.5	
MQC24000-070-185	70	185	115	
MQC24000-080-205	80	205	125	
MQC24000-090-225	90	225	135	
MQC24000-100-245	100	245	145	
MQC24000-125-295	125	295	170	





MQB30000





基本技术参数 BASIC INFORMATION

公称弹压力·········30000N Nominal Initial Force 最大充气压强·········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa Min.Charging Pressure 工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

Torder MQB30000-020-160 国际标准型(3T)

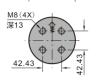
Code			Lmin	@¥/P
MQB30000-020-160	20	160	140	
MQB30000-025-170	25	170	145	
MQB30000-030-180	30	180	150	
MQB30000-035-190	35	190	155	
MQB30000-038-196	38	196	158	
MQB30000-040-200	40	200	160	
MQB30000-045-210	45	210	165	
MQB30000-050-220	50	220	170	
MQB30000-055-230	55	230	175	
MQB30000-060-240	60	240	180	
MQB30000-064-247	63.5	247	183.5	
MQB30000-070-260	70	260	190	
MQB30000-080-280	80	280	200	
MQB30000-090-300	90	300	210	
MQB30000-100-320	100	320	220	
MQB30000-125-370	125	370	245	
MQB30000-160-440	160	440	280	
MQB30000-200-520	200	520	320	
MQB30000-250-620	250	620	370	
MQB30000-300-720	300	720	420	

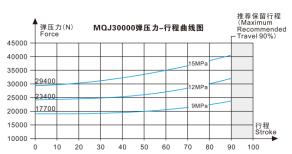
氮气弹簧 Nitrogen springs

MQJ30000



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基本技术参数 BASIC INFORMATION

公称弹压力··········30000N Nominal Initial Force 最大充气压强·········15Mpa Max.Charging Pressure 最小充气压强········2.5Mpa Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质················· 氮气(N²) Pressure Medium 工作温度苗園············20~+80℃

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

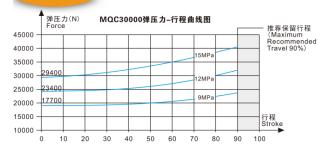
TOTAL MQJ30000-010-090 短巧型(3T)

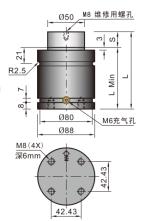
Code			Lmin	@¥/P
MQJ30000-010-090	10	90	80	
MQJ30000-013-096	13	96	83	
MQJ30000-015-100	15	100	85	
MQJ30000-020-110	20	110	90	
MQJ30000-025-120	25	120	95	
MQJ30000-030-130	30	130	100	
MQJ30000-035-140	35	140	105	
MQJ30000-038-146	38	146	108	
MQJ30000-040-150	40	150	110	
MQJ30000-045-160	45	160	115	
MQJ30000-050-170	50	170	120	
MQJ30000-055-180	55	180	125	
MQJ30000-060-190	60	190	130	
MQJ30000-064-197	63.5	197	133.5	
MQJ30000-070-210	70	210	140	
MQJ30000-080-230	80	230	150	
MQJ30000-090-250	90	250	160	
MQJ30000-100-270	100	270	170	
MQJ30000-125-320	125	320	195	



氮气弹簧 Nitrogen springs

MQC30000





基本技术参数 BASIC INFORMATION

公称弹压力······30000N Nominal Initial Force 最大充气压强·······15Mpa

最大充气压强········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa

最小充气压强·······2.5Mpa Min.Charging Pressure Pressure Medium

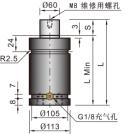
工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

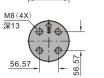
TOTAL MQC30000-010-075 超紧凑型(3T)

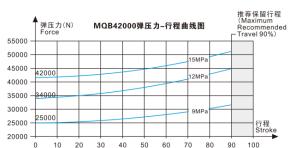
Code			Lmin	@¥/P
MQC30000-010-075	10	75	65	
MQC30000-013-081	13	81	68	
MQC30000-015-085	15	85	70	
MQC30000-020-095	20	95	75	
MQC30000-025-105	25	105	80	
MQC30000-030-115	30	115	85	
MQC30000-035-125	35	125	90	
MQC30000-038-131	38	131	93	
MQC30000-040-135	40	135	95	
MQC30000-045-145	45	145	100	
MQC30000-050-155	50	155	105	
MQC30000-055-165	55	165	110	
MQC30000-060-175	60	175	115	
MQC30000-064-182	63.5	182	118.5	
MQC30000-070-195	70	195	125	
MQC30000-080-215	80	215	135	
MQC30000-090-235	90	235	145	
MQC30000-100-255	100	255	155	
MQC30000-125-305	125	305	180	

氮**气弹簧** Nitrogen springs

MQB42000







基本技术参数 BASIC INFORMATION

公称弹压力·······42000N

Nominal Initial Force 最大充气压强········15Mpa Max.Charging Pressure

最小充气压强·······2.5Mpa Min.Charging Pressure 最大工作速度············≤0.8m/s Mas.Piston Rod Velocity

工作介质··················氮气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 60 70 80 90 100

单位温度压力变化率···±0.3%/℃

Force Increased by Temperature

推荐工作频率 ·······6~60次/min

Max. Recommended Strokes/min

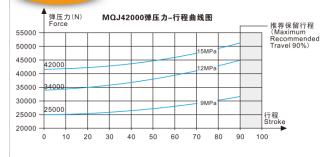
Torder MQB42000-020-160 国际标准型(4.2T)

	100 HISTOREM(11E1)			
Code			Lmin	@¥/P
MQB42000-020-160	20	160	140	
MQB42000-025-170	25	170	145	
MQB42000-030-180	30	180	150	
MQB42000-035-190	35	190	155	
MQB42000-038-196	38	196	158	
MQB42000-040-200	40	200	160	
MQB42000-045-210	45	210	165	
MQB42000-050-220	50	220	170	
MQB42000-055-230	55	230	175	
MQB42000-060-240	60	240	180	
MQB42000-064-247	63.5	247	183.5	
MQB42000-070-260	70	260	190	
MQB42000-080-280	80	280	200	
MQB42000-090-300	90	300	210	
MQB42000-100-320	100	320	220	
MQB42000-125-370	125	370	245	
MQB42000-160-440	160	440	280	
MQB42000-200-520	200	520	320	
MQB42000-250-620	250	620	370	
MQB42000-300-720	300	720	420	



氮气弹簧 Nitrogen springs

MQJ42000





基本技术参数 BASIC INFORMATION

Min.Charging Pressure

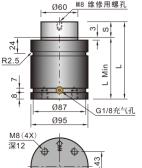
公称弹压力·········42000N Nominal Initial Force 最大充气压强········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa 工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

TOTAL MQJ42000-010-095 短巧型(4.2T)

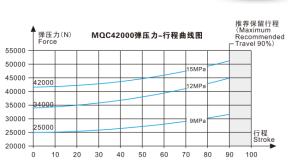
Code			Lmin	@¥/P
MQJ42000-010-095	10	95	85	
MQJ42000-013-101	13	101	88	
MQJ42000-015-105	15	105	90	
MQJ42000-020-115	20	115	95	
MQJ42000-025-125	25	125	100	
MQJ42000-030-135	30	135	105	
MQJ42000-035-145	35	145	110	
MQJ42000-038-151	38	151	113	
MQJ42000-040-155	40	155	115	
MQJ42000-045-165	45	165	120	
MQJ42000-050-175	50	175	125	
MQJ42000-055-185	55	185	130	
MQJ42000-060-195	60	195	135	
MQJ42000-064-202	63.5	202	138.5	
MQJ42000-070-215	70	215	145	
MQJ42000-080-235	80	235	155	
MQJ42000-090-255	90	255	165	
MQJ42000-100-275	100	275	175	
MO.I42000-125-325	125	325	200	

氮气彈簧 Nitrogen springs

MQC42000



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基本技术参数 BASIC INFORMATION

公称弹压力·········42000N Nominal Initial Force 最大充气压强········15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa

Min.Charging Pressure

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

公Order MQC42000-010-078 超紧凑型(4.2T)

Code			Lmin	@¥/P
MQC42000-010-078	10	78	68	
MQC42000-013-084	13	84	71	
MQC42000-015-088	15	88	73	
MQC42000-020-098	20	98	78	
MQC42000-025-108	25	108	83	
MQC42000-030-118	30	118	88	
MQC42000-035-128	35	128	93	
MQC42000-038-134	38	134	96	
MQC42000-040-138	40	138	98	
MQC42000-045-148	45	148	103	
MQC42000-050-158	50	158	108	
MQC42000-055-168	55	168	113	
MQC42000-060-178	60	178	118	
MQC42000-064-185	63.5	185	121.5	
MQC42000-070-198	70	198	128	
MQC42000-080-218	80	218	138	
MQC42000-090-238	90	238	148	
MQC42000-100-258	100	258	158	
MQC42000-125-308	125	308	183	



MQJ50000

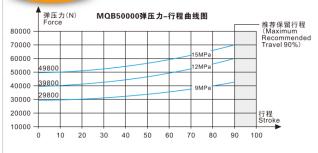
推荐保留行程 (Maximum Recommended Travel 90%)

> 行程 Stroke

100

氮气弹簧 Nitrogen springs

MQB50000







基本技术参数 BASIC INFORMATION

Min.Charging Pressure

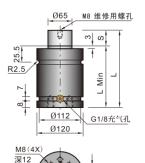
公称弹压力···········50000N Nominal Initial Force 最大充气压强··········15Mpa Max.Charging Pressure 最小充气压强········2.5Mpa 最大工作速度············ ≤ 0.8m/s Mas.Piston Rod Velocity 工作介质······················ 氦气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

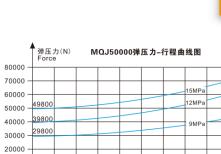
Torder MQB50000-020-180 国际标准型(5T)

Code			Lmin	@¥/P
MQB50000-020-180	20	180	160	
MQB50000-025-190	25	190	165	
MQB50000-030-200	30	200	170	
MQB50000-035-210	35	210	175	
MQB50000-038-216	38	216	178	
MQB50000-040-220	40	220	180	
MQB50000-045-230	45	230	185	
MQB50000-050-240	50	240	190	
MQB50000-055-250	55	250	195	
MQB50000-060-260	60	260	200	
MQB50000-064-267	63.5	267	203.5	
MQB50000-070-270	70	280	210	
MQB50000-080-300	80	300	220	
MQB50000-090-320	90	320	230	
MQB50000-100-340	100	340	240	
MQB50000-125-390	125	390	265	
MQB50000-160-460	160	460	300	
MQB50000-200-540	200	540	340	
MQB50000-250-640	250	640	390	
MQB50000-300-740	300	740	440	

氮气弹簧 Nitrogen springs



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基本技术参数 BASIC INFORMATION

公称弹压力............50000N Nominal Initial Force 最大充气压强............15Mpa Max.Charging Pressure 最小充气压强............2.5Mpa Min.Charging Pressure

20 30 40 50 60 70

10000

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率········6~60次/min Max. Recommended Strokes/min

TOTAL MQJ50000-010-100 短巧型(5T)

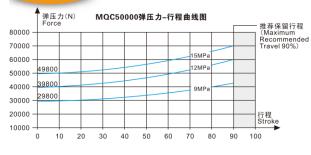
Code			Lmin	@¥/P
MQJ50000-010-100	10	100	90	
MQJ50000-013-106	13	106	93	
MQJ50000-015-110	15	110	95	
MQJ50000-020-120	20	120	100	
MQJ50000-025-130	25	130	105	
MQJ50000-030-140	30	140	110	
MQJ50000-035-150	35	150	115	
MQJ50000-038-156	38	156	118	
MQJ50000-040-160	40	160	120	
MQJ50000-045-170	45	170	125	
MQJ50000-050-180	50	180	130	
MQJ50000-055-190	55	190	135	
MQJ50000-060-200	60	200	140	
MQJ50000-064-207	63.5	207	143.5	
MQJ50000-070-220	70	220	150	
MQJ50000-080-240	80	240	160	
MQJ50000-090-260	90	260	170	
MQJ50000-100-280	100	280	180	
MQJ50000-125-330	125	330	205	

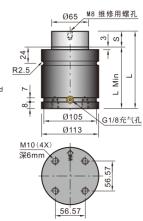


氮气弹簧

Nitrogen springs

MQC50000





基本技术参数 BASIC INFORMATION

公称弹压力······50000N Nominal Initial Force 最大充气压强………15Mpa

Max.Charging Pressure 最小充气压强………2.5Mpa Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

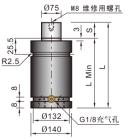
工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

TOTAL MQC50000-010-085 超紧凑型(5T)

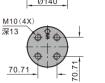
Code			Lmin	@¥/P
MQC50000-010-085	10	85	75	
MQC50000-013-091	13	91	78	
MQC50000-015-095	15	95	80	
MQC50000-020-105	20	105	85	
MQC50000-025-115	25	115	90	
MQC50000-030-125	30	125	95	
MQC50000-035-135	35	135	100	
MQC50000-038-141	38	141	103	
MQC50000-040-145	40	145	105	
MQC50000-045-155	45	155	110	
MQC50000-050-165	50	165	115	
MQC50000-055-175	55	175	120	
MQC50000-060-185	60	185	125	
MQC50000-064-192	63.5	192	128.5	
MQC50000-070-205	70	205	135	
MQC50000-080-225	80	225	145	
MQC50000-090-245	90	245	155	
MQC50000-100-265	100	265	165	
MQC50000-125-315	125	315	190	

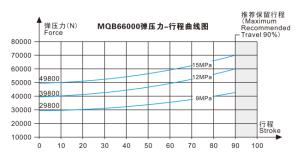
氮气弹簧



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基本技术参数 BASIC INFORMATION

公称弹压力······66000N Nominal Initial Force 最大充气压强………15Mpa

工作介质·······氮气(N2) Pressure Medium Max.Charging Pressure 最小充气压强………2.5Mpa Min.Charging Pressure

工作温度范围……20~+80℃ Operating Temperature

最大工作速度·······≤0.8m/s

Mas.Piston Rod Velocity

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率 ·······6~60次/min Max. Recommended Strokes/min

☎Order MQB66000-020-180 国际标准型(6.6T)

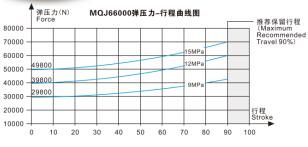
Code			Lmin	@¥/P
MQB66000-020-180	20	180	160	
MQB66000-025-190	25	190	165	
MQB66000-030-200	30	200	170	
MQB66000-035-210	35	210	175	
MQB66000-038-216	38	216	178	
MQB66000-040-220	40	220	180	
MQB66000-045-230	45	230	185	
MQB66000-050-240	50	240	190	
MQB66000-055-250	55	250	195	
MQB66000-060-260	60	260	200	
MQB66000-064-267	63.5	267	203.5	
MQB66000-070-270	70	280	210	
MQB66000-080-300	80	300	220	
MQB66000-090-320	90	320	230	
MQB66000-100-340	100	340	240	
MQB66000-125-390	125	390	265	
MQB66000-160-460	160	460	300	
MQB66000-200-540	200	540	340	
MQB66000-250-640	250	640	390	
MQB66000-300-740	300	740	440	

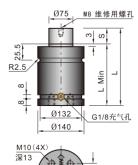


氮气弹簧

Nitrogen springs

MQJ66000





基本技术参数 BASIC INFORMATION

公称弹压力······66000N Nominal Initial Force 最大充气压强……15Mpa Max.Charging Pressure 最小充气压强……2.5Mpa Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity 工作介质·······氮气(N2)

Pressure Medium 工作温度范围……20~+80℃

Operating Temperature

单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

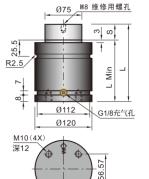
Torder MQJ66000-010-105 短巧型(6.6T)

Code			Lmin	@¥/P
MQJ66000-010-105	10	105	95	
MQJ66000-013-111	13	111	98	
MQJ66000-015-115	15	115	100	
MQJ66000-020-125	20	125	105	
MQJ66000-025-135	25	135	110	
MQJ66000-030-145	30	145	115	
MQJ66000-035-155	35	155	120	
MQJ66000-038-161	38	161	123	
MQJ66000-040-165	40	165	125	
MQJ66000-045-175	45	175	130	
MQJ66000-050-185	50	185	135	
MQJ66000-055-195	55	195	140	
MQJ66000-060-205	60	205	145	
MQJ66000-064-212	63.5	212	148.5	
MQJ66000-070-225	70	225	155	
MQJ66000-080-245	80	245	165	
MQJ66000-090-265	90	265	175	
MQJ66000-100-285	100	285	185	
MQJ66000-125-335	125	335	210	

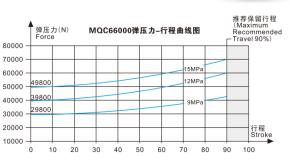
氮气弹簧

MQC66000

Nitrogen springs



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基本技术参数 BASIC INFORMATION

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公称弹压力······66000N Nominal Initial Force 最大充气压强·······15Mpa Max.Charging Pressure 最小充气压强······2.5Mpa Min.Charging Pressure

最大工作速度········≤0.8m/s Mas.Piston Rod Velocity 工作介质………氮气(N2) Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

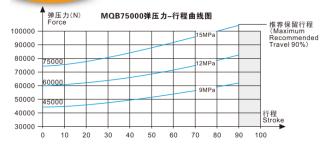
单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率 ·······6~60次/min Max. Recommended Strokes/min

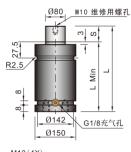
Code	S		Lmin	@¥/P
MQC66000-010-088	10	88	78	
MQC66000-013-094	13	94	81	
MQC66000-015-098	15	98	83	
MQC66000-020-108	20	108	88	
MQC66000-025-118	25	118	93	
MQC66000-030-128	30	128	98	
MQC66000-035-138	35	138	103	
MQC66000-038-144	38	144	106	
MQC66000-040-148	40	148	108	
MQC66000-045-158	45	158	118	
MQC66000-050-168	50	168	118	
MQC66000-055-178	55	178	128	
MQC66000-060-188	60	188	128	
MQC66000-064-195	63.5	195	131.5	
MQC66000-070-208	70	208	138	
MQC66000-080-228	80	228	148	
MQC66000-090-248	90	248	158	
MQC66000-100-268	100	268	168	
MQC66000-125-318	125	318	193	



氮气弹簧 Nitrogen springs









基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力·········75000N Nominal Initial Force 最大充气压强·······15Mpa Max.Charging Pressure 最小充气压强·······2.5Mpa 最大工作速度············ ≤ 0.8m/s Mas.Piston Rod Velocity 工作介质·················· 氦气(N²) Pressure Medium

工作温度范围·······20~+80℃ Operating Temperature 单位温度压力变化率···± 0.3%/℃ Force Increased by Temperature 推荐工作频率·······6~60次/min Max. Recommended Strokes/min

公Order MQB75000-020-195 国际标准型(7.5T)

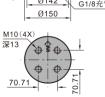
Code			Lmin	@¥/P
MQB75000-020-195	20	195	175	
MQB75000-025-205	25	205	180	
MQB75000-030-215	30	215	185	
MQB75000-035-225	35	225	190	
MQB75000-038-231	38	231	193	
MQB75000-040-235	40	235	195	
MQB75000-045-245	45	245	200	
MQB75000-050-255	50	255	205	
MQB75000-055-265	55	265	210	
MQB75000-060-275	60	275	215	
MQB75000-064-282	63.5	282	218.5	
MQB75000-070-295	70	295	225	
MQB75000-080-315	80	315	235	
MQB75000-090-335	90	335	245	
MQB75000-100-355	100	355	255	
MQB75000-125-405	125	405	280	
MQB75000-160-475	160	475	315	
MQB75000-200-555	200	555	355	
MQB75000-250-655	250	655	405	
MQB75000-300-755	300	755	455	

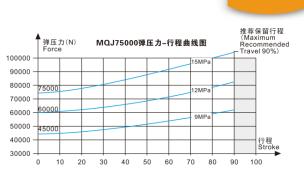
观气弹黄 Nitrogen springs

MQJ75000



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基本技术参数 BASIC INFORMATION

公称弹压力··········75000N Nominal Initial Force 最大充气压强·········15Mpa Max.Charging Pressure 最小充气压强·········2.5Mpa Min.Charging Pressure

Operating Temperature

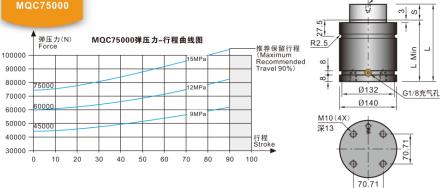
单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

TOTAL MQJ75000-010-115 短巧型(7.5T)

Code			Lmin	@¥/P
MQJ75000-010-115	10	115	105	
MQJ75000-013-121	13	121	108	
MQJ75000-015-125	15	125	110	
MQJ75000-020-135	20	135	115	
MQJ75000-025-145	25	145	120	
MQJ75000-030-155	30	155	125	
MQJ75000-035-165	35	165	130	
MQJ75000-038-171	38	171	133	
MQJ75000-040-175	40	175	135	
MQJ75000-045-185	45	185	140	
MQJ75000-050-195	50	195	145	
MQJ75000-055-205	55	205	150	
MQJ75000-060-215	60	215	155	
MQJ75000-064-222	63.5	222	158.5	
MQJ75000-070-235	70	235	165	
MQJ75000-080-255	80	255	175	
MQJ75000-090-275	90	275	185	
MQJ75000-100-295	100	295	195	
MQJ75000-125-345	125	345	220	



氮气弹簧 Nitrogen springs



基本技术参数 BASIC INFORMATION

公称弹压力······75000N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure

最小充气压强……2.5Mpa Min.Charging Pressure

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity

工作介质………氮气(N2) Pressure Medium

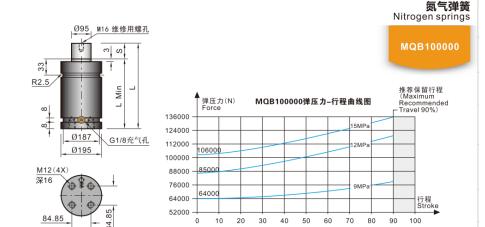
工作温度范围……20~+80℃ Operating Temperature

单位温度压力变化率…±0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

Ø80 M10 维修用螺孔

☎Order MQC75000-010-095 超紧凑型(7.5T)

Code			Lmin	@¥/P
MQC75000-010-095	10	95	85	
MQC75000-013-101	13	101	88	
MQC75000-015-105	15	105	90	
MQC75000-020-115	20	115	95	
MQC75000-025-125	25	125	100	
MQC75000-030-135	30	135	105	
MQC75000-035-145	35	145	110	
MQC75000-038-151	38	151	113	
MQC75000-040-155	40	155	115	
MQC75000-045-165	45	165	120	
MQC75000-050-175	50	175	125	
MQC75000-055-185	55	185	130	
MQC75000-060-195	60	195	135	
MQC75000-064-202	63.5	202	138.5	
MQC75000-070-215	70	215	145	
MQC75000-080-235	80	235	155	
MQC75000-090-255	90	255	165	
MQC75000-100-275	100	275	175	
MQC75000-125-325	125	325	200	



基本技术参数 BASIC INFORMATION

Min.Charging Pressure

公称弹压力······100000N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure 最**小充气压强……**2.5Mpa

最大工作速度·······≤0.8m/s Mas.Piston Rod Velocity Pressure Medium

工作温度范围……20~+80℃ Operating Temperature

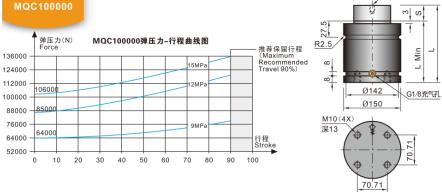
单位温度压力变化率… ± 0.3%/℃ Force Increased by Temperature 推荐工作频率······6~60次/min Max. Recommended Strokes/min

TOTAL MQB100000-020-200 国际标准型(10T)

Code			Lmin	@¥/P
MQB100000-020-200	20	200	180	
MQB100000-025-210	25	210	185	
MQB100000-030-220	30	220	190	
MQB100000-035-230	35	230	195	
MQB100000-038-236	38	236	198	
MQB100000-040-240	40	240	200	
MQB100000-045-250	45	250	205	
MQB100000-050-260	50	260	210	
MQB100000-055-270	55	270	215	
MQB100000-060-280	60	280	200	
MQB100000-064-287	63.5	287	223.5	
MQB100000-070-300	70	300	230	
MQB100000-080-320	80	320	240	
MQB100000-090-340	90	340	250	
MQB100000-100-360	100	360	260	
MQB100000-125-410	125	410	285	
MQB100000-160-480	160	480	320	
MQB100000-200-560	200	560	360	
MQB100000-250-660	250	660	410	
MQB100000-300-760	300	760	460	



氮气弹簧 Nitrogen springs



基本技术参数 BASIC INFORMATION

公称弹压力······100000N Nominal Initial Force

最大充气压强………15Mpa Max.Charging Pressure

最小充气压强……2.5Mpa Min.Charging Pressure

最大工作速度………≤0.8m/s Mas.Piston Rod Velocity 工作介质……….........氮气(N2)

Pressure Medium 工作温度范围 ……20~+80℃

Operating Temperature

单位温度压力变化率···±0.3%/℃ Force Increased by Temperature 推荐工作频率 ·······6~60次/min

Max. Recommended Strokes/min

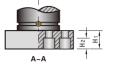
Ø90 M10 维修用螺孔

公Order MQC100000-025-128 超紧凑型(10T)

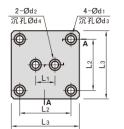
Code			Lmin	质量(kg)	@¥/P
MQB100000-025-128	25	128	103	9.45	
MQB100000-032-142	32	142	110	10.08	
MQB100000-038-154	38	154	116	10.89	
MQB100000-050-178	50	178	128	11.22	
MQB100000-063-204	63	204	141	12.05	
MQB100000-075-228	75	228	153	13.26	
MQB100000-080-238	80	238	158	13.98	
MQB100000-100-278	100	278	178	14.67	
MOR10000-125-328	125	328	203	15.02	

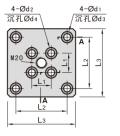




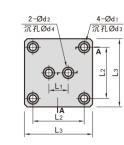


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A-A



A-A

MA1-底板螺孔 MA1-Thread Body

MA2-底板螺孔 MA2-Thread Body

MA3-底板螺孔 MA3-Thread Body

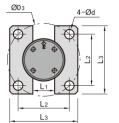
Order MA1-5000

Code								L2	L3	@¥/P
MA1- 5000								50	70	
MA1- 7500 MA1- 10000	9		15			12	20	56.5	75	
MA2- 10000	11	9	40	15		12	20.20	73.5	100	
MA2- 15000	11		18		20		28.28			
MA2- 24000							42.43	92	120	
MA2- 30000	13.5		20			13	12.15			
MA2- 42000 MA2- 50000							56.57	109.5	140	
MA2- 66000		11		18						
MA2- 75000	17.5		26		25	17	70.71	138	190	
MA2-100000	11.0	13.5	20	20	20		84.8	170	210	
MA3- 5000	9	9	15	15	20	12	25	50	70	



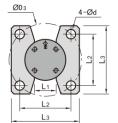
底板螺孔安装定位支承架 Mounting bracket



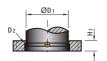


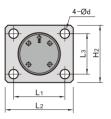






MB2-底槽压板 MB2-Thread Body





MB3-底槽压板 MB3-Thread Body

Order MB1-5000

Code								L2	L3	@¥/P
MB1/2- 1700	6.6	28.5	32.5	49.5			5	35	50	
MB1/2- 2500		34.5	38.5	56.5				40	55	
MB1/2- 5000		40.5	45.5	70.7	7	4	20	50	70	
MB2- 7500 MB1- 7500A MB1- 7500	9	44.5	50.5	80				56.5	75	
MB1- 10000		58	63.5	92				65	88	
MB1- 15000	11	68.5	75.5	104				73.5	100	
MB1- 24000		81.5	88.5	118			24	83.5	110	
MB1- 30000		88.5	95.5	130	12	8		92	120	
MB1- 42000	13.5	106.5	113.5	146		٥		103.3	132	
MB1- 50000		113.5	120.5	155				109.5	140	
MB1- 66000		133.5	140.5	185				130.8	170	
MB1- 75000	17.5	143.5	150.5	195				138	190	
MB1-100000		188	195.5	240.5	13			170	210	
MB3- 450	2ר 7	Ø12.5				20	30	44	2ר7	
MB3- 750	2~10 1	Ø19.5		6	9	25		44	在中心线上	
MB3- 1700		Ø25.5	R1			30	34		18	
MB3- 5000	4ר 7		13.1			35	38	50	22	
MB3- 7500	40 /	Ø32.5		11.5	14.5	42			30	
MB3- 10000		Ø38.5				52	40	52	40	
MB3- 15000	4ר 9	Ø50.5	R1.5	16.5	19	70	56.5	70	56.5	
MB3- 30000 MB3- 50000	4ר11	Ø63.5 Ø75.5	R2	20	24.5	90	73.5	90	73.5	
MB3- 75000	4ר13	Ø95.5	R2.5	23.5	27.5	100	92	110	92	

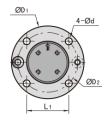
上槽卡环安装定位支承架 Mounting bracket



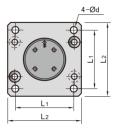




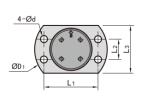








MC2-上槽卡环 MC2-Secure mount onto groove with supplied ring



MC3-上槽卡环 MC3-Secure mount onto groove with supplied ring

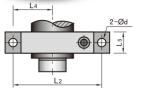
☎Order MC1-1500

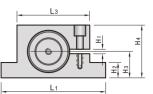
	Code	d	D1	D2	н	L1	L2	@¥/P
	500/MC2-1700	6.6	60	49.5	9	35	50	
MC	1/2- 2500	0.0	68	56.5	9	40	52	
	1/2- 5000	9	86	70.7	13	50	64	
MC	1/2- 7500	9	95	80	10	56.5	70	
MC	1/2- 10000	11	122	104	16	73.5	90	
MC	1/2- 15000	- "	122	104	10	73.5	90	
MC	1/2- 24000		150	130	18	92	110	
MC	1/2- 30000	13.5	150	130	10	92	110	
MC	1/2- 42000	13.3	175	155	21	109.5	130	
MC	1/2- 50000		1/5	155	21	109.5	130	
MC	1/2- 66000		220	195		138	162	
MC	1/2- 75000	17.5	220	195	27	130	102	
MC	1/2-100000		290	240.5		170	210	
MC	3- 450		44	20		30	10	
MC	3- 750	6.6	44	25	9	30	12	
MC	3- 1700		50	30		34	18	



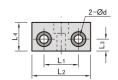
弹簧系列 Springs series

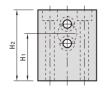
<mark>径向抱紧安装定位支承架</mark> Mounting bracket



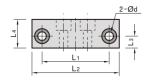


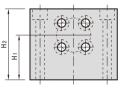






MDD1-径向挡板 MDD1-Radial baffle





MDD2-径向挡板 MDD2-Radial baffle

Order MD1-5000

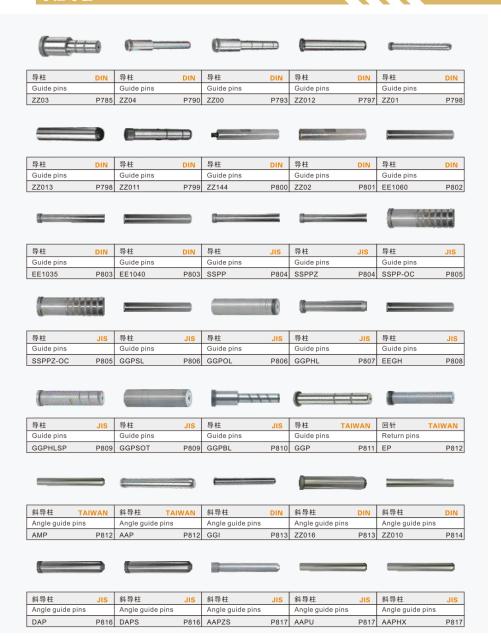
	Code							L2	L3	L4	L5	@¥/P
	D1- 5000 D1- 7500	9	6 8		30 40	60 80	100 130	82 110	66 90	37 50	20	
MI	D1-10000 D1-15000	11			52.5	105	160	137	115	63.5		
MI	D1-24000 D1-30000		10	20	62.5	125	195	170	145	80	30	
MI	D1-42000 D1-50000	13.5	10		74	148	220	195	165	92.5		
	D1-66000 D1-75000				100	200	260	230	200	110		

Code	d	H1	H2	L1	L2	L3	L4	@¥/P
MDD1- 7500	11	40	72	32	60	11	30	
MDD1-10000 MDD2-10000 MDD2-15000	14	52.5	86	60	90	14	35	
MDD2-24000 MDD2-30000	18	62.5	110	78	110	16	52	
MDD2-42000 MDD2-50000	10	74	134	98	130	10	67	
MDD2-75000	22	100	175	130	170	20	80	

导柱导套系列 **Guide Pins & Guide Bush Series**









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产品概述 Products Summary

##型				1100	ucis Sullillar	у			
###	图示				类型		标准	Code	页码
# 「		冶 排 刑			油塘刑	/	DIN	ZZ011	P799
# # # # # # # # # # # # # # # # # # #		声信空) 油帽型	/	TAIWAN	GGP	P811
##型		無佐油井町			螺旋油槽型	/	JIS	GGPHLSP	P809
### ### ### ### ### ### ### ### ### ##		孫促油信空			/	/	/	/	/
#		沙塘田			油槽型	/	DIN	ZZ03	P785
# # # # # # # # # # # # # # # # # # #		加恒空			螺旋油槽型	/	JIS	GGPBL	P810
		鳃旋油塘荆			/	/	/	/	/
		赤灰加恒主			/	/	/	/	/
##報告		无油槽刑			无油槽型	/	DIN	ZZ04	P790
一		元加恒 主		带肩型	油槽型	/	Dill	ZZ00	P793
### ### ### ### ### ### #### #### ###		油槽型			/	/	/	/	_
元素配位		加旧工			/	/	/	/	/
元素配位 15 58PP 10 10 58PP-0C 10 10 58PP-0C 10 58PP-		无紧配位				带紧配位		EE1035	P803
特別		2000 HU Jah				无紧配位	DIN	ZZ012	P797
一		带竖配位	D ++		无油槽型	无紧配位		ZZ01	P798
Range		印景印度	导杠			带紧配位	JIS	GGPHL	P807
大油槽型						英制	AISI	GLL	P802
	N. I	无油槽型			无油槽型	紧配位公差k6		SSPP	P804
注:		九加恒王			70 M IS 1	紧配位公差m5	JIIS	SSPPZ	P804
Fig. 2		油 押			油槽型	紧配位公差k6	010	SSPP-0C	P805
元素配位 元素配位 元素配位 元素配位 元素配位 元素配位 日前型 日前型 日前型 上面型 上面		川恒生			MILE	紧配位公差m5		SSPPZ-0C	P805
## ## ## ## ## ## ## ## ## ## ## ## ##		无紧配位				无紧配位	DIN	EE1040	P803
大麻型 大		70 3/4 10 1=				无紧配位	5	ZZ013	P798
Apply	C :::	带紧配位			无油槽型	紧配位公差m5		GGPSL	P806
注						无紧配位	JIS	EEGH	P808
TAIWAN PRICE PROBLEM PROBLE		台阶型		无肩型		台阶型	0,0	GGPSOT	P809
### ### ### ### ### ### #### #### ###		油槽刑			油槽型	紧配位公差m5		GGPOL	
### ### ### ### ### #### #### ########		州頂王			/	/	/	/	/
 高孔型 一方		带扳手槽				通孔型		EE1060	P802
TAIWAN	and the same	117 202 3 118			无油槽型	带扳手槽	DIN	ZZ144	P800
Figure		诵孔型			707HIE				
新度型 元脈配位 DIN ZZ016 P813 P816 P817 P817 P817 P817 P817 P817 P817 P817 P817 P818 P819		~ 10 ±			/	/	/	/	/
新度型		标准型							_
新准型+台阶 新度型 帶台阶 4月度型 帶台阶 4月度型 布台阶 4月度型 大振手位 4月度型+台阶 大振手位 4月度型+台阶 大振手位 4月型 大振手位 4月型 大振手位 4月型 大振手位 4月型 大振手位 4月型 大振手位 4月型 大塚手信 4月型 大塚東台							DIN		_
新度型 带台阶		标准型+台阶		带肩型					_
新度型 內螺紋固定型 无接手位 內別 AMP P812 內螺紋固定型 內式角扳手位 內式角扳手位 DIN Z2010 P814 內螺紋固定型 市拔手槽 AAPU P817 內螺紋固定型 內式角扳手位 內螺紋固定性 內式角扳手位 內螺紋固定性 市拔手槽 AAPHX P818 內螺紋固定型 无扳手位 現於自定型 无扳手位 螺栓固定型 无扳手位 大扳手位 外螺纹固定型 带扳手槽 AAPX P818 AAPX P818 AAPX P818 AAPM P819		心作工,日间					JIS		_
対象を型+台所		AN DE THE							
新身種 內螺紋固定型 帶扳手槽 內螺紋固定型 內穴角扳手位 內螺紋固定型 內穴角扳手位 內螺紋固定性 內螺紋固定性 內螺紋固定性 一个螺紋固定性 內螺紋固定性 一个水角扳手位 小螺紋固定性 一个水角扳手位 螺栓固定性 一个水角扳手位 螺栓固定性 一个水板手位 小螺纹固定型 一个水板手位 小螺纹固定型 一个水板手位 小螺纹固定型 一个水板手位 小螺纹固定型 一个水板手位 小螺纹固定型 一个水板手位 小螺纹固定型 一个水板手位 AAPM P819		科度型							_
大高型			斜导柱				DIN		
大肩型 内螺纹固定+合价 带扳手槽 内螺纹固定+合价 AAPUS P818 大手槽 内螺纹固定+合价 内穴角扳手位 48件区定型 AAPX P818 小螺纹固定型 无扳手位 大扳手位 AAPX P818 小螺纹固定+合价 无扳手位 AAPX P818 AAPX P818 AAPX P818 AAPX P818 AAPX P819		斜度型+台阶							_
次螺纹固定型 内螺纹固定+合价 带扳+槽 内螺纹固定+合价 内六角扳手位 螺栓固定型 无扳手位 螺栓固定型 无扳手位 螺栓固定+合价 无扳手位 水螺纹固定型 带扳手槽 AAPX P818 AAPX P818 AAPX P818 AAPX P818 AAPX P819				无肩型					
銀栓固定型 先扳手位 外螺纹固定型 无扳手位 AAPX P818 小螺纹固定型 带扳手槽 AAPX P818 AAPX P819	C	内螺纹固定型							_
螺栓固定+台价 无扳手位 外螺纹固定型 带扳手槽 AAPXS P818 AAPM P819	扳手槽						JIS		
外螺纹固定型 带扳手槽 AAPM P819		外螺纹固定型							
■・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・									
		螺栓固定型							
					外螺纹固定+台价	带扳手槽		AAPMS	P819

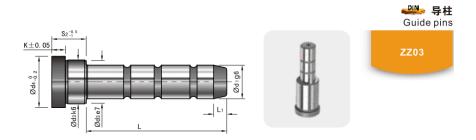


产品概述 Products Summary

图示		类型	텐		标准	Code	页码
				带油槽型	JIS	EEGBH	P821
无油槽型				无油槽型		ZZ10	P825
			中肩型	带螺旋油槽型	DIN	ZZ75	P827
带油槽型				带螺旋油槽型	DIN	ZZ78	P828
				无油槽型		EE1140	P828
无油槽型		带肩型		带油槽型	JIS	GGBHE	P823
元油信型	钢材			带油槽型	315	GGBH	P823
带卡环槽型	NO 100		标准型	油槽+卡环槽		ZZ76	P832
市卡环槽型			标准主	无油槽型	DIN	ZZ11	P833
带油槽型				带卡环槽型		EE1110	P834
市油價型							
无油槽型				无油槽型		GBB	P821
九油信至		直杆型	,	带油槽型	JIS	GGBS	P822
带油槽型		且们至	<i>'</i>	带油槽型		GGBSE	P822
市西信里				无油槽型	DIN	ZZ4486	P829
				英制	AISI	GGBE	P820
				无石墨型		ZZ4079	P826
无石墨型				自润滑型		ZZ10W	P825
		带肩型	中肩型	自润滑型	DIN	ZZ13W	P837
				自润滑型		ZZ14W	P837
自润滑型				自润滑型		ZZ1000W	P838
	黄铜			自润滑型	JIS	EEGBZS	P824
				自润滑+卡环槽	DIN	ZZ11W	P835
自润滑型			标准型	自润滑+卡环槽	5114	ZZ1100W	P839
	无石墨型		/	无石墨型	DIN	ZZ4085	P826
九有量型		直杆型	,				

	图示	Code	页码
DIN	magan com	ZZ4147	P842
DIN		EE1330	P843
DIN	Marie a	EE1325	P844
DIN		ZZ12	P847
DIN	Maria Sesses	SSN1777SR	P845

图示	Code	页码
DIN	ZZ4485	P846
DIN	SSN1776SR	P845
DIN 无卡环	SSN1798	P848
DIN	SSN1799	P848
带卡环	EE1332	P847

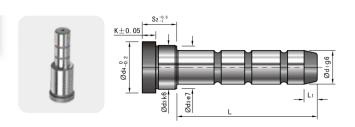


Order	ZZ03-S2-d1-L	M材质:SUJ2	H 硬度:58	-62HRC				
S2								@¥/P
9			20 35 50					
12			25 45 65					
17			20 30					
22	9	10	25 35 55	4	14	16	3	
27			30 50					
36			25 45					
46			30 45					
56			35 60					
66			45 35					
17			55 75 95					
22			20 35 50 25 45 65 20 30 25 35 55 30 50 25 45 30 45 35 60 45 35 55 75 90 40 45 50 50 50 50 50 50 50 50 50 50 50 50 50					
27	14	15	20 35 40 45 55 65 85	7	20	25	6	
36			55 65 85 105 20 35 40 45 55 65 75 95 20 35					
46			20 35 45 65 85 105					
56			45 65 85 105 20 35 55 75 95					

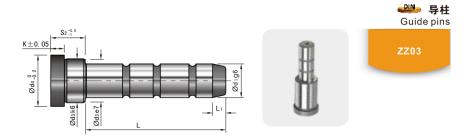


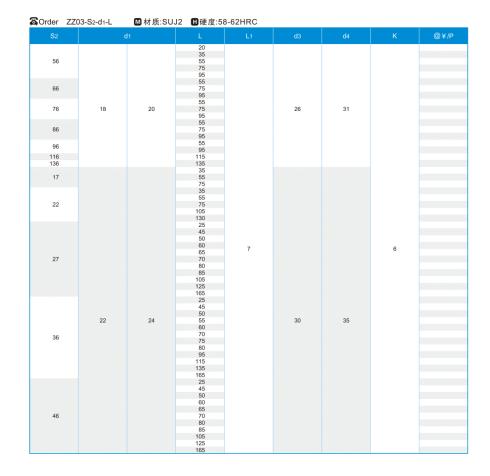


ZZ03



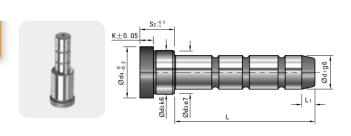
Order	ZZ03-S2-d1-L	М材质:SUJ2	H 硬度:58	8-62HRC				
S2								@¥/P
66 76 86 96 116	14	15	55 65 95 55 95 55 95 55 95 75		20	25		
17			35 55 75					
22			95 20 35 40 45 50 55 60 65 70 80 85					
27	18	20	20 35 40 45 50 55 60 65 70 80 85 105	7	26	31	6	
36			55 65 65 65 65 65 65 55 55 55					
46			20 45 65 85 105 135					



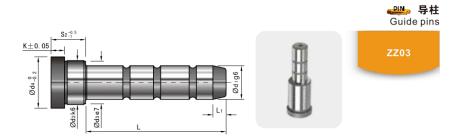








☎ Order 2	ZZ03-S2-d1-L	M 材质:SU	J2 H 硬度:5	58-62HRC				
S2	d	1	L	L1	d3	d4	К	@¥/P
56			25 45 55 75 96 115 165 55 75 96 115 55 75 96 115 155 155 155 155 155 155 155 155 15					
66			55 75 95					
76	22	24	25 45 55 75 95		30	35		
86			55 75 95					
96			55 75 95					
116			115 155					
136 156			155 155 35					
27			130 45 65	7			6	
36			105 165 55 75 95 115					
46	30	32	45 65 85 105 125 165		42	47		
56			55 75 95 115 135 175					
66			55 75 95 115 135					
76			55 75 95 115 155					

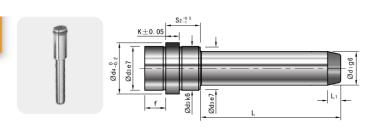


Order	ZZ03-S2-d1-L	М材质:SUJ2	₩ 硬度:5	8-62HRC				
		d1						@¥/P
86			55 75 95 115 155					
96	30	32	55 75 95 115 155 75 115		42	47	6	
116			155					
136			95 115 155					
156			115					
176			155 135 175					
196			155					
			195 75					
36			75 135 95					
46			165					
50			165 75 115 155	7				
56			155					
66								
00			135 75 115					
76			115 175					
86			75					
00			75 135 75					
96	40	42	115 155		54	60	10	
			95 135					
116			135 195					
136			95					
130			135 215 115 155					
156			115 155					
			215					
176			135 155 175					
			175 155					
196			195 235					
96			115					
116 136	50		135		66	72		
156 196			155					
96		-	175 115	10				
116			135					
156	60				80	86	20	
136 156 196 246			155 175 195					
240			190					

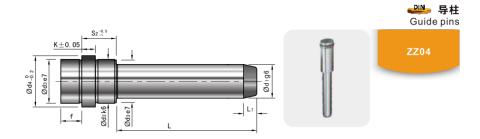




ZZ04



Order	ZZ04-S2-d1-L	М材质	ត្:SUJ2	硬度:58-62	HRC				
S2									@¥/P
22			25 35 35 30 50 25 45 30 50 70 90 30 45 65 85 35 55 75 95 35 45 65 65 65 65 65 65 65 65 65 65 65 65 65						
27	9	10	30 50	4	14	16	3	3	
36			25 45						
			30						
22			70						
			30						
27			45 65						
			85 35						
36			55						
30	14	15	75 95		20	25			
			35						
46			45 65						
			85						
56			55						
			75 55						
66			65						
76			55 35						
27			45 65						
21			85						
			105 35	7			9	6	
			55				-		
36			65 85 105 35 55 75 95						
			115						
			35						
46	18	20	45 65		26	31			
			85 135						
			135 35 45 65 85 135 35 55						
56			55 75						
66			75 55 75 95						
			95						
76 86			55						
80			95 35 45 65 85 105						
			45						
			65 85						
27	22	24	105		30	35			
			125						
			205						

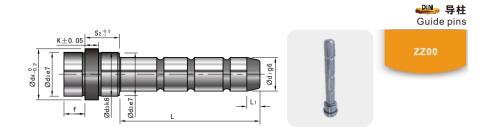


Order	ZZ04-S2-d1-L	₩材质:	SUJ2 田 碩	更度:58-62HF	RC .				
									@¥/P
36			35 55 75 95 115 135 165 205 35 45 65 85 105 135 165 35 175 175 95 115 165 35 45 65 85 105 135 165 205 35 45 65 85 105 105 105 105 105 105 105 105 105 10						
46			35 45 65 85 105 135						
56			35 55 75 95 115 165 205						
66	22	24	35 55 75 95 155		30	35			
76			75 95 155 55 75 95 115 145 55 75 95 135 55 75 95 125 75	7			9	6	
86			75 95 135						
96			55 75 95 125						
116 156			75 115 155						
36			55 75 155 245 65 85 105						
46	30	32	85 105 125 165 245		42	47			
56			125 165 245 55 75 95 135 175 245						





Order	ZZ04-S2-d1-L	₩材质:	SUJ2 日碌	更度:58-62HF	RC				
S2									@¥/P
66			55 75 95 115 175 295						
76			55 75 95 115 155 225						
86			75 95 115 155 225 75						
96	30	32	95 115 155 205	7	42	47	9	6	
116			75 115 155						
136			95 115 155						
156 196			115 155						
76 96			115 155 135						
116 136	40	42	195 95 135		54	60	12	10	
196			155 155 195						

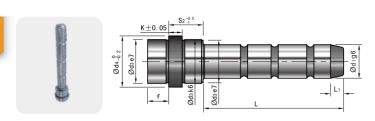


Order	ZZ00-S2-d1-L	М材质:SUJ2	₩ 硬度:58	-62HRC				
S2								@¥/P
12		25 45 65 20 30 50 70 25 35 55 75 95 20 30 50 70 90 25 45 65 85 30 45 70 35 60 45 35 55 75						
12		65						
		20						
17		50						
		70						
		25						
22		55						
		75						
	9-10	20	4	3	3	14	16	
	5-10	30	4	3	3	14	10	
27		50 70						
		90						
		25						
36		65						
		85						
46		30 45						
		70						
56		35 60						
66		45						
		35 55						
17		75						
		95						
		50						
		70						
22		95 30 50 70 90 110 125 150 30 45 65						
		125						
		150						
		45						
		65						
27		105						
		125						
	14-15	145	7	9	6	20	25	
		35						
		55 75						
36		95						
		125						
		35						
		45						
46		105 125 145 165 35 55 75 95 125 155 36 65 85 105 125 145 35 56 75						
		105						
		125 145						
		35						
56		55 75						
36		95						
		95 135						

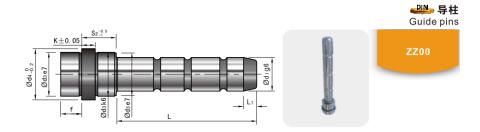




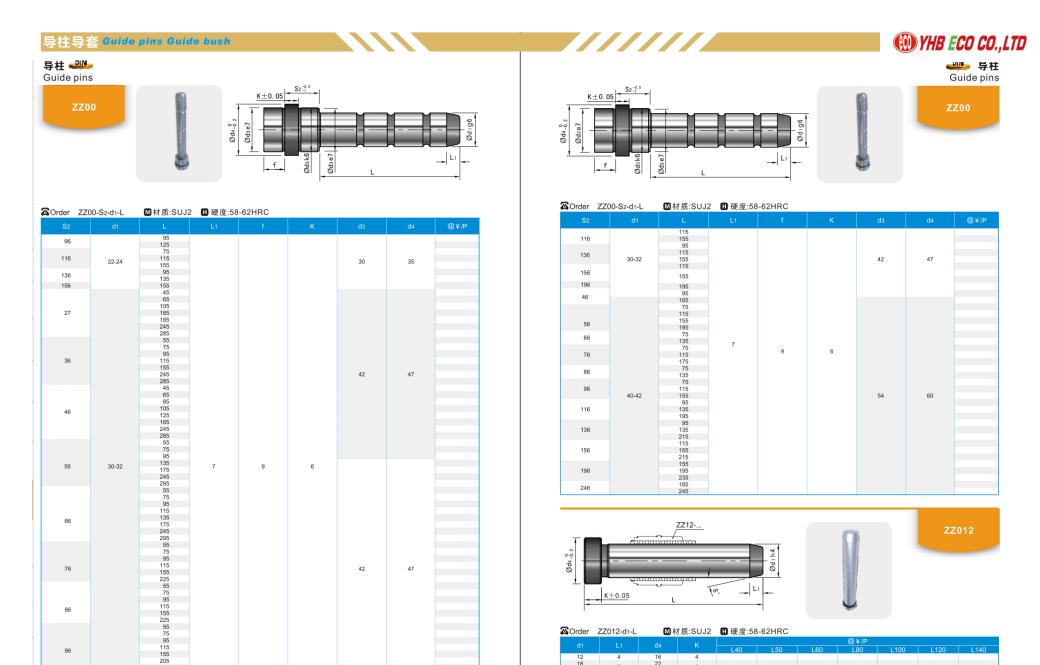
ZZOO



☎ Order	ZZ00-S2-d1-L	M材质:SUJ	2 用硬度:58	3-62HRC				
S2								@¥/P
66		55 65 95 125						
76	14-15	55 95				20	25	
86		55 95 55 95 75 35						
96		95						
116		75 25						
17		55 75 120						
22		75 120 35 45 65 85 115						
27		115 35 45 65 85 105 125						
21		125 165 225 245 35						
36		55 75 95 115						
	18-20	55 75 95 115 135 165 225 255 35 45	7	9	6	26	31	
46		45 65 85 105 135						
		165 245						
56		55 75 95 155						
66		35 55 75 95 155 35 55 75 95						
76		55 75 95						
86		55 75 95 125						



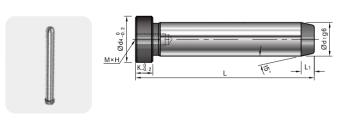
Order	ZZ00-S2-d1-L	М材质:SUJ2	₩ 硬度:58	-62HRC				
S2								@¥/P
96		55 95						
116		75						
136		115 135 35						
		35						
17		55 75						
		75 35						
		35 55 75 105						
22		75 105						
		130 35						
		35 45						
27		65						
		85						
		105 125						
27		165						
21		205 245						
		285						
		285 35 55						
		75						
		95 115						
36	22-24	135	7	9	6	30	35	
		165						
		205						
		285						
		245 285 35 45 65						
		65						
46		85						
		105 125						
		165						
		205 35						
		55 75 95 115						
56		75 95						
50		115						
		165 205						
		35						
		55						
66		75 95						
		155 55						
		55 75						
76		75 95						
		115						
		145 55 75						
86		75						
		95 135						
96		55 75						
96		75						



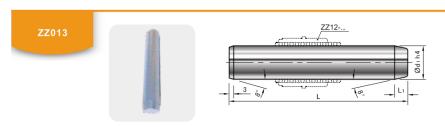




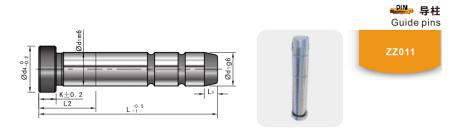
ZZ01



☎Order ZZ01-d1-L M材	f质:SUJ2	度:58-62HRC			
d1					
8	10	M4	8		
9 10	12	M5	10	3	4
12	16	M6	12	6	
14	18		12		
15		M8	16		
16	20	IVIO	10	8	
18	22				7
20	24	M10	20		'
22	26				
24	28	M12	24		
30	36			15	
32		M16	32	10	
40	48	WITO	32		10
50	58				10



Corder ZZ013-d1-	L M材质:SUJ2	■ 硬度:58-62HRC			
			@ !	¥ /P	
L1		L100	L125	L160	L240
4	12				
7	18				



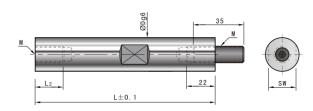
			L2			@¥/F
10	40 60	4	17	3	12	
10	80	4	22	3	12	
	100		22			
	60		27 17			
	60 80		22			
12	100		27	6	16	
	120		36			
	120 60		36 17			
	80		22			
	100 120		27			
14	120		36		18	
	140					
	160		46			
	60		22			
	80		27			
16	100 120				20	
10	120		36		20	
	140		46			
	160		40			
	80 100		27	8		
	100					
	120		36			
18	140		46		22	
	160		10			
	180		56			
	200					
	80		27			
	80 100 120					
20	140		36 46		24	
	180	7				
	200		56			
	200 100		36			
	120					
22	120 140		46		26	
	180		56		20	
	180 220		76			
	120		46			
24	120 160		56	4.5	28	
	200		76	15		
00	160		56		00	
30	240		76		36	
32	200		56			
40	300	10	96		48	
50		10			58	
	240	40	76	-00		
60	360	12	116	20	68	



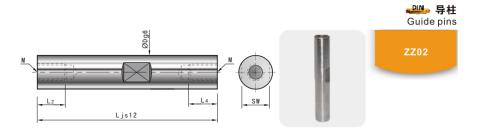




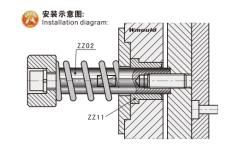


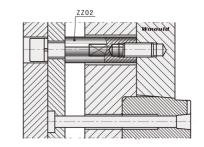


☎ Order	ZZ144-D-L	■ 材质:SUJ2	2 H 硬度:58HRC以	上		
						@¥/P
	10	50 60 70 80 100 120 140 60	20	9	М 6	
	14	70 80 100 120 140 160	16	12	M 8	
	16	180 80 100 125 140 160 180 200	35	13		
	18	200 100 125 140 160 180 200 220 240	20	14	M10	
	19	100 125 140 160 180 200 220	40	17	M12	
	24	120 140 160 180 200 240	25	19		
	25	125 140 160 180 200 220 250	55	22	M16	
	32	160 200 250 315		27		



	-L M材质:SI	UJ2 田 硬度:5	8HRC以上			
D		L2	L4	sw		@¥/P
10	60 70 80 100 120 140		9	9	М 6	
14	60 70 80 100 120 140 160	16	11	12	M 8	
18	100 120 140 160 180 200 220 240	20	12	14	M10	
20	100 120 140 160 180 200 220 240 120	25	14	16	M12	
24	140 160 180 200 240			19		
30	180 220 260 300	30	16	24	M16	





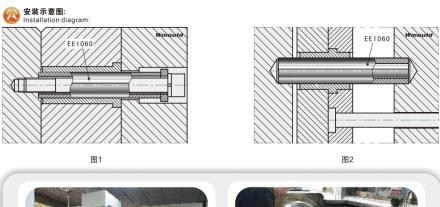




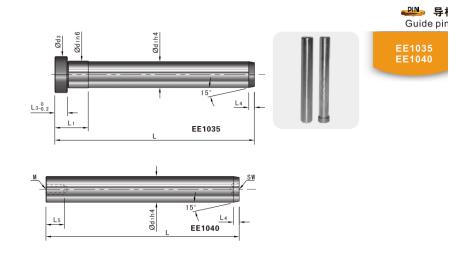


	1060-D-L	M 材质:SUJ	2 日硬度:58	-62HRC						
		@¥/P								
U		L20	L30	L40	L60	L80	L100	L120		
10	6.2									
14	8.5	-	-							
18	10.5	-	-							
24	13	-	-	-						
30	17	-	-	-	-					

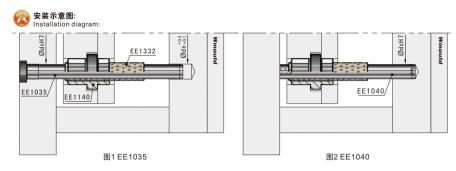
		@¥/P							
U		L140	L160	L180	L200	L220	L240	L280	
10	6.2		-	-					
14	8.5								
18	10.5								
24	13								
30	17								









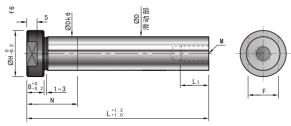








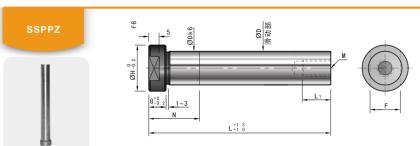




精密级支撑柱与精密极导柱之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and presicion guide pin, suggest to use it below 80 degree.

Order	SSPP-D-L-N	M 材质:SUJ2	■ 硬度:58HRC以上

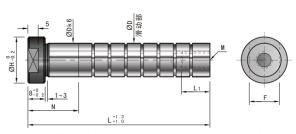
滑动部		压入部					M(粗牙)	
D)f6	D	k6	指定单位1mm			M×Pitch	L1
13	-0.016 -0.027	13	+0.012 +0.001		12	16	M 6×1	12
16	-0.027	16	+0.001		14	19	M10×1.5	20
20		20			19	23	M12×1.75	24
25	-0.020 -0.033	25	+0.015 +0.002	8-60	22	28		
30	0.000	30	0.000		29	35	M16×2	32
35	-0.025 -0.041	35	+0.018 +0.002		32	40	W110*2	32
40	-0.041	40	+0.002		36	45		



精密级支撑柱与精密极导柱之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and presicion guide pin, suggest to use it below 80 degree.

☎Order SSPPZ-d-L-N M材质:SUJ2 日 硬度:58HRC以上

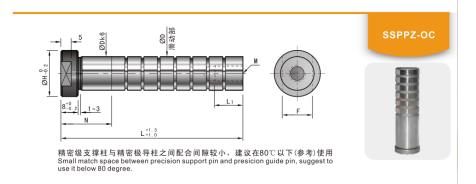
滑	滑动部		压入部				M(粗牙)	
T C	Df6		Ok6	指定单位1mm			M×Pitch	L1
13	-0.020 -0.025	13	+0.015 +0.007		12	16	M 6×1	12
16	-0.025	16	+0.007		14	19	M10×1.5	20
20		20			19	23	M12×1.75	24
25	-0.025 -0.030	25	+0.017 +0.008	8-60	22	28		
30	-0.000	30	-0.000		29	35	M16×2	32
35	-0.030/-0.035	35	+0.020 +0.009		32	40	W10*2	32
40	-0.030/-0.040	40	+0.009		36	45		



精密级支撑柱与精密极导柱之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and presicion guide pin, suggest to use it below 80 degree.

导柱 Guide pins SSPP-OC

Order	SSPP-OC-D-L-N	М材质:	SUJ2 H 硬原	变:58HRC以上				
	滑动部	压力	∖部			M(粗牙)		
	Df6	D	k6	指定单位1mm			M×Pitch	L1
13	-0.016 -0.027	13	+0.012 +0.001		12	16	M 6×1	12
16	-0.027	16	+0.001	8-30	14	19	M10×1.5	20
20		20			19	23	M12×1.75	24
25	-0.020 -0.033	25	+0.015 +0.002	8-40	22	28		
30	-0.033	30	+0.002	0.50	29	35	M16×2	20
35	-0.025	35	+0.018	8-50 8-60	32	40	M10*2	32
40	-0.041	40	+0.002		36	45		

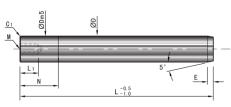


	SPPZ-D-L-N	יאלו ניון שם	SUJ2 🞛 硬	度:58HRC以上				
滑动部		压入部			-		M(粗牙)	
	Df6	[Ok6	指定单位1mm			M×Pitch	L1
13	-0.020	13	+0.015		12	16	M 6×1	12
16	-0.025	16	+0.007	+0.007 8-30	14	19	M10×1.5	20
20		20			19	23	M12×1.75	24
25	-0.025 -0.030	25	+0.017 +0.008	8-40	22	28		
30	-0.000	30	10.000	8-50	29	35	M16×2	32
35	-0.030/-0.035	35	+0.020	8-50	32	40	W10*2	32
40	-0.030/-0.040	40	+0.020 +0.009	8-60	36	45		

导柱 🚚 Guide pins

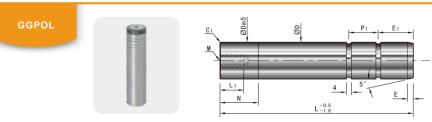
GGPSL





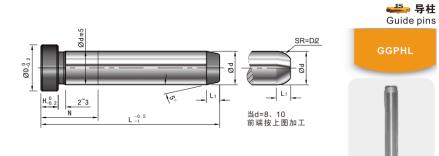
精密级导柱与精密极导套之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and precision guide pin, suggest to use it below 80 degree.

Order GGF	SL-D-L-N	™材质:SUJ2	₩ 硬度:58-62	HRC			
滑走	动部 D	压.	入部 :差	N (指定单位1mm)	L1		M
8 10	-0.015 -0.020	8 10	+0.012 +0.006	0- 40	10	3 4	M 5×0.8
12 13 16	-0.020 -0.025	12 13 16	+0.015 +0.007	0-100	12		M 6×1
20 25	-0.025 -0.030	20 25	+0.017 +0.008	0-100	16	5	M 8×1.25
30 35	-0.030/-0.035	30 35		0-120 0-140	24		M12×1.75
40 50	-0.030 -0.040	40 50	+0.020 +0.009	0-200	32	8	M16×2
60	-0.030/-0.050	60	+0.024/+0.011		40		M20×2.5



精密级导柱与精密极导套之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and precision guide pin, suggest to use it below 80 degree.

Order	GGPOL-D-L	N 🗖	材质:SUJ2	₩ 硬度:5	8-62HRC					
	动部 O		入部 m5	N(指定单位 1mm)	L1			P1	油槽数	М
				0- 60			14	12		
35	-0.030 -0.035	35		0- 80			15	13		
							16	14	2	M16×2
				0- 60			26	24		
40		40	+0.020		32	8	28	26		
			+0.020 +0.009	0- 80			30	28		
	-0.030 -0.040			0 00			28	26		
50	-0.040	50					30	28		
				0-100			32	30		
							34	32		
60	-0.030 -0.050	60	+0.024	0-120	40		30	28		M20×2.5
- 30	-0.050	30	+0.011	0-120	40		32	30		WIZU^Z.5



☎ Order G	GPHL-d-L-N	₩材质:	SUJ2 日 硬	度:58-62HRC		
	d					
8	10 -0.020 10		+0.012 +0.006		11	3
			+0.006	5	13	4
12	0.000	12	+0.015 +0.007		17	
13	-0.020 -0.025	13			18	
16		16			21	
20	0.005	20	. 0.047		25	5
25	-0.025 -0.030	25	+0.017 +0.008	8	30	
30	0.000	30	101000		35	
35	-0.030 / -0.035	35	. 0.000		40	
40	-0.030	030 40 +0.02	+0.020 +0.009	10	45	
50	-0.040	50		12	55	8
60	-0.030 / -0.050	60	+0.024 / +0.011	15	65	

	L5mm		@¥/P
8	30- 40 45- 50 55- 80	5- 60	
10	30- 40 45- 50 55- 80	3- 00	
12	30- 40 45- 80 85-120 125-160 165-200	5- 80	
13	30- 40 45- 80 85-120 125-160 165-200	5- 60	
16	30- 40 45- 80 85-120 125-160 165-200 205-250	6- 80	
20	30- 50 55- 90 95-150 155-200 205-260 265-300	6-100	
25	40- 60 65-110 115-160 165-200 205-260 265-300 305-350	8-120	

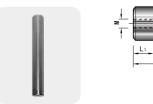
D	L5mm	N1mm	@¥/P
30	50- 60 65-100 105-160 165-200 205-260 265-300 305-350 365-400	8-130	
35	60-100 105-160 165-200 205-260 265-330 335-400 405-450		
40	80-140 145-100 195-240 245-300 305-360 365-450 455-500	10-200	
50	100-150 155-190 185-240 245-300 305-360 365-400 405-460 465-500	12-200	
60	200-250 255-300 305-350 355-400 405-450 455-500	15-200	





Guide pins

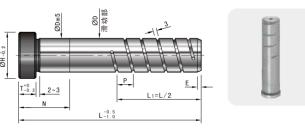
EEGH



<u>*</u>	<u></u>	- 80
	L+0, 20 L+0, 15	

Order	EEGH-D-l	_ 🛮 材	质:SUJ2	₩ 硬度:5	8-62HRC
	D		L 5mm	M Pitch	@¥/P
6	-0.010 -0.015	8	30- 70 75- 80	M 4×0.7	
8	-0.015 -0.020	10	30- 70 75-100 30- 70	M 5×0.8	
10			75-100		
12			40- 70 75-100		
13	-0.020 -0.025	12	40- 70 75-100 105-125 130-150	M 6×1.0	
16			40- 70 75-100 105-125 130-150		
20			40- 70 75- 90 95-110 115-130 135-150 155-175		
25	-0.025 -0.030	16	50- 70 75- 90 95-110 115-130 135-150 155-170 175-200 205-225 230-250	M 8×1.25	
30		20	50- 70 75- 90 95-110 115-130 135-150 155-170 175-200 205-225 230-250 255-275	M10×1.5	

	0		L 5mm	M Pitch	@¥/P
			50- 70		
			75- 90		
			95-110		
			115-130		
			135-150		
35			155-170		
			175-200		
			205-225		
			230-250		
			255-275		
			280-300		
			50-70		
	-0.025 -0.030		75- 90		
		20	95-110		
			115-130		
			135-150	M10×1.5	
40			155-170		
			175-200		
			205-225		
			230-250		
			255-275		
			280-300		
			305-325		
			330-350		
			50- 70		
			75- 90		
			95-110		
			115-130		
			135-150		
			155-170		
50			175-200		
			205-225		
			230-250		
			255-275		
			280-300		
			305-325		
			330-350		



GGPHLSP

Guide pins

精密级导柱与精密极导套之间配合间隙较小,建议在80℃以下(参考)使用 Small match space between precision support pin and precision guide pin, suggest to use it below 80 degree.

螺旋油槽特点:

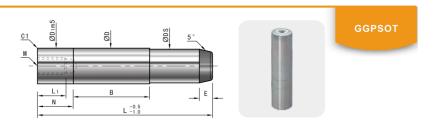
相比环形油槽,螺旋油槽在导柱、导套配合运作时,润滑油在螺旋槽内流动使整个导柱表面得到均匀的润滑,可更有效的防止了烧结的现象。

Feature of spiral oil grooves:

Compare with ring shape oil grooves, spiral oil grooves is better prevent fritting phenomenon when guide pin and guide bush match together to operate, lubricating oil make whole guide pin surface get well-distributed lubricating in spiral oil groove.

Order	GGPHLSP-D-	L-N	M 材质:SU	J2 🗓 硬度	:58HRC以上	-			
滑动部 D			入部 m5	N(指定单位 1mm)					
20	0.005	20	.0.047			25		60- 70	10
25	-0.025 -0.030	25	+0.017 +0.008	8≤N <l 2<="" td=""><td>8</td><td>30</td><td>5</td><td>80-120</td><td>15</td></l>	8	30	5	80-120	15
30	-0.030	30	+0.008			35		130-180	20
40	-0.030	40	+0.020	10≤N <l 2<="" td=""><td>10</td><td>45</td><td>0</td><td>190-300</td><td>25</td></l>	10	45	0	190-300	25
50	-0.040	50	+0.009	12≤N <l 2<="" td=""><td>12</td><td>55</td><td>ō</td><td>310-360</td><td>30</td></l>	12	55	ō	310-360	30

D=20-30时, P=23



Order	GGPSOT-D-L	-N-B-DS	M 材质:SU	J2 田 硬度	:58-62HRC				
	D			N(指定单位 1mm)		DS _{-0.01}		L1	М
16	-0.020/-0.025	16	+0.015/+0.007		5- 50	15.8-16		12	M 6×1
20	0.005	20	.0.047	0-100	5- 80	19.8-20		16	M 8×1.25
25	-0.025 -0.030	25	+0.017 +0.008	0-100	5-130	24.8-25	5	24	M12×1.75
30	-0.030	30	+0.000		5-130	29.8-30		24	W112×1.75





GGPBL



T ⁺⁰ _{-0.05}	N _	(S)
ØH-0.25		8
<u>'</u>	I ØD1	L-1 2

~ 31 ~ 41 ~ 51 ~ 61 ~ 71 ~ 81 ~ 91 ~ 101 ~ 111 ~ 121 ~ 131 ~ 141 ~ 151 ~ 161 ~ 171 ~ 181 ~ 201

Order	GGPBL-D	-L-N ■材质:SU	J2 🖪 硬度:58HRC	以上		
D				D1		т
	16	-0.015	25	+0.020 +0.015	30	6
	20	-0.020	30	+0.015	35	0
	25	-0.020	35	+0.025	40	٥
	30	-0.025	42	+0.020	47	10

	50	24 29	
	60	24 29 34 39	
16	70		
16	80	24 29 34 39 44 49	
	90	29 34 39 44 49	
	100	29 34 39 44 49 54 59	
	50	24 29	
	60	24 29 34 39	
	70	24 29 34 39	
	80		
	90	24 29 34 39 44 49 54 59	
	100	24 29 34 39 44 49 34 39	
20	110		
20	120		
	130		
	140		
	150	29 34 39 44 49 54 59	
	160		
	170		
	180		
	60	24 29 34 39	
	70		
	80		
	90		
	100	24 29 34 39 44 49	
	110		
	120		
25	130		
	140		
	150	29 34 39 44 49 54 59	
	160		
	170		
	180		
	190	29 34 39 44 49 54 59 69	
	200		
	80		
	90		
	100	24 29 34 39 44 49 59	
	110		
	120		
	130	24 29 34 39 44 49 59 64	
	140	69 74 79 84 89	
30	150		
	160		
	170		
	180	24 29 34 39 44 49 59 64	
	190	69 74 79 84 89 94 99	
	210		
	200		
	220		
	230		

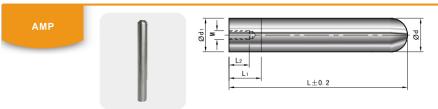
-1	JAIWAN 导柱 Guide pins
H _{0,2} 2 ³ N L ₋₁ 5	GGP

	4		al a		
a a			d1		
尺寸 Size	公差 Tolerance	尺寸 Size	公差 Tolerance		
12	-0.016	12	+0.018	17	5
16	-0.027	16	+0.007	20	6
20	0.000	20	. 0.004	25	
25	-0.020 -0.033	25	+0.021 +0.008	30	
30	-0.033	30	+0.000	35	8
35	0.005	35	+0.025	40	
40	-0.025 -0.040	40	+0.025 +0.009	45	10
50	-0.040	50	. 0.000	55	12
60	-0.030 / -0.049	60	+0.030 / +0.011	66	15

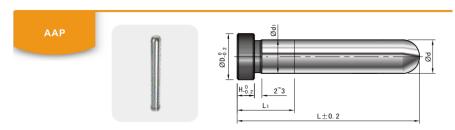
L N							d40	d50	d60	
50 60 70 80 90				19	-	-	-			
70	19	19	19							
80					19	34				
90					0.4		34		-	
100				24	24					
110 120										
120	24		24			39				
130					29					
130 140 150				29	20		39	59		
150		24		20				00		
160								-		
170 180								-	70	
190					00	40		59	79	
200			0.4		39	49		-	70	
200			34					59 -	79 -	
210							49	50	70	
210 220 230 240		29		34				59	79 -	
240		25		04						
250								59	79	
260								69		
270								69 - 69 -		
280				39					69	79
290									-	
300		-				49			69	
320 330										
330			-			49				
340							59			
350						59				
360 370										
370										
380										
390		-	-							
400 410										
410								70		
420 430								79	99	
440				-	-					
450										
460										
470										
480						69	69			
490										
500										
500 510						-	-			
520										







	-d-L M 材质:	SUJ2 H 硬度	:58-62HRC			
			11	14		10
尺寸 Size	公差 Tolerance	尺寸 Size	公差 Tolerance			L2
10	-0.013 / -0.022	10	+0.015 / +0.006	19	6	15
13	-0.016 -0.027	13	+0.018 +0.006	24	8	20
16	-0.027	16	+0.006	29	10	25
20	-0.020 -0.033	20	+0.021 +0.008	39	40	30
25	-0.033	25	+0.008	49	12	30



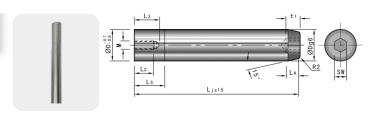
Order AAP-	d-L M 材质:	SUJ2 🗓 硬度	:58-62HRC			
			1			
尺寸 Size	公差 Tolerance	尺寸 Size	公差 Tolerance			
10	-0.013 / -0.022	10	+0.015 / +0.006	19	13	8
13	-0.016 -0.027	13	+0.018 +0.006	24	17	10
16	-0.027	16	+0.006	29	20	12
20	-0.020 -0.033	20	+0.021	39	25	15
25	-0.033	25	+0.008	49	30	15



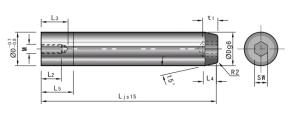




7701



Order	ZZ010-D-L	☑ 材质:SU	J2 田 硬度	58-62HRC					
		L2	L3	L4			sw		@¥/P
10	60 80								
10	100								
	100 60 80								
12	80								
	100								
	50					5	5	M 6	
	120 50 60 67								
	67	10	15	4	5				
14	70 75								
	80 90								
	90								
	100								
	60								
15	70								
	80								
	50 60 70 80 90 80 90								
	90					6	6	M 8	
	100								
16	120	12	18		5.5				
	118 120 132 140								
	140								
	160 60 70								
	70								
	80								
18	90				6				
10	100 125				0				
	140								
	150								
	170 60			7					
	70 80								
	80								
	90 100	15	22			8	8	M10	
	120 140								
20	140								
	150 160				_				
	170 180				7				
	180 190								
	190 210								
	210 70 80 90								
00	80								
22	90								
	120								



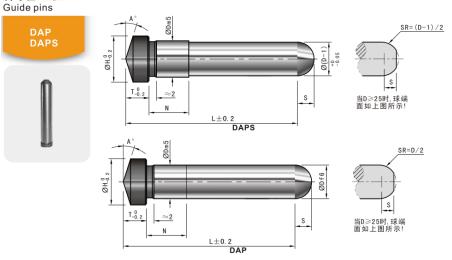


☎ Order Z	Z010-D-L	M材质:SUJ	2 日 硬度	:58-62HRC					
D		L2	L3	L4	L5		sw		@¥/P
24	70 80 90 100 120 140 160 180 200 220				_				
30	80 90 100 120 140	18	25	7	7	10	10	M16	
32	80 90 100 120 140								



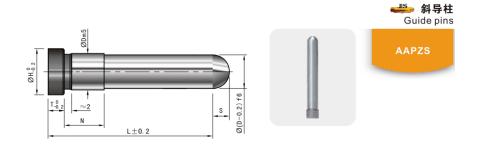


斜导柱 🚚

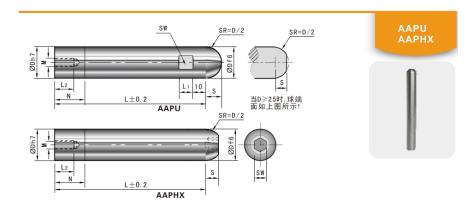


Order	DAP/DAPS-	D-L-N-A	₩材质:	SUJ2 🖽	硬度:58-62	HRC				
D	N(指定单位 0.1mm)	A(指定单位 1°mm)	m5	f6(AP)			S DAP	@¥/P	S DAPS	@¥/P
4					7		2		1.5	
5			+0.009 +0.004	-0.010 -0.018	8	5	2.5		2	
6				515.15	9	3	3		2.5	
8			+0.012	-0.013	11		4		3.5	
10			+0.006	-0.022	13		5		4.5	
12	2≤N				15	10	6		5.5	
13	N≤L-T-1		+0.015 +0.007	-0.016 -0.027	16		6.5		6	
15	或	0-30	+0.007	-0.027	18		7.5		7	
16	N=0				19	13	8		7.5	
20	(无压入部)				23	13			9.5	
25	(, ,		+0.017 +0.008	-0.020 -0.033	28					
30			40.000	-0.033	35		40		10	
35					40	15	10		10	
40			+0.020 +0.009	-0.025 -0.041	45					
50			10.000	-0.041	55	20				





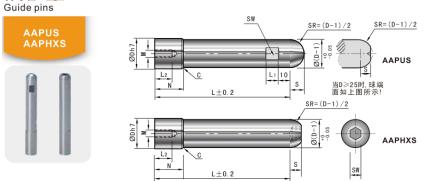
Order	AAPZS-D-L-N	M 材质:SU.	J2 日硬度:58-	-62HRC			
	N(指定单位 0.1mm)	m5					@¥/P
8		+0.012 +0.006	-0.013 -0.022	11	5	3.9	
10	2≪N	+0.006	-0.022	13		4.9	
12	N≤L-T-1			15	10	5.9	
13	或	+0.015 +0.007	-0.016 -0.027	16		6.4	
15	N=0	+0.007	-0.027	18		7.4	
16	(无压入部)			19	13	7.9	
20	,	+0.017/+0.008	-0.020/-0.033	23		9.9	



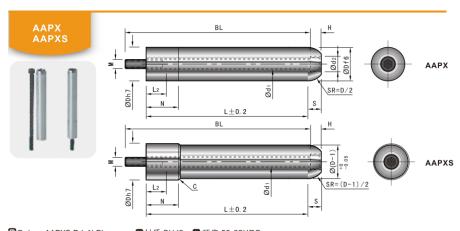
☎ Order /	AAPU-D-L-N	I	M 材质:S	UJ2 日硬	度:58-62HF	RC				
D	N(指定单位 0.1mm)				L1 AAPU	L2	S AAPU	S AAPHX	SW AAPU	B AAPHX (六角孔)
10		0/-0.015	-0.013/-0.022	6	8	15	5	3.5	7	E
13		0	-0.016	8	10	20	6.5	5	10	(电火花加工)
16		-0.018	-0.027	10	10	25	8	7	13	(~X10M1)
20	L>N≥0			12	12	30		6	17	6 (螺塞) M12-L15
25	L/N=0	0 -0.021	-0.120 -0.033	12	12	30	10		22	M12-L15
30		-0.02.1	-0.000	16			10	10	27	O (AM retr.)
35		0	-0.025 -0.041	16	18	40			32	8 (螺塞) M16-L20
40		-0.025	-0.041	20			15	15	36	W110-L20



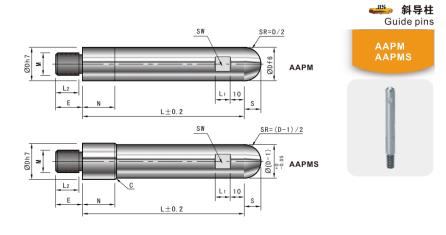




Order	AAPHXS-D-	L-N	₩材质:S	SUJ2 🞛 碩	更度:58-62⊦	IRC				
D	N(指定单位 0.1mm)				L1 AAPUS	L2	S AAPUS	S AAPHXS	SW AAPUS	B AAPHX (六角孔)
10		0/-0.015	-0.013/-0.022	6	8	15	4.5	3	7	E
13		0	-0.016 -0.027	8	10	20	6	4	10	(电火花加工)
16		-0.018	-0.027	10	10	25	7.5	6	13	(-07(1038)
20	L>N≥0	_		12	12	30		0	17	6 (螺塞) M12-L15
25	L/N=0	0 -0.021	-0.120 -0.033	12	12	30	10		22	M12-L15
30		0.02	5.000	16			10	10	27	O (ARR SE)
35		0	-0.025 -0.041	16	18	40			32	8 (螺塞) M16-L20
40		-0.025	-0.041	20			15	15	36	W110-L20



Order	AAPXS-D-L-	N-BL	₩材质:S	SUJ2 🖽 硝	更度:58-62⊦	IRC				
D	N(指定单位 0.1mm)			BL(指定 单位5mm)	BL(指定 单位10mm)					
13		0	-0.016 -0.027		100-210	5.5	9.5	5	5.5	4
16		-0.018	-0.027		100-210	7	11	6	6.5	5
20					60-95 100-270	9	14	8	9	6
25	L>N≥0	0 -0.021	-0.020 -0.033	60.05		11	17	10	11	8
30	L/N=U	0.021	0.000	60-95		14	19	12	13	
32		0	-0.025							10
35		-0.025	-0.025		100-320	18	25	16	17	
40		0.000			100-320	10	20	10	17	14



Order	AAPMS-D-L-	-N	M材质:S	UJ2 田 爾	更度:58-62F	IRC				
D	N(指定单位 0.1mm)						L2	sw	S AAPM	S AAPMS
8		0	-0.013 -0.022	6	12	8	10	7	4	3.5
10		-0.015	-0.022	· ·	17	U	15	'	5	4.5
13	L>N≥0	0	-0.016 -0.027	8	22	10	20	10	6.5	6
16		-0.018	-0.027	12	27	10	25	13	8	7.5
20		0/-0.021	-0.020/-0.033	16	32	12	30	17	10	9.5



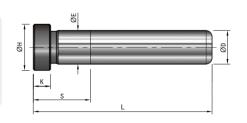


导柱 导套 🚢

Guide pins Guide bush

GLI

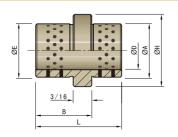




Orde	r GLL-5	5004	Ma≉	オ质:SU、	J2 🖽	硬度:58-62	2HR	0							
公差 直径	CXD+0.000	ØH	k	ØE+0.0005	L+0.00 L-0.06	ØD=3/4I.D. (0.749	ØD=7/8I.D. (0.874	ØD=1" I.D. (.999	ØD=1 ¹ /4I.D.	1.249	ØD=1 ¹ /2I.D.	1.499
直径	ØD-0.0005	(Max.)		ØE-0.000	- 0.06	Code		Code		Code		Code		Code	S
3/4	0.749	0.99	3/16	0.751	33/4	GLL-5004		GLL-5103		GLL-5202		GLL-5302	7/8	GLL-5402	
7/8	0.874	1.115	1/ 4	0.876	41/4	PFGLL-5005		PFGLL-5104		PFGLL-5203		PFGLL-5303	110	PFGLL-5403	
1"	0.999	1.24	1/ 4	1.001	43/4	PFGLL-5006	7/8	PFGLL-5105	7/8	PFGLL-5204	7/8	PFGLL-5304		PFGLL-5404	13/8
11/4	1.249	1.49	5/16	1.251	51/4	PFGLL-5007		PFGLL-5106		PFGLL-5205		PFGLL-5305	13/g	PFGLL-5405	19/8
11/2	1.499	1.74	5/10	1.501	53/4	PFGLL-5008		PFGLL-5107		PFGLL-5206		PFGLL-5306	19/8	PFGLL-5406	
-	-	-	-	-	61/4	-	-	-	-	-	-	PFGLL-5307		PFGLL-5407	

GGBE

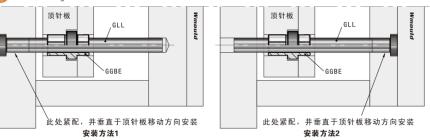


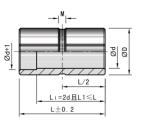


☎Order GGBE-0750 ■材质:铜+石墨

Code	公差 直径	ØD+0.0005	ØE+0.0005	ØA -0.000	ØH +0.000	L +0.00 - 0.06		@¥/P
GGBE-0750	3/4	0.751	1.1255	1.124	1.302	1.5	4	
GGBE-0875	7/8	0.876	1.2505	1.249	1.427	1.5	'	
GGBE-1000	1"	1.001	1.3755	1.374	1.552			
GGBE-1250	11/4	1.251	1.6255	1.624	1.802	1.75	1.12	
GGBE-1500	11/2	1.501	2.0005	1.999	2.177			
GGBE-2000	2"	2.001	2.5005	2.499	2.687	2.25	1.62	

安装示意图: Installation diagram:

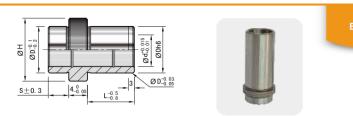


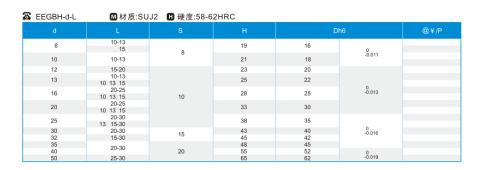






Order GBB-d-L	M 材质:SUJ2	∄ 硬度:58-62HRC	
	d)
尺寸 Size	公差 Tolerance	尺寸 Size	公差 Tolerance
10	+0.009 / 0	14	+0.018 +0.007
12	+0.017 +0.006	18	+0.007
16	+0.006	25	+0.021 +0.008
20		30	+0.008
25	+0.020 +0.007	35	
30	-0.007	42	+0.025 +0.009
35		48	10.003
40	+0.025 +0.009	55	
50	10.008	70	+0.030 +0.011
60	+0.030 / +0.010	80	10.011



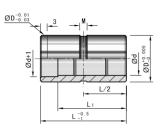




导套 🚚 Guide bush

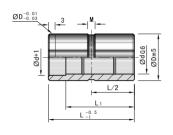




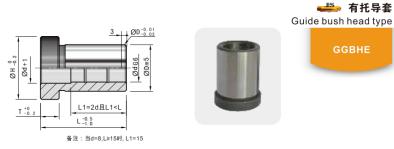


Order	GGBS-d-L	. 0	】材质:SU。	12 🖽 i	硬度:58	-62HR	2							
	a		М						L1@¥/F					
	d			L10	L15	L20	L25	L30	L35	L40	L50	L60	L70	L80
8	0	12						-	-	-	-	-	-	-
10	-0.005	14	6								-	-	-	-
12	0.005	18	(L=10时								-	-	-	-
13	-0.005 -0.010	20									-	-	-	-
16	-0.010	25	t=4)									-	-	-
20	0.040	30												-
25	-0.010 -0.015	35	8											-
30	-0.010	42	0											





Order	GGBSE-d-	L M	材质:SUJ	2 日 硬度	₹:58-62HF	RC					
	dG6	М		m5				@ \	∉/P		
	dGb	IVI	ا ا		L10	L15	L20	L25	L30	L35	L40
8	+0.014		12	+0.015					-	-	-
10	+0.005	6	14	+0.007							
12	+0.017	(L=10时	18	10.007							
13	+0.006		20	+0.017							
16	10.000	t=4)	25	+0.008							
20	. 0 000		30	+0.000							
25	+0.020 +0.007		35	. 0 000	-						
30	+0.007	8	42	+0.020	-	-					
35	. 0.005	(L=15时	48	+0.005	-	-	-				
40	+0.025 +0.009		55	.0.004	-	-	-				
50	+0.009	t=6)	70	+0.024 +0.011	-	-	-	-			
60	+0.029/+0.010		80	+0.011	-	-	-	-		-	-



☎ Orde	r GGBHE-d-	L M 材	质:SUJ2	H 硬度:5	8-62HRC						
	dG6		_	m5				ة @	∮/P		
	uGo		^ل ا	ст		L15	L20	L25	L30	L35	L40
8	+0.014		12	+0.015	14				-	-	-
10	+0.005	5	14	+0.015	16						
12	+0.017	3	18	- 0.007	22						
13	+0.017		20	.0.047	25						
16	+0.000	6	25	+0.017 +0.008	30						
20	. 0.000		30	+0.000	35	-					
25	+0.020 +0.007	8	35	. 0. 000	40	-					
30	+0.007	0	42	+0.020 +0.009	47	-	-				
35	.0.005		48	+0.009	54	-	-	-			
40	+0.025 +0.009	10	55		60	-	-	-			
50	+0.009	40	70	+0.024 +0.011	75	-	-	-	-	-	
60	+0.029/+0.010	12	80	+0.011	86	-	-	-	-	-	-



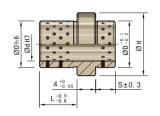
☎ Order GGBH-d-L	M材质:SUJ2 H硬度	:58-62HRC		
				н
8	0	5	12	14
10	-0.005		14	16
12			18	22
13	-0.005 -0.010		20	25
16	0.010	6	25	30
20			30	35
25	-0.010 -0.015	8	35	40
30	5.010		42	47

]润滑导套 🚢

elf-lubricating guide bush

FEGR7S

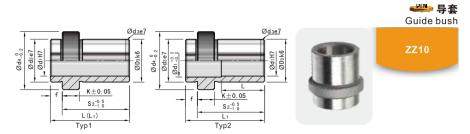




	S-d-L █ 材质	長:铜+石墨				
d				Di	16	@¥/P
13	10 13-15		25	22		
16	13-15 20		28	25	0 -0.013	
20	13-15 20	10	33	30	-0.010	
25	15 20-25		38	35	0	
30	15-25	15	43	40	-0.016	
35	20-25		48	45		
40	20-30	20	55	52	0	
50	25-30		65	62	-0.019	







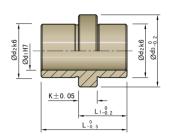
Order	ZZ10-d1-S2	M材质:SU	J2 田 硬度	:58-62HRC						
d1		Тур							@¥/P	
	12		15	15						
	17		20	20						
	22 27	1	25 30	25						
9-10	27		30	30		_				
	36		39	39	3	3	14	16		
	46 56			49						
	56	2	46	59						
	66	~	-10	69						
	17		26	26						
	22		31	31						
	27	1	36	36						
	36		45	45						
	46		55	55						
14-15	56		33	65			20	25		
	66			75						
	76			85						
	86	2	56	95						
	96			105						
	116		00	125						
	17		26	26 31						
	22 27		31	36						
	27		31 36 45 55	45						
	36 46	1	45	55						
40.00	46		55	55			00	0.4		
18-20	56		65	65			26	31		
	66		75	75						
	76 86			85 95						
	00		70	105						
	96 116	2	76	105						
	110			125						
	136			145						
	17		26	26 31	9	6				
	22 27		31	36						
			36 45	45						
	36		45							
	46	1	55	55						
22-24	56 66		65	65			30	35		
22-24	76		75 85	75			30	33		
			85	85						
	86		95	95						
	96		105	105						
	116	2	00	125						
	136	2	96	145						
	156		00	185						
	27		36	36 45						
	36 46		36 45 55	45						
	40 EC		55	55						
	56 66	1	65	65 75						
	76	1	75 85	75 85						
30-32	86		95	95			42	47		
30-32	96		106	105			42	47		
	116		105 125	125						
	136		125	145						
	150	2	440							
	156 196	2	116	165 205						
	46		58	58						
	56		68	68						
	66		78	78						
	76	1	88	88						
	86	' '	98	98	12	10				
40-42	96		108	108	12	10	54	60		
40-42			108	108			54	00		
	116 136		120	148						
	150									
	156 196	2	136	168 208						
	246			258						
	240			200						



导套 🕮 Guide bush

ZZ4079

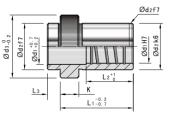




	9-d1-L M 材/	贡:铜				
d1						@¥/P
10	14 20	7 12	14	17	3	
16	28 39	16 27	22	26		
20	28 39	16 27	28	32	6	
25	30 39	18 27	32	36		
32	47	22 27	40	45	8	



2	Order ZZ4085-d-L3	М 材质:铜			
		L3			@¥/P
	10	14 20	14	1	
	12	25	17	1.5	
	16	20	22	2	







Order	ZZ75	5-d1-L1	\mod材	质:SUJ	2 🖽 f	₩ 硬度:58-62HR	
d1		L2	L3				@¥/P
9/10	16 21 26 36 46 56	L1 50	5	14	17	4	
11/12	16 21 26 36 46 56 66	L1 51		18	22		
15/16	16 21 26 36 46 56 66 76 86 96	L1 96	6	24	28		
19/20	16 21 26 36 46 56 66 76 86 96	L1 96	8	28	32	6	
25/26	21 26 36	L1		34	38	8	

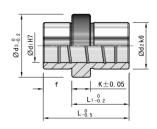
		L2	L3				@¥/F
25/26	46 56 66 76 86 96	L1 106		34	38		
30/32	36 46 56 66 76 86 96 116 136	L1 120	8	42	46	8	
38/40	176 46 56 66 76 96 116 136 156	150 L1 130 150		50	54		
48/50	56 66 76 96 116 136 156	L1 150	.0	63	70	10	





ZZ78

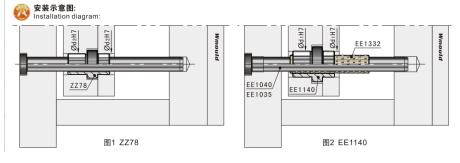


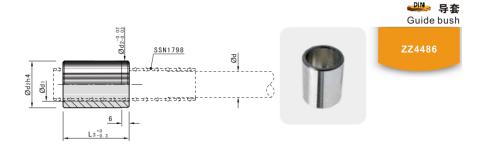


	1-L M 材质:S	UJ2 Ⅱ 硬度:58	-62HRC			
						@¥/P
16	28 39	18	24	28	6	
20	28 39	10	28	32	0	
25	49	25	34	36	8	



Order EE1140-da	型材质:SUJ2	Ⅲ 硬度:58-62HRC			
		L2			@¥/P
17	17	9	22	25	
24	22	12	30	33	
30	27	17	38	41	
38	32	22	46	49	





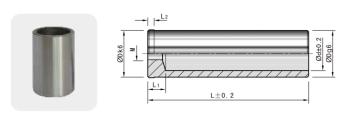
Order	ZZ4486-0-L3	國 科 庚:SUJ2	■ 硬度:58-62HRC		
		L3			@¥/P
	10110	23			
	10/12	30 37	15/17	22	
		23			
		30			
	15/16	30 37	21/22	28	
	10110	47			
		60			
		23			
		30			
	19/20	37	25/26	32	
	19/20	47	25/26	32	
		60			
		77			
		23			
		30			
	24/25	37	30/31	40	
		47 60			
	60				
		77 30 37			
		37		48	
		47			
	30/32	60	38/40		
		77			
		77 95			
		30 37			
		37			
		47			
	38/40	60	46/48	58	
		77 95			
		95			
		120			
		37			
		47 60			
	48/50	77	56/58	70	
		95			
		120			
		60			
		77			
	60/63	95	70/73	85	
	120				



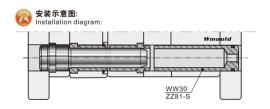
导套 🍑

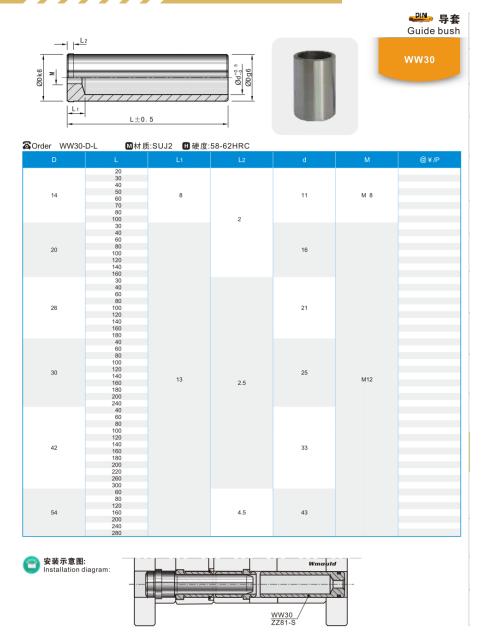
Guide bush

7781-S



☎ Order ZZ81-S	S-D-L M 材质	ត្:SUJ2 H 硬度:	58-62HRC			
			L2			@¥/P
18	40 50 60 70 80 90 100 45	10	2	13	M 8	
24	55 65 75 85 95 105 115	12		17	M10	
28	135 40 60 80 100 120 140	14	2.5	21		
34	60 80 100 120 140	15		27	M12	
42	200 60 90 110 130 150 200			34		
50	60 90 110 130 150 200	17	4.5	44	M16	
63	60 90 110 130 150 200	20		52		



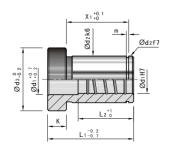




导套 🕮 Guide bush

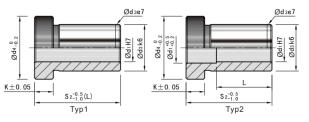
7776





☎ Ord€	er ZZ	76-d1-L	_1 M	材质:	SUJ2	■ 硬度:58-62HRC			
d1		L2						@¥/P	
9/10	16 21 26 36 46 56	L1 50	14	17		9.2 14.2 19.2 29.2 39.2 49.2	1.1		
11/12	16 21 26 36 46 56	L1 51	18	22	4	8.6 13.6 18.6 28.6 38.6 48.6			
15/16	66 16 21 26 36 46 56 66 76 86	31	24	28	6	58.6 6.4 11.4 16.4 26.4 36.4 46.4 56.4 66.4 76.4 86.4	1.3		
19/20	16 21 26 36 46 56 66 76 86 96	L1	28	32	0	6 11 16 26 36 46 56 66 76 86	1.6		
25/26	21 26 36 46 56 66 76 86 96	106	34	38	8	8.5 13.5 23.5 33.5 43.5 53.5 63.5 73.5 83.5 103.5			

		L2						@¥/F
	36					22.3		
	46					32.3		
	56					42.3		
	66	L1				52.3		
	76					62.3		
30/32	86		42	46		72.3	1.85	
	96					82.3		
	116					102.3		
	136	120				122.3		
	156	150			8	142.3		
	176				-	162.3		
	46					31.6		
	56					41.6		
	66	L1				51.6		
38/40	76					61.6		
	96		50	54		81.6	21.5	
	116	400				101.6		
	136	130				121.6		
	156	150				141.6		
	176					161.6		
	56					39.6		
	66					49.6		
	76					59.6		
	86	L1				69.6		
48/50	96		63	70	10	79.6		
	116					99.6		
	136					119.6		
	156	150				139.6		
	176					159.6		
	96					76.3 96.3		
	116	L1						
63	136		80	88	12.5	116.3	2.65	
	156 176					136.3 156.3		
	176	150				176.3		





Order	Order ZZ11-d1-S2		₩材.	质:SUJ2	2 日荷	更度:58-	62HRC
d1			Тур				@¥/P
9/10	9 12 17 22 27 36 46 56	9 12 17 22 27 36	1	3	14	16	
12	66 17 22 27 36 46 56	17 22 27 36 46 56	1		18	23	
14/15	12 17 22 27 36 46 56	12 17 22 27 36 46			20	25	
	66 76 86 96	56	2				
16	17 22 27 36 46 56	17 22 27 36 46 56	1	6	22	27	
18/20	17 22 27 36 46 56 66 76	17 22 27 36 46 56 66	1		26	31	
	86 96 116	76	2				
22/24	17 22 27	17 22 27	1		30	35	

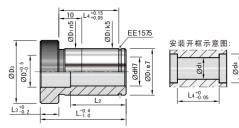
			Тур				@¥/P
	36 46	36 46					
	56	56					
22/24	66	66	1		30	35	
	76	76	1 2 1 2 1 2 2 1 2				
	86	86					
	96	96					
	116	96	2	6			
	136	96					
	27	27					
30/32	36	36					
	46	46					
	56	56	1		42	47	
	66	66 76					
	76 86	76 86					
	96	96					
	116	96	2				
	136	116					
	156	110	2				
	46	46					
	56	56					
	66	66					
	76	76			54	60	
40/42	86	86			04	00	
	96	96					
	116	116					
	136	136					
	156	100		10			
	196	136	2				
	246						
	76	76					
	96	96					
	116	116	1		66	72	
50	136	136					
	156	136	0				
	196	136	2				
	96	96					
	116	116	1				
60	136			20	80	86	
60	156	136		20	60	OD	
	196	130	2				
	246						





FF4440



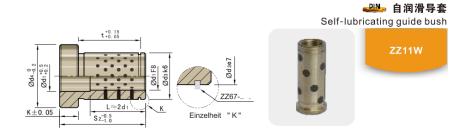


Order	EE1110-d-L	₩材	质:SUJ2	H 硬度:58-62HR	С	
				D4		
	14			22	٦	
	18			26.8		
	20			29	П	
	22		30.8			
	26			35.5		

	D4
30	40.5 55.7 69.2 81.4
42 54	55.7
54	69.2
66	81.4

			L2	L3	L4			@¥/P
9	10	12 17 22 27 36 46 56	- 22	3	5.5 10.5 15.5 20.5 29.5 39.5 49.5	14	16	
12		12 17 22 27 36 46 56	36		7 12 17 26 36 46	18	23	
14	15	12 17 22 27 36 46 56 66 76	46		7 12 17 26 36 46 56 66	20	25	
16		86 96 17 22 27 36 46 56 66	-	6	76 86 7 12 17 26 36 46 56	22	27	
		76 86 96 17 22 27	46		66 76 86 7 12			
18	20	36 46 56 66 76 86 96	56		26 36 46 56 66 76 86 106	26	31	
22	24	22 27 36 46	-		11 16 25 35	30	35	

			L2	L3	L4			@¥/P
		56 66	-		45 55			
		76			65			
22	24	86	- 76 96		75	30	35	
		96			85			
	116 76 10	105						
		136			125			
		156 27			145 14			
		36			23			
		46		6	33			
		56		0	43			
		66			53			
30	32	76			63	42	47	
		86			73			
		96			83			
		116			103			
		136	00		123			
		156	96		143			
		176			163			
		36			18			
		46			28			
		56			38			
		66	-		48			
		76			58			
		86			68			
40	42	96 116			78 98	54	59	
40	42	136			118		59	
		156			138			
		176			158			
		196			178			
		216	116		198			
		236			218			
		246		40	228			
		256		10	238			
		56			38			
		66			48			
		76	-		58			
		86			68			
		96			78			
50	50	116			98	00		
50	52	136 156			118	66	71	
		156			138 158			
		176			158			
		216	116		198			
		236			218			
		246			228			
		256			238			
		200			LUU			



						@¥/F
	12	6.6				
	17	11.6				
	22	16.6 21.6				
9-10	27	21.6	3	14	16	
3-10	26	30.6	3			
	36	40.6				
	46	40.6				
	17 22 27 36 46 56 17 22 27	50.6				
	17	8.3				
	22	13.3				
12	27	18.3		18	23	
12	36 46 56 17	27.3 37.3		10	23	
	46	37.3				
	56	47.3				
	17	8.3				
	17	40.0				
	22	13.3				
14-15	27	18.3		20	25	
	36	27.3				
	22 27 36 46	37.3				
	56	47.3				
	56 22 27 36 46 56 17 22	47.3 13.3				
	27	18.3			27	
16	36	27.3		22		
10	46	37.3		22		
	40	37.3				
	56	47.3				
	17	8.3				
	22	13.3				
18-20	27	18.3				
	36	27.3	6	26	31	
	27 36 46 56	37.3				
	56	47.3				
	66 76 22 27	57.3				
	76	67.3		30		
	22	12.6				
	27	17.6				
	21	17.6				
	36	26.6			35	
22-24	46	36.6				
	56	46.6				
	66	56.6				
	36 46 56 66 76 86 96 27	66.6				
	86	76.6				
	96	86.6				
	27	15.9				
	36	24.9				
	46	34.9				
20.22	40	34.9		40	47	
30-32	36 46 56 66	44.9		42	47	
	66	54.9				
	76 86 96 116	64.9				
	86	74.9				
	96	84.9				
	116	104.9				
	46	30.2				
	56	40.2				
	66	50.2				
	76	60.2				
40-42	76	60.2	10	54	60	
	86	70.2		-		
	46 56 66 76 86 96 116	80.2 100.2 120.2				
	116	100.2				
	400	100.0				

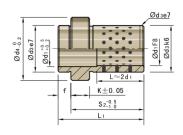


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Self-lubricating guide bush

ZZ10V





	V-d1-S2 M ∤						
							@¥/P
	12 17 22 27	17 22					
	1/	22	6				
	22	27 32					
9-10	27	32	5	3	14	16	
5-10	36 46	41	J		14	16	
	40 56	61					
	66	71					
	17	23					
	22	28					
	27	33					
	36	42					
14-15	46	52	6		20	25	
1.1.10	56	62	v		20	20	
	66	72					
	76	82					
	86	92					
	56 66 17 22 27 36 46 56 66 76 86	41 51 61 71 23 28 33 42 52 62 72 82 92 25 30 33 44 44					
	22 27	30					
	27	35					
	36	44					
18-20	36 46	54			26	31	
	56 66	64 74					
	66	74					
	76 86	84 94					
	86	94					
	96	104					
	96 116 22 27 36 46 56 66 76 86 96	124					
	22	30	8	6			
	27	35		· ·			
	36	44					
	46	54					
	56	54			30	35	
22-24	70	74					
	76	04					
	00	104					
	116	124					
	136	144					
	136 156	144 164					
	27	35					
	36	44					
	27 36 46 56	35 44 54 64					
	56	64					
30-32	66	74			42	47	
	66 76	74 84					
	86	94 104					
	86 96 116 136 46 56 66 76 86 96 116	104					
	116	124	8 6 30 35				
	136	144					
	46	124 144 56 66 76 86 96 106 126 146					
	56	66					
	66	76					
	76	86					
40-42	86	96	10	10	54	60	
.0.72	96	106	10	10	04	00	
	116	126					
	136	146					
	156 196	166 206					



	W-d1-S2 M	材质:铜+石墨					
d1							@¥/P
14-15	17	26	9		20	25	
18-20	22	39	17		26	31	
22-24	27	49	22	6	30	35	
30-32	36	63	27		42	47	



	W-d1-S2-f	材质:铜+石墨					
d1							@¥/P
24	17	9 12	26 29		30	35	
36	22	9	26 39	6	44	49	
48	27	22	49		58	63	

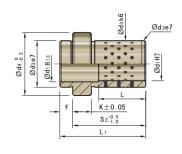


自润滑导套 🔐

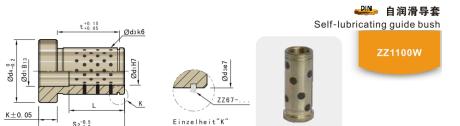
Self-lubricating guide bush

ZZ1000W





Order	ZZ1000W-S	2-d1 M	材质:铜+石	墨						
S2								@¥/P		@¥/P
12 17 22 27 36 46 56 66	9	20	14	16	3	17 22 27 32 41 51 61 71 23 28 33 42	5		10	
17 22 27 36 46 56 66 76 86	14	- 28 30	20	25		52 62	6		15	
12 17 22 27 36 46 56 66 17 22 27 36 46 56 66 67 68 67 72 22 27 36 46 56 66 67 67 88 61 72 22 27 36 46 57 47 48 48 48 48 48 48 48 48 48 48 48 48 48	18	- 30 40	26	31		72 82 92 25 30 35 44 54 64 74 84 94 104 124 30 35 44			20	
22 27 36 46 56 66 76 86 96 116 136	22	- 36 49	30	35	6	64 74 84 94 104 124 144	8		24	
76 86 96 116 136 156 27 36 46 56 66 76 86 96 116 136 46	30	- 54 64	42	47		35 44 54 64 74 84 94 104 124 144 56 66			32	
46 56 66 76 86 96 116 136 156	40	- 76 80	54	60	10	56 66 76 86 96 106 126 146 166 206	10		42	



🕿 Order	ZZ1100W-	S2-d1	█ 材质:铜+石墨							
							ZZ67/	@¥/P		@¥/P
12 17 22 27 36 46 56	9	- 20	14	16	3	6.6 11.6 16.6 21.6 30.6 40.6 50.6	ZZ67-14-1		10	
17 22 27 36 46 56	12	24	18	23		8.3 13.3 18.3 27.3 37.3 47.3	ZZ67-18-1.2			
17 22 27 36 46 56	14	- 28 30	20	25		8.3 13.3 18.3 27.3 37.3 47.3	ZZ67-20-1.2		15	
22 27 36 46 56 17	16	- 28 30	22	27		13.3 18.3 27.3 37.3 47.3 8.3	ZZ67-22-1.2			
22 27 36 46 56 66 76	18	40	26	31	6	13.3 18.3 27.3 37.3 47.3 57.3 67.3	ZZ67-26-1.2		20	
22 27 36 46 56 66 76 86 96	22	- 36 48	30	35		12.6 17.6 26.6 36.6 46.6 56.6 66.6 76.6 86.6	ZZ67-30-1.5		24	
27 36 46 56 66 76 86 96	30	- 54 64	42	47		15.85 24.85 34.85 44.85 54.85 64.85 74.85 84.85 104.85	ZZ67-42-1.75		32	
46 56 66 76 86 96 116 136	40	- 76 80	54	60	10	30.15 40.15 50.15 60.15 70.15 80.15 100.15 120.15	ZZ67-54-2		42	

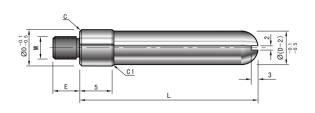
导柱导套 Guide pins Guide bush



弹簧导正销 🚢 Spring guide pins

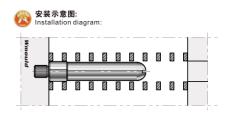
SSGAMK

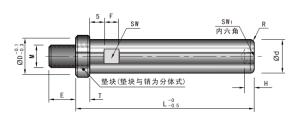




- 1. 该产品为卧式使用塑料模具专业弹簧导正销;
- 2. 导正销直径规格比弹簧内孔小2MM, 同时使用无硬度的生材制作而成, 从而避免了弹簧内孔的磨损;
- 3. 横卧使用时,请注意给弹簧预压一定的压缩量
- 1. This parts is horizontal use plastic mold special spring guide pin.
- 2. This guide pin diameter is smaller 2MM than spring inner holes ,at the same apply to no hardness of material to processing Thereby avoid abrase spring inner holes.
- 3. please notes to prepressing definite compression when horizontal use.

Order	SSGAM	<-D-L	Μ材质	:SK4(生	才)							
			М					@¥/P				
				L20	L30	L40	L50	L60	L70	L80	L90	L100
8	0.5		6						-	-	-	-
10	0.5	10	8								-	-
12	4		0								-	-





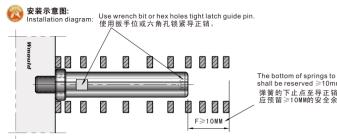
→ 弹簧导正销 Spring guide pins

SSGA



- 1. SSGA-7~12.5 size 20、SSGA-13.5~16size 20~25、SSGA17.5~27.5size 30~35未加工扳手槽;
- 2. SSGA-13.5~33的尺寸为5mm(L=25、35、45...)时,T及E的尺寸为"()"内参数:
- 3. 与矩形螺旋弹簧配套使用时,请参考最大外径尺寸。
- 1. SSGA-7~12.5尺寸20、SSGA-13.5~16的尺寸20~25、SSGA17.5~27.5 size 30~35not processing.
- 2. SSGA-13.5~33 size:5mm(L=25、35、45...), T and E size wrench groove.
- 3. When use it with square spring, please refer to max out diameter size.

Order	SSGA-D	-L M	材质:S45	C H 硬	度:20-25⊦	IRC 表面	处理:发	黑处理				
D			Н	F		Т	sw	SW1		适用于矩 轻载	形螺旋弾簧	适用 聚氨酯
7 8	6	7			1	3	4	3	M 4×0.7	Ø14 Ø16	Ø14 Ø16	Ø15 Ø20
9 10	8	8	3	8	1.5	4	6	4	M 5×0.8	Ø18 -	Ø18 Ø20	-
11 12.5	10	10			2		8	5	M 6×1	Ø20 22 -	Ø22 Ø25	Ø25
13.5 15 16	13	17	4	10	2.5		11	6	M 8×1.25	Ø25 27 Ø30	Ø27 Ø30	Ø30- 60
17.5 19 20	16	20	5	12		5	14	8	M10×1.5	Ø35 -	Ø35 - Ø40	-
22 25 27.5	20	23	6	14	3		17	10	M12×1.75	Ø40 - Ø50	Ø50	Ø80-100
30 33	25	27	8	16			22	14	M16×2	Ø60	Ø60	-



The bottom of springs to end face of guide pin shall be reserved ≥10mm safety length. 弹簧的下止点至导正销的端面 应预留≥10MM的安全余量。

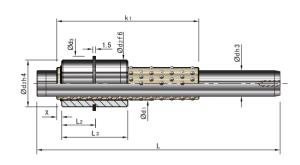


钢珠导柱导套 🕮

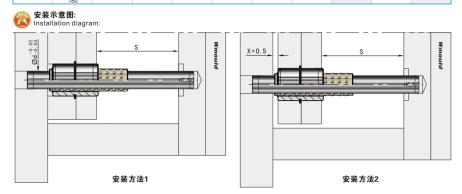
Steel ball guide pins & bush

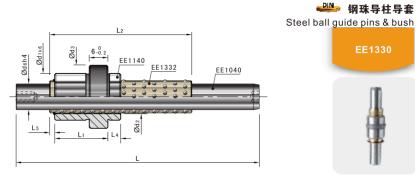
774147



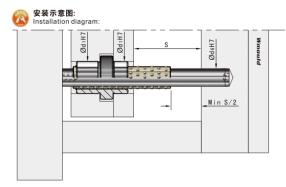


Order	ZZ4147-d-L-K	<1 M	材质:SUJ2	₩ 硬度:	58-62HRC					
d			L2	L3					Smax.	@¥/P
	80	30 41							15 35	
	100	30 41							15 35	
12	100	51	14	25	17	24	29.5	2.2	55	
	125	41 51							35 55	
	140	41							35	
		51 45							55 35	
	100	54							57	
	125	45							35	
	120	54 45							57 35	
16	140	54	15	30	22	28	3.5		57	
		70							80	
	150	54							57	
		70 54							85 57	
	160	70							85	
	100	45						2.7	30	
	100	54							50	
	130	45 54							30 50	
		45							30	
20	140	54	19.5	35	26	35	41.5		50	
		70 54							80 50	
	150	70							80	
	160	54							50	
	100	70							80	





☎ Order	EE1330-d6-L-	-S M 材	质:SUJ2	₩ 硬度:58-	62HRC					
d6							L2	L4		@¥/P
	80 100	35					36			
12	120	55 35	22	17	25	17	48 36	9	2.5	
12	140	55	22	"	25	"	48	3	2.5	
	160	80					60			
	80 100	45					48			
18	120	65 45	30	24	33	22	60 48	12		
10	140	65	30	24	33	22	60	12		
	160 180	90					76			
	100 120	45					52		2.8	
24	140	75 45	38	30	41	27	70 52	17		
24	160	75	30	30	41	21	70	"		
	180 200	105					84			
	140 160	55					70			
30	180 200	95	46	38	49	32	90	22	4.8	
	250	135					110			



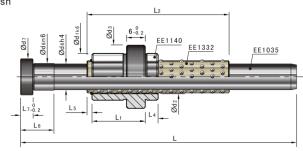


钢珠导柱导套 🔐

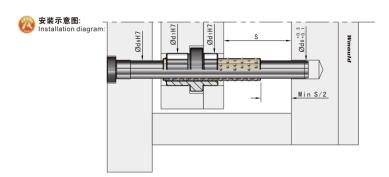
Steel ball guide pins & bush

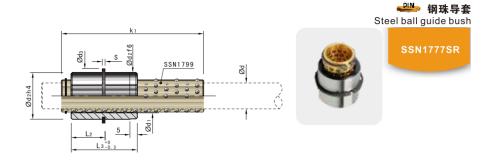
EE1325



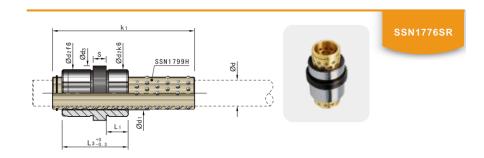


Order	EE1325	5-d6-L-S	M	材质:SUJ	2 田 碩	度:58-62	2HRC						
d6								L2	L4		L6	L7	@¥/P
	80 100	35 55 35						36 48 36					
12	120 140	55 80	22	17	25	15	17	48 60	9	2.5	17	4	
	160 80 100	45						48					
18	120 140	65 45	30	24	33	21	22	60 48	12		22		
	160 180	65 90						60 76		2.8			
	100 120 140	45						52		2.0		6	
24	160	75 45 75	38	30	41	27	27	70 52 70	17		27	Ü	
	180 200	105						84					
30	140 160 180	55	46	38	49	35	32	70	22	4.8	36		
30	200 250	95 135		-50	.0			90 110					





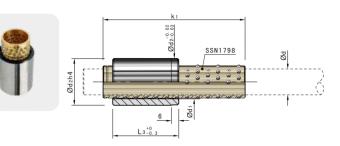
Order	SSN1777SR-d-K	■ 材质	:SUJ2 日 碩	更度:58-62HR(
d		L2	L3					@¥/P
12	30 41	14	25	17	24	29.5	1.2	
16	45 54 70	15	30 45	22	28	34.4		
20	45 54 70	19.5	35 50	26	35	41.4	1.5	
25	45 58 70	23	35 45	32	40	47.5	1.75	
	78 95		50					
32	68 80 95	25	55	40	50	58.4		
40	63 73 90			32	60	68.6	2	
	112	32	75					



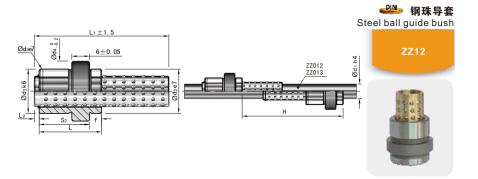
Order	SSN	N1776SR-d-K1	R-d-K1 ■材质:SUJ2 ■ 硬度:58-62HRC										
d				L3					@¥/P				
12		40 56	6	24	16	22	26						
18		45 56	11	34	24	30	35	6					
30		75 95	21	54	38	46	52						

钢珠导套 🕮 Steel ball guide bush

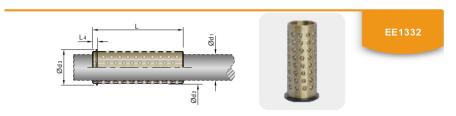
ZZ4485



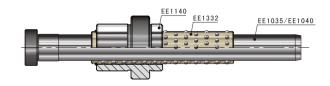
Order ZZ4485-d-L3	圖物版.3032	₩ 恢 浸 . 30-02111	10		
	L3				@¥/P
	23	30			
10/12	30	41	15/17	22	
	37				
	23	45			
15/16	30 37	45	21/22	28	
15/16	47	54	21/22	20	
	60	70			
	23				
	30	36			
	37	45			
19/20	47	54	25/26	32	
	60	70			
	77	90			
	23	36			
	30				
24/25	37	45	30/31	40	
24/23	47	58 70	30/31	40	
	60 77	70			
	77	95 35			
	30	35			
	37 47	45 57			
30/32	60	68	38/40	48	
	60 77	95			
	95	112			
	30				
	37	45			
	47	63			
38/40	60	73	46/48	58	
	77	90 112			
	95	112			
	120	128 45			
	37	45			
	47	65			
48/50	60	73	56/58	70	
40/00	77	96	33/30	.0	
	95	110			
	120	126			
	60	88			
60/63	77	104	70/73	85	
	95 120	126 148			



Order	ZZ12-d1-L1	ZZ12-d1-L1										
d1			L2					Hmax	@¥/P			
12	40 56	24	2.1	22	26	18	6	50 82				
18	45 56 71	34	3	30	35	23	11	44 66 96				
30	56 75 95	54	4.8	46	52	33	21	32 70 110				



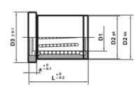
Corder EE1332-d	1-L M 材质:铜				
d1				L4	@¥/P
12	36 48 60	17	20.5	2.5	
18	48 60 76	24	28.6	2.8	
24	52 70 84	30	35.7	2.0	
30	70 90 110	38	43.5	4.8	





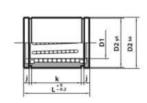


Order	SSN1798-d-k	1	М 材质:	铜					
Code									@¥/P
	10	30 41	15	13.6		70 100			
	12	30 41	17	15	2.5	70 100	1.2	1	
	12	51	17	10		130			
		32 45				72 108			
	15/16	54 58	21/22	19 /20		132 144			
		70 36				180 98	1.5	1.2	
		45 54				126 168			
	19/20	70 82	25/26	22.9/23.9	3	210 252			
		90				280			
		26 45				112 144			
	24/25	58 70	30/31	26.9/27.9		192 240	2	1.5	
		78 95				272 336			
ZZ1798		105 35				368 90			
ZZ1799		45 57				126 162			
	30/32	68 80	38/40	35 /36		198 234			
		95 100				288 306			
		112 45				342 168	2.5	1.7	
		63 73				240 288			
	38/40	90 112	46/48	42.5/44.5	4	360 456			
		128 45				528 160			
		65 73				256 288			
	48/50	85 96	56/58	52 /54		368 400	3	2	
		110 126				464 544			
		88				336			
	60/63	104 126	70/73	65 /69	5	408 504	3.5	2.4	
	12	148 40	16	14.5	2	600 132	1.2	1	
		56 45				192 120			
ZZ1799H	18	54 70	24	21.5	3	144 192	1.6	1.2	
	30	56 75	38	24.5	4	162 234	2	1.6	
		95				306			





☎ Order EEBC	C-D1-L	M材质:SUJ	2 日 硬度	:58-62HRC		
CODENO	D1	D2	D3			@ ¥ /P
EEBC-2035	20	32	36	35	6	
EEBC-2535	25	40	45	35	6	
EEBC-2545	25	40	45	45	6	
EEBC-2555	25	40	45	55	6	
EEBC-3245	32	50	56	45	8	
EEBC-3263	32	50	56	63	8	
EEBC-4045	40	60	66	45	8	
EEBC-4063	40	60	66	63	8	





CODENO	D1	D2				@¥/P
EEBD-1230	12	24	30	20	1.3	
EEBD-1630	16	28	30	19	1.6	
EEBD-1635	16	28	35	24	1.6	
EEBD-2035	20	32	35	24	1.6	
EEBD-2045	20	32	45	34	1.6	
EEBD-2535	25	40	35	23	1.8	
EEBD-2545	25	40	45	33	1.8	
EEBD-2555	25	40	55	43	1.8	
EEBD-3245	32	50	45	33	2.1	
EEBD-3263	32	50	63	51	2.1	
EEBD-4045	40	60	45	33	2.1	
EEBD-4063	40	60	63	51	2.1	

导柱导套 Guide pins Guide bush

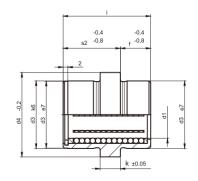


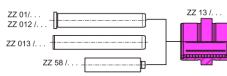
钢珠导套 🕮

Steel ball guide bush

ZZ13



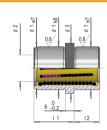




Order	ZZ13-s2-d1	Μ材质:SUJ	2 日 硬度:58-	62HRC			
				d4			@¥/P
26	9		24	28	17	12	
39	17		32	36	22	18	
29	12	6	39	43	17	24	
			50	54		30	
39	17		56	60	22	36	
						1.0	

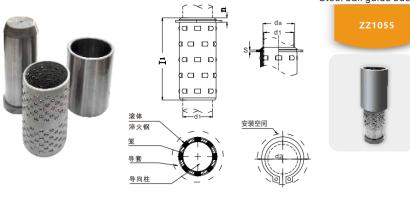
EE1144





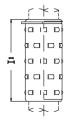
Order EE1144-d2-	I2-I1 ■材质:SUJ2	Ⅱ 硬度:58-62HRC			
d1					@¥/P
22	25	12	9 12	17	
30	33	18	12 17	22	
38	41	24	17 22	27	
46	49	30	22 27	32 36	

₩ 鋼针导套 Steel ball guide bush



提示:

- 在安装被骨架时无需他人帮忙即可插接到正确的 位置。骨架在安装区域中装备有制动环衬垫。优 点主要在有多柱的导柱模架得到发挥。
- Z Z1055和球导向相比,滚轮导向有较高的负荷 能力。由于和球导向相比,滚轮导向的滚动摩擦 面加大,所以预张要小得多。



产品特点:

异型滚子保持架和导奮以及导向柱之间有线形接触。 和有同样标称尺寸的球体相比,这一前提使得各个滚 子的负荷能力提高了几倍。滚柱轴承模压方法类似于 滚珠轴承保持架。异型滚子在轴向排列为螺旋形。这 样,每一异型滚子都要自已的滚道。滚子保持架带有 安全环用的凹槽。

るOrder ZZ155-d1-l1-(1或2) М材质: 黄铜(1) 铝材(2) ● 硬度: 54-56HRC

				192	0 2425		3840	4850				@¥/P
k				3	3	4	4	4	4			
滚子数目/一圆	周行			8	10	12	14	18	22			
n				2.9	3.2	3.95	3.95	4.25	4.75			
11						滚子总	数					
45				3	2 40	48	-	-	-			
55				4	0 50	60	70		-			
65				4	8 60	72	84	108	-			
75				5	6 70	84	98	126	154			
85				6	4 80	96	112	144	176			
95				7	2 90	108	126	162	198			
105				8	0 100	120	140	180	220			
115				-	110	132	154	198	242			
125				-	120	144	168	216	264			
135				-	-	156	182	234	286			
145				-	-	168	196	252	308			
155					-	180	210	270	330			
165				-	-	192	224	288	352			
175				-		-	238	306	374			
185				-	-	-	252	324	396			
205				-	-	-	280	360	440			
卡环尺寸												
d1	19	20	24	25	30	32	38	40	48	50	63	
		25*1, 2	29*15		37*1,75			47*1,75	55*2		70*2,5	
订购号	019	020	024	025	030	032	038	040	048	050	063	
d2	33,2	34,2	39,1	40,5	49	51,4	59,1	60,8	70,2	72,6	87	

注意:

1.订购型号ZZ1055.025.085(1).括号中的1代表材料是黄铜,2代表材料是铝材;2.如需订购导柱及钢套配合请备注尺寸.

压条 & 耐磨板系列 Guide strips & wear plate Series







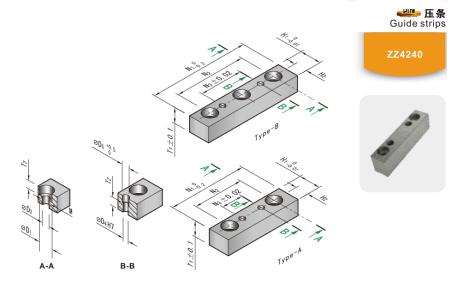






产品概述 Products Summary

	形状	材质	类	型	标准	Coce	页码
A		SKD11	带螺孔+销孔型	无石黑型	DIN	ZZ4240	P853
		SKDTI	带螺孔型	无石黑型	DIN	ZZ4248	P854
		黄铜	带螺孔型	加石墨型		DT1481	P857
		油钢	市場九里	加力量型		DT1482	P858
		油钢	带螺孔型	加石墨型	wmould	DT1483	P859
В	Α	黄铜	市場で生	加有重生	William	DT1484	P860
	^	P20	带螺孔型	无石黑型		DT1485	P861
		黄铜	リスポラビ王	加石墨型		DT1486	P862
The state of the s			带螺孔型	无油槽型		ccgs	P886
		油钢	117-1117-11	带油槽型	JIS	CCGSM	P886
C		,,,,,,	带螺孔型	无油槽型		GGRS	P882
				带油槽型		GGRSM	P883
		SKD11	带螺孔+销孔型	无石黑型	DIN	ZZ4242	P856
			带螺孔型	无石黑型		ZZ4244	P855
D			带螺孔型	加石墨型	-	DT1471	P863
		黄铜		加石墨型	1	DT1472	P864
8			无螺孔型	加石墨型	wmould	DT1474	P866
	В	P20	带螺孔型	无石黑型		DT1473	P865
			无螺孔型	无石黑型		DT1475	P867
E				无油槽型	-	GGR5SC	P884
50		油钢	带螺孔型	无油槽型	JIS	GGR5S	P884
				带油槽型	-	GGR5SCM	
				带油槽型		GGR5SM	P885
		油钢	带螺孔+销孔型	加石墨型	_	DT1461	P868
F	С		带螺孔型	加石墨型	wmould	DT1463	P870
700		黄铜	带螺孔+销孔型	加石墨型	-	DT1462	P869
			带螺孔型	加石墨型		DT1464	P871
			S=8	无油槽型 # 油槽型	-	GGT5S	P880
G	D	油钢		带油槽型 无油槽型	JIS	GGT5SM	P881 P880
			S=11	尤油槽型 带油槽型	-	GGT8S	P881
		SKD11	/	市油價型 无石黑型	DIN	GGT8SM SSN4185	P874
6//	E	黄铜	/	加石墨型	JIS	CCBG	P875
		黄铜	/	加石墨型	DIN	SSN4186	P874
н	F	\$45C	/	无石黑型	JIS	CCBP	P875
		黄铜	/	加石墨型	0.0	DT1451	P872
		~ ~ ~	/	加石墨型	wmould	DT1452	P873
	G	油钢	/	带油槽型		SSASM	P879
A.			/	无油槽型	1	SSAS	P879
例: 形状: C 带销孔+螺孔+石墨			/	加石墨型	1	CCS30W	P877
h田 71	н	黄铜	/	加石墨型	JIS	CCS15W	P878
螺孔			/	带油槽型	1	CCS30F	P877
		S45C	/	带油槽型	1	CCS15F	P878
销孔 · · · · · · · · · · · · · · · · · · ·							
D.							



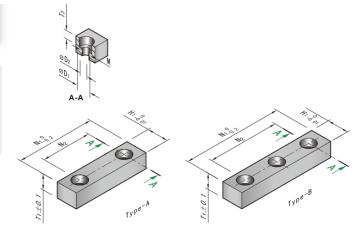
Order	ZZ424			■ 材质:SKD11 日 硬度			±2HRC										
			Туре									D5		@¥/P			
		50	А				30	10									
		60	^				40	20									
15	11	70		9		- 5.7	50	30	10	5.3	4		M 6				
		75	В				60	40		0.0	-						
		80															
		90					70 56	50 32									
		80 100	Α				76	52 52									
18	22	120		11		6.8	96	72	11	6.4	6	7	M 8				
10	22	140	В	- "			116	92		0.4		'	IVI O				
		160					136	112									
		100			12		68	36									
		120	Α			9	9	9	9	88	56						
24	36	140		15						9	9	108	76	15	8.5	8	9
		160	В				128	96		0.5	0		WITO				
		180					148	116									
		120	Α				80	40									
		140	Α.				100	60									
30	50	160		18		11	120	80	18	10.5	10	11	M12				
		180	В				140	100									
		200			18		160	120									
		140	Α		10		92	44									
		160	- 1				112	64									
36	63	180	_	22		13	132	84 20	20	20 12.5	12	13	M14				
		200	В				152	104									
		220					172	124									



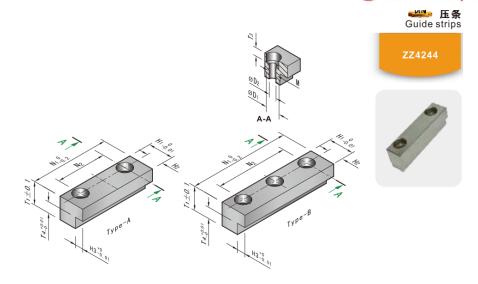
压条 型 Guide strips

ZZ4248





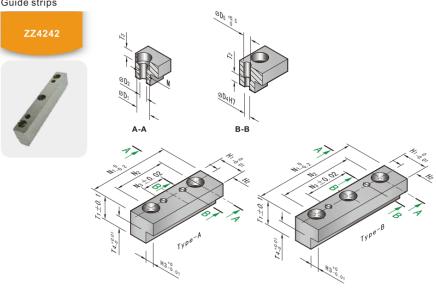
Order	ZZ4248-H1-T1-	N1 M 材点	贡:SKD11	Ⅱ 硬度:58±2HF	RC				
H1				Туре					@¥/P
		50 60	30 40	A					
	11	70	50						
	"	75 80	60						
12		90	70		5.7	10	5.3	M6	
		100	80	В					
		120	100						
		140	120						
		160	140						
	16	180	160						
		100	76	A					
		120	96	^					
18		140	116						
		160	136						
		180	156		6.8	11	6.4	M8	
		140	116		0.0		0.1	1110	
		160	136	В					
24	21	180	156						
		200	176						
		220	196						



△ Order	ZZ4Z44-I	11- I 1-IN1	幽彻灰	SKDTT	₩ 使及:58	±2HRC						
			Туре									@¥/P
		50 60	Α					30 40				
15	21	70 75	В	9	3	5.7	10	50 60	10	5.3	M 6	
		80 90						70				
18	35	80 100 120	Α	11	4	6.8	13	56 76 96	11	6.4	M 8	
10	35	140 160	В		4	0.0	15	116 136	"	0.4	IVI O	
		100 120	А					68 88				
24	51	140 160	В	15		9	51	108 128	15	8.5	M10	
		180 120			6			148 80				
30	65	140 160	Α	18		11	65	100 120	18	10.5	M12	
		180 200	В					140 160				

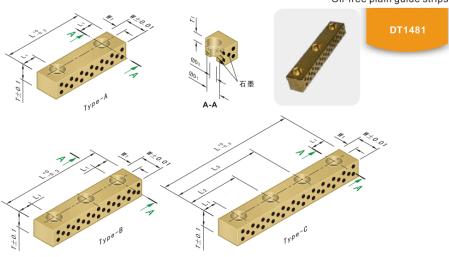


压条 🕮 Guide strips



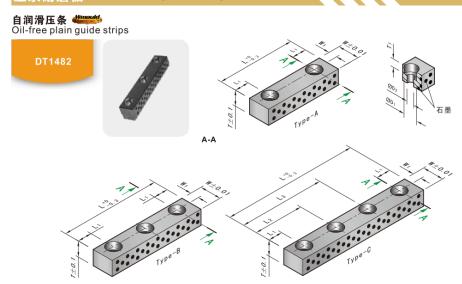
Order	ZZ4	242-H ₁ -	T1-N1	■材	质:SKD	11 🖽 🛭	更度:58±	2HRC								
H1			Туре													@¥/P
		50 60	А						30 40	10 20						
15	16	70		9	3		5.7	5	50	30	10	5.3	4	١.	M 6	
	10	75 80	В	Ů			5.7	3	60	40	10	0.0	,		101 0	
		90							70	50						
		80	Α						56	32						
		100	^					8	76	52						
18	30	120		11	4		6.8		96	72	11	6.4	6	7	M 8	
		140	В						116	92						
		160				12			136	112						
		100	Α			12			68	36						
		120	^						88	56						
24	46	140		15	6		9	10	108	76	15	8.5	8	9	M10	
		160	В						128	96						
		180							148	116						

自润滑压条 Oil-free plain guide strips

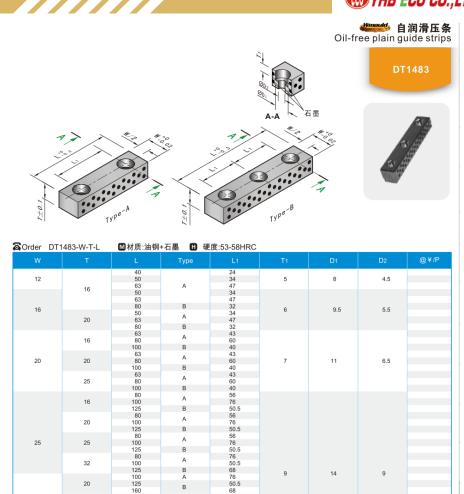


☎ Order □	T1481-W-T	L M	材质:黄铜+石	墨						
						Туре		L2	L3	@ ¥ /P
	10					A B		-	-	40 50- 70
12.5	15 20	8	4.5	5	5	С		30 32.5 35	50 57.5 65	80-100
	10 15					A B	7.5	-	-	40- 60 70-120
15	20 25	9.5	5.5	6	6	С		40 45 53	90 95 97	130-150
	15 20	11	6.5	7		A B		-	-	40- 90 100-150
20	25 30	14			9	С		55 60 70	105 120 130	160-200
	20 25 30		9	9		Α	10			40- 90
25	20 25 30 35	14	9	y	10	В		55 60	105 120	100-150
	35					В		70	130	120-160
30	35	17	11.5	11	11	С	12	60 70	120 130	180-200





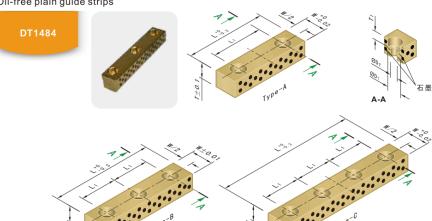
Order	DT1482-W-T	-L 図 ホ	វ质:油钢+石	墨田碩	更度:53-58HF	RC				
w			D2		W1	Туре	L1	L2	L3	@¥/P L
	10 15					A B		-	-	40- 60 70-120
15	20 25	9.5	5.5	6	6	С	7.5	40 45 53	90 95 97	130-150
	15 20	11	6.5	7		A B		-	-	40- 90 100-150
20	25 30	14	9	9	9	С		55 60 70	105 120 130	160-200
	20 25 30					Α	10	-	-	40- 90
25	20	14	9	9	10	В		55	105	100-150
	20 25 30 35					С		60 70	120 130	160-200
00	30	47	44.5			В	40	-	-	120-160
30	35	17	11.5	11	11	С	12	60 70	120 130	180-200



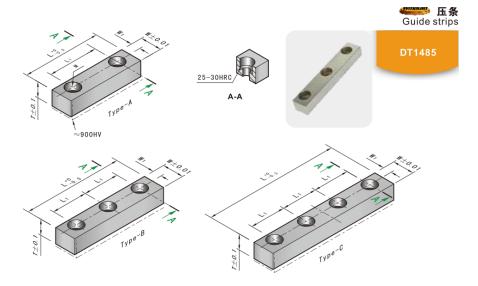
46.5 64 84 46.5



自润滑压条 #mould Oil-free plain guide strips



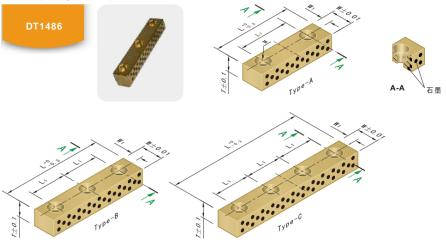
Order	DT1484-W-T-L	М 材质:黄铜	+石墨					
w			Туре					@¥/P
12	16	40 50 63 50	А	24 34 47	5	8	4.5	
16	16	63 80	В	34 47 32	6	9.5	5.5	
10	20	50 63 80	A B	34 47 32 43	· ·	5.5	5.5	
	16	63 80 100	A B	60 40				
20	20	63 80 100	A B	43 60 40	7	11	6.5	
	25	63 80 100	A B	56 76 50.5				
	16	80 100 125	A B	56 76 50.5				
	20	80 100 125	A B	56 76 50.5				
25	25	80 100	A B	56 76				
	32	125 80 100 125	A B	50.5 76 50.5 68				
	20	100 125 160	A B	76 50.5	9	14	9	
32	25	100 125 160	A B	68 76 50.5 68				
	32	100 125 160	A B	68 76 50.5 68				



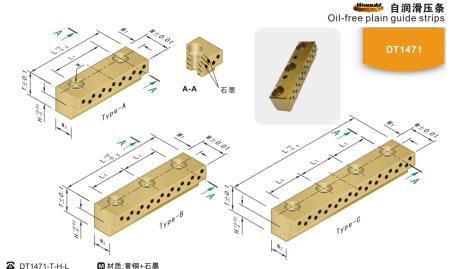
☎ Order	DT1485-W-T-L	☑材质:P20	Ⅱ 硬度:≈900HV				
			Туре				@¥/P
		40		24			
	8	50	A	34			@¥/P
		63 80	В	47 32			
16		50		34	6	M 5	
		63	A	47			
	8	80	_	32			
		100	В	42			
		63	A	43			
	12	80	A	60			
	12	100	В	40			@¥/P
20		125		52.5	9	M 6	
20		80	A	60	J	111 0	
	16	100		40			
		125	В	52.5			
		160		70 76			
		100 125	A	50.5			
	22	160	В	68			
		200	С	58			
25		125		50.5	11	M 8	
		160	В	68			
	30	200		58			
		250	С	74			
		160	В	64			
32	38	200	В	84	14	M10	
32	30	250	С	72	14	IVITO	
		315	C	93			





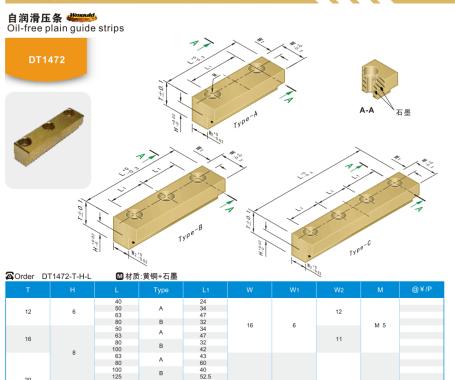


☎ Order DT14	86-W-T-L	█ 材质:黄铜+石	₽.				
W			Туре				@ ¥ /P
40	6	40 50 63 80	A B	24 34 47 32			
16	8	50 63 80	A B	34 47 32 42	6	M 5	
	12	100 63 80 100 125	A B	43 60 40 52.5			
20	16	80 100 125 160	A B	60 40 52.5 70	9	M 6	
25	22	100 125 160 200	A B C	76 50.5 68 58	11	м 8	
25	30	125 160 200 250	B C	50.5 68 58 74	11	МО	
32	38	160 200 250 315	B C	64 84 72 93	14	M10	

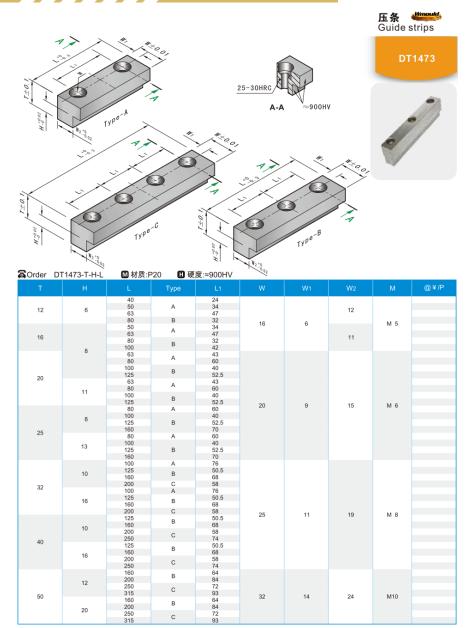


D11471-	I-□-L	₩ 材质:東铜	- 17 空						
			Туре						@¥/P
		40		24					
12	8	50	A	34			12		
12	· ·	63		47			12		
		50 63 80	В	32	16	6		M 5	
		50 63	Α	34	10	· ·		IVI 3	
16		63	^	47			11		
10		80	В	32			- 11		
	8	100	ь	34 47 32 42					
	U	63 80	Α	43 60					
		80	^	60					
		100 125	В	40					
20		125	ь	52.5					
20		63 80	Α	43					
	11	80	^	60					
	- 11	100 125 80 100	В	40					
		125		52.5	20	9	15	M 6	
		80	A	60	20	9	15	IVI O	
		100		40					
	8	125	В	52.5					
0.5		160		70					
25		80	Α	60					
	13	100		40					
	13	125	В	52.5					
		125 160		70					
		100	A	76					
		125		50.5					
	10	160	В	68					
		160 200	С	68 58					
32		100	A	76					
		100 125		50.5					
	16	160	В	68					
		200	С	58					
		125		50.5	25	11	19	M 8	
		160 200 125 160	В	68					
	10	200		58					
		250	С	74					
40		125		50.5					
		160	В	68					
	16	200		68 58 74					
		250	С	74					
		200 250 160 200		64					
		200	В	64 84					
	12	250		72					
		250 315	С	93					
50		160		64	32	14	24	M10	
		160 200	В	64 84					
	20	250		72					
		250 315	С	72 93					
		010		90					

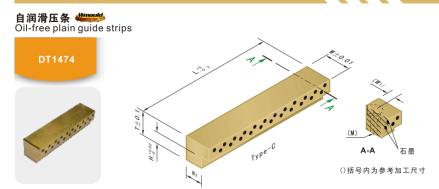




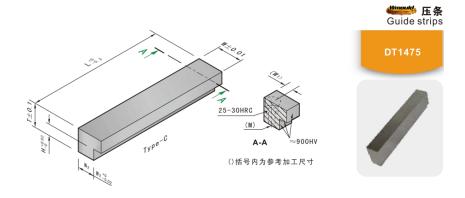
			Туре						@¥/P
12	6	40 50 63 80 50 63	A B	24 34 47 32 34 47	16		12	М 5	
16		50 63 80	A B	34 47 32 42	16	6	11	M 5	
	8	80 100 63 80 100	A B	32 42 43 60 40 52.5					
20	11	100 125 63 80 100 125	A B	52.5 43 60 40 52.5					
	8	80	A B	52.5 60 40 52.5	20	9	15	M 6	
25	13	100 125 160 80 100 125 160	A B	70 60 40 52.5					
	10	160 100 125 160 200	A B	70 76 50.5 68					
32	16	200 100 125 160 200 125	C A B	60 40 52.5 70 60 40 52.5 70 76 50.5 68 58 76 50.5 68 58 50.5 68 58 74 50.5 68					
	10	200 125 160 200 250	C B C	58 50.5 68 58	25	11	19	M 8	
40	16	125 160	В	74 50.5 68 58					
	12	200 250 160 200	В	74 64 84					
50	20	250 315 160 200	В	72 93 64 84 72 93	32	14	24	M10	
20	250 315	С	72 93						







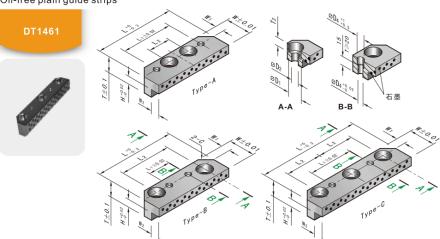
☎ Order DT1	1474-T-H-L	М材质:黄铜+石	₩.				
т							@¥/P
12	6	40 50 63 80	16	6	12	M 5	
16	8	40 50 63 80 50 63 80 100 63 80	10	O	11	W S	
20	Ů	63 80 100 125					
	11	100 125 63 80 100 125 80 100 125 160 80 100	20	9	15	M 6	
25	8	100 125 160 80					
	13	100 125 160 100 125					
32	10	125 160 200 100 125					
	16	125 160 200 125	25	11	19	M 8	
40	10	160 200 125 160 200 250 125 160					
	16	200 250					
50	12	160 200 250 315 160 200 250 315	32	14	24	M10	
	20	200 250 315					



Order DT1	475-T-H-L	材质:P20 G	硬度:≈900HV				
							@¥/P
12	6	40 50 63			12		
16		63 80 50 63 80 100	16	6	11	M 5	
	8	63 80 100 125					
20	11	63 80 100 125	20	9	15	M 6	
25	8	80 100 125 160	20	9	15	М 6	
20	13	80 100 125 160					
32	10	100 125 160 200 100 125					
	16	160 200	25	11	19	M 8	
40	10	125 160 200 250					
	16	125 160 200 250					
50	12	160 200 250 315	32	14	24	M10	
50	20	160 200 250 315					

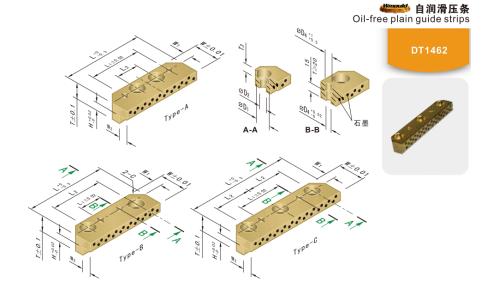


自润滑压条 (Minauda) Oil-free plain guide strips



Order	DT14	61-W-L M	材质:油钢+石墨	₩ 硬度:53-58	HRC			
W			Туре					L2
		60	A				40	20
15		80	В		6	4.5	35	55
		100	ь				55	75
		60	A	8			40	20
20		80	В			5.5	20	50
20		100	ь			0.0	40	70
		120	С		9		60	45
		80	A		9		20	45
25		100	В	10		7.5	40	65
25		120		10		7.5	60	42.5
		140					80	52.5
		120	С				40	40
20	30	140	C	15	44	11 11	60	50
30		160		15	- 11		80	60
		190					100	70

D1	D2	D4	С	Т	Тз	@¥/P
9.5	5.5	_	9	15	6	
11	6.5	6	11	20	7	
14	9	8	13	25	9	
18	11	0	16	30	11	



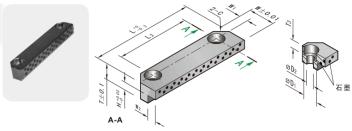
	162-W-L M 材.	质:黄铜+石墨					
W		Туре					L2
	60	A				40	20
15	80	В		6	4.5	35	55
	100					55	75
	60	A	8			40	20
20	80	В			5.5	20	50
20	100					40	70
	120	C		9		60	45
	80	A		ð		20	
25	100	В	10		7.5	40	65
25	120		10		7.5	60	42.5
	140					80	52.5
	120	С				40	40
30	140	C	15	11	44	60	50
	160		15	- 11	11	80	60
	180					100	70

D1	D2	D4	С	Т	Т3	@¥/P
9.5	5.5		9	15	6	
11	6.5	6	11	20	7	
14	9	8	13	25	9	
18	11	o	16	30	11	



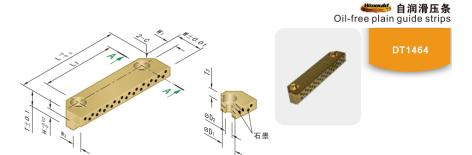
自润滑压条 dimension of the plain guide strips

DT1463



Order	DT1463-W-	L M 材质:油钢+7	5墨 ■ 硬度:53-58	HRC		
						L2
	15	60 80 100		6	4.5	20 55 75
	20	60 80 100 120	8	_	5.5	20 50 70
	25	80 100 120 140	10	9	7.5	45 65 42.5 52.5
	30	120 140 160 180	15	11	11	40 50 60 70

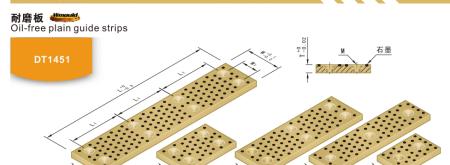
D1	D2	С	Т	Т3	@¥/P
9.5	5.5	9	15	6	
11	6.5	11	20	7	
14	9	13	25	9	
18	11	16	30	11	



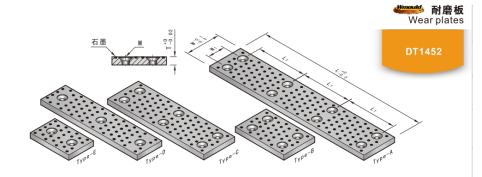
Corder DT1464	-W-L M 材质:黄铜+	-石墨			
					L2
15	60 80 100		6	4.5	20 55 75
20	60 80 100 120	8	9	5.5	20 50 70
25	80 100 120 140	10		7.5	45 65 42.5 52.5
30	120 140 160 180	15	11	11	40 50 60 70

					@¥/P
9.5	5.5	9	15	6	
11	6.5	11	20	7	
14	9	13	25	9	
18	11	16	30	11	



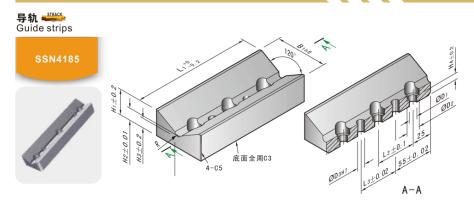


Order DT14	51-W-T-L	█材质:黄铜+石墨					
			Туре				@¥/P
		32 40		16 24			
		40	E	24			
12		50 63	_	34 47			
		63		47			
	_	80	D	32 16 24 34			
	5	32		16		M4	
		40	E	24			
16		80 32 40 50 63 80	_	34			
		63		47 32			
		80	D	32			
		100 40	5	42 20 30 43			
		40		20			
		50 63	E	30			
20		63	_	43			
		80 100	_	60 40			
		100	D	40			
		40 50 63		20 26 39 56 76 50.5			
		50		26			
25		63	E	39			
20		80		56			
		100 125		76			
	6	125	D	50.5		M5	
		50 63		26	26 39		
		63	E	39			
32		80 E 56 100 76 125 D 50.5					
02		100		76			
		125	D	50.5			
		160		68			
		63 80	_	68 39 56 76 50.5			
		80	В	56			
40		100 125		76	20		
		125 160	С	50.5			
		160		68 58			
		200	A	56			
		80 100	В	76			
		125		56 76 50.5 68 58 74 76 50.5			
50		160	С	68	24		
		200		58			
		250	A	7/			
		100	В	76			
		125		50.5			
		160	C	50.5 68 58 72 93 50.5		M6	
63	8	160 200		58	35	1410	
	000	250	A	72			
		250 315	-	93			
		125	_	50.5			
		160	C	68			
80		160 200 250		68 58 72	50		
00		250	Α	72	30		
		245	^	02			

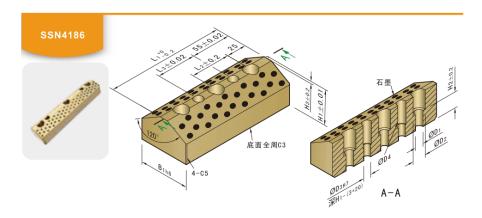


Order	DT1452-W-T-L	М材质:油钢+石墨	₩ 硬度:53-	58HRC			
			Туре				@¥/P
		32		16 24 34 47 32 16 24 34 47 32 42 20			
		32 40 50 63 80 32	_	24			
12		50	E	34			
		63		47			
		80	D	32			
	5	32		16		M4	
		40		24			
		40 50	E	34			
16		63		47			
		80		32			
		100	D	42			
		80 100 40		20			
		40		20			
20		50 63 80	E	42			
20		63		43			
		400	D	30 43 60 40 20 26			
		100 40 50	D	40			
		40		20			
		50	_	26			
25	6	63 80 100	E	39 56 76 50.5			
		80		56			
		100		76			
		125 50 63	D	50.5			
		50		26 39		M5	
		63	E	39			
32		80	_	56 76 50.5			
32		100 125		76			
		125	D	50.5			
		160	D	68			
		160 63 80		68 39 56			
		80	В	56			
40		100 125 160		76 50.5 68	20		
40		125	С	50.5	20		
		160		68			
		200	Α	58			
		80 100		56			
		100	В	76			
		125 160 200 250	С	56 76 50.5	0.4		
50		160	Ü	68	24		
		200		68 58 74			
		250	Α	74			
		100 125	В	76 50.5			
		125		50.5			
		160	С	68	0.5	M6	
63	8	200		58	35		
		160 200 250 315	Α	68 58 72 93			
		315		93			
		125	_	50.5			
		125 160	С	50.5 68			
80		200		58	50		
00		200 250	Α	58 72	30		
		315	^	93			
		313		- 55			

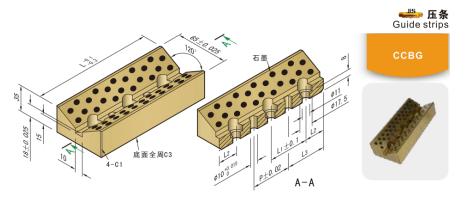




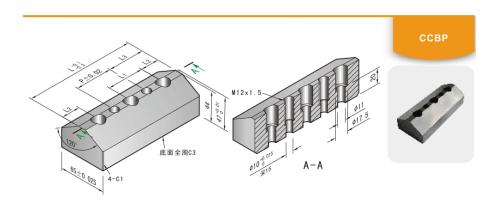
⊠ Order	SSN418	85-B1-H1	-L1	М材	☑ 材质:SKD11 Ⅱ 硬度:58-62HRC								
										L2	L3	孔数	@¥/P
									150	100	45	2	
65	35	18	17	8		13.5	13.5 20	20 12	200	150	95		
00	00	10		U			10.0	20	12	250	100	145	3
					5				300	125	195	ŭ	
					J				150	100	45	2	
125	60	33	32	15		17.5	26	16	200	150	95	-	
125	00	33	32	15		17.5	20	10	250		145	3	
									300	125	195	3	



Order	SSN41	86-B1-H1	-L1 M	材质:黄铜	引+石墨							
B1									L2	L3	孔数	@¥/P
65	47	20	3	13.5	20	12	14	150 200 250	100 150 100	45 95 145	2	
								300	125	195	3	
			_	17.5	26			150 200	100	45 95	2	
125	57	15	5			16	18	250 300	150 125	145 195	3	



☎ Order CCBG-I	┗ 材质:黄	铜+石墨				
Р			L2	L3	孔数	@¥/P
20	100	60	20	40	2	
50	150				3	
100	200	50	25	50	4	
150	250	50	25	50	5	
200	300				6	



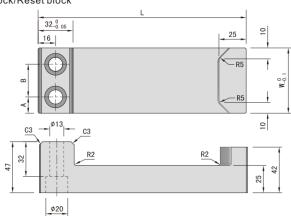
М 材质:S4	15C 🖪 硬度:40-4	5HRC			
		L2		孔数	@¥/P
100	60	20	40	2	
150			50	3	
200	50	OF.		4	
250	50	20	50	5	
300				6	
	L 100 150 200 250	L L1 100 60 150 200 50	100 60 20 150 200 50 25	L L1 L2 L3 100 60 20 40 150 200 50 25 50	L L1 L2 L3 孔数 100 60 20 40 2 150 3 3 200 50 25 50 4 5 5 5 5



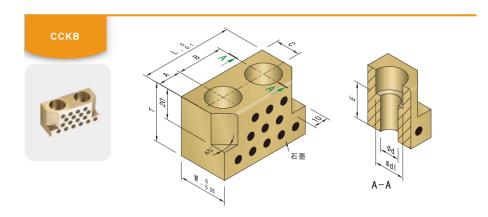


斜楔强制随动/复位块 ← ISIS Inclined wedge active block/Reset block

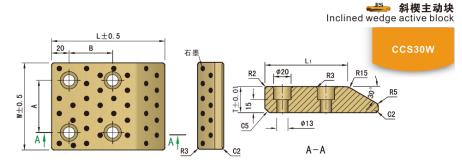




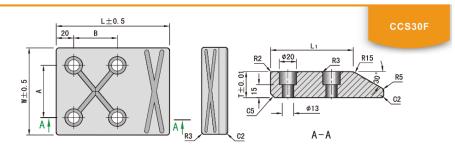
Order CCKF-W-L	M 材质:S45C ■ ● 硬度	₹:40-45HRC		
				@¥/P
60	171 191	15	30	
80	171 191	20	40	



Order Co	CKB-W-L	■材质:黄铜	+石墨						
									@¥/P
25	60	15	30	11	18	30	11	17.5	
32	80	20	40	16	23	38	13	20	



						@¥/P
	130	95	30		50	
75	150	90	45	40	45	
/5	170		60	40		
	200	120			75	
	130	95	30		50	
100	150	90	45	60	45	
100	170		60	00		
	200	120			75	
	130	95	30		50	
125	150	90	45	85	45	
123	170		60	65		
	200	120			75	
	130	95	30		50	
150	150	90	45	110	45	
150	170	90	60	110		
	200	120	60		75	

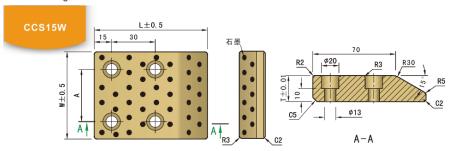


	-W-L M 材质	t:S45C 田 硬度:4	10-45HRC			
w						@¥/P
	130	95	30		50	
75	150	90	45	40	45	
	170 200	120	60		75	
	130	95	30		50	
100	150	90	45	60		
100	170		60		45	
	200	120			75	
	130	95	30		50	
125	150 170	90	45	85	45	
	200	120	60		75	
	130	95	30		50	
150	150	90	45	110	45	
.50	170 200	120	60	.10	75	

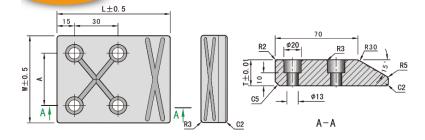


Wear plates

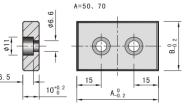


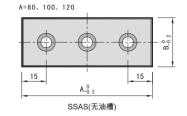


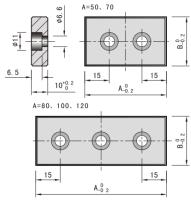
Order	CCS15W-W-L	₩材质:黄铜+石墨			
					@¥/P
		110		25	
	50	130	-	30	
		150		35	
		110		25	
	75	130	40	30	
		150		35	
		110		25	
	100	130	60	30	
		150		35	

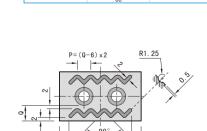


Order	CCS15F-W-L	M材质:S45C H	硬度:40-45HRC		
					@¥/P
		110		25	
	50	130	-	30	
		150		35	
		110		25	
	75	130	40	30	
		150		35	
		110		25	
	100	130	60	30	
		150		35	









☎Order SSAS-A-B M材质:油钢 H硬度:52-56HRC

40

50

A-0 2	-	油槽加工图	
SSASM(带油槽)			
М 材质:油钢 Н 硬度:5	2-56HRC		
			@¥/P
30 40	9.5 14.5	7 17	
30 40	9.5 14.5	7 17	
30	9.5	7	
50	19.5	27	
40	14.5	17	
60	24.5	37	
50	19.5	27	
	M 材质:油钢	M 材质:油钢	SSASM(带油槽)



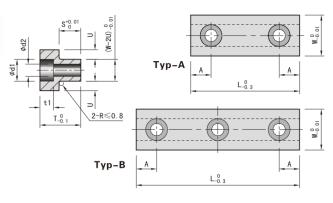
	/	/la.la
For more information please visit the website:	nttps://	ynb.com.vn

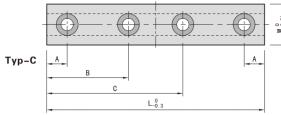






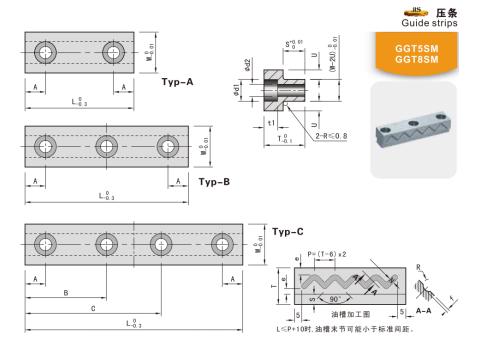






	/-L M 材质:油钢	Ⅲ 硬度:52-56HRC			
Code	S 导槽高度	U 导槽宽度			
GGT5S GGT8S	8 11	3.5 4.5			

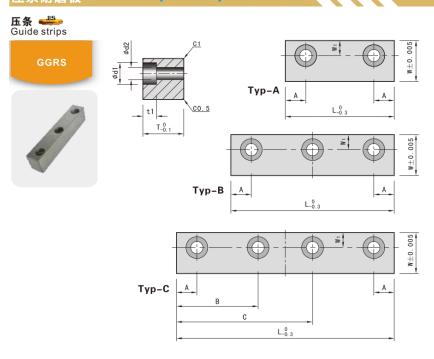
W	т	d1	d2	t1	А	В	С	Тур	@ ¥ /P
								A	40
						-	-	В	50- 70
15	15	8	4.5	5		30	50		
				5.5 6 7.5		32.5	57.5	С	80-100
						35	65		
					7.5	_		A	40
								В	50- 70
18	20	20 9.5	5.5			30	50		
						32.5	57.5	С	80-100
						35	65		
							-	A	40- 60
22	20	11	6.5	7		40		В	70-120
26	25	14	9	9		40 45	90 95	С	130-150
						53	97	C	130-150
						55	91	A	50- 90
						-	-	В	100-150
32	25	17	11.5	11	10	55	105	o	100-100
38	30	"	11.0		10	60	120	С	160-200
						70	130	9	.00-200



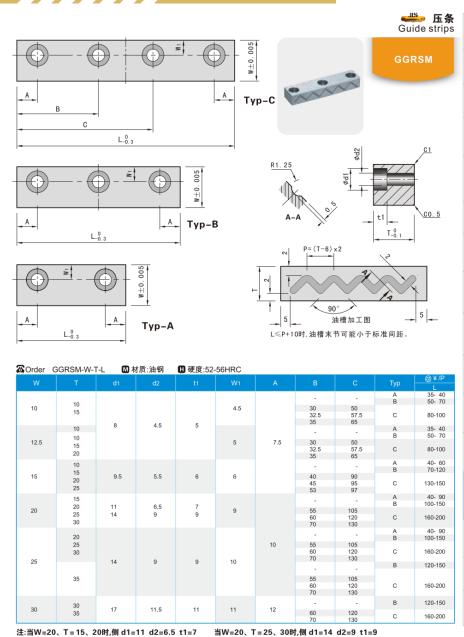
Order	GGT5S	M-W-T-L	₩ 材质	:油钢	₩ 硬度:5	2-56HRC)				
油槽间	拒速查表								Code	S 导槽高度	U 导槽宽度
T-S	9	10	12	15	18	20	22	25	GGT5SM	8	3.5
P	6	8	12	18	24	28	32	38	GGT8SM	11	4.5

W	т	d1	d2	t1	A	В	c	Tyro	@ ¥ /P
								Тур	
						_		A B	40
						-	-	В	50- 70
15	15	8	4.5	5		30	50		
						32.5	57.5	С	80-100
						35	65		
								A	40
						-		В	50- 70
18	20	9.5	5.5	6	6 7.5	30	50		
						32.5	57.5	С	80-100
						35	65		
								Α	40- 60
22	20	11	6.5	7				A B	70-120
			6.5			40	90		
26	25	14	9	9		45	95	С	130-150
						53	97		
								Α	50- 90
20	25					-	-	В	100-150
32	25	17	11.5	11	10	55	105		
38	30					60	120	С	160-200
						70	130	3 100	

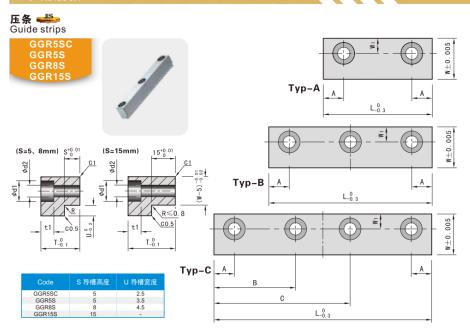




Order	GGRS-W-T-I	L M 材质	t:油钢 (H 硬度:52-56	HRC					
W	т	d1	d2	t1	W1	А	В	С	Тур	@¥/P L
	10						-	-	A B	35- 40 50- 70
10	15				4.5		30 32.5 35	50 57.5 65	С	80-100
	10 10	8	4.5	5				-	A B	35- 40 50- 70
12.5	15 20				5	7.5	30 32.5 35	50 57.5 65	С	80-100
	10 15						-	-	A B	40- 60 70-120
15	20 25	9.5	5.5	6	6		40 45 53	90 95 97	С	130-150
	15 20	11	6.5	7			-	-	A B	40- 90 100-150
20	25 30	14	9	9	9	40	55 60 70	105 120 130	С	160-200
	20					10	-	-	A B	40- 90 100-150
25	25 30	14	9	9	10		55 60 70	105 120 130	С	160-200







Order	GGR5SC-V	V-T-L	М 材质:>	由钢 🖽	硬度:52-56	HRC					
Code										Тур	@¥/P
		12.5(-1)						-	-	A B	35- 40 50- 70
GGR5SC	10	15			_	4.5		30 32.5 35	50 57.5 65	С	80-100
		12.5 15 12.5(·2)	8	4.5	5				-	A B	35- 40 50- 70
	12.5	15 20				5	7.5	30 32.5 35	50 57.5 65	С	80-100
		12.5(·2) 15 20 25						-	-	A B	40- 60 70-120
GGR5S	15		9.5	5.5	6	6		40 45 53	90 95 97	С	130-150
GGR8S	20 25 30							-	-	A B	40- 90 100-150
		11 14	6.5 9	7 9	9	40	55 60 70	105 120 130	С	160-200	
		20					10	-	-	A B	40- 90 110-150
	25	25 30				10		55 60 70	105 120 130	С	160-200
			14	9	9		10	-	-	A B	80- 90 100-160
	20	30		Ü	Ü	9	20	60 70	120 130	С	180-200
		29					10	-	-	A B	60- 90 100-160
GGR15S	25	34				10	20	60 70	120 130	c	170-200
		34					10	-	-	A B	60-100 110-160
	35	39	17	11.5	11	12	20	60 70	120 130	С	170-200

当W=20、T=25、30时,侧 d1=14 d2=9 t1=9

带 "(*1)" 符号的尺寸仅适用于GGR5SC型 带 "(·2)" 符号的尺寸仅适用于GGR5S、GGR5SM型

注:当W=20、T=15、20时,侧 d1=11 d2=6.5 t1=7

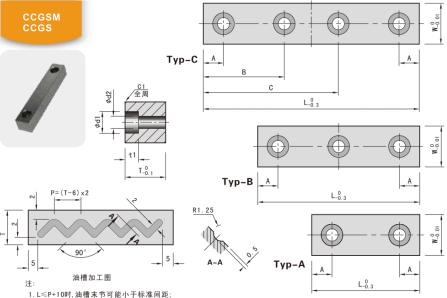
Guide strip **GGR5SM** $M \pm 0$ Typ-C С L_0.3 (S=15mm) Typ-B $P = (T - S - 6) \times 2$ Typ-A ☎Order GGR5SCM-W-T-L M材质:油钢 H硬度:52-56HRC 油槽间距速查表 油槽加工图 14 15 17 19 20 22 24 25 18 22 28 32 38 10 12 L≤P+10时,油槽末节可能小于标准间距。 35- 40 50- 70 GGR5SCM 导槽高度: 5mm 12.5(-1) 30 32.5 50 57.5 80-100 35 65 4.5 12.5 15 12.5(-2) 30 32.5 12.5 15 57.5 80-100 20 35 65 40- 60 12.5(-2) 70-120 GGR5SM 15 5.5 40 导槽高度 20 130-150 25 53 97 40- 90 15(-2) 100-150 20 6.5 20 9 55 105 导槽高度: 25 14 160-200 70 130 40- 90 20 110-150 25 25 10 55 105 120 160-200 30 70 130 60- 90 29 14 100-160 25 10 60 120 GGR15SM 170-200 130 导槽高度 60-100 15mm 110-160 17 11.5 12 170-200

带 "(□2)" 符号的尺寸仅适用于GGR5S、GGR5SM型

当W=20、T=25、30时,侧 d1=14 d2=9 t1=9

带 "(*1)" 符号的尺寸仅适用于GGR5SC型 注:当W=20、T=15、20时,侧 d1=11 d2=6.5 t1=7





2.双面加工油槽					

4	Order	CCGSM-V	V-T-L M 材质:油	钢 ■ 健度:52-56	SHRC
	油槽间距	速查表			
Γ		Т	10	15	20
L	F	>	8	18	28

Code	
CCGSM	带油槽型
CCGS	无油槽型

W	Т	d1	d2	t1	А	В	С	Тур	
							-	A B	40 50 60 70
12	10	8	4.5	5	7.5	30 32.5 35	50 57.5 65	С	80 90 100
15		9.5	5.5	6				A B	40 50 60 70 80 90 100
20	15	11	6.5	7	10	-	-	A B	50 60 70 80 90 100 110

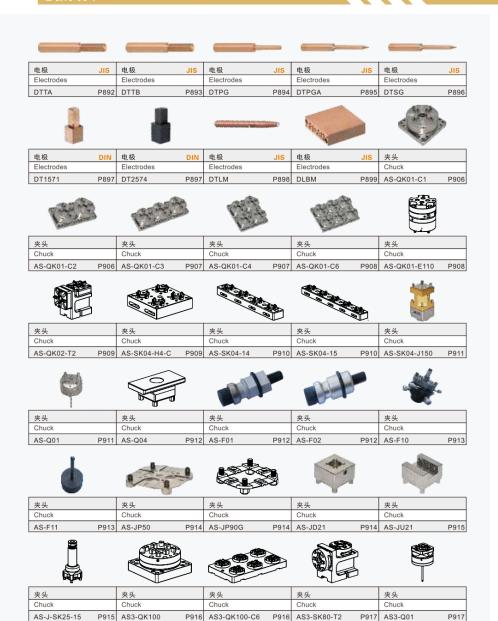
Order	CCGS-W-T-L	М材质	ቲ:油钢 ↔	硬度:52-56H	RC				
w								Тур	L
								A	40
						-		В	50 60 70
12	10	8	4.5	5		30	50		80
					7.5	32.5	57.5	С	90
						35	65		100
15		9.5	5.5	6				A	40 50 60
15	15	9.5	5.5	6				В	70 80 90 100
	15					-	-	A	50 60 70 80 90
20		11	6.5	7	40			В	100 110
	20				10				120 130 140 150

电极 & 夹头系列 Electrodes & Chuck Series















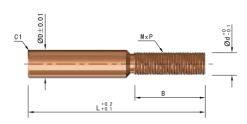




螺纹电极 Undersized tapping electrodes

DTTA





建议:

- · 因电极的前端部位直径(d)比螺纹尺寸(M)小, 故将螺纹电极插入螺纹底孔, 从中心开始沿X、Y方向 进行放射,摇动式电火花加工,请勿进行旋转摇动式电火花加工;
- ·摇动量=M-d-0.1(参考标准);
- ·电火花放电间隙为:单边0.1-0.5mm。

- · The diameter (d) is smaller than the screw size (M). Insert an undersized tapping electrode in the low screw hole, and perform electro discharge machining while rocking electrode in the X and Y directions.
- · Swing amount=M-d-0.1(Target).
- · Clearance for electrical discharge=on one side 0.1-0.5.

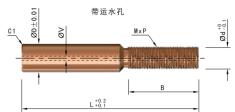
Order DT	TA 🔞 :	材质:红铜	Copper
----------	--------	-------	--------

Code							@¥/P
	5	2.2	0.5 0.7	50	15	3	
		3.9	0.7			5	
		4.7	1	60	20	6	
DTTA	v	6.4	1.25			8	
	10	8.2	1.5	70	30	10	
	12	10	1.75	70	30	12	
	16	13.6	2	80	40	16	
	20	17.1	2.5	80	40	20	





螺纹电极 螺纹电极 Undersized tapping electrodes





建议:

- · 因电极的前端部位直径(d)比螺纹尺寸(M)小, 故将螺纹电极插入螺纹底孔, 从中心开始沿X、Y方向 进行放射,摇动式电火花加工,请勿进行旋转摇动式电火花加工;
- ・摇动量=M-d-0.1(参考标准)
- · 电火花放电间隙为:单边0.1-0.5mm

特点:

1. 带运水孔电极, 具有提高加工速度, 加快加工速度, 减少二次电火花加工等优点。

- The diameter (d) is smaller than the screw size (M). Insert an undersized tapping electrode in the low screw hole, and perform electro discharge machining while rocking electrode in the X and Y directions.
- Swing amount=M-d-0.1(Target).
- · Clearance for electrical discharge=on one side 0.1-0.5.

1. Has a through hole for water circulation, that enables higher processing speed and helps reduce secondary electric discharge.

Order DT	TB MI 市	f质:红铜 Cop	per					
Code								@¥/P
		2.2	0.5	50	15	0.5	3	
	5	3	0.7	30	15	0.7	4	
	0	3.9	0.8	60	20	1	5	
		4.7	1			1.2	6	
DTTA	0	6.4	1.25			2	8	
	12	8.2	1.5	70	20	2.5	10	
	12	10	1.75	70	30		12	
	16	13.6	2	00	40	3	16	
	00	47.4	0.5	80			00	





Electrodes for pin-point gate





*为设定电火花单边间隙为0.15mm时的规格 This electrode is designed for a 0.15mm discharge gap on each side 注:SR的中心点偏离 电极中心0.15(单边) 即:P尺寸较公称尺寸

 $(No)=(2 \times SR) < 0.3mm$

A center point of SR shifts 0.15mm from the center in one side.
So P dimension is 0.3mm less than normal diameter (No)=(2XSR)<0.3mm

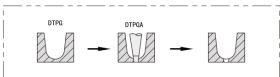
☎Order DTPG-No-L-A M材质:红铜 Copp

					A2		A3		
No.	L50	L70	L90	L50	L70	L90	L50	L70	L90
1.2	1.24	1.59		1.58	2.28		1.92	2.96	
1.5	1.53	1.88	-	1.87	2.57		2.21	3.26	
2	2.03	2.38		2.36	3.06	3.76	2.7	3.74	4.79
2.5	2.53	2.88	3.23	2.85	3.55	4.25	3.18	4.23	5.28
3	3.02	3.37	3.72	3.35	4.04	4.74	3.67	4.72	5.76
3.5	3.52	3.87	4.22	4.16	4.54	5.23	4.16	5.2	
A	4.01	4.26	4.71	4 33	E 0.2	E 72	4.64	E 60	-

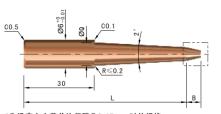
Code	NI-		SR A° @¥/P				
Code	No.		SK	^	L50	L70	L90
	1.2	0.9	0.6	123			
	1.5	1.2	0.75	1 2 3			
	2	1.7	1	2 3			
DTPG	2.5	2.2	1.25	1 2 3			
	3	2.7	1.5	1 2			
	3.5	3.2	1.75	1 2 3			
	4	3.7	2	1 2			

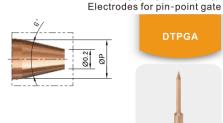
使用范例:

Example:



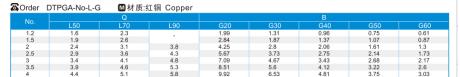
点式浇口套加工用电极





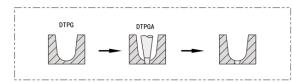
*为设定电火花单边间隙为0.15mm时的规格

即:P尺寸较公称尺寸(No) < 0.3mm This electrode is designed for a 0.15mm discharge gap on each side. P dimension is 0.3mm less than normal diameter (No).



Code	No.		G°	@¥/P		
Code	NO.	F		L50	L70	L90
	1.2	0.9				
	1.5	1.2	20			
	2	1.7	30			
DTPGA	2.5	2.2	40			
	3	2.7	50			
	3.5	3.2	60			
	4	3.7	00			

使用范例: Example:





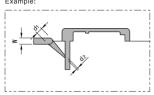
潜伏式浇口用电极 Electrodes for oblique gate

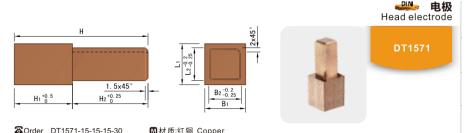
30 L +0.2 L +0.1 B±0.1

Code	1.5 2	10°	15°	20°	30°									
									'			L60	L70	L90
	2			3.7	-		1.5	20						
		10.3	6.8	5.1	3.4		2							
	2.5	13.1	8.7	6.5	4.3		2.5	10 15 20 30						
	3	16	10.6	7.9	5.2				3	20 30				
DTSG	4	21.7	14.4	10.8	7.1	6	4	10 15 20 30						
DISG	4	21.7	14.4	10.6	7.1		4	20						
	5			13.6	9		5	20 30						
	3			15.0	9		J	20						

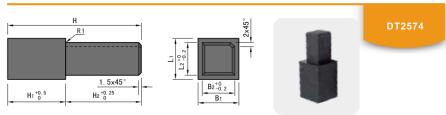
- ·潜伏式浇口通常适用于电极加工斜孔,加工斜孔时,钻头不易定位且易折断,电极加工是最佳选择;
- ·d1尺寸由流道直径(W)决定;
- ·请选择符合d1的P尺寸;
- ·若电极意外跌落或前端被磕碰,可能因前端部完全变形而影响使用,请注意;此时需对电极前端进行修正,再使用。
- Oblique gates require angular hole processing that are often difficult by drilling. Electro discharge is suitable for preparing an angular hole in places where the drill tip would not be well alligued or broken.
- The d1 dimension is dependent on the runner diameter (W).
- · Select the appropriate P dimension in accordance with d1.
- The electrode's tip may be bent if it is dropped or its tip directly touches other objects.
- · If so, make sure to perform dressing before using it for rotating discharge process.

使用范例:





Order D115/1-15	-15-15-30	图 材 质:红亚	Copper				
Code						B2/L2	@¥/P
DT1571-15-15-15-30	62	30		15	15		
DT1571-15-15-15-50	82	50					
DT1571-15-20-20-30	62	30	32	20	20	15	
DT1571-15-20-20-50	82	50					
DT1571-15-25-25-30	62	30		25	25		
DT1571-15-25-25-50	82	50					
DT1571-15-30-30-30	62	30		30	30	10	
DT1571-15-30-30-50	82	50		00	00		
DT1571-15-35-35-30	62	30		35	35		
DT1571-15-35-35-50	82	50					
DT1571-15-40-40-30	62	30		40	40		
DT1571-15-40-40-50	82	50					
DT1571-25-25-25-32	72	32		25	25		
DT1571-25-25-25-62	102	62		20	20		
DT1571-25-30-30-32	72	32		30	30		
DT1571-25-30-30-52	92	52		00	00		
DT1571-25-35-35-32	72	32	40	35	35	25	
DT1571-25-35-35-52	92	52		50			
DT1571-25-40-40-32	72	32		40	40		
DT1571-25-40-40-52	92	52					
DT1571-25-50-50-52	92	52		50	50		

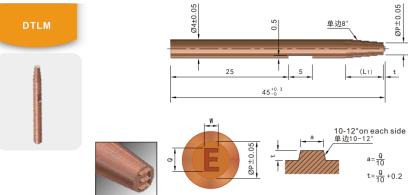


☎Order DT2574-1	5-15-15-30	М材质:石墨	1				
Code						B2/L2	@¥/P
DT2574-15-15-15-30	62	30		15	15		
DT2574-15-15-15-50	82	50					
DT2574-15-20-20-30	62	30		20	20		
DT2574-15-20-20-50	82	50					
DT2574-15-25-25-30	62	30		25	25		
DT2574-15-25-25-50	82	50	32			15	
DT2574-15-30-30-30	62	30	OL.	30	30	10	
DT2574-15-30-30-50	82	50					
DT2574-15-35-35-30	62	30		35	35		
DT2574-15-35-35-50	82	50					
DT2574-15-40-40-30	62	30		40	40		
DT2574-15-40-40-50	82	50					
DT2574-25-25-25-32	72	32		25	25		
DT2574-25-25-25-62	102	62					
DT2574-25-30-30-32	72	32		30	30		
DT2574-25-30-30-52	92	52					
DT2574-25-35-35-32	72	32	40	35	35	25	
DT2574-25-35-35-52	92	52					
DT2574-25-40-40-32	72	32		40	40		
DT2574-25-40-40-52	92	52					
DT2574-25-50-50-52	32	32		50	50		



电极 Head electrode





Order	Characters DTLM-P-刻印文字	M材质:红铜 Copper
	かICD元ウ	0

	刻印文字			Q			W		@¥/P
	(圆黑体)	L1	数字字母	\$	+	数字字母	\$	± /	₩ ∓/F
0.8A	1 2 3 4 5	11.4	0.4	0.36	0.23	0.23	0.185	0.23	
0.8	67890	11.4	0.6	0.53	0.35	0.3	0.27	0.35	
1	ABCDE	10.7	0.7	0.62	0.41	0.4	0.31	0.41	
1.2	FGHIJ	10	1	0.88	0.58	0.6	0.44	0.58	
1.5	K O P Q R S T U V W	8.9	1.2	1.06	0.7	0.7	0.53	0.7	
2	XZ	7.1	1.6	1.42	0.93	1.1	0.71	0.93	
2.5		5.3	2	1.77	1.16	1.4	0.89	1.16	
3	注1 注2	3.6	2.5	2.22	1.46	1.7	1.11	1.46	
4	/ > < + -	-	3.5	3.11	2.04	2.4	1.57	2.04	

文字尺寸 Character size

0.8A(P=0.8)时, 仅文字尺寸变小; 刻印文字和柄部同轴度约为0.1; "/"(斜杠)用 "¥" 指定; "-"(減号)用 "#" 指定。

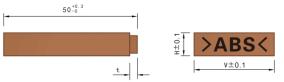
When 0.8A(P=0.8), only character size becomes small.

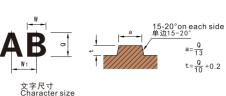
Concentricity between the engraving character and the shank is about 0.1;

Use ¥ for designating / (slash);

Use # for - (minus).









Characters ☎Order DTLB8M-H-刻印文字 ■材质:红铜 Copper

Code 刻印文字			W1	Q				W				
	(園無体)			数字字母				数字字母				
DTLB1M(1个字) DTLB2M(2个字) DTLB3M(3个字)	1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J	4	2.7	3	3	2.7	2.5	2.2	1.8	1.5	2.5	2.2
DTLB4M(4个字) DTLB5M(5个字) DTLB6M(6个字)	K O P Q R S T U V W X Z	6.5	4.5	5	5	4.5	4	3.65	3	2.5	4	3.65
DTLB6M(8个字) DTLB8M(8个字)	注1 注2 / > < + - 口(空格)	10	7.2	8	8	7.3	6.3	5.8	4.8	4	6.3	5.8

	V										
1M	2M	3M	4M	5M	6M	7M	8M	@¥/P			
4	7	10	12	15	18	20	23				
7	11	16	20	25	29	34	38				
10	17	24	31	39	46	53	60				

刻印文字和柄部同轴度约为0.1; "/" (斜杠)用 "¥" 指定; "二" (减号)用 "#" 指定; "二" (空格)用 "%" 指定。 Concentricity between the engraving character and the shank is about 0.1; Use ¥ for designating / (slash); Use ≢ for - (minus); Use % for □ (space)

树脂名称	Туре	刻印文字
ABS树脂	DTLR1J	>ABS<
PP聚丙烯	DTLR2J	>PP<
PS聚苯乙烯	DTLR3J	>PS<
PC聚碳酸酯	DTLR4J	>PC<
-	-	-

н	W1 Q				W							
	** 1	数字字母	- 1	\$	+	数字字母	1	- 5	+	-	@¥/P	
4	2.7	3	3	2.7	2.5	2.2	1.8	1.5	2.5	2.2		
6.5	4.5	5	5	4.5	4	3.65	3	2.5	4	3.65		



性质用途

Physical properties and uses

等静压石墨是近五十年来发展起来的一种新型碳材料,其特点是拥有良好的导电性、导热性、抗折性、耐高温、耐腐蚀、高强度、高体密、自润滑、热膨胀系数小、各向同性度高、可屏蔽核辐射、易于加工等一系列特点、并且可取代铜、铝、钢铁等金属材料,因此与当今高科技领域紧密相联,如:太阳能光伏、电火花加工、半导体、金属连铸、模具行业、精密陶瓷烧结、高温耐腐蚀容器、核工业、航空航天等。

Lsostatic graphite is a new kind of carbon material with half century history in the world. It has a series of features such as excellent conductivity of electricity and heat, high strength at high temperature, high temperature and corrosion resistance, seif-lubrication and high volume density, as well as convenience in processing, which could replace copper, aluminum, steel and others metals. It is also closely related to PV, EDM, semiconductor, non-ferrous casting, mould, ceramic sinter, high-temperature corrosion resistant container, nuclear and aerospace industries.

EDM用途

EDM application

大型精细低损耗石墨

适用范围:压铸模,锻造模,一般大型塑料模具的粗、精加工,如汽车模具,家电模具,鞋模等。

代表型号: ISEM-3/ISEM-7/ISEM-8

代表尺寸: 305*620*1000mm

大型超细低损耗石墨

适用范围:精密注塑模具的粗、精加工,普通骨位电极加工,如家电模具,汽车内饰模具,OA类模具等。

代表型号: ISO-63/TTK-50/ISO-68

代表尺寸: 230*540*1000mm

中型极细超低损耗石墨

适用范围:要求较高的零件加工,超精密模具的加工,如手机,电话模具,网孔模具等。

代表型号: TTK-3/TTK-4/TTK-5

代表尺寸: 210*510*950mm

小型特细超低损耗石墨

适用范围:表面光洁度要求极高及超难加工模具,线切割电极等,如极细电极,镜面电极和硬质合金工件等的加工,IC 封装模具,精密LOGO标识,接插件电极等。

代表型号: TTK-8/TTK-9 代表尺寸: 150*400*700mm





骨位电极

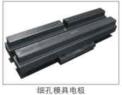
电极

骨位电极





骨位电极



汽车模具电极

汽车模具电极 组

Cz热场 CZ Thermal field

等静压石墨采用冷等静压成型,具有高强度、低消耗、结构致密、理化特性均匀等优良特性。

Isostatic graphite is formed by cold isostatic pressure, with the feature of high strength, low consumption, fine structure, and uniform physical and chemical properties, etc.



7//////



直拉单晶硅热场 (剖面图)

直拉单晶炉热场模型



三瓣坩埚



保温度





坩埚托盘

加热器

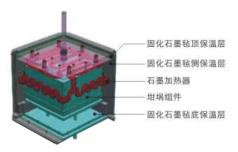
WYHB ECO CO.,LTD

sic 🗆 🗆 🗆 🗆 🗆

SiC Coating isostatic graphite

多晶硅铸锭炉用石墨

Graphite for poly-silicon ingot furnace







多晶硅热场部件



多晶硅热场部件



多晶硅热场部件

PECVD用石墨件

Graphite for PECVD

半导体PECVD制程用石墨舟、C/C框。 Graphite boat and C/C frame used in PECVD



光纤用途

Optical fiber application

- · 光纤预制棒制造及拉丝过程中, 高纯度的石墨部件及保温材料。
- ·光纤预制棒纵延法、CVD法制造用石墨加热器,装夹机构及其他石墨部件。
- · 光纤拉丝制程用石墨加热器、发热体、中心管、马弗管等部件。
- · 光纤拉丝炉用高纯保温毡(包括软碳毡及固化碳毡)
- High purity graphite components and thermal insulation materials in the process of optical fiber perform manufacturing and wiredrawing.
- Graphite heater, clamping mechanism and other graphite components used for producing optical fiber perform by vertical extension and CVD method.
- · Graphite heater , heating unit, center tube, muffle pine, and other components used for optical wiredrawing.
- · High-purity insulation felt(including soft carbon felt and solid carbon felt)used in optical fiber wiredrwing furnace.



产品应用

Product application

随着半导体的高集成化发展,对高纯度石墨制品的需求也在不断地增大。表面涂覆SiC薄膜的等静压石墨,已被广泛应用在半导体电子等领域。

The demand for high purity graphite products continues to be increasing along with the highly integrated development of semiconductor. The isostatic graphite with SiC film surface coating has been widely used in the semiconductor electronics and other fields.

sic 涂层等静压石墨

SiC Coating isostatic graphite

- ・高纯度、高密度
- ・耐热性
- ·耐化学腐蚀
- · 附化字腐蚀 · 废气排出量少
- Heat resistance
 Chemical corrosion resistance
- **り**
- Low exhaust emission

· High purity and high density

- ・粉尘发生量少
- · Low dust occurrence

产品介绍

Product introduction

- ·用于硅片外延设备,表面涂覆SiC涂层的石墨基座(立式、盘式及单片式)。
- \cdot Graphite susceptor with SiC coating surface(vertical,pancake and single chip type)used for silicon epitaxial equipment.
- ·MOCVD制程使用表面涂覆SiC涂层的石墨基座。
- · Graphite susceptor with SiC coating surface for MOCVD.













(M) YHB ECO CO.,LTD

热处理用途

Application of heat treatment

高温热处理炉(真空炉)制造用石墨,包括炉衬、支撑机构、装料机构与加热器、导轨与基座;工业零部件热处理制 程用石墨模具及炭炭复合材料;保温用炭毡、石墨软毡、石墨硬毡、石墨纸;淬火、烧结、焊接、涂层用石墨及C/C复 合材料装料机构; 硬质合金制造用石墨舟皿、坩埚及容器、衬垫、加热器部件与加热棒、管; 硬度合金制造用石墨装料 盘、装料模具、装料机构及部件;箔焊接、真空钎焊用石墨模具与支撑材料及部件;连续浇铸不锈钢、不锈钢板带压延 用石墨辊、模具及胚料; 热压烧结用模具; 金刚石刀具、磨料、磨具制造用石墨模具等。

Graphite used for high-temperature heat treatment furnace (vacuum furnace), including furnace lining, support mechanism, heater, guide rail and base; graphite mould and C/C composite material used for industrial heat treatment components; carbon felt, graphite soft felt, graphite solid felt and graphite papaper used for thermal insulation; graphite and C/C composite loading mechanism for quenching, sintering, welding and coating; graphite boat, crucible and container, gasket, heater components and heating rod/tube for hard alloy manufacturing; graphite mould, support materials and its parts for foil welding and vacuum brazing; graphite roller and mould for continuously casting stainless steel, and for rolling stainless steel stripe and plate; graphite mould for hot-press sintering; graphite mould for diamond cutter, abrasive tool.

冶金和有色金属连铸用途

Application of continuously casting Metallurgy and nonferrous metal

- 有色金属连续铸造及稀贵金属冶炼用石墨模具、石墨结晶器等部件。
- 连铸铝用石墨坩埚与石墨结晶器。
- ・铀焊技术用石墨电触头、石墨模具等部件。
- · Graphite mould, graphite crystallizer and other components used for continuously casting nonferrous.
- · Metal and for melting precious metal
- · Graphite crucible and graphite crystallizer used for continuously casting aluminum.
- · Graphite electrical contact, graphite mould and other components used for uranium welding.



水平连铸大规格铜排、铜管、铜杆用石墨套

水平连铸生产铜用结晶器、石墨套

石墨管模



单多孔异型石墨模具

钢材水平连锁生产线

其他用途产品 Other applications

- · 离子注入石墨电极、衬块、电弧室腔体及屏蔽等配件
- · 等离子蚀刻用石墨电极(栅格)
- · 电子束蒸发(EBE)用石墨坩埚衬套
- 半导体封装制程用模具
- ·用于半导体元器件(电容、电阻、二极管、电感、IC和连接器),及用于集成电路
- ·封装的高等级封装模板、治具
- 用于拉制锗与化合物单晶的高纯石墨元件
- 区熔法熔炼半导体材料的石墨舟皿及其配件
- · 感应加热锗氧化物的石墨舟皿及其他配件
- · Graphite electrode, lining block, electric arc chamber cavity, shield and other accessories for ion injection.
- · Graphite electrode (grid) for plasma etching.
- · Graphite crucible lining for electron beam evaporation(EBE).
- · Mould for semiconductor packaging process.
- · High grade packaging template and fixture used for semiconductor components (capacitance, resistance, diode, inductance, IC and connector) and IC packaging.
- · High purity graphite components used for drawing germanium and its compound monocrystal.
- · Graphite boat and other components used for producing semiconductor materials by zone-melting method.
- · Graphite boat and other components used for producing germanium oxide by induction heating.





封装模具



夹头 Chuck

AS-QK01-C1

Single benchmarks pneumatic chuck

描述: 单一基准可直接安装带微调的安装底板 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 150X100X93 材质: 粉末钢淬火制成 **应用:** 标准气压 6Pa±0.5

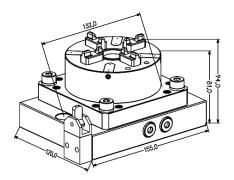
Description: A single benchmarks;

Can be install directly; Base with fine-tuning the installation; 8000N locking force; Automatic jet cleaning; For CNC machining;

Size: 150X100X93

Material: Powder made of steel quenching; Standard pressure 6Pa ± 0.5 Apply:





AS-QK01-C2

Two benchmarks pneumatic chuck

描述: 二个基准中心带微调的安装底板中心间距130MM 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 260X160X93 粉末钢淬火制成 **应用:** 标准气压 6Pa±0.5

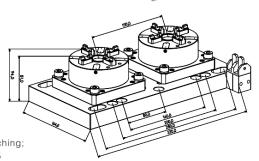
Description: Two benchmarks center;

Base with fine-tuning the installation 130mm: Center spacing 8000N locking force; Automatic jet cleaning;

Size: 260X160X93

Powder made of steel quenching; Material: Standard pressure 6Pa ± 0.5 Apply:

For CNC machining;



Three benchmarks pneumatic chuck 100

AS-QK01-C3

描述: 三个基准中心带微调的安装底板中心间距130MM 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 380X160X93 材质: 粉末钢淬火制成 **应用:** 标准气压 6Pa±0.5

Description: Tetrad benchmarks center;

Base with fine-tuning the installation 130 mm; Center spacing

8000N locking force; Automatic jet cleaning; For CNC machining;

Size: 380X160X93

Powder made of steel quenching; Material: Apply: Standard pressure 6Pa ± 0.5

4基准气动卡盘 Tetrad benchmarks pneumatic chuck AS-QK01-C4

描述: 四个基准中心带微调的安装底板中心间距130MM 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 290X250X93 材质: 粉末钢淬火制成 **应用:** 标准气压 6Pa±0.5

Description: Tetrad benchmarks center;

Base with fine-tuning

The installation:

Center spacing 130mm; 8000N locking force; Automatic jet cleaning; For CNC machining;

Size : 290X250X93

Powder made of steel quenching; Material: Apply: Standard pressure 6Pa ± 0.5





夹头 Chuck

AS-QK01-C6

6基准气动卡盘

Six benchmarks pneumatic chuck

描述: 六个基准中心带微调的安装底板中心间距130MM 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 380X290X93材质: 粉末钢淬火制成应用: 标准气压 6Pa±0.5

Description: Six benchmarks center;

the installation130mm; Center spacing 8000N locking force; Automatic jet cleaning; For CNC machining;

Base with fine-tuning

Size: 380X290X93

Material: Powder made of steel quenching;
Apply: Standard pressure 6Pa ± 0.5

AS-QK01-E110

EDM气动卡盘 EDM pneumatic chuck

描述: 带绝缘微调底板EDM使用

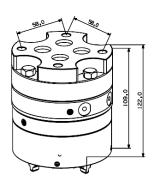
规格: Φ102X110材质: 粉末钢淬火制成应用: 标准气压 6Pa±0.5

Description: Base with insulating

fine-tuning; EDM using;

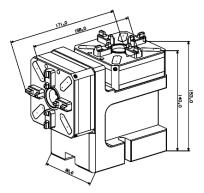
Size: Φ102X110

Material: Powder made of steel quenching;
Apply: Standard pressure 6Pa ± 0.5





AS-QK02-T2



7///////

描述: 正向及侧向各安装一个卡盘固定的基准

用干多面体的加丁

规格: 190X90X150材质: 粉末钢淬火制成应用: 标准气压 6Pa±0.5

Description: Forward and lateral to the

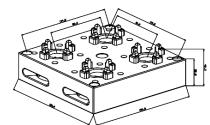
Installation of a chuck; Fixed benchmarks;

For processing of polyhedron;

Size: 190X90X150

Material: Powder made of steel quenching;
Apply: Standard pressure 6Pa ± 0.5

附底板4合1卡盘 With backplane4in1chuck AS-SK04-H4-C



描述: 单卡柱平行排列四基准中心间距80mm附安装底板

规格: 200X150X85 **材质:** 粉末钢淬火制成

Description: Single fastener;

Parallel arrange tetrad benchmarks;

Center spacing 80mm; Installation the backplane;

Size: 200X150X85

Material: Powder made of steel quenching;



夹头 Chuck

AS-SK04-14

条形4合1小卡盘 Bar 4 in 1small chuck

描述: 单卡柱

直线排列四基准 中心间距100mm

规格: 400X60X49 材质: 粉末钢淬火制成

Description: Single fastener;

Linear arrange of four benchmarks

center spacing 100mm;

Size: 400X60X49

Material: Powder made of steel quenching;

AS-SK04-15

条形5合1小卡盘 Bar 5 in 1Small Chuck

描述: 单卡柱

直线排列五基准

中心间距100mm

规格: 500X60X49 材质: 粉末钢淬火制成

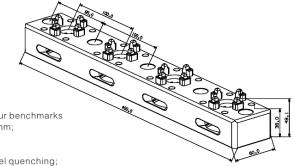
Description: Single fastener;

linear arrange of five benchmarks

center spacing 100mm;

Size: 500X60X49

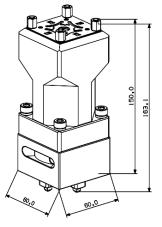
Material: Powder made of steel quenching;





加长型快速卡盘 Elongated quick chuck





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描述: 单卡柱

快速锁紧

垂直加长100mm 保持中心不变

规格: 60X60X113

材质: 粉末钢淬火制成

Description: Single fastener;

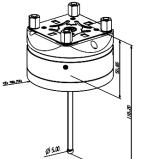
Quick locking;

Vertical extended 100mm; Keep center invariant;

60X60X113 Size:

Material: Powder made of steel quenching:

分中器 In min utensil AS-Q01



描述: 用于EDM抓取中心

Φ5钢珠

规格: Φ70X125

材质: 粉末钢淬火制成

Description: For EDM crawl center;

 Φ 5 ball;

Size: Φ70X125

Material: Powder made of steel quenching;



AS-F10

夹头 Chuck

夹头 Chuck

AS-Q04

长校正块 Calibration block long

描述: 安装时作较正基准 平时亦用作检测卡盘用

规格: 100X50X40 **材质:** 粉末钢淬火制成

Description: When installation more

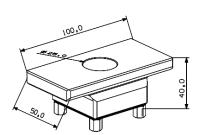
benchmarks; Usually also used as

gauging chuck;

Size: 100X50X40

Material: Powder made of steel

quenching;



AS-F01

机械手拉杆 Manipulator lever

材质: SUS 420 **规格:** Φ20X45

应用: 用于夹具与卡盘之间的联接

适用于机械手

Material: SUS 420 Size: Φ20X45

Apply: For fixture between chuck and join;

Apply manipulator;



AS-F02

手动拉杆 Manual drawbars

材质: SUS 420 **规格:** Φ20X45

应用: 用于夹具与卡盘之间的联接

不适合机械手

Material: SUS 420 Size: Φ20X45

Apply: For fixture between chuck and join;

Does not apply to manipulator;



千秋架 Support arm

rm

材质: 不锈钢 **规格:** 118X118X120 **应用:** 传统使用方式

用于修改模的无夹具电极

Material: Stainless steel;
Size: 118X118X120
Apply: Traditional met

Traditional methods use of; Used to modify the model without clamp electrode;

AS-F11

EDM碰中棒 Touch stick

材质: 不锈钢 **规格:** Φ118X30

应用: 适用于电火花成型机

直接安装千秋架上

Material: Stainless steel; Size: Φ118X30

Apply: Apply to EDM machine;

Installed directly on the support arm;





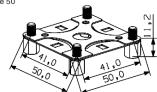
夹头 Chuck

AS-JP50

50定位片 Centering plate 50

材质: 不锈钢 **规格**: 50X50X11.2

Material: Stainless steel; Size: 50X50X11.2





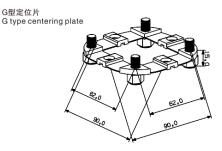
AS-JP90G

材质: 不锈钢

规格: 90×90×11.2

Material: Stainless steel;

Size: $90 \times 90 \times 11.2$



AS-JD21

材质:铜□黄铜

钢□S136H,HRC35±2 铝□6系铝阳极处理

规格: 51X51X40; 21X21X12

应用:电极加工,亦可用在小 件的钢件加工

Material: copper brass

steel□S136H,HRC35±2 aluminium□6tie aluminium

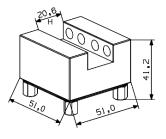
anode treatment

Size: 51X51X40; 21X21X12

Apply: Electrode machining;

Too available stay smallest smallest machining;





Chuc

AS-JU21

材质:铜□黄铜

钢□S136H,HRC35±2 铝□6系铝阳极处理

规格: 51X51X40; 51X21X12 H:16, 20.6, 26

应用: 电极加工, 亦可用在小 件的钢件加工

Material: copper □ brass

 $steel \square S136H, HRC35 \pm 2$ aluminium $\square 6$ tie aluminium

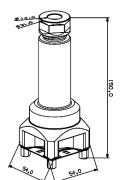
anode treatment

Size: 51X51X40; 51X21X12

Apply: Electrode machining;

Too available stay smallest smallest machining;

SKS20夹筒--长 SKS20 clamping cylinders-longer AS-J-SK25-15



材质: 粉末钢淬火制成 **规格**: 54X54X100 **应用**: 用于各种形状水口

> 圆形电极加工 配4.6.8.10.12索咀

Material: Powder made of steel quenching;

Size: 54X54X100

Apply: For a variety of shapes nozzle;

Circular electrode process;

Distribution cable 4.6.8.10.12tsui;



AS3-QK100

100气动卡盘 Pneumatic chuck 100

描述: 带微调的安装底板M8紧固螺丝

8000N锁紧力自动清洁功能一般用于CNC加工

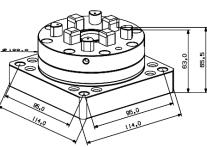
规格: 114X114X66 材质: 粉末钢淬火制成 **应用:** 标准气压 6Pa±0.5

Description: Base with fine-tuning the installation;

Fixture screws M8: 8000N locking; Automatic jet function; For CNC machining;

Size: 114X114X66

Material: Powder made of steel quenching; Apply: Standard pressure 6Pa ± 0.5



AS3-QK100-C6

Six benchmarks pneumatic chuck

描述: 六个基准中心带微调的安装底板中心间距130MM 8000N锁紧力自动清洁功能一般用于CNC加工

规格: 460X264X72 材质: 粉末钢淬火制成 **应用**: 标准气压 6Pa ± 0.5

Description: Six benchmarks center;

Base with fine-tuning the installation;

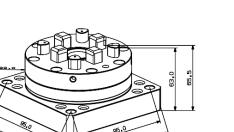
Center spacing 130mm;

8000N locking;

Automatic jet cleaning; For CNC machining;

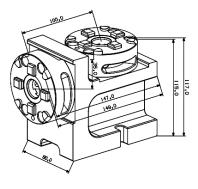
Size: 460X264X72

Powder made of steel quenching; Material: Standard pressure 6Pa ± 0.5 Apply:



快速卡盘立体座 Quick Chuck Stereo AS3-SK80-T2

AS3-Q01



7///////

描述: 双件侧向立式安装 一般用于立体电极的加工

规格: 149X80X117 材质: 粉末钢淬火制成

Description: two lateral vertical installation;

generally used for processing of three-dimensional electrode;

Size: 149X80X117

Powder made of steel quenching; Material:

描述: 用于EDM抓取中心 φ5钢珠

分中器

In Min utensil

规格: 54X54X120 材质: 粉末钢淬火制成

Description: For EDM crawl center;

φ5 ball;

Size: 54X54X120

Material: Powder made of steel quenching;



AS3-JP54

夹头 Chuck

夹头 Chuck

AS3-Q04

长校正块 Calibration block long

描述: 安装时作较正基准 平时亦用作检测卡盘用

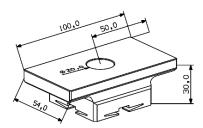
规格: 100X54X30 材质: 粉末钢淬火制成

Description: When installation more

benchmarks: Usually also used as gauging chuck;

Size: 100X54X30

Powder made of steel quenching; Material:



AS3-F-LG1

机械手拉杆 Manipulator drawbars

规格: Φ20X45

应用: 用于夹具与卡盘之间的联接

适用于机械手

Material: SUS 420 Size: Φ20X45

For fixture between chuck and join; Apply:

apply manipulator;



AS3-F-LG2

手动拉杆 Manual drawbars

应用: 用于夹具与卡盘之间的联接

材料: 不适用于机械手

Material: SUS 420 Φ20X45 Size:

For fixture between chuck and join;

Does not apply to manipulator;

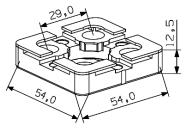


54定位片 Position films54

材料: 不锈钢 **规格:** 54X54X112.5

Material: Stainless steel:

Size: 54X54X112.5



7///////



AS3-JD21

材质:铜□黄铜

钢□S136H,HRC35±2 铝□6系铝阳极处理

规格: 54X54X43; 21X21X12 应用: 电极加工, 亦可用在小

件的钢件加工

Material: copper □ brass

steel S136H, HRC35 ± 2 aluminium 6tie aluminium

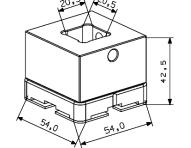
anode treatment

Size: 54X54X43; 21X21X12

Apply: Electrode machining;

Too available stay smallest

Smallest machining;





夹头 Chuck

AS-JU31

材质:铜□黄铜

钢□S136H,HRC35±2 铝□6系铝阳极处理 规格: 54X54X43; 54X31X12

应用: 电极加工, 亦可用在小 件的钢件加工

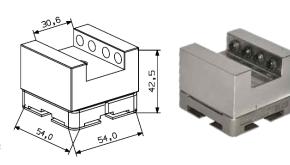
Material: copper □ brass

steel S136H, HRC35 ± 2 aluminium ☐6tie aluminium

anode treatment

54X54X43; 54X31X12 Apply: Electrode machining; Too available stay smallest

Smallest machining;



AS-U-MK

4合1基座组合 Four in one combination of base

材料: 粉末钢淬火制成

规格: 320X300X65 连接:底部,侧面

应用:用于强力切削加工的卡盘 铣削,磨削,钻削,及生产线

Material: Powder made of steel quenching;

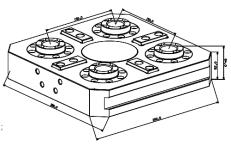
320X300X65 Size:

Connections: Through the base and on the side;

Chuck high machining forces Apply:

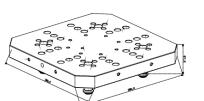
during chip removal;

On milling, grinding and drilling Centers and in production lines.;



夹头 Chuck

铝制托板 Pallet aluminium AS-U-TL



7///////

材料: 6系铝阳极处理

规格: 320X320X40 应用: 夹持工件及量具

孔距50MM的铝托板,装有定位元件和夹紧拉钉

请注意: AS-U-LT型托板不适用于电火花机床

Material: 6 series aluminum anodized alminum

brushed chrome:

320X320X40 Size:

Apply: Basis for gauges and workpieces;

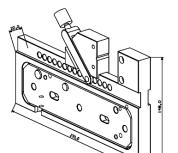
Aluminum with 50mm pattern boreholes,

Centering segments and chucking spigots fitted;

Please note: The AS-U-LT version is not suited for use in EDM

Three to Vise fine-tuning

AS-W10



描述:单独使用

三向微调虎钳

用干快速找正工件

规格: 60X60X150 材质: 粉末钢淬火制成

Description: Used alone;

For fast workpieces;

Size: 60X60X150

Material: Powder made of steel quenching;

产品专利 PATENT CERTIFICATE



专利号: ZL 2011 2 0126423.X 型号: EER P396

产品特点:

- 精确计算行程,可通过截取直身司及复位杆长度来调整复位行程;
- 参考开框尺寸图加工安装孔,注意所有安装孔均同心并且垂直于分型面
- 每套模具要求至少使用2套或2套以上推板复位机构,并且对称安装;● 如未对称安装,可能导致单套复位机构受力,因受力不平衡将导致组件断裂
- 定期对组件配合部位添加润滑油;
- 确保复位推杆准确装入直身司的前端部分,请注意如错位将导致模具损坏;
- 进行配合功能测试,查看复位机构各部位是否顺畅,行程是否吻合。

专利号: ZL 2011 2 0143792.X

型号: ZZ171 P170



产品特点:

- 机械互锁设计,安全可靠;
- 插杆、拉杆尾部采用高频退火处理,方便二次加工安装孔。

小零件系列 Mold accessories Series









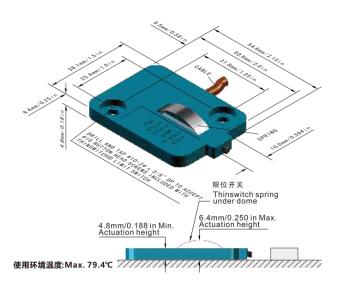




行程开关 🕮 Limit switch







产品包装清单:

- 1.限位开关: 1Pcs; 扳手: 1Pcs(调节高度); 安装螺丝: 4Pcs(#10-24×1/2"); 电缆固定夹: 2Pcs;
- 2. 说明书: 1Pcs。

Thinswitch limit switch includes:

- 1.Thinswitch limit switch:1Pcs 4-40Allen wrench:1Pcs(for height adjustment)
- Screws:4Pcs(#10-24×1/2"button head) Uvire clamps:2Pcs (0.5"×0.82"×0.5" with 0.213" mounting
- 2.Instruction sheet cable: 1Pcs.

☎Order TSW2220

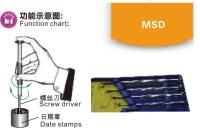
	Rated current VS. steel temperature											
	TSW	/2220		HT291								
Amps	°F	°C	@ ¥ /P	Amps	°F	°C	@ ¥ /P					
5	85	29.4		5	100	37.7						
4	120	49		4.5	155	68.3						
3	155	68.3		4	210	98.8						
2	475	70.4		2.5	250	404.4						

螺丝刀/安全扣 screw driver/Tool safety devices



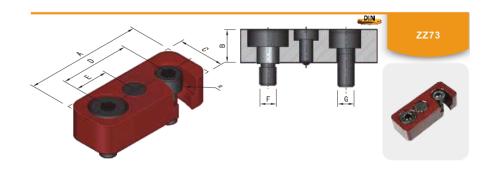
产品使用说明:

- 1.MSD为日期章专用螺丝刀组,分别有:Ø1.4、Ø1.8、Ø2.4、 Ø3四种规格,共四把,适用于不同规格日期章;
- 2.使用时如右图所示,用食指按住螺丝刀头部, 其余手指夹住螺丝刀杆部,用力旋转即可调整 日期章箭头指向。
- 1.MSD is combination with screwdriver, which is for 1.4, 1.8,2.4,3 ,can be special use for different date
- 2.As right picture, press on the head of screwdriver with forefinger, Clamp screwdriver rod with other fingers to rotate and adjust the arrow.



MSD MSD

Code		适用日期章规格	数量(Pcs)	@¥/P
	1.4 1.8	Ø3 Ø4-Ø5	1 1	
MSD	2.4 3.0	Ø6 Ø8-Ø16	1 1	



- 1.在模具保管或移动中使用;
- 2.带肩螺丝与波仔螺丝的设计,使该安全扣使用时更灵活方便;
- 3.模具运作时,勿忘记打开安全扣,以保证模板和螺栓不受损伤,否则会拉断前端钩状部分。
- 1. This ZZ73 is used for mold keeping or moving.
- 2. Its application is flexible and easy by the Shoulder screws and Spring plunger.
- 3. If forget to open the ZZ73 tool safety device when mold moving, the front hook or the screw can break first, to protect the Mold base and the bolts.

☎Order ZZ73×12

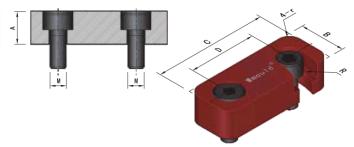
Code	А	В	С	D	Е	R	F	G	@¥/P
ZZ73×12	50	12	20	30	14	30	M 6	M 6	
ZZ73×16	63	16	25	38	17	38	M 8	M 8	
ZZ73×20	80	20	32	48	20	48	M10	M10	



安全扣 Tool safety devices

ZZ73A

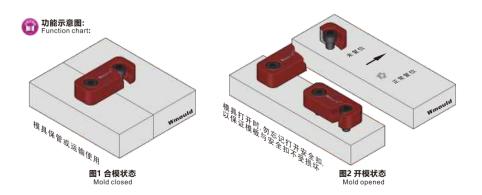


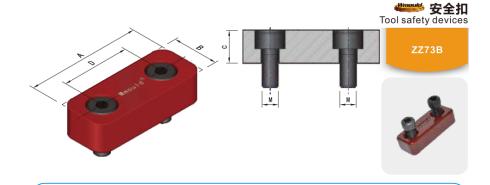


- 1.精密合金铸造,简单经济,坚固耐用;
- 2.带肩螺丝与前端钩状开放式的设计,使该安全扣使用时更灵活方便;
- 3.模具运作时,勿忘记打开安全扣;以保证模板和螺栓不受损坏,否则会拉断前端的钩状部位。
- 1. Precision alloy casting, economie and durable.
- 2. Its application is flexible and easy by the Shoulder screws and Spring plunger.
- To protect the mold base and the bolts, do not forget to open the ZZ73A tool safety devices when mold moving. Otherwise, the front hook or the screws would break first.

☎Order ZZ73A×12

Code								@¥/P
ZZ73A×12	12	20	50	30	30		M 6	
ZZ73A×16	16	25	63	38	38	5	M 8	
ZZ73A×20	20	32	80	48	48		M10	

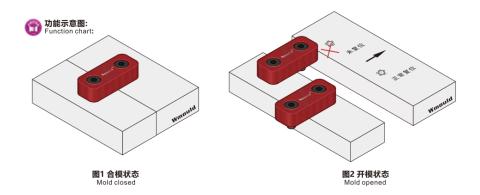




- 1.精密合金铸造,简单经济,坚固耐用;
- 2.模具运作时,勿忘记打开安全扣,以保证模板和螺栓不受损坏。
- 1. Precision alloy casting, economie and durable.
- 2. To protect, the mold, base and bolt, do not forget to open the ZZ73A tool safety devices when mold moving. Otherwise, the front hook or the screws would break first.

☎Order ZZ73B×12

Code						@¥/P
ZZ73B×12	50	20	12	30	M 6-16	
ZZ73B×16	63	25	16	38	M 6-20	
ZZ73B×20	80	32	20	48	M10-25	

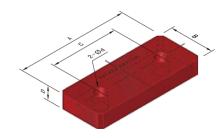






OOPS

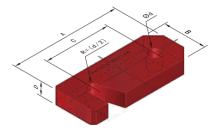




Code			Ød			@¥/P
OOPS	12	25	6.5	40 50 60 70 80	20 25 30 40 50	
UUPS	16	38	0.5	00 100 110 120 120	60 70 90 00 100	

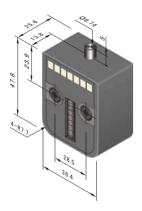
DDPS





☎Order DDPS-D-A-C

Code			Ød			@¥/P
DDPS	12	25	8.5	65 75 85 95 105 115	40 50 60 70 80	
DDPS	40	20	12.5	125 135	90 100	
	16	38	21	145 155 165	110 120 130	

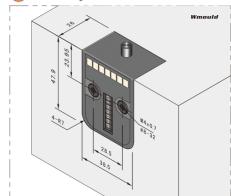






- 1. 在模板上有足够的安装位置的情况下使用(即开框后不能与模具内部结构干涉);
- 2. 因温度较高时, 计数器安装在模具外部, 与模具接触加一块隔热板使用;
- 3 工作温度120°以下。
- 1. The counters are installed in the plates in the case of having enough installation location.
- 2.If the temperature is too high, use the mold counter with insulating plate and install outside the mold. (it can not influence mold inner structure after blocking).
- 3.Max.working temperature 120 .





	M	
Code	配用螺丝(2个)	@¥/P
CPL(Inch)	#8-32×1	
CPM(Metric)	M4×0.7×25	

120°以下使用



СРН



Code	内六角螺丝	@¥/P
CPH-01	M4×25(2pcs)	
CPH-02	M4×25(4pcs)	
		最高温度180°

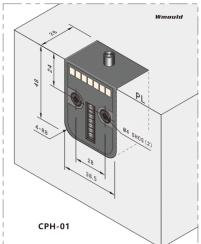
Wmould耐高温模具计数器,精确检测模具使用寿命,有两种规格供选择,安装方便。

- · 材质: 尼龙含玻璃纤维
- ・最高耐温: 180°C
- ·7位数(百万次计数),机械式,不可归零

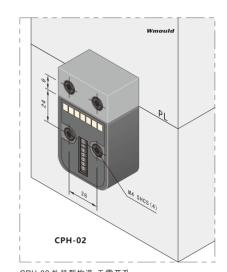
Wmould Mold counter positively monitor mold usage by tracking activity for the life of the tool. Two mounting styles are available for easy installation of the mold counter.

- · Material: Glass-filled Nylon housing
- · Maximum operating temperature is 180°C
- · Counter:Non-resettable mechanical,7-digit

安装示意图: Installation Diagram:



CPH-01 嵌入式构造:简单科学的操作。 Parting line mount makes unit easily visible to operator. 材质.尼龙含玻璃纤维 配件:內六角螺丝(M4×25)两枚 Material:Glass-filled Nylon housing Accessories:2pcs M4×25 Hex head



CPH-02 外装型构造: 无需开孔。
No pocket machining necessary.
挡板材质: 铁染黑 配件: 內六角螺丝 (M4×25) 四枚 Material of mount: Dyed black iron Accessories: 4pcs M4×25 Hex head

could be pre-machined accordingly)

7///////

● 圆形计数器 Round mold counter



Code CVR

120°以下使用

加长式开框图A

(Eiongated Actuator rod block diagram A)

安装提示(Installation Diagram):

- 1.在B板较厚的情况使用,需用加长顶杆;
- 2.在B板底面开框,利用所开框架的圆弧面和模具 垫板将计数器固定;

This Elongated Actuator rod is used when the B plate is thicker Machine the model under the B plate bottomwhich fit for the counter to install in to the mold, using the arc surface and the adaptive plate to fix the counter

常规安装开框图(A+B)

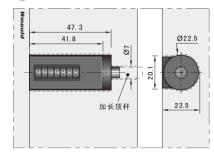
Normal block diagram(A+B)

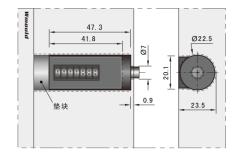
安装提示(Installation Diagram):

- 1.在B板不是太厚的情况使用, 无需使用加长顶杆;
- 2. 计数器固定方法同上, 若开框深度大于47.5mm可用硬物填充, 使计数器触碰头有足够长度突出于分别而

No need the Elongated Actuator rod when B plate is standard Way of fixing the counter is the same as diagram A If the thickness is more than 47.5mm,can fill with hard object,So that the actuator is longer enough to exceed the parting line.

公 安装示意图: Installation Diagram:









等高螺丝/挡圈 🚢 Shoulder bolt screws/Back-up ring





Order	DLKB-D-I		材质:SC	M435 H	硬度:33-3	8HRC						
Code				De9		sw				M×P	拉板 A尺寸	@¥/P
	10	13	10	-0.025/-0.061	16	6	4	8	12	M 8×1.25	19	
DLKB	13	13	13	-0.032	18	8	5	10	16	M10×1.5	25	
DLND	16	20	16	-0.075	24	10	7	14	18	M12×1.75	32	
	20	20	20	-0.04 /-0.092	27	14	9	18	24	M16×2	38	



Order DLK	(R-D-L ™	材质:S45C	₩ 硬度:38-43HF	RC			
Code					拉板 A尺寸	M 6-25 M 6-35 M 8-30 M 8-35 M10-30 M10-40	
	10	16 24	L D1 H 拉板 螺栓 @¥/P 66 6.5 13 19 M 6-25 24 9 16 25 M 8-30 24 9 16 25 M 8-35 25 M 8-36 26 11 19 32 M10-40 27 M12-35				
DLKR	13	16 24	9	16	25		
DLKK	16	16 24	11	19	32		
	D L D1 H 10 16 24 6.5 1 13 16 9 1 16 24 11 1	23	38				

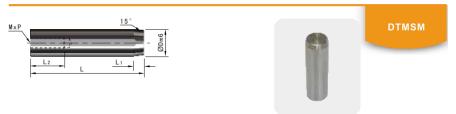


🛱 Order DL	.KT-D-L	■材质:S45C	₩ 硬度:3	88-43HRC				
Code	D·W				拉板 A尺寸		螺栓	@¥/P
	10	11	6.5	13	19	3	M 6-30	
		18			19	4	M 6-40	
	13	11	9	16	25	3	M 8-35	
DLKT		18				4	M 8-40	
DLKI	16	11	11	19	32	3	M10-35	
	10	18	- 11	19	32	4	M10-45	
	20	11	13	23	38	3	M12-40	
	20	18	13	23	38	4	M12-50	





Order	DTMS-D-L	М材质:	SUJ2 🖽 🛚	更度:58-62H	RC					
Code	D	L1	@¥/P							
Code			L6	L8	L10	L15	L20	L25	L30	L35
	1	0.4				-	-	-	-	-
	1.5	0.6				-	-	-	-	-
	2							-	-	-
	2.5	1								-
	3									
DTMS	4	1.5	-							
DINS	5	1.0	-							
	6	2	-							
	8	2.5		-						
	10	3	-	-	-					
	12	3.5	-	-	-	-				
	13	0.0	-	-	-	-	-	-		



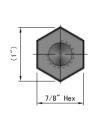
	D-L M材质:SUJ2	₩ 硬度:58-62HRC			
Code		Dm6		L2	M×P
	5	+0.012	1.5	6	M 3×0.5
	6	+0.004	2	8	M 4×0.7
	8	+0.015	2	٥	M 5×0.8
DTMSM	10	+0.006		10	M 6×1
DIWSW	12	+0.018	2.5	10	IVI U^ I
	13	+0.007		15	M 8×1.25
	16	+0.021	2	15	IVI 6×1.25
	20	+0.008	3	18	M10×1.5

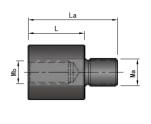


顶棍镶件 Also Enjector insert

DDI

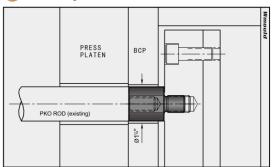


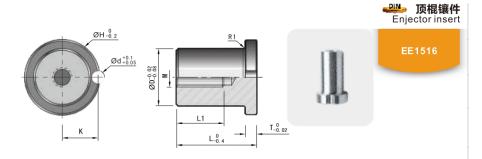




Corder PPH-37-L10	M 材质:P20	H 硬度:28-32HRC			
Code	Mb	Ma	La		@¥/P
PPH-37-L10	3/8-16	3/8-16	1,672		
PPH-50-L10	1/2-13	1/2-13	1.672		
PPH-62-L10	5/8-11	5/8-11		1.052	
PPH-62-L10-50	1/2-13	5/6-11	1,922	1.052	
PPH-75-L10	3/4-10	3/4-10	1.922		
PPH-75-L10-NT	N/A	3/4-10			
PPH-37-L15	3/8-16	3/8-16			
PPH-50-L15	1/2-13	1/2-13	2.172		
PPH-50-L15-NT	N/A	1/2-13		1.552	
PPH-62-L15	5/8-11	5/8-11		1.552	
PPH-75-L15	3/4-10	3/4-10	2.422		
PPH-75-L15-NT	N/A	3/4=10			

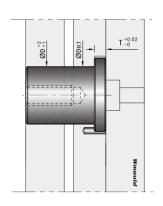






Order EE1516-12-	-45 🛮 材月	贡:15CrMn							
Code									@¥/P
EE1516-12 - 45 EE1516-12 - 65	M12	45 65	30 35	20		28	14		
EE1516-16 - 65 EE1516-16 -100 EE1516-16×1.5- 65 EE1516-16×1.5-100	M16 M16×1.5	100 65 100	50	26		35	17.5	۰	
EE1516-20 - 65 EE1516-20 -100 EE1516-22×1.5- 65	M20	65 100 65	45 50 45	30	6	40	20	8	
EE1516-22×1.5-100 EE1516-24×1.5- 65 EE1516-24×1.5-100	M22×1.5 M24×1.5	100 65 100	45 50 45 50	36		46	23		



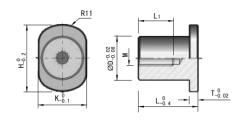




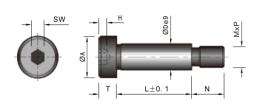
顶棍镶件 PM Enjector insert

FF151





Code								@¥/P
EE1515-10 - 42		42						
EE1515-10 - 47		47						
E1515-10 - 52	M10	52						
EE1515-10 - 61		61						
EE1515-12 - 42		42						
		47						
EE1515-12 - 47	M12							
EE1515-12 - 52		52						
EE1515-12 - 61		61	24					
EE1515-16 - 42		42	24					
EE1515-16 - 47	M16	47		34	30	46		
EE1515-16 - 52	MID	52		34	30	46		
EE1515-16 - 61		61						
EE1515-16×1.5- 42		42						
EE1515-16×1.5- 47		47						
EE1515-16×1.5- 52	M16×1.5	52						
EE1515-16×1.5- 61		61						
EE1515-18×1.5- 42		42						
EE1515-18×1.5- 47	M18×1.5	47	26					
EE1515-18×1.5- 52	W110^1.0	52	20					
EE1515-18×1.5- 61		61						
EE1515-20 - 42		42	28					
EE1515-20 - 47		47						
EE1515-20 - 52		52						
EE1515-20 - 61		61						
	M20							
	MZU	66	30					
EE1515-20 - 71		71						
EE1515-20 - 76		76						
EE1515-20 - 85		85						
EE1515-20 - 95		95						
EE1515-20×1.5- 42		42	28					
EE1515-20×1.5- 47		47						
EE1515-20×1.5- 52		52						
EE1515-20×1.5- 61		61					6	
EE1515-20×1.5- 66	M20×1.5	66					0	
EE1515-20×1.5- 71	WI2U^1.0	71	30					
EE1515-20×1.5- 76		76						
EE1515-20×1.5- 85		85						
EE1515-20×1.5- 95		95						
EE1515-22×1.5- 42		42	28					
EE1515-22×1.5- 47		47						
EE1515-22×1.5- 52		52						
EE1515-22×1.5- 61		61						
EE1515-22×1.5- 66	M22×1.5	66		46	40	56		
EE1515-22×1.5- 71		71	33					
EE1515-22×1.5- 76		76						
EE1515-22×1.5- 85		85						
		95						
EE1515-22×1.5- 95			00					
EE1515-24 - 42		42	28					
EE1515-24 - 47		47	33					
EE1515-24 - 52		52						
EE1515-24 - 61		61						
EE1515-24 - 66	M24	66						
EE1515-24 - 71		71	20					
EE1515-24 - 76		76	36					
EE1515-24 - 85		85						
EE1515-24 - 95		95						
EE1515-24×1.5- 42		42	28					
EE1515-24×1.5- 42 EE1515-24×1.5- 47		47	33					
			33					
EE1515-24×1.5- 52		52						
EE1515-24×1.5- 61		61						
EE1515-24×1.5- 66	M24×1.5	66						
EE1515-24×1.5- 71		71	36					
EE1515-24×1.5- 76		76	30					
EE1515-24×1.5- 85		85						

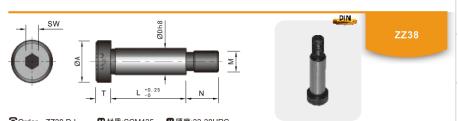




Order DTSI	B-D-L M材质	t:SCM435	硬度:33-38HRC				
	De9		sw				M×P
4		6.5			3	5	M 2.5×0.45
4.5	-0.02	7	2.5	1.6	3	6	M 3 ×0.5
5	-0.02	8			3.5	0	IVI 3 ~0.5
5.5	-0.03	Q	3	2.2	4	7	M 4 ×0.7
6		· ·	3	2	*	'	
6.5	-0.025	10	4	2.5	5	9	M 5 ×0.8
8	-0.023	13	5	3	6	9	M 6 ×1
10	-0.001	16	6	4	8	12	M 8 ×1.25
12	-0.032	17	0	4	0	12	IVI 8 ×1.25
13	-0.032	18	8	5	10	16	M10 ×1.5
16	-0.075	24	10	7	14	18	M12 ×1.75
20	-0.04/-0.092	27	14	9	18	24	M16 ×2



8	Order DTBL	D-L M 材质	₹:SCM435 I	■ 硬度:33-38HRC				
	D	e9		SW				M×P
	6.5	-0.025	10	4	2.5	5	0	M 5×0.8
	8	-0.025	13	5	3	6	9	M 6×1
	10	-0.061	16	6	4	8	12	M 8×1.25
	13	-0.032	18	8	5	10	16	M10×1.5
	16	-0.075	24	10	7	14	18	M12×1.75
	20	-0.04	27	14	9	18	24	M16×2
	25	-0.092	33	17	11	19	30	M20×2.5



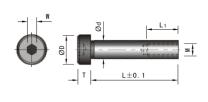
Order ZZ38-D-L	■ 材质:SCM435	₩ 使度:33-38HRC			
		sw			
6	10	3	4.5	9.5	M 5
8	13	4	5.5	11	M 6
10	16	5	7	13	M 8
12	18	6	9	16	M10
16	24	8	11	18	M12
20	30	10	14	22	M16
24	36	12	16	27	M20



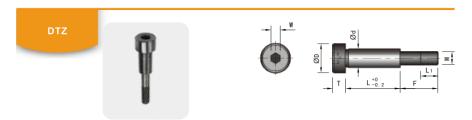


DTL

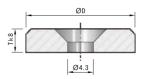




☎ Order DTI	Ød-L □	☑ 材质:SCM43	5 日硬度:33	3-38HRC				
Q	Ød	ØD			Т		1.	
Size	Tolerance	Size	Tolerance	Size	Tolerance		Li	М
10		16	0	8		6	12	M 6
13	-0.15	18	-0.43	10	-0.36	8	23	M 8
16	-0.15	24	0	14	-0.50	10	25	M10
20	0	28	-0.52		0	14	30	M12
25	-0.2	33	0/-0.62	18	-0.43	17	35	M16

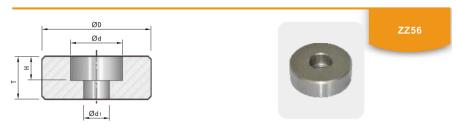


Order	DTZ-Ød-L	■ 材	质:SCM43	5 🖪 硬原	隻:33-38HR	С					
Q	ðd	Q	ID					L1		м	@¥/P
Size	Tolerance	Size	Tolerance	Size	Tolerance	W				IVI	W+11
10		16		8		6	16 21	18	22 27	M 6	
13	0 -0.15	18	0 -0.43	10	0 -0.36	8	14 19 24	24	30 35 40	M 8	
16		24	0	.,		10	15 20 30	26	35 40 45	M10	
20	0-0.2	28	-0.52	14	0 -0.43	14	20 30 35	30	50 55	M12	
25		33	0 -0.62	18	-0.43	17	31 41	38	60 65	M16	

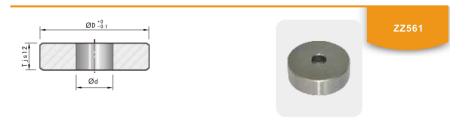




3	Corder ZZ55-D-T	☑ 材质:S45C		
	Code			@¥/P
	ZZ55-18-3 ZZ55-28-3	18 28	3	



	T M 材质:S	45C				
Code						@¥/P
ZZ56-15-10	15	10	11	6.6	8.4	
ZZ56-22-14	22	14	14.5	9	11	
ZZ56-36-20	36	20	17.5	11	13.5	
ZZ56-46-25	46	25	20	14	15.5	
ZZ56-56-32	56	32	26	18	21	

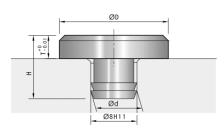


☐Order ZZ561-D-T	M 材质:S45C			
Code				@¥/P
ZZ561-14-3	14	3	6.2	
ZZ561-18-4	18	4	8.3	
ZZ561-24-5	24	5	10.4	
ZZ561-30-6	30	6	12.5	
ZZ561-40-8	40	8	16.5	

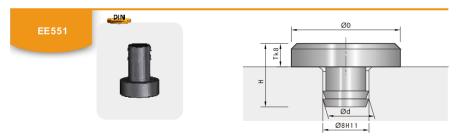




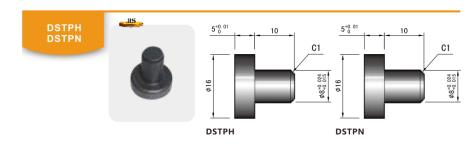




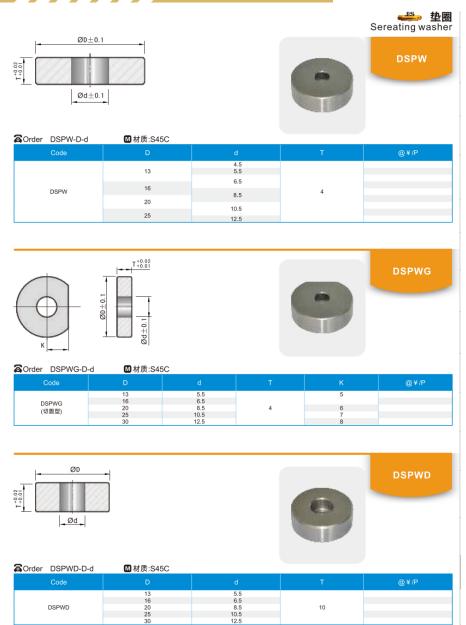
Orde	er EE1505-D	■材质:15CrMn	H硬度:≈46HRC			
	Code D					@¥/P
	EE1505-20 EE1505-30	20 30	12	4	8.2	



Order			H硬度:≈46HRC			
Code D						@¥/P
EE55	1-16-3 1-25-3	16 25	3	11	8.2	



☎Order DSTPH M材质:S45C H硬度:46-50HRC ☎Order DSTPN M材质:S45C

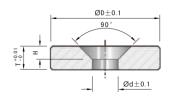




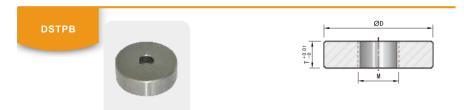


DSTR





Corder DSTR-D	■ 材质:S45C	● 硬度:46-50HRC			
Code					@¥/P
	16	5.5	3		
DSTR	20	6.5	3.5	5	
	25	8.5	4.5		



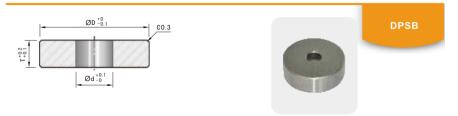
Order DSTPB-T	M 材质:S45C H 硬度	:46-50HRC		
Code				@¥/P
DSTPB	5 10 15	20	М6	



)-M-T M 材质:	™ 材质:SUS416								
Code		M(适用螺栓规格)				@¥/P				
DPST	30	M 6 M 8	10 15	6.2	3.5					
	40	M 6 M 8 M10	20 10	8.2	4.6					
			15 20	10.2	5.7					



Order	DPSZ-D-M-T	■ 材质:SUS	S416				
Code		M(适用螺栓规格)					@¥/P
	25	М 6	10 15 20	6.2	11	6.5	
	30	M 6	10 15 20	6.2	"	6.5	
DPSZ		M 8 M10	15 20	8.2 10.2	14 17.5	8.6 10.8	
	40	M 6	10 15 20	6.2	11	6.5	
	40	M 8 M10	10 15	8.2 10.2	14 17.5	8.6 10.8	
		M12	20	12.2	20	13	



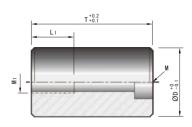
☎ Order DF	PSB-D-M-T ■ 材质	贡:SUS416		
Code		M(适用螺栓规格)		@¥/P
	25	M 6 M 8 M10	10 15 20	
DPSB	30	M 8 M10	10 15 20	
	40	M12 M16	10 15 20	



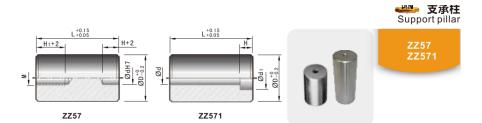
支承柱 Support pillar

EE1510





Code	D		Lt	м	M1	@¥/P
	U		- '	IVI	IVII	@ ≠ /P
EE1510-32- 46		46				
EE1510-32- 56		56				
EE1510-32- 66		66				
EE1510-32- 76	32	76				
EE1510-32- 86	32	86				
EE1510-32- 96		96				
EE1510-32-116		116				
EE1510-32-136		136				
EE1510-40- 46		46				
EE1510-40- 56		56				
EE1510-40- 66		66				
EE1510-40- 76		76				
EE1510-40- 86	40	86				
EE1510-40- 96		96				
EE1510-40-116		116				
EE1510-40-136		136				
EE1510-40-156		156				
EE1510-50- 46		46	20	M 8	M10	
EE1510-50- 56		56				
EE1510-50- 66		66				
EE1510-50- 76		76				
EE1510-50- 86	50	86				
EE1510-50- 96		96				
EE1510-50-116		116				
EE1510-50-136		136				
EE1510-50-156		156				
EE1510-60- 46		46				
EE1510-60- 56		56				
EE1510-60- 66		66				
EE1510-60- 76		76				
EE1510-60- 86	60	86				
EE1510-60- 96		96				
EE1510-60-116		116				
EE1510-60-136		136				
EE1510-60-156		156				
EE1510-70- 66		66				
EE1510-70- 76		76				
EE1510-70- 86		86				
EE1510-70- 96	70	96				
EE1510-70-116		116				
EE1510-70-136		136				
EE1510-70-156		156				
EE1510-70-176		176	25	M10	M12	
EE1510-80- 76		76				
EE1510-80- 86		86				
EE1510-80- 96		96				
EE1510-80-116	80	116				
EE1510-80-136		136				
EE1510-80-156		156				
EE1510-80-176		176				



Code	D	L		H1	d	М	@¥/P
					, i		@ +11
ZZ57-32- 46		46					
ZZ57-32- 56	32	56					
ZZ57-32- 66	O.E.	66	15				
ZZ57-32- 76		76					
ZZ57-40- 46		46		15	8	M 8	
ZZ57-40- 56		56	10	10	O	IWI O	
ZZ57-40- 66	40	66					
ZZ57-40- 76	40	76					
ZZ57-40- 86		86					
ZZ57-40- 96		96					
ZZ57-50- 56		56					
ZZ57-50- 66		66					
ZZ57-50- 76	50	76					
ZZ57-50- 86	30	86			10	M10	
ZZ57-50- 96		96					
ZZ57-50-116		116					
ZZ57-63- 56		56	18	18			
ZZ57-63- 66		66					
ZZ57-63- 76		76					
ZZ57-63- 86	63	86					
ZZ57-63- 96		96					
ZZ57-63-116		116					
ZZ57-63-136		136					
ZZ57-63- 76		76					
ZZ57-63- 86		86					
ZZ57-63- 96	80	96	20	20	12	M12	
ZZ57-63-116		116					
7757-63-136		136					

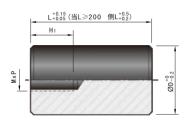
☎Order ZZ571-D-	L M 材质	t:S45C				
Code						@¥/P
ZZ571-32- 46 ZZ571-32- 56 ZZ571-32- 66 ZZ571-32- 76	32	46 56 66 76	9	15	9	
ZZ571-40- 46 ZZ571-40- 56 ZZ571-40- 66 ZZ571-40- 76 ZZ571-40- 86 ZZ571-40- 96	40	46 56 66 76 86 96	11	18	11	
ZZ571-50- 56 ZZ571-50- 66 ZZ571-50- 76 ZZ571-50- 86 ZZ571-50- 96 ZZ571-50-116	50	56 66 76 86 96				
ZZ571-63- 56 ZZ571-63- 66 ZZ571-63- 76 ZZ571-63- 86 ZZ571-63-116 ZZ571-63-116	63	56 66 76 86 96 116	14	20	14	
ZZ571-70- 76 ZZ571-70- 86 ZZ571-70- 96 ZZ571-70-116 ZZ571-70-136 ZZ571-70-156	80	76 86 96 116 136	18	26	18	



支承柱 Support pillar

DSPL





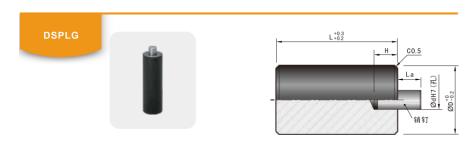
注意:

- 1. 因加工关系, 部分产品左右两侧面可能无表面处理;
- 2. 图示左侧端面部分产品还有中心孔。

Notice:

- 1.Both ends are not surface-treated.
- 2. With centre hole on the left tip.

Order	DSPL-D-L	_ M 材	质:S45C	S表面如	上理:四军	【化三铁(Fe3O4)							
0-4-		H1	M×P		@¥/P									
Code				L40	L45	L50	L55	L60	L65	L70	L80	L90	L100	L110
	12													-
	14													
	16	12	M 6×1											
	18													
	20													
	25													
	30			-	-									
	32			-	-									
DSPL	35	16	M 8×1.25		-									
	40			-										
	45				-									
	50			-	-									
	55			-	-									
	60	24	M12×1.75	-	-	-	-	-	-					
	80			-	-	-	-	-	-					
	100	22	MARKEN	-	-	-	-	-	-	-	-	-		



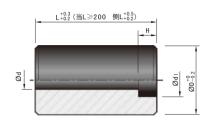
S DSPLO	G-D-L	Μ材原	贡:S45C	3表面处理	:四氧化=	铁(Fe3O4))						
Code		all	dH7		La 定位销 R		附件定位销	@¥/P指定单位10mm					
Code		u			Dowel pin	长度	L40	L50	L60	L70	L80	L90	
	20	8		15		Ø 8-25	25						
	25		10.015		10	Ø10-30		-					
DSPLG	30		+0.015				30	-					
DSPLG	35	10	0	20				-					
	40							-					
	50				15	Ø10-35	35	-	-	-			



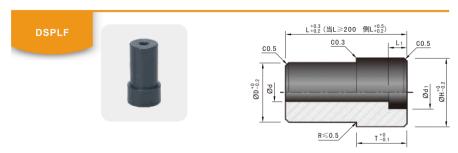


支承柱 Support pillar



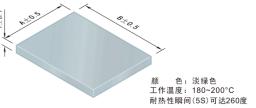


Order DSF-D-L-	M-H M 材质:S₄	45C S表面处理:四氧	【化三铁(Fe3O4)		
Code				H 指定单位1mm	
	16 18	6	10		M 5 M 6
	20 25	25		M 5 M 6 M 8 M 6 M 8 M10	
	32	9	14		M 6 M 8 M10 M12 M 8 M10 M12
DDSF	35 38	11	18	6-50	M10 M12 M16
	40 50	14	20		M12 M16 M20
	60 80	18	26		
	100 120	22	32		M16 M20



	LF-D-L-H-T	M 材质:S45C	S表面处理:四氧	化三铁(Fe3O4)				
Code							T 指定单位0.1mm	
	20	7			25			
	25	7	11	9	30	M 6		
	30	9	14	11	35	M 8	10-45	
DSPLF	35	11	18	14.5	40 50	M10	L>T	
	40	14	20	16.5	45	M12		
	50	18	25	22	55 65	M16		

Insulating plate





产品特点:

- 1.平整性;
- 2.硬度较高, 吸水率低, 透明度高;
- 3.防腐性强,耐高电压,耐高温。
- 1. Precision alloy casting, economie and durable.
- 2. Its application is flexible and easy by the Shoulder screws and Spring plunger.
- To protect the mold base and the bolts, do not forget to open the ZZ73A tool safety devices when mold moving. Otherwise, the front hook or the screws would break first.

	Size		重量(kg)	@¥/P
Α			weight	W+11
		5	15.2	
		6	18.2	
1030	1230	8	24.3	
		10	30.4	
		12	36.5	

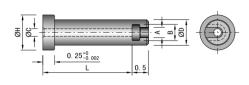
特性	单位	数值
贯层耐电压	KV/mm	16
沿层耐电压	KV/IIIII	10
体积阻抗		5×10"-10"
表面阻抗	Ω /cm	10×10"-10"
绝 缘 阻 抗		
介质常数		4-5/4.5-5.5
消 耗 因 子		0.03-0.04/0.04-0.05
弯曲强度	Kg/mm ^r	40-50
耐热性瞬间(5秒)	°C	260
横 击 强 度	Kg/mm ^r	150-180
劈 开 性	Kg	450-500
压缩强度	Kg/m ^m	29-34/19-24
吸水率	Scc	130-140
吸水率	%	0.07-0.16
打拨加工性	Min	30
7.75X/JH.上门主	℃	-





SSLX-P





产品特点:

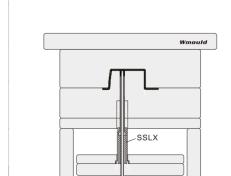
- 1.快速低成本延长司筒的方案;
- 2. 提供四种标准规格选择;
- 3. 可根据客户要求进行非标定制。

Features:

- 1.lengthens sleeves quickly and inexpensively.
- 2. Four lengths for more versatility.
- 3. Special length upon request.

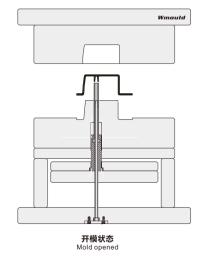
安装示意图: Installation Diagram:

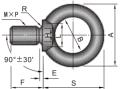
Code	Nominal Sleeve I.D.	D+0 - 0.002	A+0.002	B+0.005	C+0.03	T+0.002	H ₋ 0.10	@¥/P L
SSLX-P13	3/32		0.193	0.385				
SSLX-P15	1/ 8	0.625	0.224	0.416	0.17	0.188	0.875	
SSLX-P17	5/32		0.255	0.448				
SSLX-P21	3/16		0.318	0.510	0.22			2.00-3.50
SSLX-P23	7/32	0.875	0.349	0.570	0.25		1.125	2.00-3.50
SSLX-P25	1/ 4		0.380	0.630	0.28	0.251		
SSLX-P29	5/16	0.443 0.609 0.34	4.050					
SSLX-P33	3/ 8	1.000	0.505	0.760	0.41		1.250	



合模状态

Mold closed









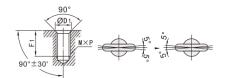
ССН

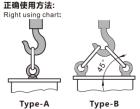
Safety crings

Order	CCHI-M	M	材质:SS400

Code								
	6	24.9	14.5	5.2	12.8	0	15	4.7
	8	32.6	20	6.3	16	3	15	6
	10	41	25	8	20	4	18	7.7
	12	50	30	10	25		22	9.4
	16	60	35	12.5	30	5	27	13
CCHI	20	72	40	16	35	6	30	16.4
	24	90	50	20	45	. 8	38	19.6
	30	110	60	25	60	8	45	25
	36	133	70	31.5	70	10	55	30.3
	42	151	80	35.5	80	40	65	35.6
	48	170	90	40	90	12	70	41

Code				最大容许:	负载N(kgf)	D1		M×P
Code				A:垂直1个	B:45° 2个			WAP
1	4	28.45	7.9	392 (40)	392 (40)	9	17	M 6×1.0
	33.3	9.2	785 (80)	785 (80)	11	17	M 8×1.25	
	1.2	41.5	11.2	1471 (150)	1471 (150)	13	20	M10×1.5
	1.4	51	14.2	2157 (220)	2157 (220)	16	24	M12×1.75
	1.6	60	18.2	4413 (450)	4413 (450)	20	30	M16×2.0
CCHI	2	71	22.4	6178 (630)	6178 (630)	24	34	M20×2.5
	2.5	90	26.4	9316 (950)	9316 (950)	28	42	M24×3.0
	2	110	33.4	14710 (1500)	14710 (1500)	36	50	M30×3.5
	3	131.5	39.4	22555 (2300)	22555 (2300)	42	60	M36×4.0
	3.5	150.5	45.6	33342 (3400)	33342 (3400)	48	70	M42×4.5
	4	170	52.6	44130 (4500)	44130 (4500)	56	76	M48×5.0









不能横吊 不 Side lifting 男

不能以一条钢 索吊两个吊环 Cross-coupling with a single rope

when lifting with 2 bolts

安装使用说明:

- 安装时,用手轻轻地紧固,使 吊环螺栓的支承面紧贴在板面上;
- ·使用2个吊环时,请确保2个吊 环栓取方向要相同。

Installation Guidelines:

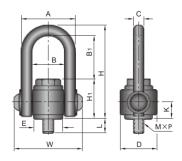
- Fix tightly with hand lightly to make bearing surface of bolt appress on the board when install.
- when use two rings, ensure the same direction.



旋转式吊环 🚢 Safety crings

SSLEB





☎Order SSLEB-M M 材质:SCM435 H 硬度:28-33HRC
--

Code								
	8 10	41	25	8	28	22	50	9.7 12.7
	12	50	30	10	32	25	62	15
	16	65	37	14	42	32	79	18
SSLEB	20	83	47	18	50	38	100	21
	24	102	58	22	60	48	121	24
	30	128	72	28	75	60	150	30
	36	154	90	32	90	70	176	34
	42	176	104	36	105	80	200	42

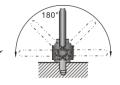
Code				最大容许:	负载N(kgf)		M×P	@¥/P
Code				A:垂直1个	B:水平2个		IWIAP	
	33	71	30	2940 (300)	2940 (300)	11	M 8×1.25	
	32	71	31	4900 (500)	4900 (500)	16	M10×1.5	
	40	88	38	7850 (800)	7850 (800)	21	M12×1.75	
	47	109	48	15690 (1600)	15690 (1600)	27	M16×2.0	
SSLEB	60	135	57	24520 (2500)	24520 (2500)	31	M20×2.5	
	72	157	63	35300 (3600)	35300 (3600)	37	M24×3.0	
	90	197	79	56870 (5800)	56870 (5800)	50	M30×3.5	
	112	235	91	78450 (8000)	78450 (8000)	57	M36×4.0	
	130	275	109	98060 (10000)	98060 (10000)	67	M42×4.5	

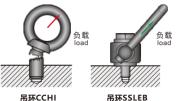
- 1.旋转式吊环螺栓相对于重物起吊轴可360°旋转。并且,相对于起吊方向也可180°活动;
- 2. 旋转式吊环垂直起吊与槽向起吊两种使用方法。可避免因使用传统吊环螺栓CCHI的横向起吊、斜向 起吊、拉起作业带来的风险;
- 3. 旋转式吊环与吊环CCHI相比,相同螺栓规格的容许负载可达CCHI的3倍左右。

- 1. Swivel Lifting Eye Bolt is available to rotate 360° against the heavy lift shaft. Also, available to rotate 180° against the lifting direction.
- 2.Can safely use Swivel Lifting Eye Bolt even when the lifting work from side direction, beveled direction or under tensile condition which are dangerous with the conventional eye bolt of CHI.
- 3. Compared with CHI, Swivel Lifting Eye Bolt has approx, three times allowance load with same bolt size. Available to use at small place by changing screw diameter M and outer dimension W smaller. Refet to the following table.

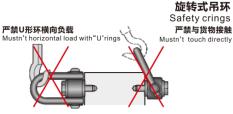












错误使用方法 Wrong using



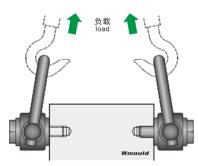
- ·安装平面必须大于旋转式吊环螺栓的端面,保证两者紧密配合,并以适合螺栓的扭矩加以紧固;
- ·安装完成旋转式吊环螺栓后,确认U形钩环相对于起吊轴360°旋转,相对于起吊方向180°活动;
- ·U形钩环采用纵向承载设计,请勿直接钩挂内径超出U形钩环的吊钩等;
- ・使用2个以上的旋转式吊环螺栓,根据起吊角度等的不同,负载可能集中在其中1个上。敬请注意。
- ·旋转功能仅为改变起吊方向设定,在施加负载的状态下,禁止连续旋转使用;
- ·严禁急速起吊,控制好起吊速度;(防止冲击导致螺栓或其它零件损坏)
- ·根据使用程度(负载和频率)定期检查有无变形、裂纹等。

Installation Guidelines:

- · Sit flange on the wider surface area than swivel lifting eye bolt and fasten bolts with right torque.
- · After installing swivel lifting eye bolt, need to verify if the shackle moves at 360° against the lift shaft and 180° against the lifting direction.
- · As the shackle is designed for longitudinal load, do not directly hook larger bolt than inner diameter of the shackle.
- · When using two or more eye bolts, need attention on the loading displacement to single eye bolt depending on the lift angle.
- · This item has rotating function for changing lifting direction, however, do NOT continuously rotate eye bolt in loading condition.
- · Sudden lifting work is dangerous. Lift carefully with slow in lifting speed.
- (Impact shock may be a cause of bolt or other parts damage)
- · Make regular check-up on the change in shape and cracking according to the load working condition and operation frequency.







Type-B 横向起吊

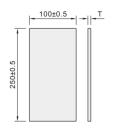




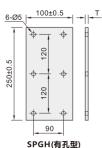


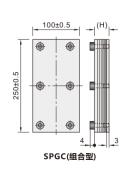
SPG **SPGH SPGC**





SPG(无孔型)





Code		公差	材质	硬度	@¥/P
	0.05	±0.003	SUS304		
	0.1	±0.004			
	0.2	±0.006		47-52	
SPG	0.3	±0.007			
(无孔)	0.4	±0.009	SUS301		
SPGH	0.5	±0.010			
	0.6	10.010			
(有孔)	0.7	±0.012		43-47	
	0.8				
	0.9	±0.013		43-47	
	1.0				

· 组合部品 ①积层板 组合型9005由上而下依照厚度排列 ②底板 M材质:SPCC, SS41 底板有6-M4攻牙加工以固定垫片

·6-Ø5适合M4螺丝锁紧用

Code (H)	/40	组合明细										@¥/P	
	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	W + /P	
SPGC- 5	4.5	-	0	0	0	0	0	-	-	-	-	-	
SPGC-10	0.5		0	0	0	0	0	0	0	0	0	0	
SPGC-11	8.5	0	0	0	0	0	0	0	0	0	0	0	

· 使用说明:

组合型垫片以线切割加工, 可得不同厚度的异状垫片。



Order TT-	2 М材质:	铍铜		
Code	厚度	宽度	长度	@¥/P
TT-1	0.002			
TT-2	0.003	60	1000	
TT 2	0.004			







43.5

45.5

49.5

12

13

15

18

20

22 24 25

31

34

37

40

41

42

45

48

52

+0.05

+0.06

1.9±0.07

2.4±0.07

3.5±0.1

+0.05

+0.06

41.5

45.5 47.5 2.8 3.8

4.8

8.8

9.8

10.8 11.8

13.8

15.8

17.8

19.8 21.8

24.7 25.7

27.7

29.7

30.7 31.7

33.7

34.7 35.7 37.7

38.7

41.7 43.7

45.7

±0.25

±0.3

±0.5

45

12

13

15

18

20

22

24

31

34

41

42

45

48

52

46

11

14

16 18

20

25

26 28

34

35 36

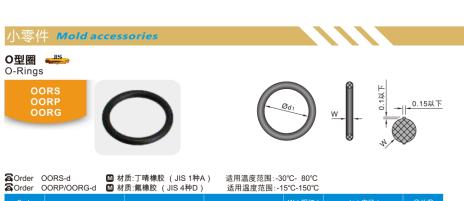
39

42

46

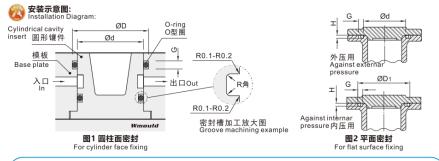
-0.08

(节省空间 固定式)



Code		d		D	*	*D1		d1 (I	内径) @¥/P	
OORG	25 30 35 40 45 50 55 60 65 70	0	30 35 40 45 50 55 60 65 70	+0.10	30 35 40 45 50 55 60 65 70 75	+0.10		24.4 29.4 34.4 39.4 44.4 49.4 54.4 59.4 64.4 69.4	±0.3	
(固定式)	75 80 85 90 95 100 105 110 115	-0.10	80 85 90 95 100 105 110 115 120	0	80 85 90 95 100 105 110 115 120	0	3.1±0.1	74.4 79.4 84.4 89.4 94.4 99.4 104.4 109.4 114.4 119.4	±0.8	

Code	G ^{+0.25}	н	H公差	R max.	D・d 偏心 max.	
OORS 3- 22	2.5	1.0	0	_		
OORS 24- 48	2.7	1.5	- 0.1			
OORS 3- 10	2.5	1.4		0.4	0.05	
OORS 11- 22	3.2	1.8	±0.05	0.4	0.05	
OORS 24- 48	4.7	2.7	±0.05	0.7	0.08	
OORS 25-120	4.1	2.4		0.8	0.08	



- · H尺寸用于平面密封场合;
- ·运动式采用OORP:
- ・ 运动式米用OORP;
 ・ 圆柱面密封用槽的深度请根据
 型
 进行计算;
- ·运动式/固定式是按JIS B2401规格进行标记的;
- ·运动式/固定式的尺寸不同; 可将运动式用作固定式。

- · H size is required for flat surface fixing.
- · Use the ORP O-rings for movable applications.
- Calculate the groove depth for cylinder face fixing from $\frac{D(D1)-d}{2}$
- · Notation of O-rings for movable applications and for flat surface fixing is according to the specifications of JIS B2401.
- · There is difference between sizes of O-rings for movable
- applications and for flat surface fixing.
- · O-rings for movable applications can be used for flat surface fixing as well.

