錦鴻 JH

浙江廠
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Add：xiang guang Road.West Industrial Area,
Huangyan District,Taizhou,Zhejiang
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Web:www.jh-mouldparts.com

錦鴻 JH

錦鴻塑膠五金模具配件有限公司

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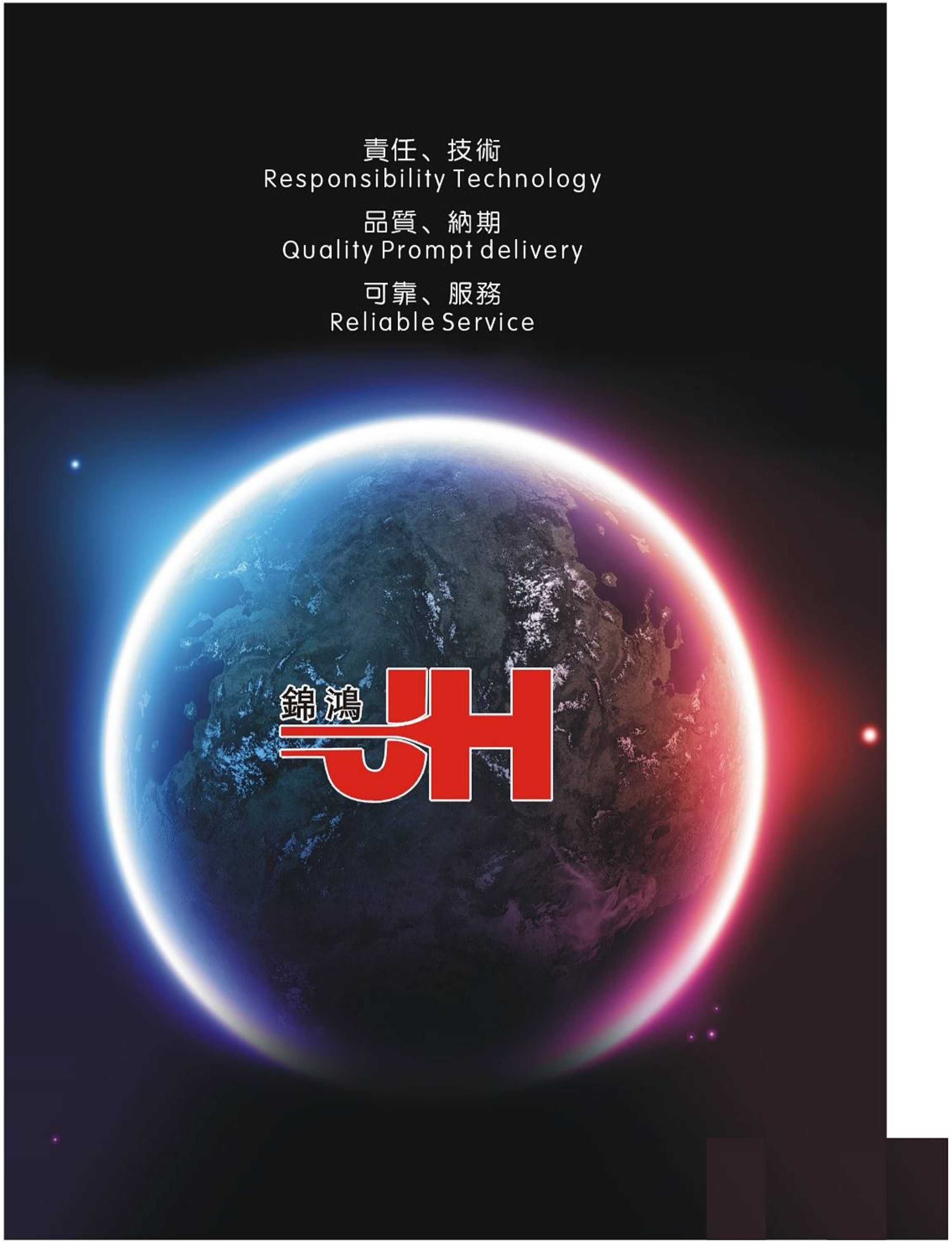
JIN HONG PLASTIC HARDWARE MOLD FITTINGS CO.,LTD.

PROFESSIONAL
Plastic Mold With
Standard Accessories

模具標準零配件



專業塑膠模用標準配件

Professional plastic mold with standard accessories

History

歷史

2002年4月
锦鸿第一家工厂在广东东莞清溪镇建立投产

2004年6月
锦鸿在广东东莞建立第二家工厂

2004年8月
获取ISO9001认证

2005年1月
锦鸿第三家工厂在浙江省台州建立

2005年3月
大元弹簧有限公司成立，并成为韩国大圆弹簧中国及港澳台地区总代理

2006年6月
锦鸿第四工厂在江苏昆山建立

2011年
锦鸿福建厂在福建福清建立

2012年
为了扩大生产规模，锦鸿东莞一厂、二厂搬迁清溪镇荔横管理区占地面积15000平方

未来
我们将使锦鸿模具配件如便利超市般万物俱全，
遍布于全国各省及全球各地

Apr-2002
Established the First Factory in gingxi, Dongguan , Guangdong Province

Jun-2004
Established the Second Factory in gingxi, Dongguan , Guangdong Province

Aug-2004
Obtained the ISO-9001 International Certification

Jan-2005
Established the Third Factory in Taizhou , Zhejiang Province

Mar-2005
Dayuan Spring Co.,LTD was set up , and became exclusive agent of Korea DAEWON DIE SPRING in China

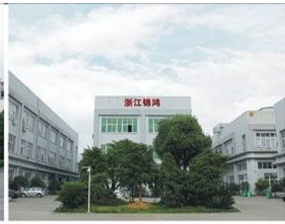
Jun-2006
Established the Fourth Factory in Kunshan , Jiangsu Province

Oct-2011
Established the fifth factory in fuqing,fujian province

Dec-2012
In order to expand production scale,relocated to precinct of liheng,qingxi town which covers an area of 15000 square meters

In the future
We will offer jinhong productions as convenience as supermarket with all things,
Throughout the country provinces and around the world

東莞廠



浙江廠

昆山廠

福建廠

公司在制造优良的产品的同时，更配以优秀的管理人才，细心聆听客户要求，贴身跟进产品的售后服务，赢取了众多客户的信任，同时创造了良好的社会经济与社会效益。公司期望与您携手，建立长期合作伙伴关系，共创美好未来。欢迎各界朋友前来洽谈、参观。

While producing fine products, we arrange excellent management talents to actively listen to customers' demands, closely follow up the after sales service, win confidence of many customers, and simultaneously create good social economy and social benefit. We look forward to hold hands with you to create a long-term partner relationship and create fine future together. Welcome friends from all circles to visit and negotiate with us.

生產車間

COMPANY'S ACHIEVEMENTS

生產設備及實力
勇于創新共贏未來，
發展是硬道理，公司擁有規範、
一流的生產環境，
先進優良的生產設備。

CNC數控中心

深孔鑽

PRODUCTION EQUIPMENT

Willing to create and invest for a brilliant future harvest,Development is the Absolute Principle,owns first-class standardized production environment,equiped with advanced production lines.

慢走絲

平面磨床

生產車間

COMPANY'S ACHIEVEMENTS

向高目標挑戰，重視合作和信息交流，發揮專業才能，
努力做到最好。群學實幹，精益求精、服務就是讓客户滿意。

Challenge higher target,put cooperation and information exchange on the top, be devoted to the position.Diligence, pursuit for perfection and first-class service are our promise for our customers.

精雕加工机

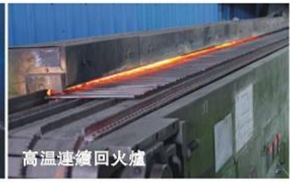
無芯研磨

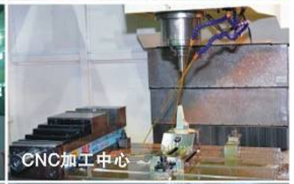
車銑床車間

CNC加工机

生產車間
COMPANY'S ACHIEVEMENTS

公司一貫重視技術進步，
注重對傳統技術工藝的改造，
不斷引進先進設備，崇尚學習，大膽探索，
敢爲人先，
持續創新之基，融匯先進袛要。
公司依托先進的技術正全力開拓與世界各地區的貿易往來。





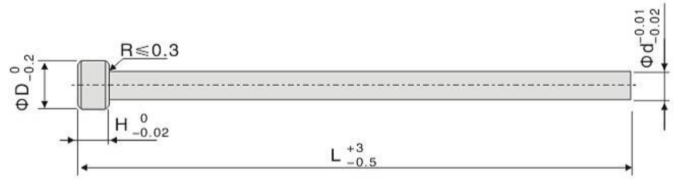
company has always emphasized on technology improvement, and focused on the transformation of traditional techniques, and introduced advanced equipment constantly, we advocate learning, willing to explore and always are the first one for the continuous innovation with integrating the advanced. Our company is developing the market with all regions of the world relying on the advanced technology.

QUALITY GUARANTEE 品質保障

爲了提升産品品質從而形成强大的競争力，公司引進先進的檢測設備，完善專業的檢測流程，全方位的構築質量保障體系，讓每一個流程，每一道工序，每一個環節都在科學嚴謹的質量控制之中，從而成就卓越品質。

In order to improve product quality so as to form a strong competitive edge, the company introduced advanced testing equipment, perfect professional testing process, and build a full range of quality assurance system, so that every process, every process, every step of the quality of the scientific rigor under control, and thus the quality of excellence.

單節射梢 SKD-61 STRAIGHT EJECTOR PIN



M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed

Metric System(mm)

D	H	Catalog No. Type	d	
3 (6)			1	
			1.5	-0.008 -0.018
	4		2	
6			2.5	
			3	
7			3.5	
			4	
8			4.5	-0.010 -0.020
9			5	
	6		5.5	
10		JH001	6	
			6.5	-0.015 -0.022
11			7	
13			8	
14			9	
15			10	
17	8		12	
18			13	-0.018 -0.027
21			16	
25			20	
30			25	

Inch

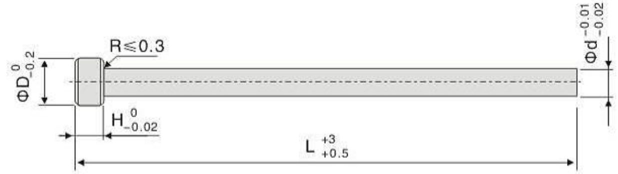
D	H	Catalog No. Type	d	
			3/64	
			1/16	
1 /4	1/8		5/64	-0.008 -0.018
			3/32	
			1/8	
			9/64	
9/32	5/32		5/32	
11/32			11/64	-0.010 -0.020
3/ 8	3/16		3/16	
13/32		JH002	7/32	
7/16			1/4	
	1 /4		9/32	-0.015 -0.022
1/ 2			5/16	
9/16			11/32	
5/8			3/8	
11/16	1 /4		7/16	
3/ 4			1/ 2	-0.018 -0.027
7/8			5/8	
1"			3 /4	

●Order: Catalog No. D×H×d×L

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購100祇以上價格另議。
Remark:1.Special product is available.
2.Price is negotiable if quantity of each size is more than 100 in one order.

SKD61單節射梢價目表 /Price List

	公制 mm	英制 Inch	L 100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
d	1																		
	1.2	3/64																	
	1.5																		
	1.6	1/16																	
	2	5/64																	
	2.5	3/32																	
	3	1/8																	
	3.5	9/64																	
	4	5/32																	
	4.5	11/64																	
	5	3/16																	
	5.5	7/32																	
	6																		
	6.5	1/4																	
	7	9/32																	
	8	5/16																	
	9	11/32																	
	10	3/8																	
	12	7/16																	
	13	1/2																	
	16	5/8																	
	20	3/4																	
	25	1"																	



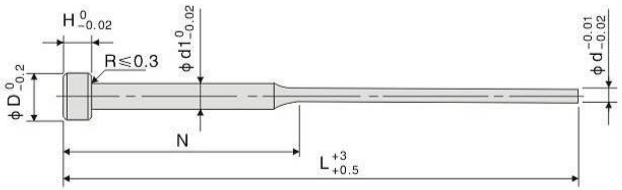
M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKH51	HRC58°~60°	HRC58°~60°	真空處理 Vacuumed

D	H	Catalog No. Type	d	容許差 Tolerance	L 100	150	200	250	300
3	4	JH003	0.8	-0.01 -0.02					
			0.9						
			1.0						
			1.1						
			1.2						
			1.3						
			1.4						
			1.5						
			1.6						
4			1.7						
			1.8						
			1.9						
			2.0						
			2.1						
5			2.5						
6			3.0						
7	6 (4)		3.5						
			4.0						
9			4.5						
			5.0						
10			5.5						
			6.0						
11	8(4)		6.5						
	8(6)		7.0						
13	8(4)		8.0						
14	8		9.0						
15	8(4)		10.0						
16	8		11.0						
17	8(4)		12.0						

●Order: Catalog No. D × H × d × L

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購100衹以上價格另議。
Remark: 1.Special product is available.
2.Price is negotiable if quantity of each size is more than 100 in one order.

雙節射梢 SKD-61 SHOULDER EJECTOR PIN



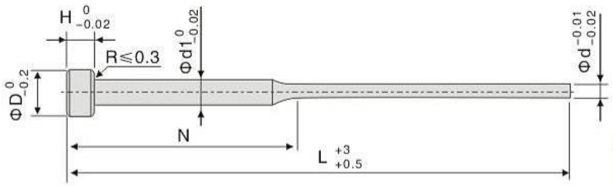
M材質	Inner Hardness I.H内部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed

D	H	d1	Catalog No. Type	d	L 100	150	200	250	300	350	400	500	600	700	800	900
6	4	2	JH004	0.6												
				0.8												
6		3		1												
				1.2												
				1.4												
				1.5												
				1.8												
8	6	4		2												
				2.2												
				2.5												
				3												
9		5		3.5												
10		6		4												
11		7		4.5												
				5												
				5.5												
13	8	8		6												
				6.5												
				7												
15		10		8												
17		12		10												

●Order: Catalog No. D × H × d1 × d × L × N

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購100祇以上價格另議。
3.價格以d1尺寸爲基準。
Remark: 1.Special product is available.
2.Price is negotiable if quantity of each size is more than 100 in one order.
3.Theprice is per the size of d1

雙節射梢 SKD-51 SHOULDER EJECTOR PIN



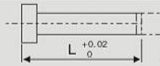
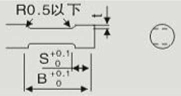
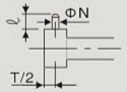
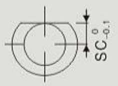
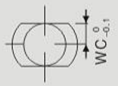
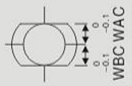
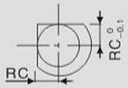
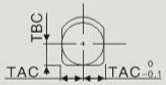
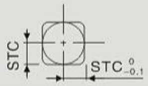
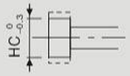
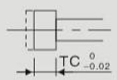
M材质	Inner Hardness I.H内部硬度	Surface Hardness S.H表面硬度	Heat Treatment 热处理
SKH51	HRC58°~60°	HRC58°~60°	真空處理 Vacuumed

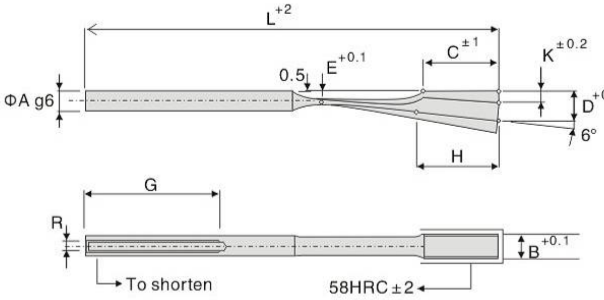
D	d1	H	Catalog No. Type	d	L=100 N=40	L=150 N=50	N=70	L=200 N=70	N=100
3	1.5	4.0	JH005	0.5					
				0.6					
				0.7					
				0.8					
				1.0					
4	2.0			0.8					
				0.9					
				1.0					
				1.1					
				1.2					
5	2.5			0.8					
				0.9					
				1.0					
				1.1					
				1.2					
6	3.0			0.8					
				0.9					
				1.0					
				1.1					
				1.2					

●Order: Catalog No. D × H × d1 × d × L × N

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購100祇以上價格另議。
Remark: 1.Special product is available.
2.Price is negotiable if quantity of each size is more than 100 in one order.

頂針追加工圖要 EJECTOR PINS PROCESS DRAUINGS

OPTION	CODE	SPEC
 L>500⇨0	LC	LC=0.1mm unit L≤40
 L>200⇨ $^{+0.05}_{00}$ L>500⇨ $^{+0.1}_{0}$	LG	LG=0.01mm unit L≥40
 R0.5以下	GVC	S.B=1mm unit 2≤S≤10,S-5≤B≤30 D≥3
	NP	D≥2.5
	SC	SC=0.005mm unit D/2≤WC<H/2
	WC	WC=0.005mm unit D/2≤WC<H/2
	WAC WBC	WAC,WBC=0.005mm unit D/2≤WAC.WBC<H/2
	RC	RC=0.005mm unit D/2≤RC<H/2
	TTC	TTC=0.005mm unit D/2≤TTC<H/2
	STC	STC=0.005mm unit D/2≤STC<H/2
	HC	HC=0.1mm unit D+1≤HC<H D≥1.5
	TC	TC=0.1mm unit T/2≤TC<T D≥1.5



采用彈簧鋼制造，主要利用底部釋放彈性頂出所需角度，像標準頂針一樣，通過頂出板來實現其功能。
It's made form spring steel,release elasticity at bottom as stardard ejector pins, and fulfill it's function by eject plate.

Material M 材質	Hardness H硬度
1.8159	HRC45° ±3°

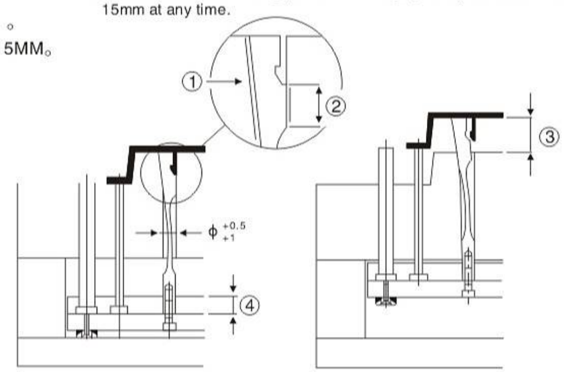
Type	尺寸/dimention									
	A	B	C	D	E	G	H	K	L	R
JHN01-1	6	6.2	22	9	3.5	40	25	3.5	125	M4
JHN01-2		8.2								
JHN01-3	8	8.2	25	11.5	4.5	50	30	4.5	140	M5
JHN01-4		10.2								
JHN01-5		12.2								
JHN01-6	10	14.2	30	15	5.5	60	38	5.5	175	M6
JHN01-7		16.2								
JHN01-8		18.2								

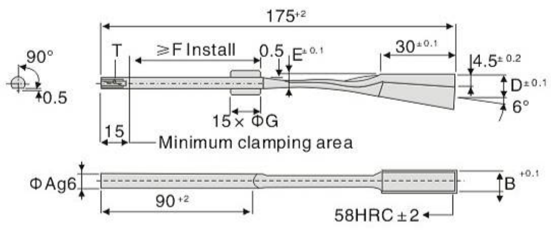
使用例Example
注意事項:

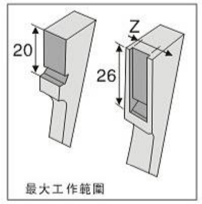
1.彈弓頂針支撑部件的長度必須與“H”尺寸一至。
2.調節部位的長度最少是“C”尺寸的1/3。
3.彈弓頂針伸出部位的尺寸必須等于或小于尺寸“C”。
4.任何時候，固定彈弓頂針的固定板的厚度不得低于15MM。

備注：如果此產品不能满足你的要求，或者你在設計方面有什麼疑問，請聯系我的的技術部們來尋求最佳解决方案。
Remark:If these products can not meet your need,or you have any question about our design,please contact our technical department to find the best solution.

1.The length of component which use to sustain sling ejector pin must be same as the size of "H"
2.The length of adjust part must at least 1/3 of the size of"C".
3.The size of protrude partin sling ejector pin must equal or small than the size of"C".
4.The thickness of locating plate of the sling ejector pin must more than 15mm at any time.







含附件LF

采用彈簧鋼制造，主要利用底部釋放彈性，含導套配合，防止與模板之間長期摩擦而損壞。
It's made from spring steel,release elasticity at bottom,with guide bushing to prevent the damage from long time's friction between it and mold plate.

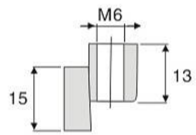
Material M 材質	Hardness 硬度
1.8159	HRC45° ±3°

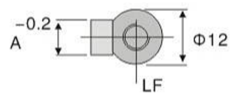
Type	尺寸/dimention							
	A	B	D	E	F	LFΦG	P	T	Z
JHN02-1	6	6.2	10	3.5	50	12	13.5	M4×12	3.5
JHN02-2		8.2							6.5
JHN02-3	8	10.2	11.2	4.5	65		14.5	M5×12	7.5
JHN02-4		12.2							9.5
JHN02-5	10	15.2	13.6	5.5	80	16	15.5	M6×12	12.5
JHN02-6		18.2							15.5

固定栓Locating pin

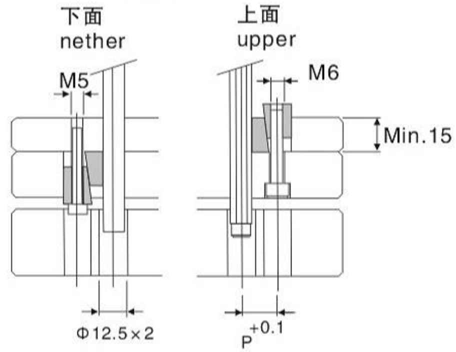
裝在頂出板上以固定彈弓頂針使其保持在合適的位置上。固定栓保持力超出7.5N。
Ins talled on ejector plate to fix the sling ejector pin,to keep it in suitable location,The hold force of locating pin adove 7.5N

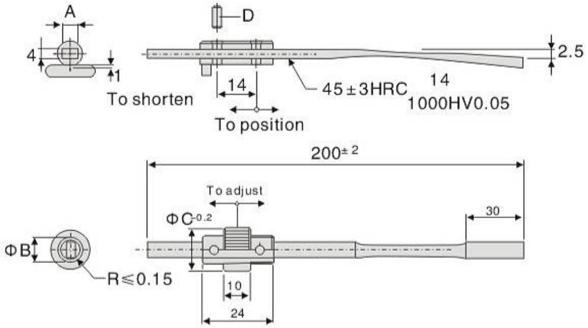
附件LF
Accessory

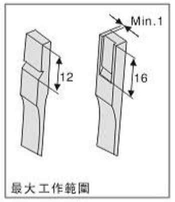




使用例 Example







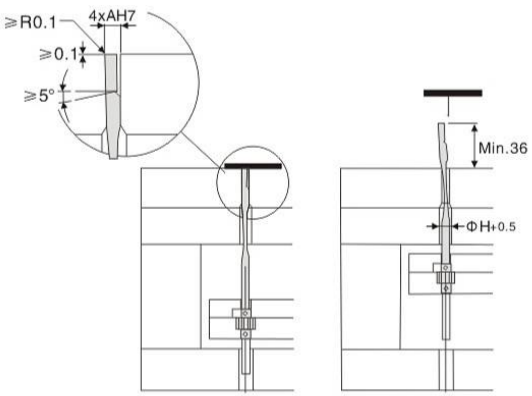
由于接觸面與頂出板平行，因而從底部釋放彈性的最小區域的厚度僅爲4mm，另此產品的一個新的特點是：先頂出然後從底部釋放彈性。

Because the contact surface is parallel with ejector plate,the thickness of release elasticity form bottom's smallest area is just 4mm,and a new characteristic of this product:first eject then release elasticity from the bottom.

Material M 材質	Hardness 硬度
1.2101	HRC58° ±2°

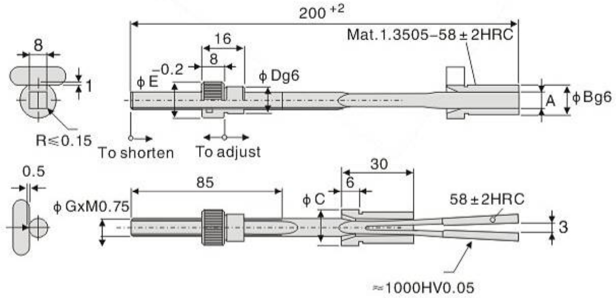
Type	尺寸/dimention				
	A	B	C	D	H
JHN03-1	6	M10x0.75	16	3x8	7
JHN03-2	8	M12x0.75	18	4x10	9
JHN03-3	10	M14x0.75	20	4x12	11
JHN03-4	12	M16x0.75	22	4x14	13

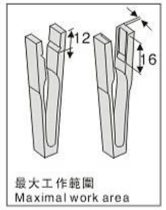
使用例 Example



彈弓頂針 SLING EJECTOR PIN

塑膠模用 Plastic mold accessories





用于從底部釋放彈性，頂出機構能預先調整所需頂出的高度。產品易于安裝，安裝時與分型面成90度。

Apply to release elasticity from bottom,the ejector device can adjust to required eject height in advance.Easy to install,and keep 90° with the devided surface when install it.

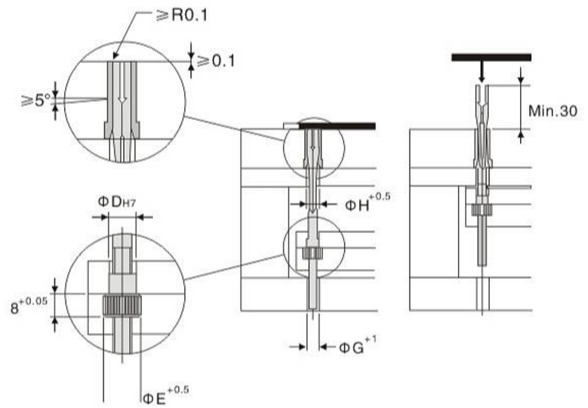
Material M 材質	Hardness 硬度
1.8159	HRC45° ±3°

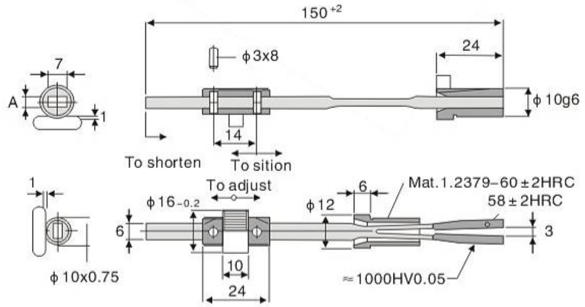
Type	尺寸/dimention						
	A	B	C	D	E	G	H
JHN04-1	6	12	14	10	14	6	10
JHN04-2	8	14	16	12	16	8	12
JHN04-3	10	16	18	14	18	8	14
JHN04-4	12	16	18	16	20	8	25

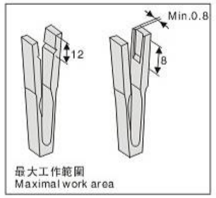
以上非標長度在275~350mm之間。

Special products'length are between 275~350mm.

使用例Example





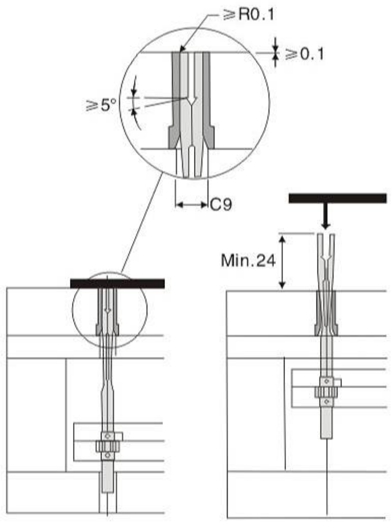


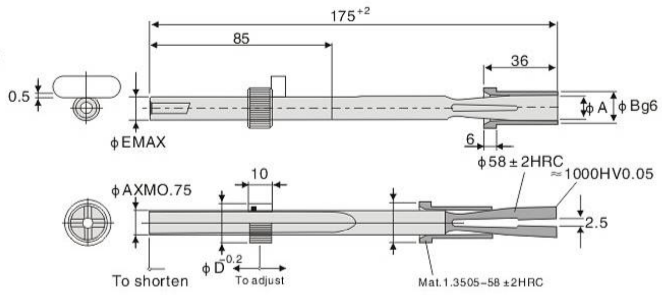
其功能和彈弓針BT013一樣，衹是從底部釋放彈性更小一些，安裝容易，
僅衹有一個安裝孔，高度容易調節，允許較小的加工誤差。
It's function is same as sling ejector pin BT013,just the released elasticity is smaller from its bottom,easy to installed,just has only one installation aperture,The height is easy to adjust,with smaller process tolerance.

Material M 材質	Hardness 硬度
1.2101	HRC45° ±3°

Type	尺寸/dimention
	A
JHN05-1	4
JHN05-2	5

使用例Example





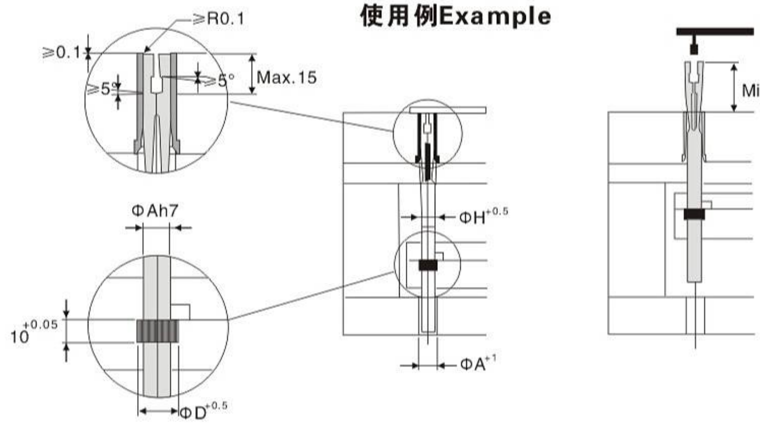
應用于底部釋放較小的彈性，頂出高度能預先調節，產品容易安裝，安裝與分型面成90度。
Apply to release elasticity from bottom,the ejector device can adjust to required eject height in advance.Easy to install,and keep 90° with the devided surface when install it.

Material M 材質	Hardness H硬度
1.2101	HRC45°±3°

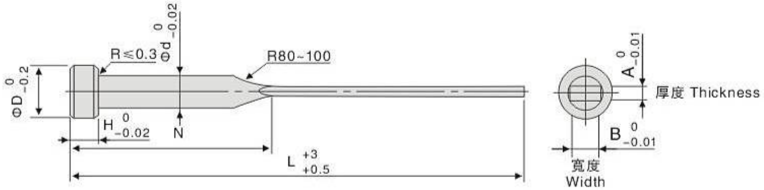
Type	尺寸/dimention					
	A	B	C	D	E	H
JHN06-1	6	10	12	12	-	9
JHN06-2	8	12	14	14	2	11
JHN06-3	10	14	16	16	3	13
JHN06-4	12	16	18	18	4	15

以上非標長度在275~350mm之間。
Special products'length are between 275~350mm.

使用例Example



扁梢 SKD-61 RECTANGULAR EJECTOR PIN



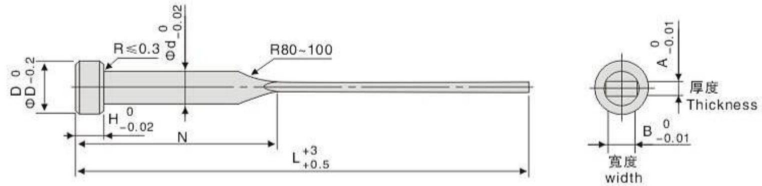
M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed

D	H	Catalog No. Type	d	L 100	150	200	250	300
6	4	JH006	2					
			2.5					
			3					
7			3.5					
8	6		4					
			4.5					
9			5					
10			5.5					
			6					
			6.5					
11			7					
13	8		8					
14			9					
15			10					
16			11					
17			12					

●Order：Catalog No. D × H × d × B × A × L × N

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購50衹以上價格另議。
Remark:1.Special product is available.
2.Price is negotiable if quantity of each size is more than 50 in one order.

扁梢 SKH-51 RECTANGULAR EJECTOR PIN



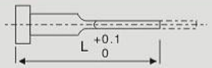
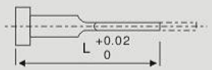
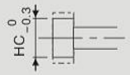
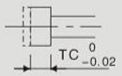
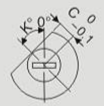
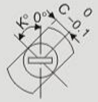
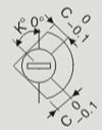
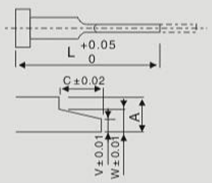
M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKH51	HRC58°~60°	HRC58°~60°	真空處理 Vacuumed

D	H	Catalog No. Type	d	L 100	150	200	250	300
4	4	JH007	2					
5			2.5					
6			3					
7	4 (6)		3.5					
			4					
9			4.5					
			5					
10			5.5					
			6					
11			6.5					
			7					
13	4 (8)		8					
14			9					
15			10					
16			11					
17			12					

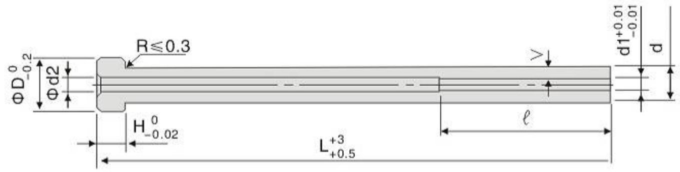
●Order：Catalog No. D × H × d × B × A × L × N

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購50衹以上價格另議。
Remark:1.Special product is available.
2.Price is negotiable if quantity of each size is more than 50 in one order.

扁梢追加工圖要 RECTANGULAR EJECTOR PIN PROCESS DRAWINGS

OPTION	CODE	SPEC
	LC	LC=0.1mm unit
	LG	LG=0.1mm unit
	HC	HC=0.1mm unit D+1　HC<H
	TC	TC=0.1mm unit T/2　TC<T
	ASC	C=0.01mm unit K=1°　unit C≥D/2
	AWC	C=0.01mm unit K=1°　unit C≥D/2
	ARC	C=0.01mm unit K=1°　unit C≥D/2
	PSK	V=0.01mm unit W=0.01mm unit C=0.01mm unit K=1°　unit 5≤C≤100 1≤V≤W V≥C/20 W<A

單節射梢套筒 STRAIGHT EJECTOR SLEEVE PINS



M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
FDAC	HRC38°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed

d	容許差 Tolerance	D	容許差 Tolerance	Catalog No. Type	d1	容許差 Tolerance	H	容許差 Tolerance
4	-0.01 -0.02	8	0 -0.2	JH008	1.5~2	+0.01 -0.01	6	0 -0.02
4.5					2~3			
5		9			2~3.5			
6		10			2~4.5			
6.5					2~5	+0.01 -0.01		
7		11			2~5.5			
8		13			2~6.5		8	
9	-0.015 -0.025	14			2~7.5			
10		15			2~8			
12		17			2~10			
13		18			內孔尺寸2mm以上任意指定	+0.015 -0.010		0 -0.03
14		19						
15		20						
16		21						
20		25					8~12	
25		30					8~12	
30		35					8~12	

●Order：Catalog No. D × H × d × d1 × L

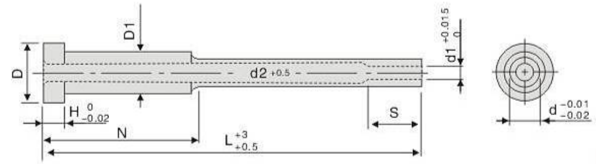
備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購50袛以上價格另議。
3.長度指定切短少于5m/m。

Remark: 1.Special product is available.
2.Price is negotiable if quantity of each size is more than 50 in one order.
3.Length appointed be cut less than 5mm.

d	d1	L																			
		75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	700	800	900	1000
2.5	1~1.2																				
3	1.3~1.6																				
3.5	1.6~1.9																				
3.5	2,2.2																				
4	2,2.5																				
5	2.5,3																				
6	3,3.5																				
7	3.5,4																				
8	3.5,4,5																				
9	4,5,6																				
10	4,5,6																				
12	5,6,8																				
13	5,6,8,10																				
14	5,6,8,10																				
15	5,6,8,10																				
16	6,8,10,12																				
20	8,10,12,16																				
25	10,12,16																				
30	10,12,16,20																				

備注：1.目錄標示之價格，如V部單壁薄小于0.7mm，內孔小于2mm,則另行報價。
2.目錄上所標d1處尺寸在1.9以內，其內孔 e 部在20mm以內爲基礎。
3.內孔在2mm以內請預留長度1mm以內，內孔2mm以上請預留長度3mm以內

Remark:1.If the ply of"V"part is below 0.7mm,"d1"is below 2mm,the price will be additional price.
2."e"Part is beloco 20mm base on "d1"below 1.9.
3.Please setaside below 1mm's length when"d1"is below 2mm,set aside below 3mm's length when"d1"is above 2mm.



M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
FDAC	HRC38°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed

d1	容許差 Tolerance	d	容許差 Tolerance	Catalog No. Type	D1	容許差 Tolerance	D	容許差 Tolerance	H	容許差 Tolerance	N
1.5	+0.01 0	2	-0.01 -0.02	JH009	3.5	-0.01 -0.02	7	0 -0.3	4	0 -0.02	N部指定長度 0 -3 N part appointed
2		2.5			4		8		6		
2		3			5		9				
2.5~2	+0.015 0	3.5			6		10				
2.5~2		4			7		11				
3	+0.01 +0.22	4.5			8		13		8		
2		5			9		14				
3.5~3		6			10		15				
3~4		8			12		17				
3~5		8			13		18				
4~6		10			14		19				
4~8		10			15		20				
4~8		12			16		21				
內徑尺寸可任意指定內外徑全研磨同心度0.01以內					20		25		8~12	0 -0.3	
					25		30				
					30		35				

●Order：Catalog No. D1 × d × d1 × L × N

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購50祇以上價格另議。
3.長度指定切短少于10m/m。

Remark:1.Special product is available.
2.Price is negotiable if quantity of each size is more than 50 in one order.
3.Length appointed be cut less than 10mm.

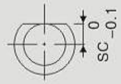
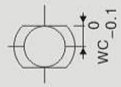
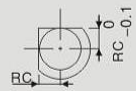
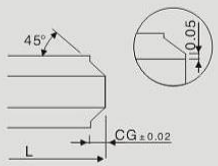
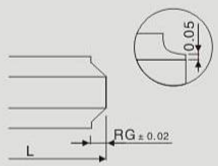
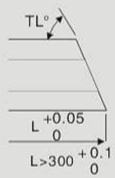
雙節射梢套筒 STRAIGHT EJECTOR SLEEVE PINS

D1	d	d1	L																		
			100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	700	800	900	1000
3.5	2	1.2~1.4																			
4	2.5	1.5~2.0																			
5	3	1.5~2																			
6	3.5	2.5~2																			
7	4	2.5~2																			
8	4.5	3~2																			
9	5	3.5~3																			
10	6	3~4																			
12	8	3~5																			
13	8	3~5																			
14	10	4~6																			
15	10	4~8																			
16	12	4~8																			
20																					
25																					
30																					

司筒追加工圖要 EJECTOR SLEEVE PROCESS DRAWINGS

锦鸿

塑膠模用 Plastic mold accessories

OPTION	CODE	SPEC.
	SC	SC=0.005mm unit P/2 (D/2)≤SC<H/2
	WC	WC=0.005mm unit P/2 (D/2)≤WC<H/2
	RC	RC=0.005mm unit P/2 (D/2)≤RC<H/2
	CG	CG=0.1mm unit 0.2≤CG<3
	RG	RG=0.1mm unit 0.2≤RG<3
	TL	TL=1° unit 45≤TL>90
	GN	M=0.5mm unit ℓ =0.1mm unit 1≤M≤3 ℓ≥5

异形鑲件

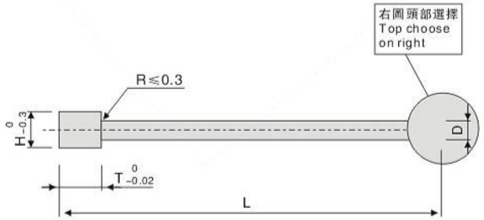
异形鑲件

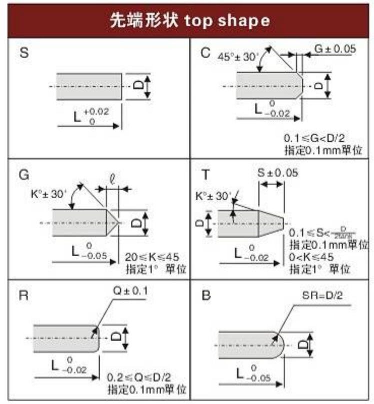
筆模鑲件

磨牙鑲件

滑針套

直式銷-先端自由選定 STRAIGHT CORE PINS -TOP CHOOSE FREE





M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed
SKH51	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed
SKD11	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed

Type	先端形狀 Top shape	D 公差 Tolerance
JH010-1	S C G T R B	+0.01 −0.02
JH010-2		0 −0.005

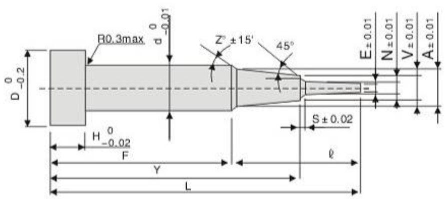
Catalog No.			Appoint 0.01mm unit		Appoint 0.1mm unit
Type	先端形狀 Top shape	H	L	D	T
JH010-1 JH010-2	S C G T R B	5	12.00~100.00	2.00~3.00	2.0~20.0 T≤L-10
		6		2.50~4.00	
		7		3.00~5.00	
		8		4.00~6.00	
		9		4.00~7.00	
		10		5.00~8.00	
		11		6.00~9.00	
		12		7.00~10.00	
		13		8.00~11.00	
		15		10.00~13.00	

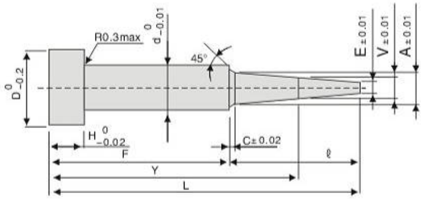
●Order：Catalog No. D×T×A×E×先端寸法 Top size (K・S・G・Q)

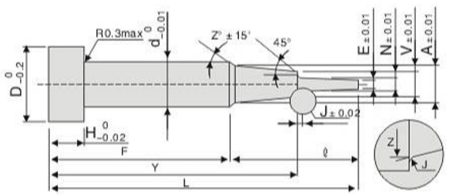
備注：1.圖面以外之特規格可定制。
Remark:Special product is available.

心型梢/各種訂制品 COREPINS/FORMED CORE PINS

塑膠模用 Plastic mold accessories







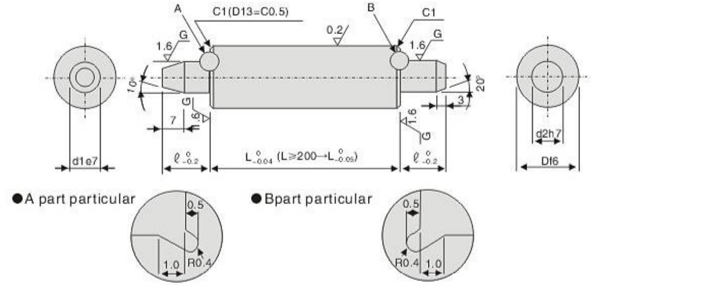
備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

射出導引銷 EJECTOR LEADER PINS

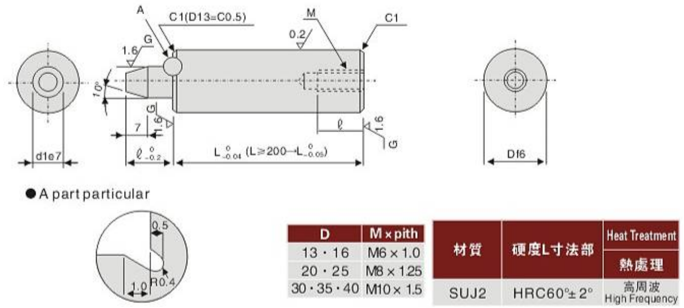
錦鴻 JH

塑膠模用 Plastic mold accessories

JH011-1



JH011-2



D	M×pith
13・16	M6×1.0
20・25	M8×1.25
30・35・40	M10×1.5

材質	硬度L寸法部	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High Frequency

Df6		d1e7		d2h7		ℓ	Catalog No. Type	D	L Appoint 5mm unit
13	-0.016 -0.027	8	-0.025 -0.040	8	0 -0.015	12	JH011-1 JH011-2	13	40~95 100~125 130~150
16		10		10		15		16	50~95 100~125 130~150
20	-0.020 -0.033							20	50~95 100~125 130~150
25								25	50~95 100~125 130~150
30		20	-0.040 -0.061	20	0 -0.021	20		30	50~125 130~155 160~200 205~230 235~260 265~300
35	-0.025 -0.041							35	50~125 130~155 160~200 205~230 235~260 265~300
40								40	90~125 130~155 160~200 205~230 235~260 265~300
50								(50)	90~125 130~155 160~200 205~230 235~260 265~300

備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

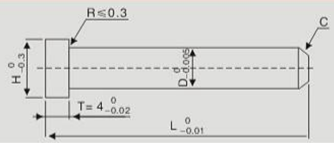
前端加工直式銷 TOPPROCESS STRAIGHT CORE PINS

M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed
SKH51	HRC60°± 2°	HRC60°± 2°	真空處理 Vacuumed

材質	Catalog No. Type	先端形狀 Top shape
SKD61	JH012-1	C, G, T, R, B
SKH51	JH012-2	

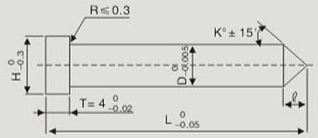
先端形狀 Top shape

C



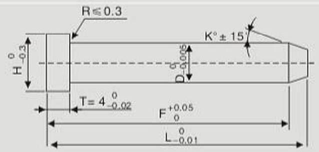
C···Appoin 0.1mm unit

G



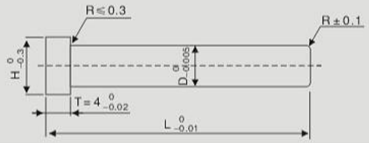
K···Appoin1° unit

T



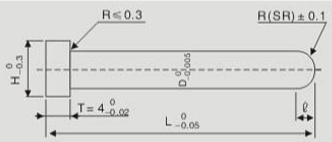
F···Appoin1 0.01mm unit K···Appoin 1° unit

R



R···Appoin 0.1mm unit

B



R···Appoin 0.1mm unit

備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

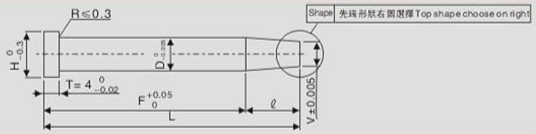
一段型直式銷(精度 $_{-0.005}^{0}$)

M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed
SKH51	HRC60°± 2°	HRC60°± 2°	真空處理 Vacuumed

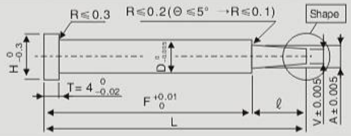
材質	Catalog No. Type	Step	先端形狀 Top shape
SKD61	JH013-1	1A	C
		1B	G
		1C	T
SKH51	JH013-2	1D	R
		1E	B

形狀下圖選擇 shape choose

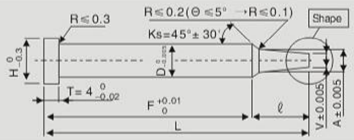
1A



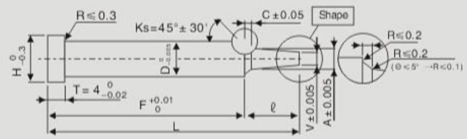
1B



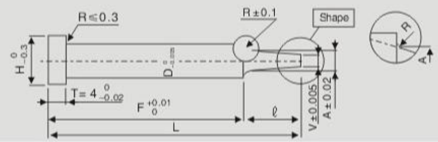
1C



1D

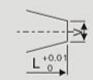


1E

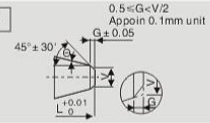


先端形狀:V先端加工前寸法 Top shape:V top process

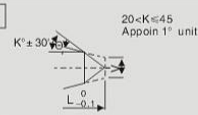
(先端加工 Top process)



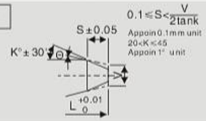
C



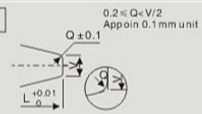
G



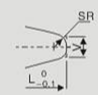
T



R



B



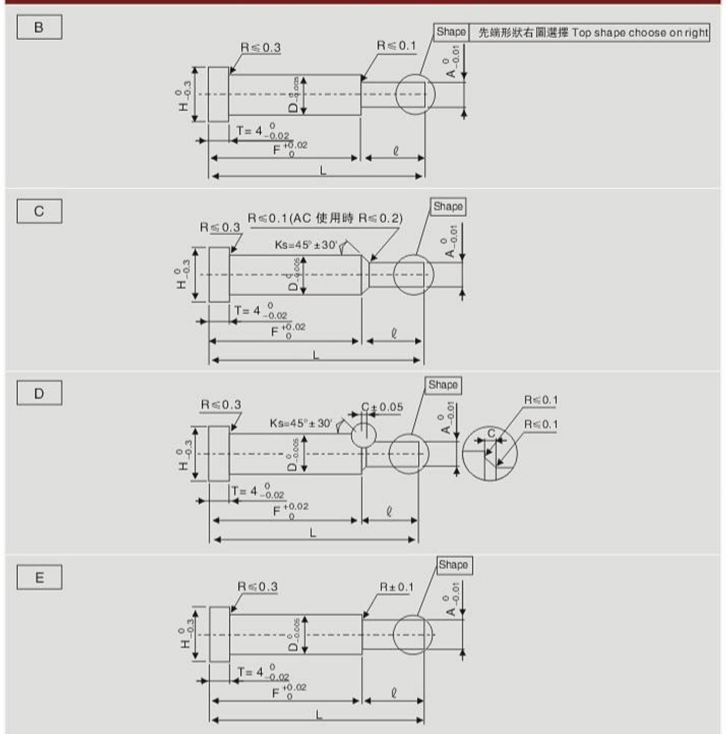
備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

無斜度一段式圓形銷 PITCHLESS CORE PINS

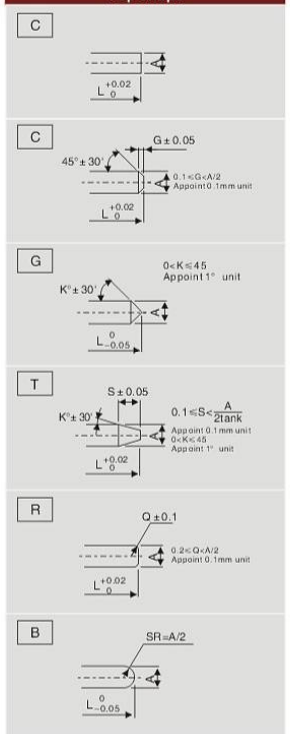
M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed
SKH51	HRC60°± 2°	HRC60°± 2°	真空處理 Vacuumed

M材質	Catalog No. Type	Step	先端形狀 Top shape
SKD61	JH014-1	B C D E	S C G T R B
SKH51	JH014-2		

形狀下圖選擇 shape choose



先端形狀 Top shape



備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

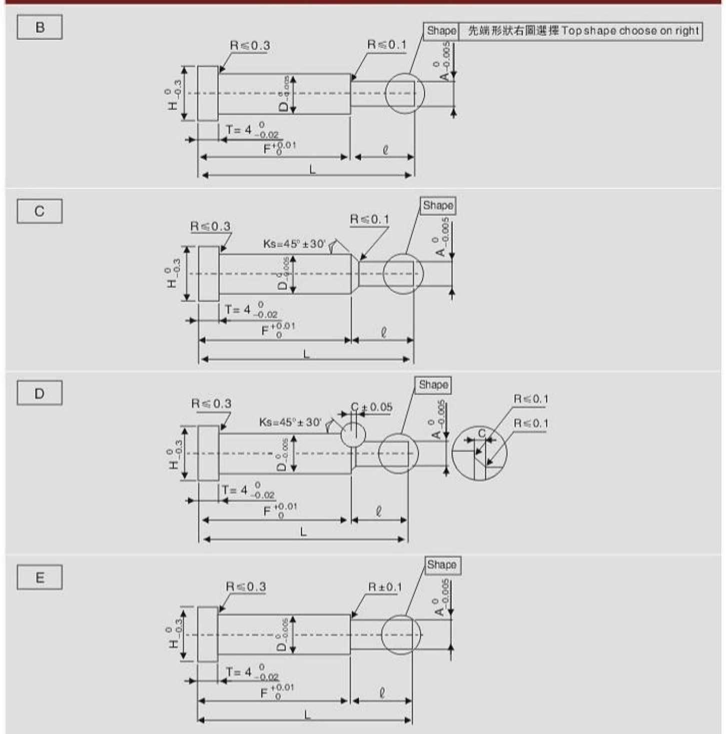
無斜度一段式圓形銷 (精度 $^{0}_{-0.005}$) PITCHLESS CORE PINS

錦鴻 JH

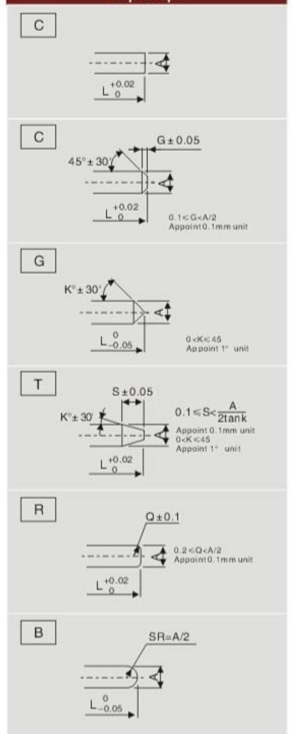
M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKD61	HRC43°± 2°	HV1000°± 100°	氮化處理 Nitrided
	HRC52°± 2°	HRC52°± 2°	真空處理 Vacuumed
SKH51	HRC60°± 2°	HRC60°± 2°	真空處理 Vacuumed

M材質	Catalog No. Type	Step	先端形狀 Top shape
SKD61	JH015-1	B C D E	S C G T R B
SKH51	JH015-2		

形狀下圖選擇 Shape choose



先端形狀 Top shape

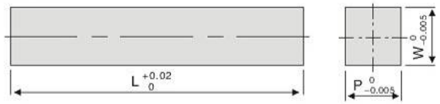


備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

方形梢 BLOCK CORE PINS-STRAIGHT TYPE/FLANGE TYPE

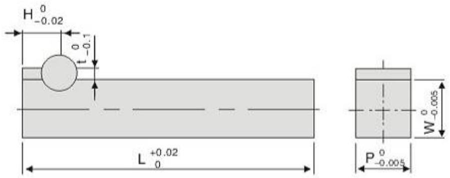
直式 straight type

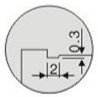
JH016-1



凸緣式 Flange type

JH016-2





M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
SKH51	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed

直式 straight type

Catalog No.	Appoint 0.01mm 單位 unit		
	L	P	W
JH016-1	10.00~*70.00	1.00~1.99	1.00~10.00
		2.00~10.00	1.00~20.00
		10.01~20.00	2.00~20.00

*P<2.00→L≤50.00 W<2.00→L≤50.00

凸緣式 Flange type

H	t	Catalog No.	Appoint 0.01mm單位 unit		
			L	P	W
4	1.5	JH016-2	10.00~*70.00	1.00~1.99	1.00~10.00
				2.00~10.00	1.00~20.00
				10.01~20.00	2.00~20.00

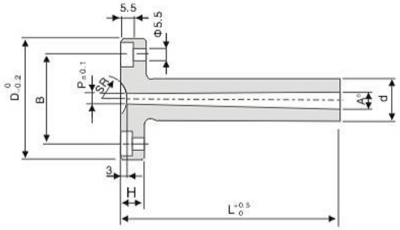
*P<2.00→L≤50.00 W<2.00→L≤50.00

●Order: Catalog No. L × P × W

備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

灌嘴定位圈

A型灌嘴 SPRUE BUSHING A TYPE



M材質	Inner Hardness I.H内部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
S45C	SR部HRC50° ~55°		局部處理 Partial
SKD11	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed
SKD61	HRC36°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed

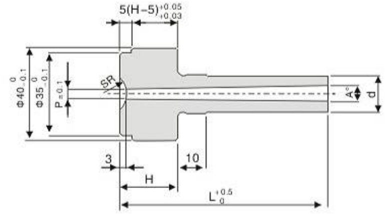
d	B	采購代號 Catalog No. 代號 Type	D	容許差 Tolerance	H	L Appoint 0.01mm unit	SR	P	A
35	25	JH025	12	0 −0.009	10	0~100.0	0 11 12 13	3.0 3.5 4.0 4.5 5.0	1° 2° 3°
			16	0 −0.011	15				
			20		20				
50	36		16	0 −0.013	10	0~150.0	0 11 12 13 16		
			20		15	0~180.0			
			25		20	0~200.0			

●Order: Catalog No. D×d×L×SR×P×A×H

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

B型灌嘴 SPRUE BUSHING B TYPE

锦鸿 JH

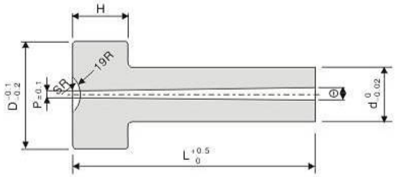


M材質	Inner Hardness I.H内部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
S45C	SR部HRC50° ~55°		局部處理 Partial
SKD11	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed
SKD61	HRC36°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed

	H	Catalog No. Type	d	dh6	L Appint 0.01mm unit	SR	P	A
40	20	JH026	16	0 −0.011	0~150.0	0 11 12 13 16 20 21	3.0 3.5 4.0 4.5 5.0	1° 2° 3° 4°
	25							
	30							
	20		20	0 −0.013				
	25							
	30							

●Order: Catalog No. H× d× L× SR× P× A

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.



M材質	Inner Hardness I.H內部硬度	Surface Hardness S.H表面硬度	Heat Treatment 熱處理
S45C	SR部HRC50° ~55°		局部處理 Partial
SKD11	HRC60°±2°	HRC60°±2°	真空處理 Vacuumed
SKD61	HRC36°±2°	HV1000°±100°	氮化處理 Nitrided
	HRC52°±2°	HRC52°±2°	真空處理 Vacuumed

D	H	Catalog No. Type	d	L Appint 0.01mm unit	SR	P	A
25	15	JH027	12	0~150.0	0	3.0	1°
30					11	3.5	2°
			16		12	4.0	3°
35					13	4.5	
	20		20		16	5.0	4°

A、B、C型澆嘴價目表 A.B.Ctype sprue bushing price list

此價格表爲S45C之價格，SKD11或SKD61材質需另行報價
This pricelist is for S45C, if need SKD11 or SKD61 will be additional price

D	d	L 40	50	60	70	80	90	100	110	120	130	140	150
25	12												
	16												
30	12												
	16												
	20												
35	16												
	20												
50	16												
	20												
	25												

●Order：Catalog No. d × D × L

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

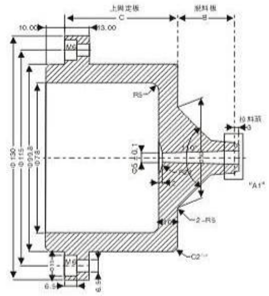
小水口標準特殊注口襯套(Φ100)

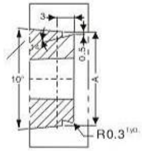
Small water spigot standard special sprue bushing(Φ100)

JH028-1

説明Denote:
一、適用成型機規格：90T~450T噴嘴機械孔(Φ100)
二、適用于小水口標準模胚系列
三、優點介紹：
1).定位環與灌嘴保證同心，射出噴嘴决不漏料；
2).有效減短料頭長度，降低廢料成本，且利于成型；
3).采用標準化設計制造，交貨迅速，經濟實用；
4).使用材質：鉻鋼；
5).可依模具實際規格及特殊要求量身定做。
四、標準規格及價目對照表：(右表所示)

一、Apply to machine's specification:90T~450T(Φ100)
二、Apply to small water spigot standard mold embryo.
三、Merit:
1).Locating ring and sprue bushing concentric,do not leak material when ejecting.
2).Can reduce material head's length and reduce cost efficacious,and be propitious to molding.
3).Adopt standard design manufacture,delivery ontime,economic and with practicability.
4).Material:Nobelium steel.
5).Special produt is available per the mold's specification.
四、Standard specification and price list:(as list on right)





	A	B	C	單價
GS系列	Φ12	20	30	
			35	
			45	
		25	30	
			35	
			45	
		30	30	
			35	
			45	
	Φ16	25	35	
			45	
			50	
		30	35	
			45	
			50	
		35	35	
			45	
			50	
	Φ20	30	45	
			50	
			60	
		35	45	
			50	
			60	
		40	45	
			50	
			60	

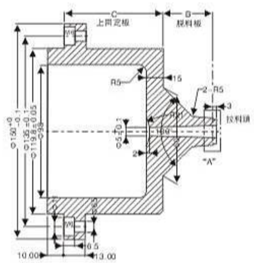
小水口標準特殊注口襯套(Φ120)

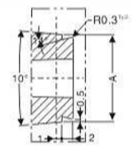
Small water spigot standard special sprue bushing(Φ100)

JH028-2

説明Denote：
一、適用成型機規格：450T~1000T噴嘴機械孔(Φ120)
二、適用于小水口標準模胚系列
三、優點介紹：
1).定位環與灌嘴保證同心，射出噴嘴决不漏料；
2).有效減短料頭長度，降低廢料成本，且利于成型；
3).采用標準化設計制造，交貨迅速，經濟實用；
4).使用材質：鉻鋼；
5).可依模具實際規格及特殊要求量身定做。
四、標準規格及價目對照表：(右表所示)

Denote:
一、Apply to machine's specification:450T~1000T(Φ120)
二、Apply to small water spigot standard mold embryo.
三、Merit:
1).Locating ring and sprue bushing concentric,do not leak material when ejecting.
2).Can reduce material head's length and reduce cost efficacious,and be propitious to molding.
3).Adopt standard design manufacture,delivery ontime,economic and with practicability.
4).Material:Nobelium steel.
5).Special product is available per the mold's specification.
四、Standard specification and price list:(as list on right)



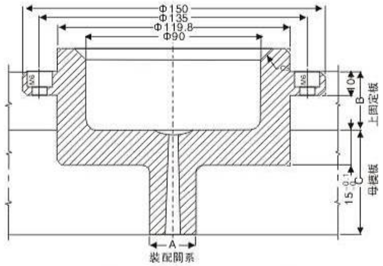


	A	B	C	單價
GL系列	Φ16	40	60	
			80	
			100	
		50	60	
			80	
			100	
		60	60	
			80	
			100	
	Φ20	40	60	
			80	
			100	
		50	60	
			80	
			100	
		60	60	
			80	
			100	
	Φ25	40	60	
			80	
			100	
		50	60	
			80	
			100	
		60	60	
			80	
			100	

大水口標準特殊注口襯套(Φ120)

Big water spigot standard special sprue bushing(Φ120)

JH029-1



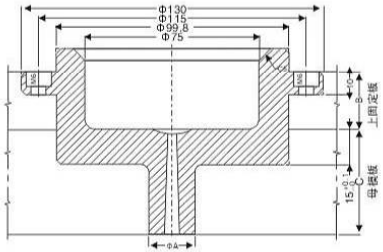
説明Denote:
一、適用成型機規格：450T~1000T噴嘴機械孔(Φ120)
二、適用于大水口標準模胚系列
三、優點介紹：
1).定位環與灌嘴保證同心，射出噴嘴决不漏料；
2).有效減短料頭長度，降低廢料成本，且利于成型；
3).采用標準化設計制造，交貨迅速，經濟實用；
4).使用材質：鉻鋼；
5).可依模具實際規格及特殊要求量身定做。
四、標準規格及價目對照表：(右表所示)
一、Apply to machine's specification：450T~1000T(Φ120)
二、Apply to big water spigot standard mold embryo.
三、Merit:
1).Locating ring and sprue bushing concentric.do not leak material when ejecting.
2).Can reduce material head's length and reduce cost efficacious,and be propitious to molding.
3).Adopt standard design manufacture,delivery ontime, economic and wieh practicabrlity.
4).Material:Nobelium steel.
5).Special product is available per the mold's specification.
四、Standard specification and price list:(as list on right)

A	B	C	單價 Price	A	B	C	單價 Price
		50				50	
		75				75	
Φ16~20	50/60	100		Φ25	50/60	100	
		125				125	
		150				150	
		50				50	
		75				75	
Φ20~25	50/60	100		Φ30	50/60	100	
		125				125	
		150				150	

大水口標準特殊注口襯套(Φ100)

Big water spigot standard special sprue bushing(Φ100)

JH029-2



説明Denote:
一、適用成型機規格：90T~450T噴嘴機械孔(Φ100)
二、適用于二板模標準模胚系列
三、優點介紹：
1).定位環與灌嘴保證同心，射出噴嘴决不漏料；
2).有效減短料頭長度，降低廢料成本，且利于成型；
3).采用標準化設計制造，交貨迅速，經濟實用；
4).使用材質：鉻鋼；
5).可依模具實際規格及特殊要求量身定做。
四、標準規格及價目對照表：(右表所示)
一、Apply to machine's specification：90T~450T(Φ100)
二、Apply to two plate mold standard embryo.
三、Merit:
1).Locating ring and sprue bushing concentric.do not leakmaterial when ejecting.
2).Can reduce material head's length and reduce cost efficacious,and be propitious to molding.
3).Adopt standard design manufacture,delivery ontime, economic and with practicabrlity.
4).Material:Nobelium steel.
5).Special product is available per the mold's specification.
四、Standard specification and price list:(as list on right)

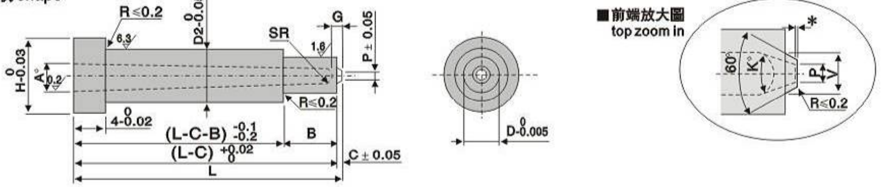
A	B	C	單價 Price	A	B	C	單價 Price
		50				50	
		75				75	
Φ12~16	25/30	100		Φ20	30/35	100	
		125				125	
		150				150	
		50				50	
		75				75	
Φ16~20	25/30	100		Φ25	30/35	100	
		125				125	
		150				150	

JHN07

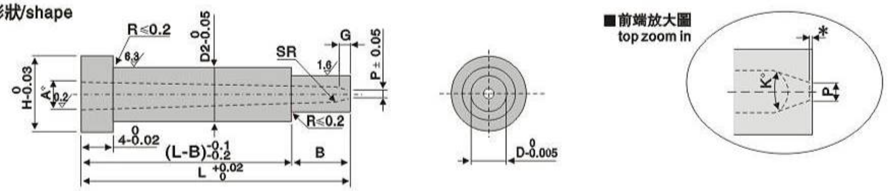
- *P尺寸端部有0~0.2的直段
- Sr部放電精加工
- D與P的偏心0.05以下
- D與V的偏心0.05以下
- At the top of “P” has 0~0.2’s straight.
- SR part discharge process.
- D and P’s eccentricity below 0.05.
- D and V’s eccentricity below 0.05.

Material M材質	Hardness 硬度
SKH-51	HRC59°~61°

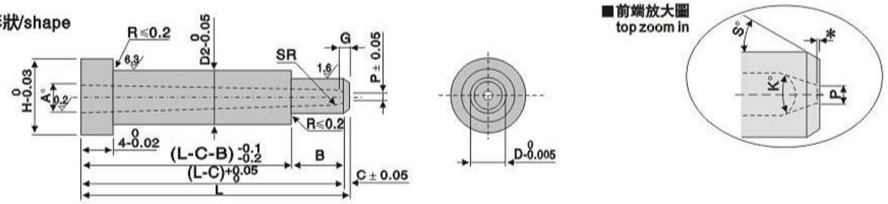
1A形狀/shape



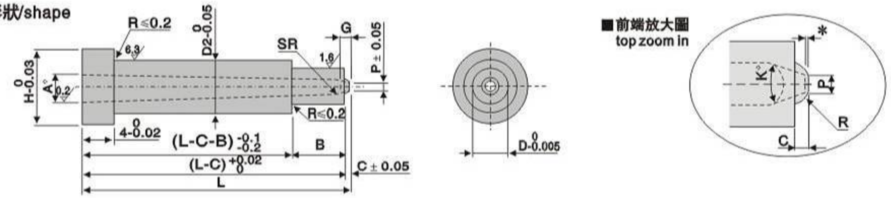
2A形狀/shape



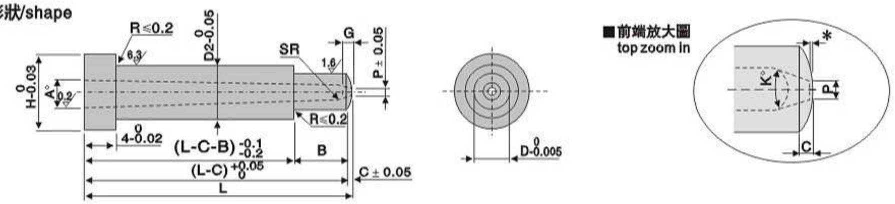
3A形狀/shape



4A形狀/shape



5A形狀/shape

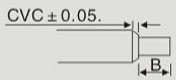


帶肩點式澆口套/Shoulder sprue bushing SKH51 B尺寸固定式/B part size frxed

Catalog No. Type	Shape	D	0.01mm unit L	P	A°	K°	沒有2A形狀 Without 2A 0.1mm unit C	僅有1A形狀 Only 1A 0.1mm unit V	僅有3A形狀 Only 3A 1° unit S°	僅有4A形狀 Only 4A 0.1mm unit R	H	D_2	G	B	SR
JHN07	1A 2A 3A 4A 5A	3	30.00~40.00	0.5 0.6 0.8	1 2 3	20 30	0.3~0.8	2.0~2.9	1~45	0.8~1.5	8	5	1.2	6	1.00
		4		0.6				2.5~3.9			9	6			1.00
				0.8 1.0											1.25
		5	30.00~60.00	0.8 1.0			0.5~1.5	3.5~4.9		1.0~2.0	11	8			1.25
				1.2											1.50
		6		1.0				4.0~5.9	1~50	1.5~3.0	12	9	1.5	10	1.25
				1.2 1.4											1.50
		8		1.2 1.4				4.5~7.9	1~50	2.0~4.0	14	11			1.50
				1.6											2.00

●C尺寸僅1A 3A 4A 5A形狀有，V尺寸僅1A形狀有，S角度僅3A形狀有,R尺寸僅4A形狀有。
C size only for 1A 3A 5A,V size only for 1A,S angle for 3A,R size only for 4A.

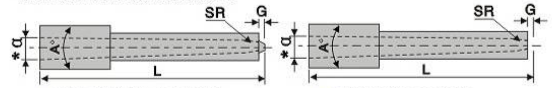
Catalog No. Type	D	L	@/P(1~4P) 1A	2A	3A	4A	5A
JHN07	3	30.00~40.00	16,150	14,730	15,010	16,150	16,150
	4	30.00~40.00	17,010	15,580	15,870	17,010	17,010
	5	30.00~40.00	15,390	13,970	14,250	15,390	15,390
		40.01~60.00	15,770	14,350	14,630	15,770	15,770
	6	30.00~40.00	15,390	13,970	14,250	15,390	15,390
		40.01~60.00	15,770	14,350	14,630	15,770	15,770
	8	30.00~40.00	15,680	14,250	14,540	15,680	15,680
		40.01~60.00	16,150	14,730	15,010	16,150	16,150

Add.	Code	Spec.		@/P
	CC	倒角加工 chamfer process		300
	CVC	倒角加工 chamfer process $0.2 \leq CVC < \frac{(D2-D)}{2} -0.1$	CVC=0.1mm unit	1,000

JHN08

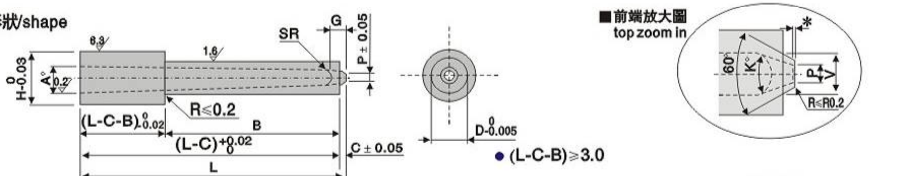
Material M材質	Hardness 硬度
SKH-51	HRC59°~61°

■入口直徑＊α的計算式 $*\alpha=2SR+2(L-G-SR)\tan\frac{A}{2}$
formula of entrance diameter*a



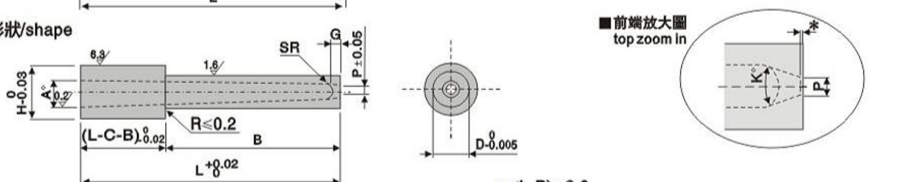
- ＊P尺寸端部有0~0.2 的直段
- SR部放電精加工
- At the top of “P” has 0~0.2's straight.
- SR part discharge process.
- D與P的偏心0.05以下
- D與V的偏心0.05以下
- D and P's eccentricity below 0.05.
- D and V's eccentricity below 0.05.

1A形狀/shape



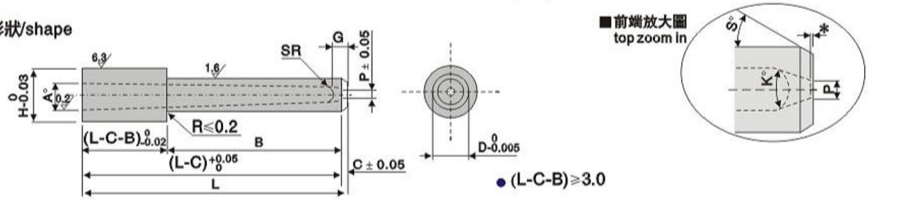
● (L-C-B)≥3.0

2A形狀/shape



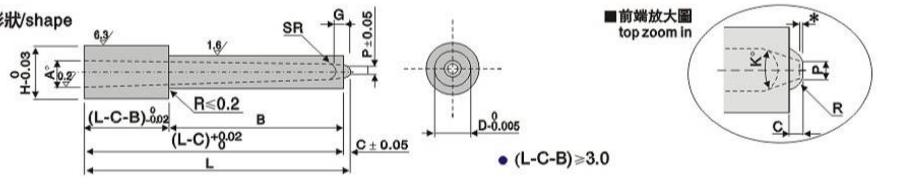
● (L-B)≥3.0

3A形狀/shape



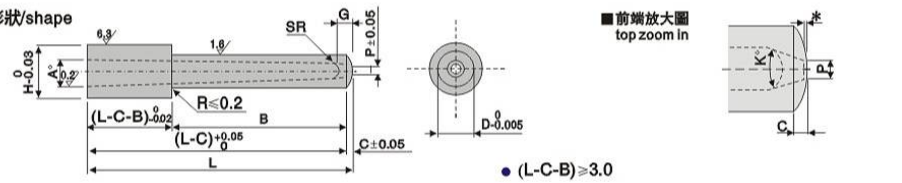
● (L-C-B)≥3.0

4A形狀/shape



● (L-C-B)≥3.0

5A形狀/shape



● (L-C-B)≥3.0

點式澆口套-SKH-51- POINT SPRUE BUSHING

Catalog No. Type	Shape	D	0.01mm unit L	P	A°	K°	B 不需給定 No need unit BT037-1	B 0.01mm unit BT037-2	没有2A形狀 Without2A 0.1mm unit C	僅有1A形狀 Only 1A 0.1mm unit V	僅有3A形狀 Only 3A 1° 1° unit S°	僅有4A形狀 Only 4A 0.1mm unit R	H	G	SR
B尺寸固定型 B size fixed JHN08-1 / B尺寸給定型 B size appoinied JHN08-2	1A	2	6.00-20.00	0.3 0.4	1 2 3	20	3	3.00-5.00	0.2-0.4	1.3-1.9	1-45	0.4-0.8	3	0.7	0.60
	1A	2.5	8.00-25.00	0.3 0.4 0.5	1 2 3	20	4	4.00-6.00	0.2-0.5	1.5-2.4	1-45	0.6-1.0	4	1	0.75
		3	10.00-40.00	0.5 0.6 0.8	1 2 3	20	6	6.00-9.00 / 6.00-8.00 / 6.00-7.00	0.3-0.8	2.0-2.9	1-45	0.8-1.5	5	1.2	1.00
	2A	4	10.00-40.00	0.6	1 2 3	20	6	6.00-30.00 / 6.00-20.00	0.3-0.8	2.5-3.9	1-45	0.8-1.5	6	1.2	1.00
		4	10.00-40.00	0.8 1.0	1 2 3	20	6	6.00-30.00 / 6.00-20.00	0.3-0.8	2.5-3.9	1-45	0.8-1.5	6	1.2	1.25
	3A	5	15.00-60.00	0.8 1.0	1 2 3	30	10	6.00-35.00 / 6.00-30.00	0.5-1.5	3.5-4.9	1-45	1.0-2.0	8	1.5	1.25
		5	15.00-60.00	1.2	1 2 3	30	10	6.00-30.00 / 6.00-20.00	0.5-1.5	3.5-4.9	1-45	1.0-2.0	8	1.5	1.50
	4A	6	15.00-60.00	1.0	1 2 3	30	10	6.00-50.00 / 6.00-40.00	0.5-1.5	4.0-5.9	1-50	1.5-3.0	9	1.5	1.25
		6	15.00-60.00	1.2 1.4	1 2 3	30	10	6.00-40.00 / 6.00-30.00	0.5-1.5	4.0-5.9	1-50	1.5-3.0	9	1.5	1.50
	5A	8	15.00-60.00	1.2 1.4	1 2 3	30	10	6.00-50.00	0.5-1.5	4.5-7.9	1-60	2.0-4.0	11	1.5	1.50
		8	15.00-60.00	1.6	1 2 3	30	10	6.00-50.00	0.5-1.5	4.5-7.9	1-60	2.0-4.0	11	1.5	2.00

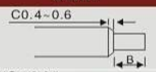
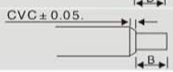
C尺寸僅1A 3A 4A 5A形狀有，V尺寸僅1A形狀有，S角度僅3A形狀有，R尺寸僅4A形狀有。
BT037-2時：（L-C-B）≥3.0 2A形狀時（L-B）≥3.0。
C size only for 3A 4A 5A，V size only for 1A，S angle only for 3A，R size only for 4A.
BT037-2：(L-C-B)≥3.0 2A(L-B)≥3.0 .

B尺寸固定型/B size fixed

Catalog No. Type	D	L	@/P(1-4P) 1A	2A	3A	4A	5A
JHN08-1	2	6.00-20.00	18,720	17,290	17,580	18,720	18,720
	2.5	8.00-25.00	18,720	17,290	17,580	18,720	18,720
	3	10.00-25.00	13,110	11,690	11,970	13,110	13,110
		25.01-40.00	14,060	12,640	12,920	14,060	14,060
	4	10.00-25.00	13,400	11,970	12,260	13,400	13,400
		25.01-40.00	14,160	12,730	13,020	14,160	14,160
	5	15.00-25.00	12,830	11,400	11,690	12,830	12,830
		25.01-40.00	13,400	11,970	12,260	13,400	13,400
		40.01-60.00	14,160	12,730	13,020	14,160	14,160
	6	15.00-25.00	12,830	11,400	11,690	12,830	12,830
		25.01-40.00	13,400	11,970	12,260	13,400	13,400
		40.01-60.00	14,160	12,730	13,020	14,160	14,160
	8	15.00-25.00	13,020	11,590	11,880	13,020	13,020
		25.01-40.00	13,680	12,260	12,540	13,680	13,680
		40.01-60.00	14,540	13,110	13,400	14,540	14,540

B尺寸給定型/B size appointed

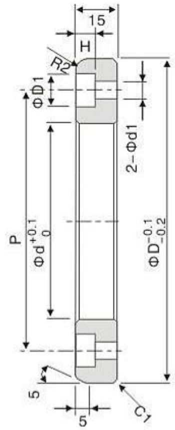
Catalog No. Type	D	L	@/P(1-4P) 1A	2A	3A	4A	5A
JHN08-2	2	6.00-20.00	20,430	19,000	19,290	20,430	20,430
	2.5	8.00-25.00	20,430	19,000	19,290	20,430	20,430
	3	10.00-25.00	14,250	12,830	13,110	14,250	14,250
		25.01-40.00	15,300	13,870	14,160	15,300	15,300
	4	10.00-25.00	14,630	13,210	13,490	14,630	14,630
		25.01-40.00	15,390	13,970	14250	15,390	15,390
	5	15.00-25.00	13,970	12,540	12,830	13,970	13970
		25.01-40.00	14,630	13,210	13,490	14,630	14,630
		40.01-60.00	15,390	13,970	12,250	15,390	15,390
	6	15.00-25.00	13,970	12,540	12,830	13,970	13,970
		25.01-40.00	14,630	13,210	13,490	14,630	14,630
		40.01-60.00	15,390	13,970	14,250	15,390	15,390
	8	15.00-25.00	14,160	12,730	13,020	14,160	14,160
		25.01-40.00	14,920	13,490	13,780	14,920	14,920
		40.01-60.00	15,870	14,440	14,730	15,870	15,870

Add.	Code	Spec.	@/P
	CC	倒角加工/chamfer process D2・2.5時倒角爲C0.2-0.4 D2・2.5chamfer C0.2-0.4	300
	CVC	倒角加工/chamfer process CVC=0.1mm unit $0.2 \leq CVC < \frac{(H-D)}{2} - 0.1$	1000

定位圈A型 LOCATING RINGS

锦鸿 JH

A型



M材質	Hardness 硬度	Heat Treatment 熱處理
S45C	30°	淬火處理 Quencher

Catalog No. Type	D	d	d 1	D 1	H	P	單價/Price RMB
JH032	60	36	4.5	7.3	4.5	48	
	100	70	7	11	7	85	
	120	90	7	11	7	105	
	150	110	9.5	15	9	130	

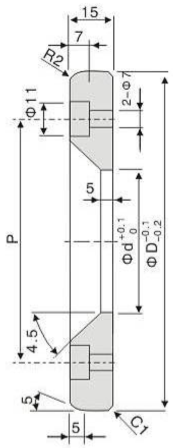
●Order: Catalog No. D × d × Q'ty

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

定位圈B型 LOCATING RINGS

塑膠模用 Plasic mold accessories

B型



M材質	Hardness 硬度	Heat Treatment 熱處理
S45C	30°	淬火處理 Quencher

Catalog No. Type	Catalog No. D	d	P	單價/Price RMB
JH033	100	36	85	
		50		
	120	36	85	
		50		

●Order：Catalog No. D × d × Q'ty

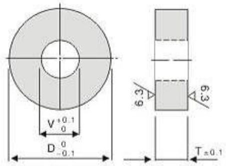
備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

汎用型華司.皿頭型華司 WASHERS

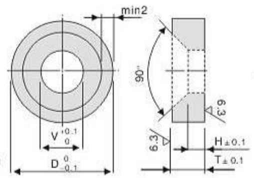
錦鴻 JH

塑膠模用 Plasic mold accessories

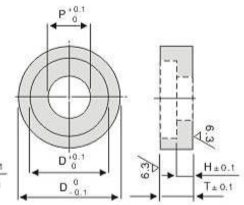
JH034-1



JH034-2



JH034-3



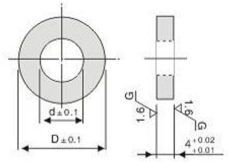
M材質
S45C

Catalog No. Type	Catalog No. D	T appoint 0.1mm unit	V appoint 0.5mm unit	P GWC appoint 0.5mm unit	H GWB appoint 0.5mm unit	H GWC appoint 0.1mm unit
JH034-1 JH034-2 JH034-3 (D≥10.5 T≥3.1)	5.0~10 (appoint 0.5mm unit)	1.0~5.0	3~70 (GWC 5~70)	3~68	0≤H≤T/2	1≤H≤48
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	10.5~20 (appoint 0.5mm unit)	1.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	21~30 (appoint 0.5mm unit)	1.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	31~40 (appoint 0.5mm unit)	1.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	41~60 (appoint 0.5mm unit)	1.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	61~80 (appoint 0.5mm unit)	2.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				
	80~100 (appoint 0.5mm unit)	2.0~5.0				
		5.1~10.0				
		10.1~20.0				
		20.1~30.0				
		30.1~40.0				
		40.1~50.0				

●Order：Catalog No. D × T × V × P × H

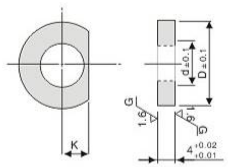
備注：依來圖加工另行報價。
Remark:The price is per the provided drawing.

間隔墊圈/阻擋墊圈 SPACER RINGS/STOP RINGS

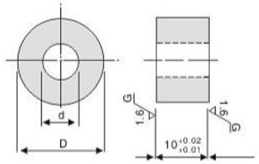
JH037-1

Catalog No.	
Type	D-d
JH037-1	13-4.5
	13-5.5
	13-6.5
	16-.6.5
	16-8.5
	20-8.5
	20-10.5
	25-10.5
	25-12.5

JH037-2

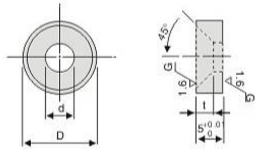
K	Catalog No.	
	Type	D-d
5	JH037-2	13-5.5
		13-6.5
6		16-8.5
7		20-10.5
8		25-12.5

JH037-3

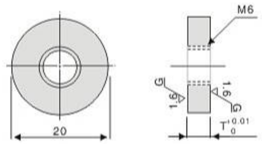
d	Catalog No.	
	Type	D
5.5	JH037-3	13
6.5		16
8.5		20
10.5		25
12.5		30

●Order：Catalog No.D×d

JH037-4

t	d	Catalog No.	
		Type	D
3.0	6.0	JH037-4	16
3.5	6.5		20
4.0	8.5		25

JH037-5

Catalog No.	
Type	D
JH037-5	5
	10
	15

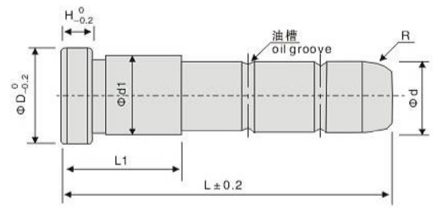
●Order：Catalog No.D

M材質	Hardness 硬度
S45C	HRC46°-50°

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

導柱/導套/拉杆

導杆 GUIDE PIN



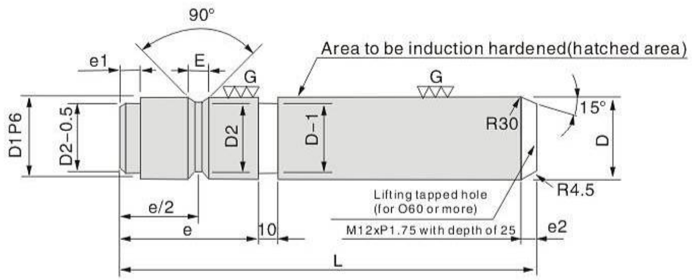
M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency
SK2		

D	H	Catalog No.		d	d1
		Type	d	容許差 Tolerance	容許差 Tolerance
13	5		10	−0.013 −0.022	+0.015 +0.006
17			12	−0.016 −0.027	+0.018 +0.007
20	6 (8)		16		
25			20	−0.020 −0.033	+0.021 +0.008
30	8		25		
35			30		
40			35	−0.025 −0.041	+0.025 +0.009
45	10		40		
56 (55)	12		50		
66 (65)	15		60	−0.040 −0.055	+0.025 +0.009
76 (75)			70		

●Order：Catalog No. D × H × d × L × L1 (L1 appointed by clients)

備注：1.圖面以外規格可定制。
Remark:Special product is available.

導柱 GUIDE POST



材質Material	S45C
硬度Hardness	HRC>58

Catalog No. Type	D		L	D1	S	D2	e	e1	e2	E
JH137	25	−0.005 −0.015	80	25	+0.035 +0.022	21	30	5	5	8
			100							
			120							
	30		100	30		26	40			
			120							
			140							
	40		120	40	+0.042 +0.026	36	50			
			140							
			160							
	50		160	50		45	70	10	10	10
			200							
			250							
	60	−0.010 −0.020	200	60	+0.051 +0.032	55	90			12
			250							
			300							
			350							
	65		250	65		60	100			
			300							
			350							
	80	−0.010 −0.025	250	80		75	120			
			300							
			350							
			400							
	100		300	100	+0.059 +0.037	95	150			
			350							
			400							

●Order：Catalog No. D x L

導杆價目表 GUIDE POSTS PRICE LIST

L	d 16	20	25	30	35	40	45	50	55	60	70	80	90	100
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														
170														
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340														
350														
360														
370														
380														
390														
400														
410														
420														

導杆價目表 GUIDE POSTS PRICE LIST

L	d													
	16	20	25	30	35	40	45	50	55	60	70	80	90	100
430														
440														
450														
460														
470														
480														
490														
500														
510														
520														
530														
540														
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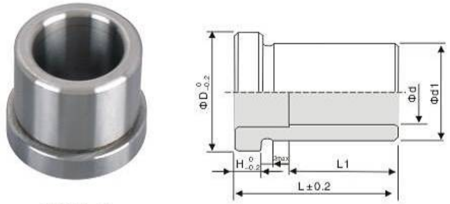
710														
720														
730														
740														
750														
760														
770														
780														
790														
800														

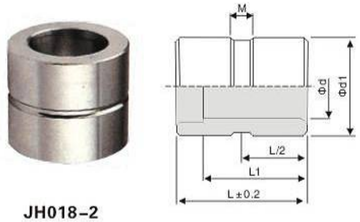
導套 GUIDE BUSH

錦鴻 JH

塑膠模用 Plastic mold accessories



JH018-1



JH018-2

M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency

d	容許差 Tolerance	d1	容許差 Tolerance	JH018-1		JH018-2	
				D	H	M-L20以下 Below 20	M-L21以上 above 21
10	+0.009 0	14	+0.018 +0.007	—	—	—	—
12	+0.017 +0.006	18		22	5	4	4
16		25	+0.021 +0.008	30	6 (8)		6
20	+0.020 +0.007	30		35	8		
25			+0.025 +0.009	40			8
30		42 (40)		47 (45)	10		
35	+0.025 +0.009	48 (45)		54 (50)			
40		55 (50)	+0.030 +0.011	61 (60)		—	
50		70		76 (75)	12		10
60		80		86 (85)	15		
70		90		96 (95)			
80		100		106 (105)			

●Order：Catalog No. D × H × d1 × d × L

備注：1.圖面以外規格可定制。
2.一次單一尺寸訂購50祇以上價格另議。

Remark:1.Special product is available.
2.Price is negotiable if quantity of each size is more than 50 in one order.

導套價目表 GUIDE BUSHING PRLCE CIST

L \ d / d1	10	12	16	20	25	30	35	40	45	50	60	70	80
	14	18	25	30	35	40	45	55	60	70	80	90	100
14													
19													
24													
29													
34													
39													
44													
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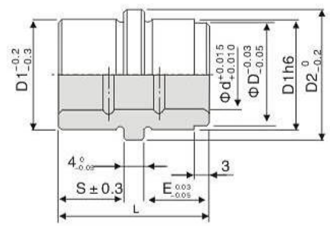
194													
199													

射梢板導套 STRIPPER GUIDE BUSHINGS

錦鴻 JH



M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency

D	容許差 Tolerance	D1	D2	Catalog No. Type	d	容許差 Tolerance
16	−0.03 −0.05	16	20	JH019	10	+0.014 +0.005
18		18	22		12	+0.017 +0.006
25		25	30		16	
30		30	35		20	+0.020 +0.007
35		35	40		25	
40		40	45		30	
50		50	55		40	+0.025 +0.009
60		60	66		50	

●Order：Catalog No. d × ℓ × L

備注：1.圖面以外規格可定制。
Remark:1Special product is available.

射梢板導套價目表 STRIPPER GUIDE BUSHINGS PRICE LIST

L \ d	10	12	16	20	25	30	35	40	45	50	60	70	80
D1	14	18	25	30	35	40	45	55	60	70	80	90	100
14													
19													
24													
29													
34													
39													
44													
49													
54													
59													
64													
69													
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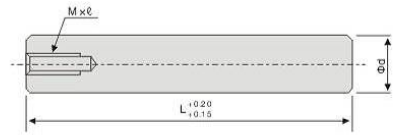
149													
154													
159													
164													
169													
174													
179													
184													
189													
194													
199													

射梢板導杆B型 ETRIPPER GUIDE PIN B TYPE



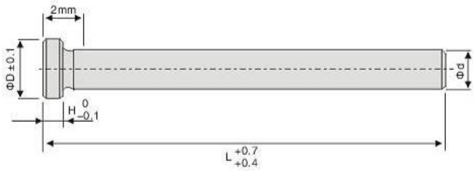
M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°± 2°	高周波 High frequency

d	M	ℓ	Catalog No. Type	d	容許差Tolerance
10	M5	12	JH020	10	−0.005 −0.014
12	M6	12	JH020	12	−0.006 −0.017
16	M6	12	JH020	16	−0.006 −0.017
20	M8	16	JH020	20	−0.007 −0.020
25	M10	20	JH020	25	−0.007 −0.020

●Order: Catalog No. d × L

備注：1.圖面以外規格可定制。
Remark: 1.Special product is available.

回位梢 RETURN PIN



M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency

D	d	H	Catalog No. Type	Catalog No. d	容許差Tolerance
12	8	4(8)	JH021	8	−0.013 −0.022
15	10			10	
17	12			12	−0.016 −0.027
20	15(16)			15(16)	
25	20			20	−0.020 −0.033
30	25			25	
35	30			30	
40	35			35	

●Order：Catalog No. D × H × d × L

備注：1.圖面以外規格可定制。
Remark: 1.1Special product is available.

射梢板導杆、回位梢價目表 STRIPPER GUIDE POSTS/RETURN PIN PRICE LIST

錦鴻 JH

L	d 15	16	20	25	30	35	40
100							
110							
120							
130							
140							
150							
160							
170							
180							
190							
200							
210							
220							
230							
240							
250							
260							
270							
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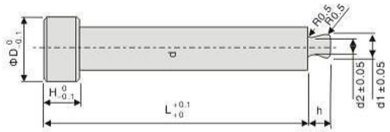
360							
370							
380							
390							
400							
410							
420							
430							
440							
450							
460							
470							
480							
490							
500							

拉料梢 RUNNER LOCK PIN



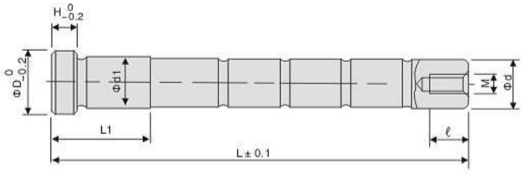
M材質	Hardness 硬度	Heat Treatment 熱處理
SKD61	HRC52°±2°	真空處理 Vacuumed

D	H	h	d1	d2	采購代號 Catalog No. 代號 Tyge	d	容許差Tolerance	單價 RMB
8	4	2.5	2.8	2.3	JH022	4	−0.010 −0.022	
9	6	3	3.3	2.8		5		
10			3.8	3.0		6		
13	8	4	4.8	4.0		8	−0.013 −0.028	
15		5	6.0	4.8		10		

●Order: Catalog No.D×H×d×L

備注：1.圖面以外規格可定制。
Remark: 1.Special product is available.

拖梢 SUPPORT PIN



M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency

D	H	M	ℓ	Catalog No. Type	d	容許差 Tolerance	d1	d1 容許差 Tolerance
17	6	M6	12	JH023	12	−0.016 −0.027	12	+0.018 +0.007
20	8	M10	20		16		16	
25	10	M12	25		20		20	+0.021 +0.008
30	12	M14	30		25	−0.020 −0.033	25	
35	14	M16	35		30		30	
40	16				35	−0.025 −0.041	35	+0.025 +0.009
45	18				40		40	

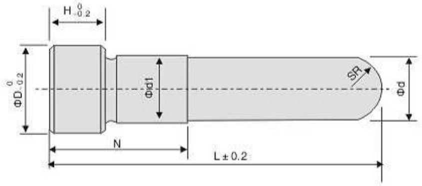
●Order: Catalog No.d×L

備注：1.圖面以外規格可定制。
Remark: 1.Special product is available.

拖梢價目表 SUPPORT PIN PRICE LIST

L	d							
	16	20	25	30	35	40	45	50
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								
170								
180								
190								
200								
210								
220								
230								
240								
250								
260								
270								
280								
290								
300								

斜撐梢 ANGULAR PIN



M材質	Hardness 硬度	Heat Treatment 熱處理
SUJ2	HRC60°±2°	高周波 High frequency

D	H	N	Catalog No.			
			Type	d	d 容許差 Tolerance	d1 容許差 Tolerance
13	8	19	JH024	10	−0.013 −0.022	+0.015 +0.006
17	10	24		13	−0.016 −0.027	+0.018 +0.006
20	12	29		16		
25	15	39		20	−0.020 −0.033	+0.021 +0.008
30		49		25		
35		55		30		

●Order: Catalog No. d × L × N

備注：1.圖面以外規格可定制。
Remark: 1.Special product is available.

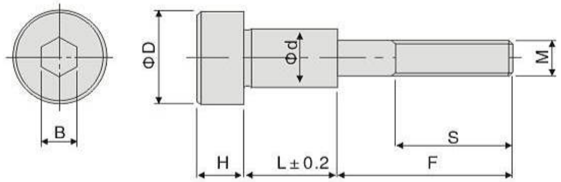
斜撐梢價目表 ANGULAR PIN PRICE LIST

塑膠模用 Plastic mold accessories

L	d: 16	20	25	30	35	40	45	50
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								
160								
170								
180								
190								
200								
210								
220								
230								
240								
250								
260								
270								
280								
290								
300								

小拉杆C型 PULLER BOLT C TYPE

塑膠模用 Plastic mold accessories

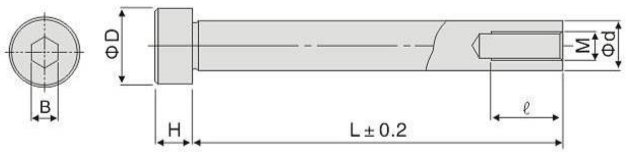


M材質	Hardness 硬度
SCM435	HRC22°~28° HV900° -1000°

D	容許差	H	容許差	Catalog No. Type	d	容許差 Tolerance	M	S	B	L	F	Price 單價/RMB
16	0 / −0.43	8	0 / −0.36	JH030	10	0 / −0.15	M6	18	6	16	22	
										21	27	
18		10			13		M8	24	8	14	30	
										19	35	
										24	40	
24	0 / −0.52	14	0 / −0.43		16		M10	26	10	15	35	
										20	40	
										30	45	
28					20	0 / −0.20	M12	30	14	20	45	
										30	50	
										35	55	
33	0 / −0.62	18			25		M16	38	17	31	60	
										41	65	

●Order：Catalog No. d × H × L × F

小拉杆A型 PULLER BOLT A TYPE



M材質	Hardness 硬度
SCM435	HRC22°~28° HV900° ~1000°

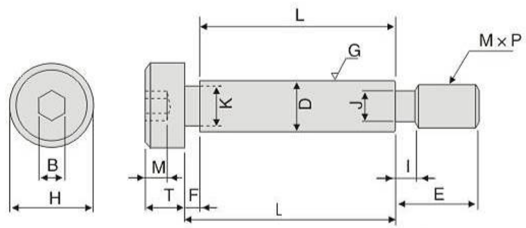
D 容許差 Tolerance		H 容許差 Tolerance		Catalog No. Type	d	容許差 Tolerance	M	ℓ	B
16	0 −0.43	8	0 −0.36	JH031	10	0 −0.15	M6	12	6
18		10			13		M8	23	8
24	0 −0.52	14	0 −0.43		16		M10	25	10
28					20	0 −0.20	M12	30	14
33	0 −0.62	18			30		M16	35	17

L \ Φd	13	16	20
80			
90			
100			
110			
120			
130			
140			
150			
160			
170			
180			
190			
200			
210			
220			
230			
240			
250			
260			
270			
280			

●Order：Catalog No. d × H × L

等高螺絲 STRIPPER BOLTS-MALE SCREW TYPE

锦鸿 JH



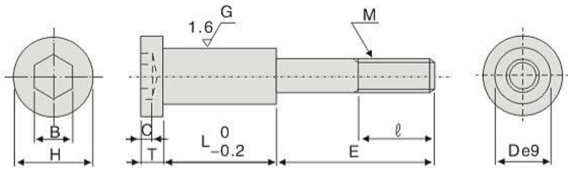
M材質	Hardness 硬度
SCM435	HRC22° ~28° HV900° ~1100°

D −0 −0.02	H	E	T	B	M	K	J	F	I	M×P
6	10	9.75	4.5	3	2.4	5.62	3.7	1.85	2.4	5×P0.8
8	13	11.25	5.5	4	3.3	7.62	4.43	1.85	2.6	6×P1.0
10	16	13.25	7.0	5	4.1	9.62	6.06	1.85	3.0	8×P1.25
12	18	16.25	8.0	6	4.9	11.62	7.72	1.85	3.0	10×P1.5
16	24	18.25	10.0	8	6.2	15.62	9.38	1.85	4.0	12×P1.75

Catalog No. Type	D	L 12	16	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	100	110	120	130	140	150
JH035	6																							
	8																							
	10																							
	12																							
	16																							

●Order：Catalog No. D × L

停止螺栓 STOP BOLTS



M材質	Hardness 硬度
SCM435	HRC22° ~28° HV900° ~1100°

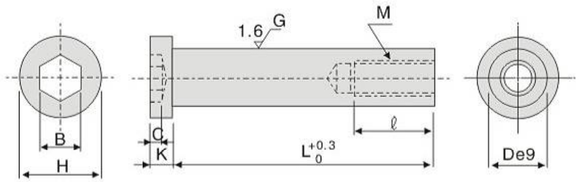
C	T	H	B	M×ℓ	Catalog No. Type	D	L	E					
4	8	16	6	M6×17	JH036	10	10	19	24				
							15	19	24	29			
							20	19	24	29	34		
4	8	18	8	M8×20		13	10	22	27				
							15	22	27	32	37		
							20	22	27	32	37	42	
							25		27	32	37	42	
							30		27	32	37	42	47
							35				37	42	47
7	13	24	10	M10×23		16	10	30	35				
							15	30	35	40			
							20	30	35	40	45		
							25	30	35	40	45		
							30		35	40	45	50	55
							35				45	50	55
9	13	27	14	M12×26		20	15	38	43				
							20	38	43	48			
							25	38	43	48	53		
							30			48	53	58	
							35			48	53	58	
							45				53	58	
10	18	33	17	M16×32		25	15	44	49				
							20		49	54	59		
							25		49	54	59		
							30		49	54	59	64	
							40			54	59	64	69

●訂購方法： 代號 D×L×E

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

螺牙拉杆 PULLER BOLTS

塑膠模用 Plastic mold accessories



M材質	Hardness 硬度
SCM435	HRC22° ~28° HV900° ~1100°

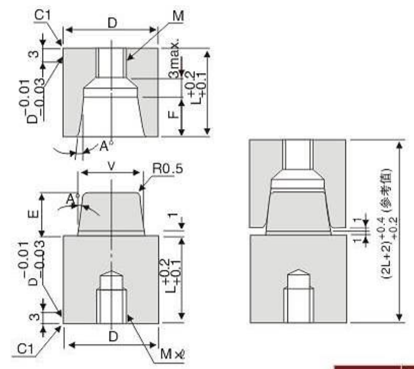
C	T	H	B	M×ℓ	Catalog No. Type	D	L
4	8	16	6	M6×17	JH038	10	40 50 60 70
							80 90
							100 110 120
							130 140 150
							160 170 180
4	8	18	8	M8×20		13	60 70
							80 90
							100 110 120
							130 140 150
							160 170 180
							190 200 210
							220 230 240 250 260
							280
7	13	24	10	M10×23		16	100 110 120
							130 140 150
							160 170 180
							190 200 210
							220 230 240 250 260
							280 300
9	13	27	14	M12×26		20	120 130 140 150
							160 170 180
							190 200 210
							220 230 240 250 260
							280 300
							350
10	18	33	17	M16×32		25	170 180
							190 200
							210 220
							230 240
							250 260
							280 300
							350

●Order：Catalog No. D×L

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

定位組件
POSITIONING COMPONENTS

導柱輔助器 TAPER PIN SETS



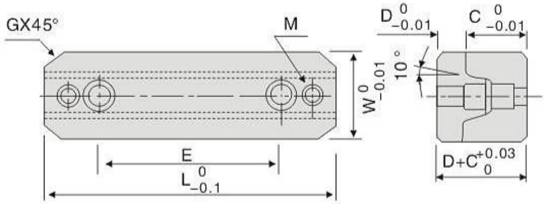
M材質	Hardness 硬度	Heat Treatment 熱處理
SK3	HRC60°±2°	高周波 High frequency

Type	Catalog No. D	容許差 Tolerance	A°	L	V	E	F	M×ℓ	Price 單價/RMB
JH039	13	+0.012 +0.001	5	14	8.5	6	5	M4×10	
	16			14	10	6	5	M5×10	
	20	+0.015 +0.002		19	13	9	8	M6×12	
	25			24	16	12	11	M8×16	
	30			29	20	15	14	M10×20	
	32	+0.018 +0.002		29	20	15	14	M10×20	
	35			34	24	18	17	M12×24	
	42			39	30	24	23	M12×24	

●Order：Catalog No. D

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

導位輔助器 TAPER BLOCK SETS



M材質	Hardness 硬度	Heat Treatment 熱處理
YK30	HRC56°~60°	真空處理 Vacuumed

Metric system(mm)

Type	Product code	W	L	C	D	E	G	M	Price 單價 RMB
JH040-1	KY50	25	50	17.5	8	0	5	M5	
	KY100	30	100	22	10	60	5	M6	
	KY150	40	150	25	13	100	5	M8	

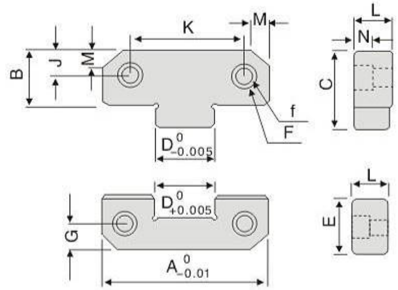
Inch

Type	Product code	W	L	C	D	E	G	M	Price 單價 RMB
JH040-2	KY2.0	1.00	1.98	0.69	0.312	1.4173	0.2	3/16"-24	
	KY4.0	1.25	3.98	0.87	0.375	2.5	0.2	1/4"-20	
	KY6.0	1.500	5.98	1.00	0.500	4.0	0.2	5/16"-18	

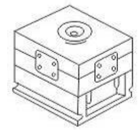
●Order: Type Product code

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

導位固定塊 STRAIGHT BLOCK SET-PL TYPE



使用例



M材質	Hardness 硬度	Heat Treatment 熱處理
YK30	HRC56°~60°	真空處理 Vacuumed

Metric system(mm)

Type	Product code	A	B	C	D	E	F	f	G	J	K	L	M	N	Price 單價 RMB
JH041	PL38	38	22	30	12	22	10.5	6.5	7	7	22	13	5	8	
	PL50	50	21.5	30	17	21.5	10.5	6.5	11	11	34	16	5	8	
	PL75	75	36	50	25	36	16.5	10.5	18	18	50	19	8	12	
	PL100	100	45	65	35	45	16.5	10.5	22	22	70	19	10	12	
	PL125	125	45	65	45	45	16.5	10.5	22	22	84	25	10	12	

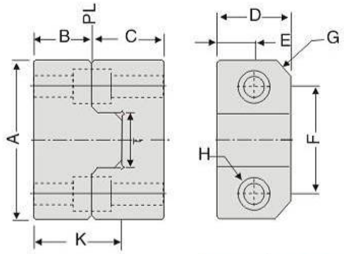
Inch

Type	Product code	A	B	C	D	E	F	f	G	J	K	L	M	N	Price 單價 RMB
JH042	PL1.5	1.5	0.87	1.18	0.50	0.87	0.433	0.276	0.281	0.437	0.938	0.620	0.19	0.3	
	PL2.0	2.0	0.87	1.18	0.68	0.87	0.433	0.276	0.375	0.437	1.250	0.620	0.19	0.3	
	PL3.0	3.0	1.36	1.91	1.00	1.37	0.590	0.413	0.688	0.688	2.250	0.745	0.38	0.45	
	PL4.0	4.0	1.87	2.64	1.375	1.87	0.590	0.413	0.875	0.875	2.750	0.745	0.50	0.45	
	PL5.0	5.0	1.87	2.64	1.75	1.87	0.788	0.555	0.875	0.875	3.500	1.120	0.50	0.6	

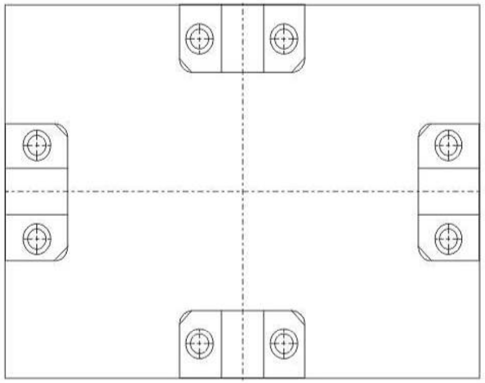
●Order: Type Product code

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

立式0° 定位塊組 0° LOCKING BLOCK SETS



M材質	Hardness 硬度	Heat Treatment 熱處理
YK30	HRC56°~60°	真空處理 Vacuumed



特性說明/speciality

1.有效解决側裝式0° 定位塊槽加工困難的問題。
尤其是對大型模胚更具方便性。
2.用于塑件品質，尺寸精度要求特高的塑膠模具。
3.材質：YK30(HRC58°~60°)

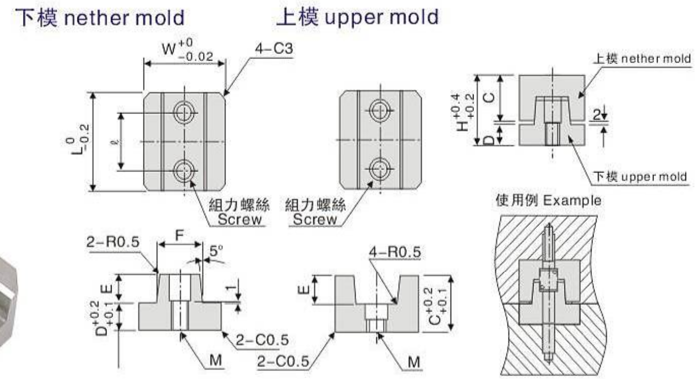
1.Can solve the 0° locking block sets'slot processing problem effectively.
2.Apply to plastic mold which has very high demand about plastic product's quality and the tolerance of specification
3.Material：YK30(HRC58°~60°)

Type	Product code	A	B	C	D	E	F	G	H	K	T	Price 單價 RMB
JH043	LM50	50	20	25	25	12.5	34	C5	M6	30	17	
	LM75	75	25	30	50	25	52	C8	M8	40	30	

●Order：Type [Product code]

備注：圖面以外之特殊規格可定制。
Remark:Special product is available.

導位輔助器 TAPER BLOOK SETS



M材質	Hardness 硬度	Heat Treatment 熱處理
YK30	HRC56°~60°	真空處理 Vacuumed

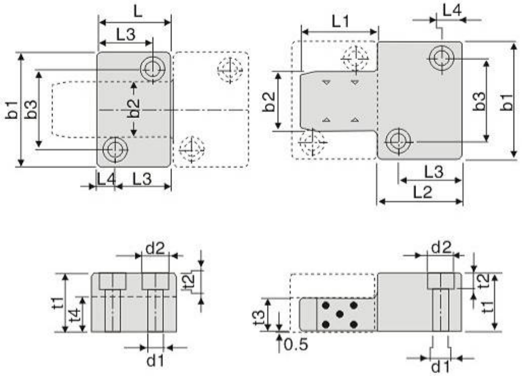
Catalog No. Type	W	L	C	D	E	F	H	組立螺絲 screw	M	ℓ	Price 單價 RMB
JH044	25	25	17	9	8	15	28	M4	M5	0	
		30								15	
		40								20	
	35	40	22	11	10	20	35	M6	M8		
		50								30	
	45	50	29	14	15	25	45				

●Order：Catalog No. [W] × [L]

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

方型導引柱/導引塊 SQUARE GUIDE BAR/GUIDE RETAINER

塑膠模用 Plastic mold accessories



M材質	Hardness 硬度	Heat Treatment 熱處理
YK30+石墨 Graphite	HRC56°~60°	真空處理 Vacuumed

Type	b2 g5	L1	t4	t3	t2	t1	d2	d1	L4	L3	$L2^{-0.5}_{-0.7}$	b3	b1	Price 單價 RMB
JH045	16	20	12	11	6.8	20	11	6.6	7	15	22	26	40	
		40												
	20	25	14	13	6.8	22	11	6.6	7	19	27	31	45	
		50												
	25	32	15	14	6.8	25	11	6.6	9	27	36	35	50	
		63												
	32	40	20	19	9.0	32	15	9.0	11	35	46	45	63	
		80												
	40	50	23	22	11.0	36	18	11.0	15	40	56	60	85	
		100												
	50	56	25	24	13.0	40	20	14.0	18	48	66	74	100	
		112												
	125	140	63	62	21.0	112	32	22.0	25	135	150	110	160	

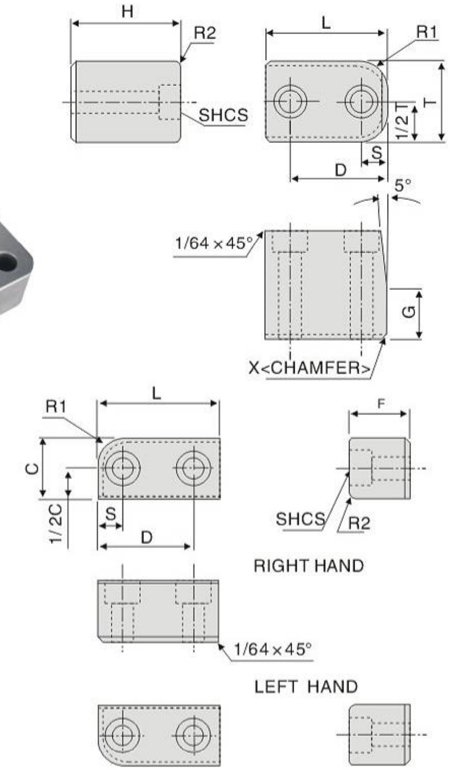
●Order：Type $\boxed{d2}$ × $\boxed{L1}$

备注：1.图面以外之特殊规格可定制。
2.依客户来图报价。
Remark:1.Special product is available.
2.The price is per the provided drawing.

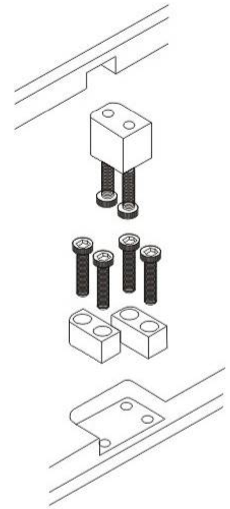
導位固定塊 LOCKING BLOCK SETS-GL TYPE

锦鸿 JH

塑膠模用 Plastic mold accessories



使用例 Example



M材質 Material	Hardness 硬度	Heat Treatment 熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed
SKD11	HRC58°~62°	真空處理 Vacuumed

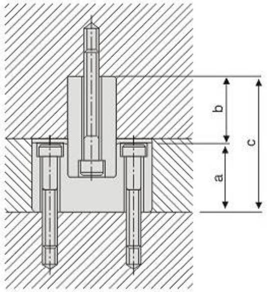
Type	T +.0000 -.0005	L +.000 -.010	H +.00 -.01	C	S	D	G	F +.000 -.005	POCKET (RET)	R1	R2	X	S(SHCS) PELLET SCREWS	單價 Price ①	單價 Price ②
JH046-100	0.5	1.0	0.85	0.50	0.25	0.75	0.36	0.50	3/16 or M5	0.22	0.06	0.03	MALE:#10-32×1" FEMALE:#10-32×5/8"		
JH046-150	1.0	1.5	1.35	0.75	0.31	1.19	0.61	0.75	1/4 or M6	0.34	0.09	0.06	MALE:1/4-20×1-1/2" FEMALE:1/4-20×7/8"		
JH046-200	1.5	2.0	1.73	1.00	0.44	1.56	0.73	1.00	3/8 or M8	0.44	0.09	0.06	MALE:3/8-16×2" FEMALE:3/8-16×1-1/4"		
JH046-250	2.0	2.5	2.11	1.25	0.56	1.94	0.86	1.25	1/2 or M12	0.53	0.09	0.09	MALE:1/2-13×2-1/4" FEMALE:1/2-13×1-1/2"		

●Order：Type

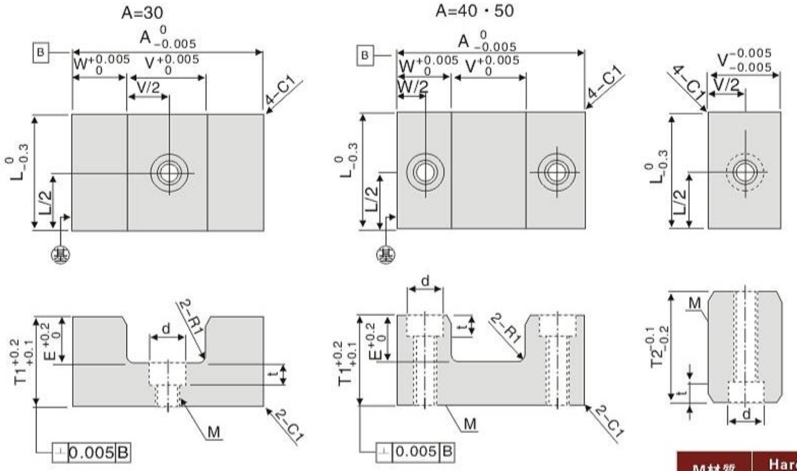
備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

導位固定塊-直式 LOCKING BLOCK SETS-STRAIGHT TYPE

使用例 Example



Type	A	T1	a	b	c
JH047	30	14	14	13	27
	30	19	19	13	32
	40	19	19	16	35
	40	24	24	16	40
	50	29	29	21	50
	50	34	34	21	55



M材質 Material	Hardness 硬度	Heat Treatment 熱處理
YK30	HRC56°~60°	真空處理 Vacuumed
SKD11	HRC58°~62°	真空處理 Vacuumed

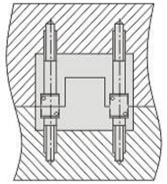
W	V	E	T2	M	取付螺栓 Bolt	d	t	L	Catalog No. Type	A	T1	單價 Price ①	②
9	12	6	18	5	M4	8	4.5	20	JH047	30	14		
											19		
12	16	10	25	5	M4	8	4.5	25		40	19		
											24		
15	20	15	35	8	M6	11	6.5	30		50	29		
											34		

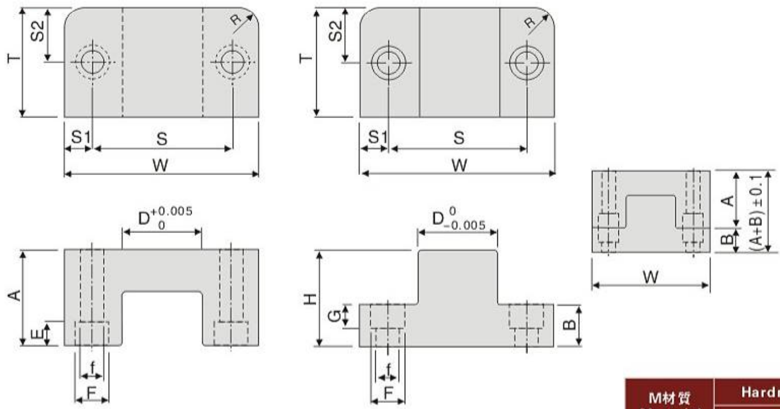
●Order: Catalog No. A × T1

備注： 1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

導位固定塊 LOCKING BLOCK SETS-GLK TYPE-

使用例 Example





M材質 Material	Hardness 硬度	Heat Treatment 熱處理
SKS30	HRC53°~56°	真空處理 Vacuumed
SKD11	HRC58°~62°	

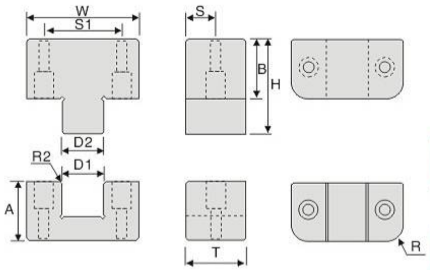
Type	W $^{0}_{-0.01}$	T±0.25	A±0.05	B±0.05	C	D	E	組立螺絲 screw
JH048-15	38.1	25.4	22.17	9.47	13.13	12.7	7	M5
JH048-25	63.5	38.1	34.87	15.82	19.48	25.4	8	M6
JH048-35	88.9	50.8	44.4	19.0	25.70	36.58	11	M8

F	f	G	H±0.25	R±0.25	S±0.25	S1±0.25	S2±0.25	單價 price ①	②
10.5	6	7	22.1	7.0	25.4	6.35	12.7		
12.0	7.2	8	34.8	8.5	44.45	9.53	19.05		
15.5	10.5	11	44.2	9.5	63.5	12.7	25.4		

●Order: Type

備注： 1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

導位固定塊 SIDE LOCKS GTL TYPE



MALE:YK30
54~56HRC
Black Oxide Finish(染黑)

FEMALE:SKD11(D2)
58~62HRC
Titanium Nitride Coated(鍍鈦)

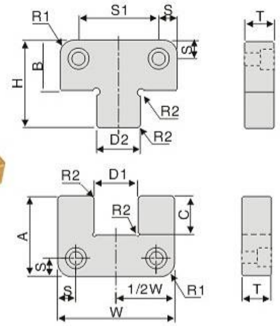
Type	W 0 −0.005	T 0 −0.002	A 0 −0.002	B 0 −0.002	C	OVERALL HEIGHT	D1 +0.0002 0	D2 +0.0002 0	H	R RADIUS	R2	S ±0.010	S1 ±0.010	SHCS MALE(2)	SHCS FEMALE(2)	單價 Price
JH049-125	1.250	0.625	0.625	0.500	0.414	1.125	0.438	0.438	0.875	0.26	0.059	0.312	0.875	#6-32×1/2"	#6-32×5/8"	
JH049-150	1.500	0.875	0.875	0.750	0.531	1.625	0.500	0.500	1.250	0.26	0.059	0.437	1.000	#8-32×3/4"	#8-32×3/4"	
JH049-200	2.000	1.000	1.125	0.750	0.664	1.875	0.750	0.750	1.375	0.38	0.059	0.500	1.375	#10-32×3/4"	#10-32×1"	
JH049-300	3.000	1.125	1.500	0.750	0.787	2.250	1.125	1.125	1.500	0.51	0.098	0.562	2.250	1/4-20×3/4"	1/4-20×11/2"	

●Order：Type

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

導位固定塊 SIDE LOCKS GTL TYPE

塑膠模用 Plastic mold accessories



MALE:YK30
54~55HRC
Black Oxide Finish(染黑)

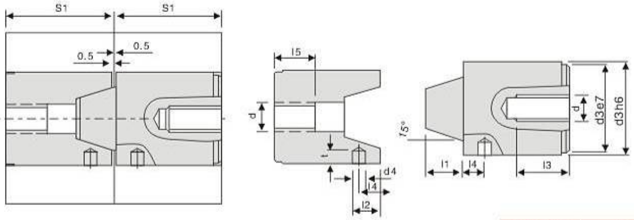
FEMALE:SKD11(D2)
58~62HRC
Titanium Nitride Coated(鍍鈦)

Type	W ±0.001	T ±0.001	A ±0.001	B ±0.001	C	D1 +0.0003 0	D2 0 −0.0003	H	R1	POCKET RADIUS	R2	S ±0.010	S1 ±0.010	SHCS	單價 Price
JH050-37	1.0000	0.375	1.125	0.875	0.53	0.5000	0.4999	1.37	0.22	3/16	0.06	0.250	0.500	#10-32×1/2"	
JH050-49	1.2500	0.490	1.125	0.875	0.66	0.5000	0.4999	1.50	0.22	3/16	0.06	0.250	0.750	#8-32×5/8"	
JH050-50C	1.5000	0.500	0.875	0.875	0.56	0.5630	0.5629	1.40	0.22	3/16	0.06	0.250	1.000	#8-32×5/8"	
JH050-50	2.0000	0.500	1.375	0.875	0.66	0.7500	0.7499	1.50	0.22	3/16	0.06	0.312	1.376	#10-32×5/8"	
JH050-75	3.0000	0.750	1.875	0.875	1.13	1.2500	1.2499	1.96	0.28	1/4	0.12	0.375	2.250	1/4-20×3/4"	
JH050-100	4.0000	1.000	2.375	1.375	1.25	1.5000	1.4999	2.59	0.53	1/2	0.12	0.500	3.000	3/8-16×1	
JH050-125	5.0000	1.250	2.875	1.375	1.63	2.0000	1.9999	2.96	0.53	1/2	0.12	0.625	3.750	1/2-13×11/4"	
JH050-150	6.0000	1.500	2.875	1.375	1.75	2.5000	2.4999	3.09	0.53	1/2	0.12	0.625	4.750	1/2-13×11/2"	

●Order：Type

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

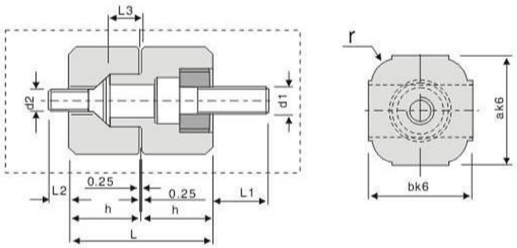
圓型定位鎖/locking block sets



M材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

型號/Type	尺寸/dimention										Price 單價(¥)
	t	d4	d	l5	l4	l3	l2	l1	S1	b3	
JHN09/30	5	4	M10	16.5	4.5	20	11.5	10.5	36	30	
JHN09/42	7	5		18.5	5.5		15.5	14.5	46	42	
JHN09/54	8	6	M12	20.5	7.5	25	18.5	17.5	56	54	
JHN09/80	11	8	M16	25.5		30	28.5	27.5	76	80	

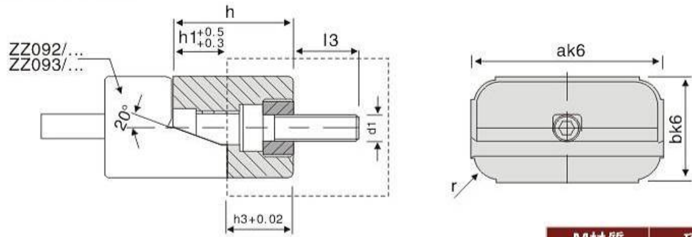
直身定位鎖/straight block sets



材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

型號/Type	尺寸/dimention										Price 單價(¥)
	r	d1	d2	l1	l2	l3	l	h	a	b	
JHN10/20x20	4	M5	M4	12	4	3.5	28	14	20	20	
JHN10/25x25	5	M6	M5	13	8	5.5	32	16	25	25	
JHN10/32x32	6	M8	M6	15	12	7.5	36	18	32	32	
JHN10/40x40		M10	M8	17	10	9.5	45	22.5	40	40	

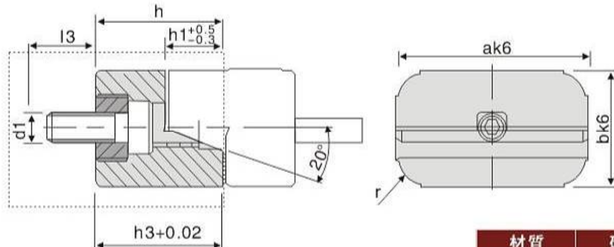
定位塊/locking block sets



M材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

型號/Type	尺寸/dimention								Price 單價(¥)
	h3	l3	r3	d3	h	b	a	h1	
JHN11/20x20x10	12	12	4	M5	22	20	20	10	
JHN11/20x40x10							40		
JHN11/25x25x12	14	13	5	M6	26	25	25	12	
JHN11/25x40x12							40		
JHN11/32x32x16	18	15	6	M8	34	32	32	16	
JHN11/32x50x16							50		

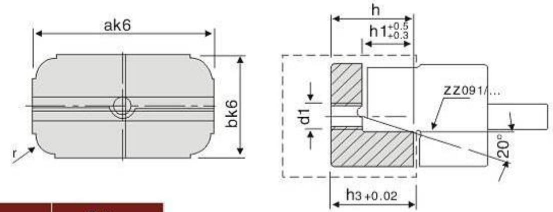
定位块



材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

型號/Type	尺寸/dimention								Price 單價(¥)
	h3	l3	r	d3	h	b	a	h1	
JHN12/20x20x10	22	12	4	M5	22	20	20	10	
JHN12/20x40x10							40		
JHN12/25x25x12	26	13	5	M6	26	25	25	12	
JHN12/25x40x12							40		
JHN12/32x32x16	34	15	6	M8	34	32	32	16	
JHN12/32x50x16							50		

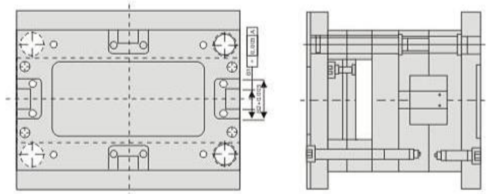
定位块/locking block sets

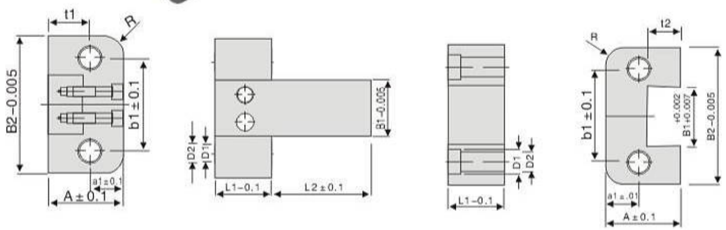


型號/Type	h3	r	d1	h	b	a	h1	Price 單價(¥)
JHN13/20x20x10	16	4	M5	16	20	20	10	
JHN13/20x40x10						40		
JHN13/25x25x12	19	5	M6	19	25	25	12	
JHN13/25x40x12						40		
JHN13/32x32x16	25	6	M8	25	32	32	16	
JHN13/32x50x16						50		

M材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

定位滑块/slide block sets

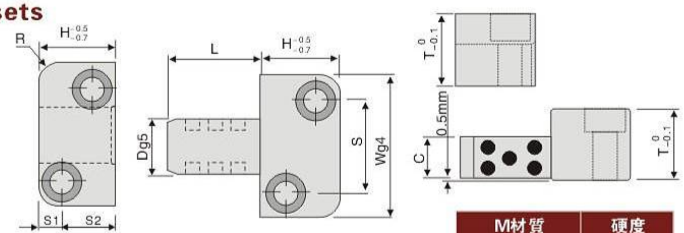




材質 Material	硬度 Hardness
1.2343	HRC50° ~56°

型號/Type	B1	L1	L2	A	B2	D1	D2	a1	b1	t1	t2	R	Price 單價(¥)
JHN14	16	20	20 40	22	45	6.4	M8		30	11.5	12	8	
	30	26	40 63	35	60	6.4	M8		46	19.5	20	10	
	48	36	32 50 63 80	46	100	10.3	M12		74	25.5	26	12.5	
	77	56	50 71 100	60	150	12.8	M16		114	35.5	36	16	

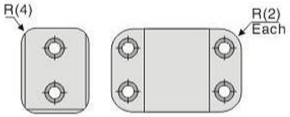
定位滑塊/slide block sets

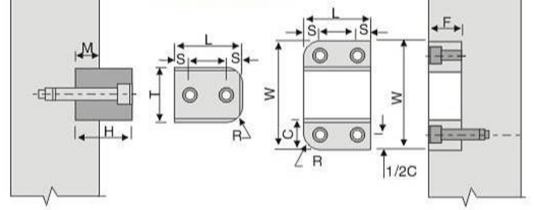


M材質 Material	硬度 Hardness
YK30+石墨/graphite	HRC50° ~56°

型號/Type	L	D	T	W	C	H	S1	S2	S	R	螺絲/sorew	Price 單價(¥)
JHN15-16x20	20	16	20	40	11	22	7	15	26	6	M6-1.0x25	
JHN15-16x40	40											
JHN15-20x25	25	20	22	45	13	27		19	31			
JHN15-20x50	50											
JHN15-25x32	32	25	25	50	14	36	9	27	35	8	M6-1.0x30	
JHN15-25x63	63											
JHN15-32x40	40	32	32	63	19	46	11	35	45		M8-1.25x35	
JHN15-32x80	80											
JHN15-40x50	50	40	36	85	22	56	15	40	60	10	M10-1.5x40	
JHN15-40x100	100											
JHN15-50x56	56	50	40	100	24	66	18	48	74		M12-1.75x45	
JHN15-50x112	112											

定位滑块/slide block sets

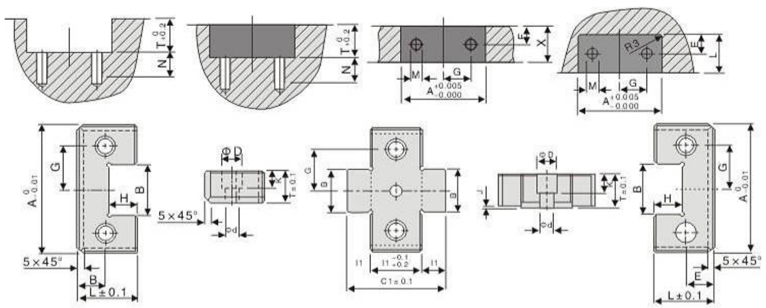


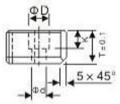


M材質 Material	整體硬度 Whole Hardness	表面硬度 Surface Hardness
A-2	HRC50° ~56°	
H-13	HRC50° ~56°	HRC80°

型號/Type	W	L +.000 +.010	C +.0000 +.0003	F +.000 +.005	T +.0000 +.0003	M	H +.00 +.01	S ±.01	R	内六角螺絲 internal hexagon screw S.H.C.S		Price 單價(¥)
JHN16-100x150	1.500	1.000	.500	.500	.500	.375	.85	.25	.187	M:#10-32x1"	F:#10-32x5/8"	
JHN16-100x250	2.500	1.500	.750	.750	1.000	.625	1.35	.31	.250	M:1/4-20x1-1/2"	F:1/4-20x7/8"	
JHN16-200x350	3.500	2.000	1.000	1.000	1.500	.750	1.73	.44	.375	M:3/8-16x2"	F:3/8-16x1-1/4"	
JHN16-250x450	4.500	2.500	1.250	1.250	2.000	.875	2.10	.56	.500	M:1/2-13x2-1/4"	F:1/2-13x2-1/4"	

多板定位鎖locking block sets

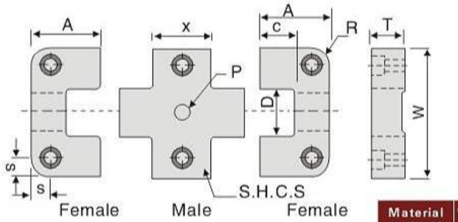




Material M材质	Hardness 硬度
1.7131	HRC55°~60°

型號/Type	A	X	B	C1	D	d	E	F	G	h	H	J	K	L	L1	T	M	N	Price 單價(¥)
JHN17-5026	50	26	17	43	10.5	6.5	11	13	17	8.5	9.5	1.5	8	21.5	26	16	M6	15	
JHN17-5036		36		53				18							36				
JHN17-7526	75	26	25	51	16.5	10.5	18	13	25	14	15		12	36	26	19	M10	20	
JHN17-7536		36		61				18							36				
JHN17-10036	100		35	71					35										
JHN17-10046		46		81			22	23		20	21			45	46				
JHN17-12536	125	36	45	71				18	42						36	25			
JHN17-12546		46		81				23							46				

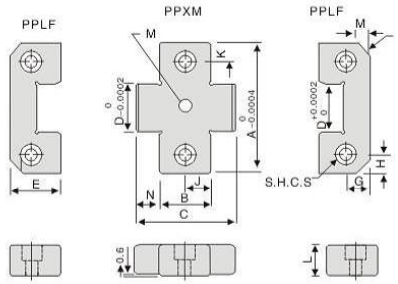
多板定位鎖



Material M材質	Whole Hardness 整體硬度	Surface Hardness 表面硬度
A-2	HRC50°~56°	
H-13	HRC50°~56°	HRC80°

型號/Type	W +.0000 -.0004	T +.000 -.002	X +.000 -.005	A +.000 -.002	C ±.01	D .0001/.0002	R	S ±.01	P +.001 -.000	内六角螺絲 internal hexagon screw S.H.C.S	Price 單價(¥)
JHN18-50×87	2.000	.500	.875	1.375	.65	.750	.187	.312	.250	#10-32×5/8"	
JHN18-75×137			1.375		1.12	1.250	.250	.375	.313	1/4-20×3/4"	
JHN18-75×187			1.875								
JHN18-100×137			1.375			1.500	.500	.500	.375	3/8-16×1"	

多板定位锁 PPLF··· PPXM···
Locking block sets



Material M材質	Hardness 硬度
8620鋼/brass	HRC50°~56°

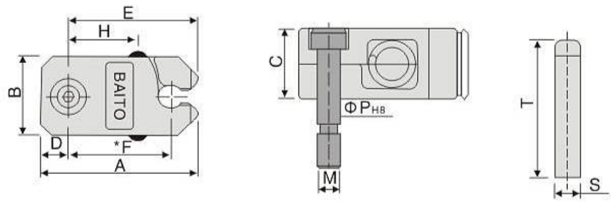
Inch

型號/Type FEMALE	X-STYLE	A	B	C	D	E	内六角螺絲 S.H.C.S	G	H	J	K	L	M	N	U	Price 單價(¥)
PPLF-0001	PPXM-1001	1.5000	.850	1.470	.5000	.870	1/4-20×3/4	.281	.281	.425	.281	.620	.19	.310	.2500	
(2REQ'D.)	PPXM-2001		1.350	1.970						.675						
PPLF-0002	PPXM-1002	2.0000	.850	1.470	.6800	.870	1/4-20×3/4	.375	.375	.425	.375	.620	.19	.310	.2500	
(2REQ'D.)	PPXM-2002		1.350	1.970						.675						
PPLF-0003	PPXM-1003	3.0000	.850	1.950	1.0000	1.370	3/8-16×1	.668	.375	.425	.375	.745	.19	.550	.3750	
(2REQ'D.)	PPXM-2003		1.350	2.450						.675						
PPLF-0004	PPXM-2004	4.0000	1.350	1.890	1.3750	1.870	3/8-16×1	.875	.625	.675			.50	.770	.3750	
(2REQ'D.)	PPXM-3004		1.850	3.390						.925						
PPLF-0005	PPXM-2005	5.0000	1.350	2.890	1.7500	1.870	1/2×13×1/4	.875	.750	.675	.750	1.120	.50	.770	.5000	
(2REQ'D.)	PPXM-3005		1.850	3.390						.925						

定位夾組件

限位夾 SLIDE RETAINERS

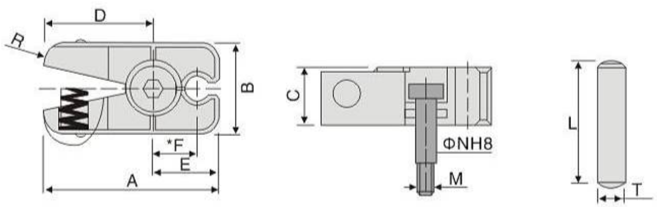
锦鸿 JH



與英制PPSL系列不同的是：PPSM系列，其螺絲和鎖緊
銷釘采用的是公制標準。
Different from U.K stardard PPSL series:
the screw and dowel pins in PPSM are in metric system stardard.

Material M材質	Hardness 硬度
8620steel	HRC58°~62°

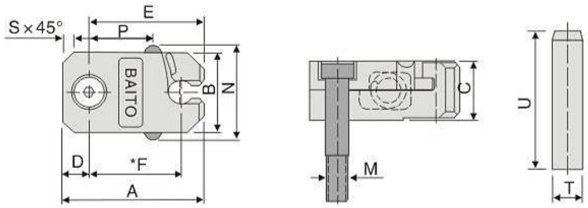
Type	尺寸/Dimension											荷重/load	Screw 限位螺絲	Price 單價(¥)
	A	B	C	D	E	*F	H	P	M	S	T	Kgf		
JHN19-01	38	19	16	7	31.5	24.89	15.5	6	M5	6	32	10	PM5×20	
JHN19-02	54	32	20	11	43.0	34.93	22.5	8	M6	8	40	20	PM6×25	
JHN19-03	86	45	30	19	67.0	53.98	40.0	10	M8	10	60	40	PM8×40	



相对来说，该系列的限位夹"F"距离更短，
锁住的配合更加精密。
Relative,"F"length in this series is shorter,
and the lock cooperate more precision.

Material M材質	Hardness 硬度
8620steel	HRC58°~62°

Type	尺寸/Dimension											荷重/load	Screw 限位螺絲	Price 單價(¥)
	A	B	C	D	E	*F	R	M	N	T	L	Kgf		
JHN20-10M	38	19	16	22	16	9.15	5	M5	6	6	30	10	PM5×16	
JHN20-20M	54	32	20	33	21	12.7	6	M6	8	8	40	20	PM6×20	
JHN20-40M	86	45	30	53	33	20.3	10	M8	10	10	60	40	PM8×30	

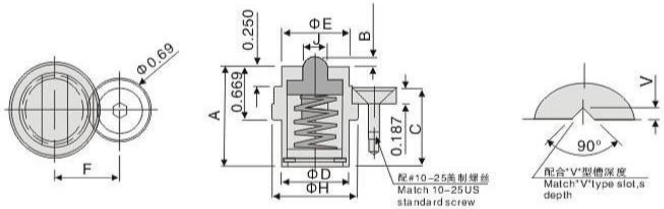


简单经济、坚固耐用。能使用单个或多个限位夹，以达到更大的荷重。
Simple and economical,firmly and durable.Can use one or more clamps to bear more load.

Material M材質	Hardness 硬度
8620steel	HRC58°~62°

Inch

Type	尺寸/Dimension												荷重/load	單價(¥) Price
	A	B	C	D	E	*F	N	P	S	T	U	M	Kgf	
JHN21-01	1.50	.76	.63	.27	1.23	.980	.94	.61	.14	.250	1.25	.249	10	
JHN21-02	2.13	1.26	.79	.44	1.69	1.375	1.44	.88	.25	.312	1.50	.3115	20	
JHN21-03	3.38	1.76	1.18	.75	2.63	2.125	1.94	1.57	.38	.375	2.25	.374	40	

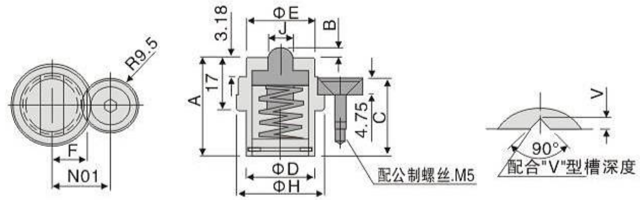


獨立的設計、一體化的裝置、安裝簡單。外形雖小，但是具有一定的荷重。
Independent design,integrated device,easy to install.
Small in shape but can bear certain load.

Material M材質	Hardness 硬度
H-13steel	HRC48°~52°

Inch

Type	尺寸/Dimention									荷重/load	單價(¥) Price
	A	B	C	ΦD	ΦE	F	ΦH	J	V	Kgf	
JHN22-01	1.08	.072	.795	.620	.630	.375	0.866	.188	.091	4.5	
JHN22-02	1.32	.121	1.035	.740	.748	.420	.984	.250	.153	9	
JHN22-03	1.26	.149	.975	.870	.866	.466	1.102	.312	.194	18	



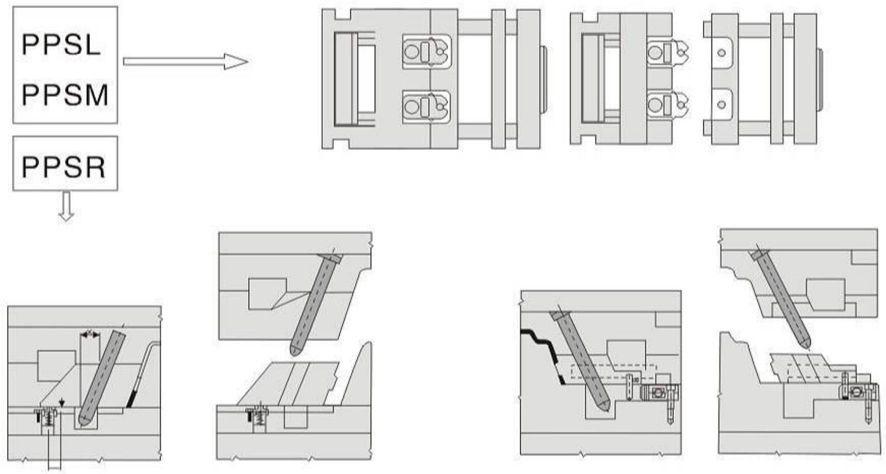
简单经济、坚固耐用。能使用单个或多个限位夹，以达到更大的荷重。
Simple and economical,firmly and durable.Can use one or more clamps to bear more load.

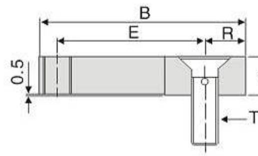
Material M材質	Hardness 硬度
H-13steel	HRC48°~52°

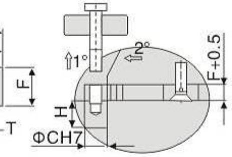
Inch

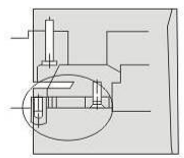
Type	尺寸/Dimension										荷重/load	Price 單價(¥)
	A	B	C	ΦD	ΦE	*F	ΦH	J	N	V	Kgf	
JHN23-01	27.43	1.83	20.2	15.75	16	9.52	22	4.78	17.0	2.30	4.5	
JHN23-02	33.53	3.07	26.3	18.80	19	10.67	25	6.35	18.2	3.90	9	
JHN23-03	32.00	3.78	24.76	22.10	22	11.89	28	7.92	19.4	4.90	18	

Example
使用例



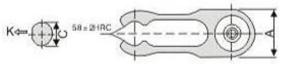


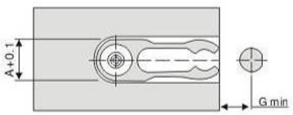




非常簡單實用,衹需要很小的空間就可以安裝固定。
Simple but utility,just need small space to install and fix

Material M材質	Hardness 硬度
1.8159	HRC45°± 3°

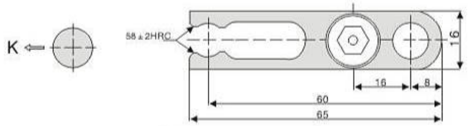


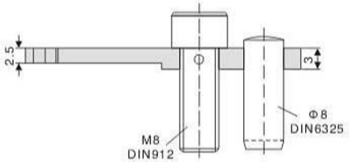


Type	尺寸/Dimension									荷重/load	Price 單價(¥)
	A	B	C	E	F	G	H	R	J	K(kgf)	
JHN24.123006	12	30	6×20	21	5	4	16	6	M5×16	5	
JHN24.164008	16	40	8×20	28	6	5	15	8	M6×25	7	
JHN24.205010	20	50	10×24	34	8	6	17	10	M8×30	14	
JHN24.246012	24	60	12×32	42	10	7	23	12	M10×40	21	
JHN24.328012	32	80	16×40	56	12	9	27	16	M12×50	28	
JHN24.328016					16		25			38	

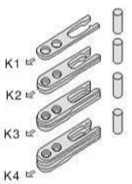
※注意： "K" 的取值，决定釋放限位夾力的大小。Note： "K" 's choose is per the force to release.

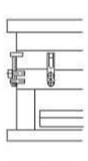
標準限位夾，對延遲模具的分開和閉合是非常有用的，它能够通過增加夾子的數量來增大限位夾的荷重。
Stardard locating clamps.are very useful to postpone the open and close of the mold.It can increase the locating clamp's load by add clamps.

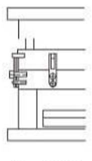


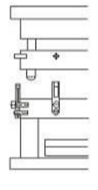


Material M材質	Hardness 硬度
1.8159	HRC45° ± 3°




合模狀態
mold closed

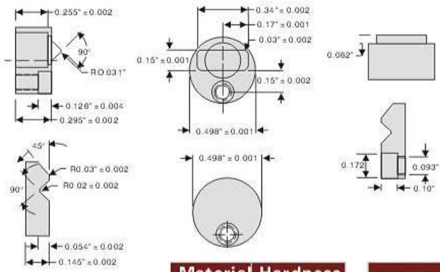

第一次開模
the first time open mold


第二次開模
the second time open mold

※注意：下表中的荷重值是通過安裝一、二、三或更多的夾子而得來的，它是一組近似值，僅供參考。
Note：The load datas are from installed clamps,they are approximation just for reference.

Type	荷重/load(kgf)				Price 單價(¥)
	K1	K2	K3	K4	
JHN25.651608	7.5	15	22.5	30	

JHH26標準限位夾的設計，能有效的預防模座滑塊逐漸鬆動的問題.此款限位夾外形小巧,合理的利用了有限的空間.
The design of JHH26 stardardlocating clamps can prevent mold base'sslide and loose effectively.It's small but utilize space soundly.

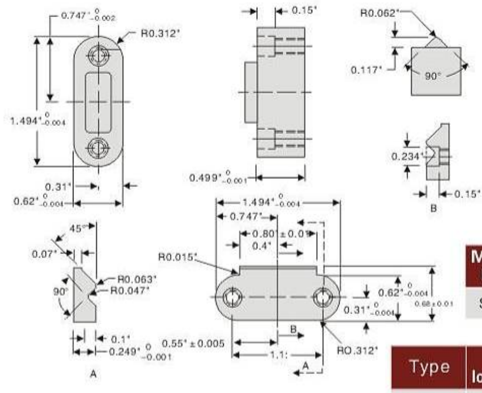


Material M材質	Hardness 硬度
SKH-51	HRC59° ~61°

Inch

Type	荷重 load(kgf)	Price 單價(¥)
JHN26	3.6kgf	

JHH27容易安裝進入模座滑塊中，巧妙的隱藏在限位裝置中。
JHH27 is easy to install in the mold base's slider,and embedding artful in the locating sets.

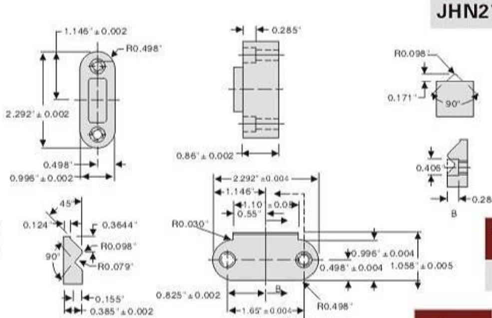


Material M材質	Hardness 硬度
SKH-51	HRC59°~61°

Inch

Type	荷重 load(kgf)	Price 單價(¥)
JHN27	11.25kgf	

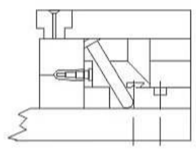
JHH28完美的應用于壓鑄模具中，多個限位夾容易加工安裝在模具上，以達到更大的荷重。
JHH28 apply to injection mold perfectly,it's easy to install many locating clamps in mold,to achieve more load.

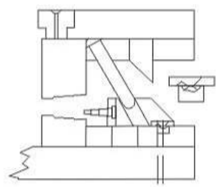


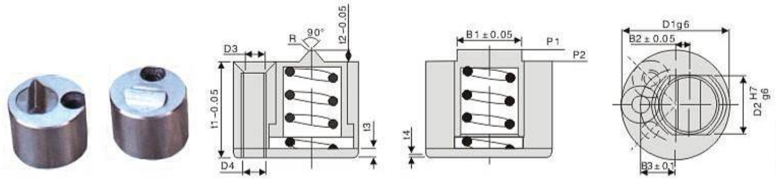
Material M材質	Hardness 硬度
SKH-51	HRC59°~61°

Type	荷重 load(kgf)	Price 單價(¥)
JHN28	22.5kgf	

Example
使用例



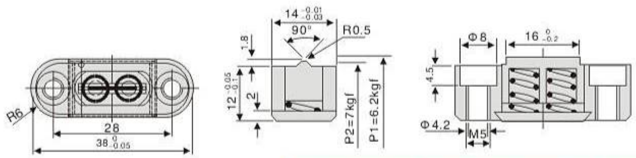




Material M材質	Hardness 硬度
1.2842	HRC58°±2°

Type	尺寸/Dimension												荷重/load(kgf)		Price 單價(¥)
	D1	B1	B2	B3	t1	t2	t3	t4	D2	D3	D4	R	P1	P2	
JHN29	13	6.6	1.4	4.3	10	1.0	1.6	0.35	7	2.2	M3	0.35	2.8	3.4	
	18	9.6	2.0	6.0	14	1.8	2.0	0.50	10	3.2	M4	0.5	3.8	4.2	
	27	14.4	3.0	9.0	21	2.8	3.0	0.50	15	4.3	M5	0.75		9.2	

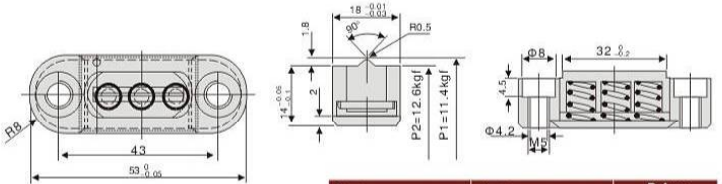
JHN30



Material M材質	Hardness 硬度
1.2343	HRC54°±2°

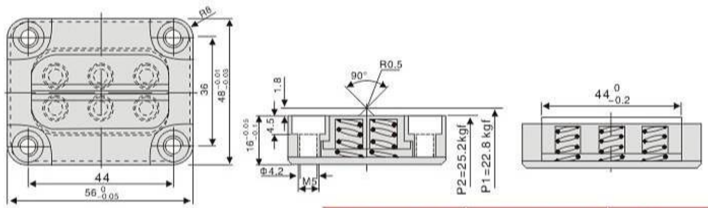
荷重/load P1(kgf)	荷重/load P2(kgf)	Price 單價(¥)
6.2	7.0	

JHN31



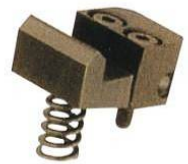
荷重/load P1(kgf)	荷重/load P2(kgf)	Price 單價(¥)
11.4	12.6	

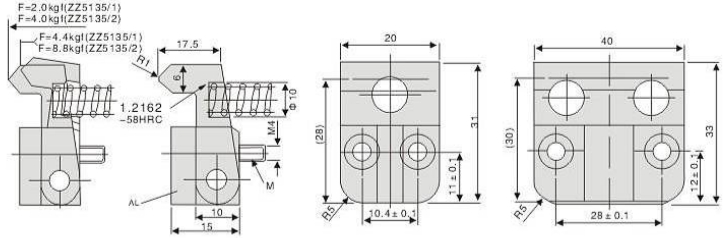
JHN32



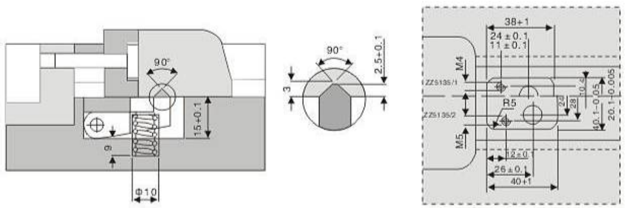
荷重/load(kgf)	荷重/load P2(kgf)	Price 單價(¥)
22.8	25.2	

JHN33

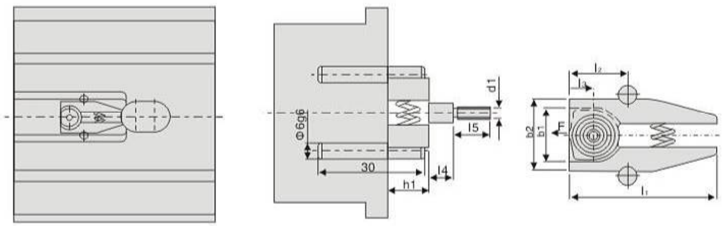




Material M材質	Hardness 硬度
1.2162	HRC59°~61°



Type	M螺絲 Mscrew	荷重/load(kgf)	Price 單價(¥)
JHN33-01	4	2.0-4.4	
JHN33-02	5	4.0-8.8	



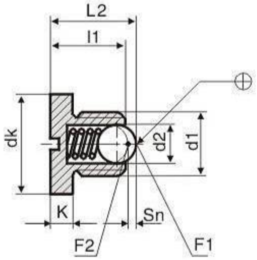
Material M材質	Hardness 硬度
1.7131	HRC54°±2°

Type	尺寸/Dimension									荷重/load(kgf)	Price 單價(¥)
	h1	l1	l2	l3	l4	l5	d1	b1	b2	F(kgf)	
JHN34-10	10	40	17.5	7	5.1	9.5	M5	18	21.5	10	
JHN34-12	12	43	18	7.5	6.1	11	M6	22	25.5	15	
JHN34-16	16	50	20.5	9.5	3.1			28	31.5	25	

定位柱 BALL PLUNGERS

塑膠模用 Plastic mold accessories

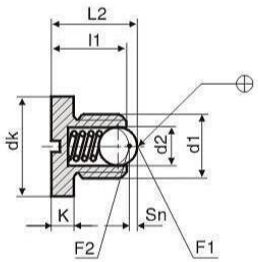
定位柱 ball piunger JHN35



Material M材質
1.0718

max.℃	d2	dk	K	Sn	F1[N]	F2[N]	l2	d1	l1	Nr/No.	Price 單價(¥)
250	2.5	6	2.5	0.64	6	11.6	9.8	M4	9	4×9	
	3	8	3.5	0.72	8.8	13.3	12.9	M5	12	5×12	
	3.5	10	5	0.8	11.2	15.1	15	M6	14	6×14	
	5	13		1.2	18.5	29.5	17.5	M8	16	8×16	
	6	16	6	1.6	23.9	43	22	M10	20	10×20	
	8	18	7	2	35.9	59.8	24.5	M12	22	12×22	

定位柱 ball piunger JHN36



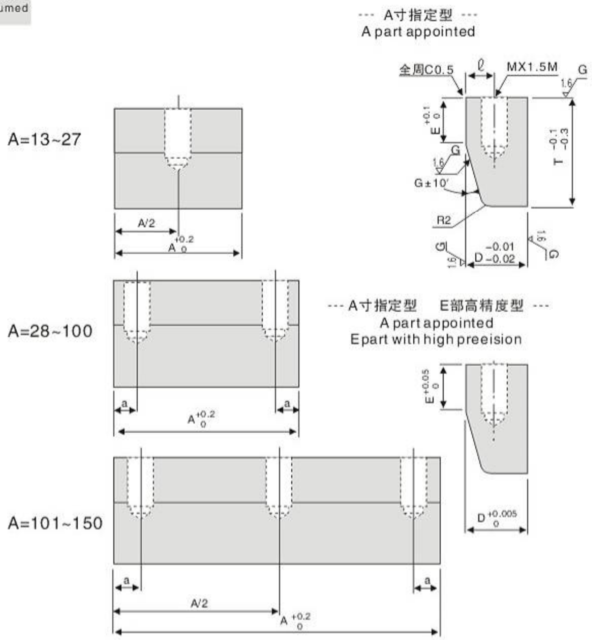
Material M材質
1.4305

max.℃	d2	dk	K	Sn	F1[N]	F2[N]	l2	d1	l1	Nr/No.	Price 單價(¥)
250	5	13	5	1.2	18.5	29.5	17.5	M8	16	8×16	
	8	18	7	2	35.9	59.8	24.5	M12	22	12×22	

開閉器
SLIDE LOCK SETS

鎖模塊-A/E/G指定 SLIDE RETAINERS

Type		Material	Hardness	Heat Treatment
A寸指定型 A part appinted	A寸指定型 E部高精度型 A part appointed E part with high precision	M材質	H硬度	熱處理
JH051-1	JH051-3	SKS3	53~56HRC	真空處理 Vacuumed
JH051-2	JH051-4	SKD61	50~55HRC	



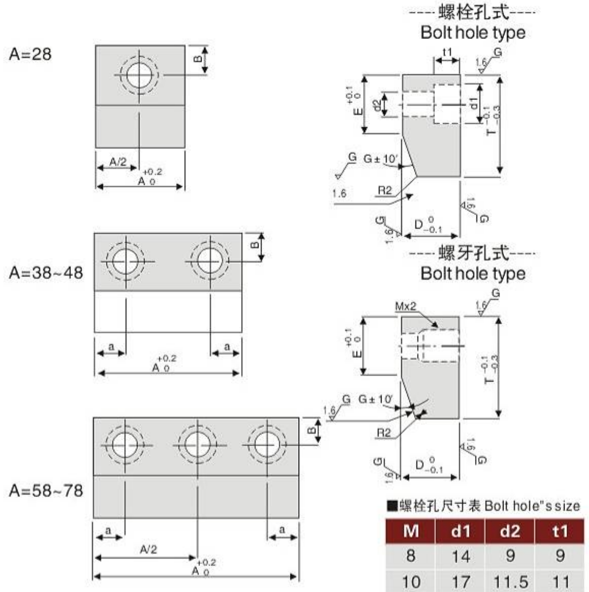
a	ℓ	M	Catalog No. Type	D	T	A 指定1mm單位 Appoint 1mm unit	E 指定1mm單位 Appoint 1mm unit	G 指定1°單位 Appoint 1° unit
7	7	6	JH051-1 JH051-2 JH051-3 JH051-4	15	20	13~50	10~13	5°~33°
					25		10~15	5°~33°
					30		10~20	5°~33°
					35	29~60	10~25	5°~28°
					40		10~30	5°~22°
8	9	8		20	30	34~80	10~20	5°~33°
					35		10~25	5°~33°
					40	34~100	10~30	5°~30°
					50		12~40	5°~24°
					60		12~50	5°~22°
10	12	10		25	30	39~100	12~20	5°~33°
					35		12~25	5°~33°
					40		12~30	5°~33°
					50		12~40	5°~30°
					60		12~50	5°~24°
12	14	12		30	40	48~150	12~30	5°~33°
					50		12~40	5°~33°
					60		12~50	5°~30°

●Order：Catalog No. D × T × A × E × G

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

鎖模塊-橫擋式- LOCKING BLOCKS

Type		Material	Hardness	Heat Treatment
A寸指定型 A part appinted	A寸指定型 E部高精度型 A part appointed A part with high precision	M材質	H硬度	熱處理
JH052-1	JH052-2	SKS3	53~56HRC	真空處理 Vacuumed



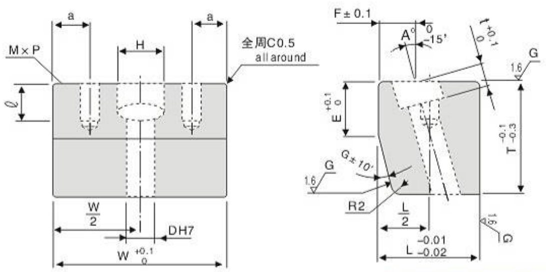
■螺栓孔尺寸表 Bolt hole"s size

M	d1	d2	t1
8	14	9	9
10	17	11.5	11
12	19	12.5	13

a	螺栓、螺牙穴數 Bolt/thread hole No.	Catalog No. Type	D	T	A	E 指定1mm單位	M	B appoint 1mm unit	G appoint 1° unit
10	1	JH052-1 JH052-2	20	30	28	15~25	8		5°~33°
	2				38				
12					48		8 10 12		
10	1			35	28	20~25	8		
	2				38			$\frac{d1}{2}+2\leqslant B$	
12					48		8 10 12		
10				40	38	25~30	8		
12					48		8 10 12		
10	3				58		8 10	$B\leqslant E-\frac{d1}{2}-2$	
	2			50	38	30~40	8		
12					48		8 10 12		
10	3				58		8 10		
	2		25	35	38	20~25	8		
12					48		8 10 12		
10	3				58		8 10		
	2			40	38	25~30	8		
12					48		8 10 12		
10	3				58		8 10	$\frac{M}{2}+2\leqslant B$	
12	2			50	48	30~40	8 10 12		
10	3				58		8 10		
12					68		8 10 12	$B\leqslant E-\frac{M}{2}-2$	
15					78				
12	2			60	48	35~45			
10	3				58		8 10		
12					68		8 10 12		
15					78				

●Order：Catalog No. D × T × A × E × M × B × G

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

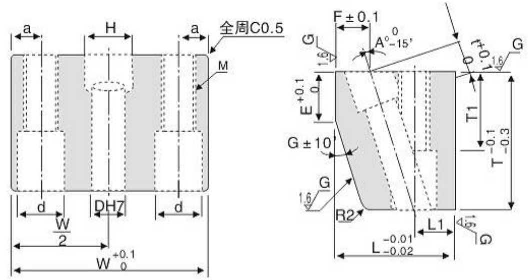


Material	Hardness	Heat Treatment
M材質	硬度	熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed

DH7		H	F	ℓ	M×P	t	a	L	Catalog No. Type	D	T	W	E appoint 1mmunit	appoint 1° unit A	B
6	+0.012 0	10	6	8	4×0.7	5	5	20	JH053	6	20	38 48 58	10~13	10°~20°	G°≥A+2 and G°≤A+5
								22			25		10~15		
								25			30		10~20		
8	+0.015 0	12	8	12	6×1.0	5	6	25		8	20	38 48 58	10~13		
								26			25		10~15		
								30			30		10~20		
10		14	10	16	8×1.25	10	7	32		10	30	38 48 58 68	10~20		
								35			35		10~25		
								36			40		10~30		
								40			50		10~40		
13	+0.018 0	17	12	16	8×1.25	10	8	40		13	35	48 58 68 78	10~25		
								40			40		10~30		
								45			50		10~40		
								50			60		10~50		

●Order：Catalog No. D × T × L × W × E × A × G

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.



Material	Hardness	Heat Treatment
M材質	硬度	熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed

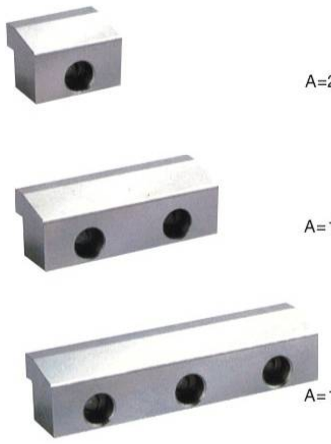
Dh7		H	F	t	T1	d	M	a	L1	L	Catalog No. Type	D	T	W	E appoint 1mm unit	appoint 1° unit A	G
10	+0.015 0	14	10	10	20	14	10	9	12	32	JH054	10	30	48 58 68	10~20	10°~20°	G°≥A+2 and G°≤A+5
					25					35			35		10~25		
										36			40		10~30		
13	+0.018 0	17	12							40			50		10~40		
									14	40		13	35	58 68 78	10~25		
										40			40		10~30		
										45			50		10~40		
										50			60		10~50		
16		20	15	13	25	17	12	12	16	40		16	35	68 78	10~25		
					30					45			40		10~30		
										50			50		10~40		
										55			60		10~50		

●Order：Catalog No. D × T × W × E × A × G

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

鎖模塊(足位決定型)-A、H、G指定- LOCKING BLOCKS

Type	Material	Hardness	Heat Treatment
	M材質	H硬度	熱處理
JH055-1	SKS3	53~56HRC	真空處理 Vacuumed
JH055-2	SKD61	50~55HRC	

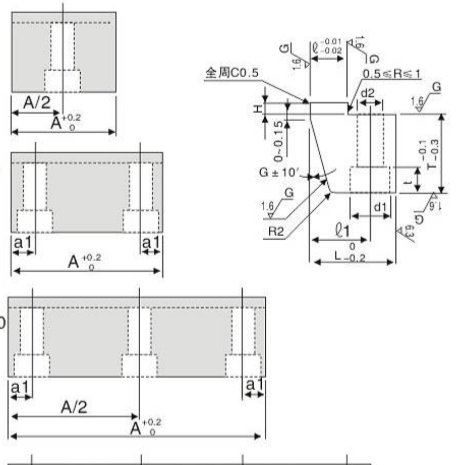


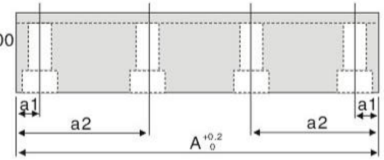
A=13~37

A=28~107

A=108~150

A=151~200





L=50

A	a2
151~160	57.5
161~170	62.5
171~180	65
181~190	67.5
191~200	72.5

a1	ℓ	ℓ1	d1	d2	t	Catalog No. Type	L	T	appoint 1mm unit A	H	G appoint 1° unit
6	8	14	9.5	5.5	6	JH055-1 JH055-2	20	10	13~60	3~8	5°~33°
								15			5°~24°
								20			5°~18°
7	12	18					25	10	18~100	3~8	5°~33°
								15			5°~33°
								20			5°~26°
								25			5°~21°
8	15	22					30	15	23~130	3~10	5°~33°
								20			5°~33°
								25			5°~28°
								30			5°~25°
10	17	25	11	6.5	7		35	25	38~150	3~15	5°~33°
								30			5°~28°
								35			5°~25°
								40			5°~22°
13	19	28	14	9	9		40	30	48~150		5°~32°
								35			5°~28°
								40			5°~25°
								45			5°~22°
16	25	35					50	30	68~200		5°~33°
								35			5°~33°
								40			5°~31°
								45			5°~28°

●Order：Catalog No.　全尺寸指定
code all specification appinted

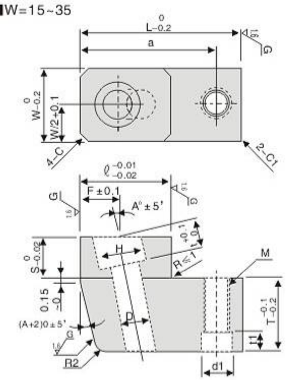
備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

孔加工鎖模塊 LOCKING BLOCKS-WITH ANGULAR HOLE PROCESS

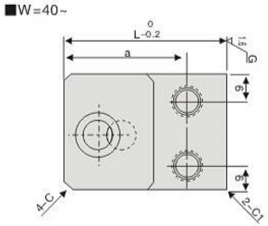
Type	Material	Hardness	Heat Treatment
	M材質	H硬度	熱處理
JH056-1	SKS3	53~56HRC	真空處理 Vacuumed

(D=6~16)

■W=15~35



■W=40~

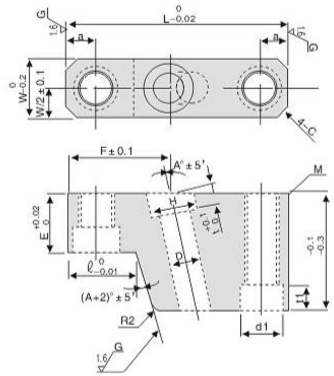


■a寸法 a part specification

D \ W	15~35	40~70
6	32	–
8		
10	46	40
13	–	46
16		

Type	Material	Hardness	Heat Treatment
	M材質	H硬度	熱處理
JH056-2	SKS3	53~56HRC	真空處理 Vacuumed

(D=6・8・10)



■C寸法c part specification

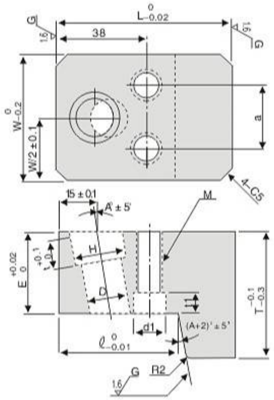
W	C
15~20	3
25~40	5

■F寸法F part specification

A \ D	6・8	10
10・15	25	35
18・20	20	30

Type	Material	Hardness	Heat Treatment
	M材質	H硬度	熱處理
JH056-3	SKS3	53~56HRC	真空處理 Vacuumed

(D=10・13・16)



備注：1.圖面以外之特殊規格可定制
2.依客户來圖報價
Remark:1.Special product is available.
2.The price is per the provided drawing.

斜孔加工鎖模塊 LOCKING BLOCKS-WITH ANGULAR HOLE PROCESS-

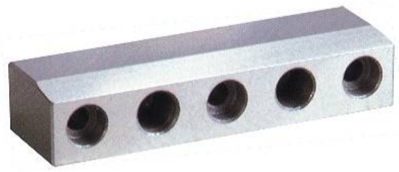
DH7		H	t	d1	t1	M	L	T	F	ℓ	S	C	Catalog No. Type	D	W	A
6	$^{+0.012}_{0}$	11	5	11	6.5	8	40	10	10	20	10	3	JH056-1	6	15 20 25	10° 15° 18° 20°
8	$^{+0.015}_{0}$	13												8		
10		16	10				55	25	12	30	15	5		10	25 30 35	
				14	8.6	10	50								40 45	
13	$^{+0.018}_{0}$	19					55		15	35				13	45 50 55 60 65 70	
16		21	13											16		

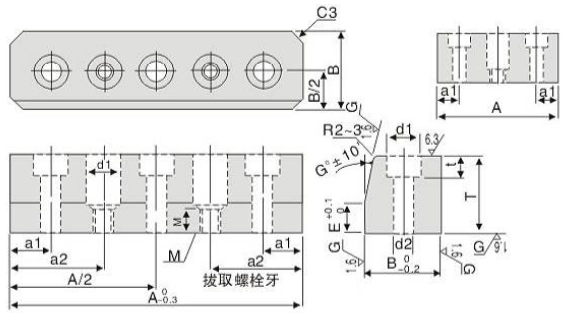
DH7		H	t	d1	t1	M	L	T	ℓ	E	a	Catalog No. Type	D	W	A
6	$^{+0.012}_{0}$	11	5	11	6.5	8	55	30	16	15	7	JH056-2	6	15 20 25	10° 15° 18° 20°
8	$^{+0.015}_{0}$	13	5										8	15 20 25	
10		16	10	14	8.6	10	70	40	20	20	9		10	25 30 35 40	
10	$^{+0.015}_{0}$	16	10	14	8.6	10	70	48	48	30	25	JH056-3	10	45	10° 15° 18° 20°
							75				28			50 55	
13	$^{+0.018}_{0}$	19											13	55 60 65 70	
16		21	13					55	50	35			16	55 60 65 70	

●Order：Catalog No. D × W × A

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價.
Remark:1.Special product is available.
2.The price is per the provided drawing.

邊栓固定塊-角度選擇型- SIDE COTTER BLOCKS





B	T	A	a1
20	14	60	10
	29	50	10
		60	10
		80	10
25	29	60	15
		80	15
		100	15
	39	60	15
		80	15
		100	15
30	29	80	15
40	39	100	15
50	44	100	20

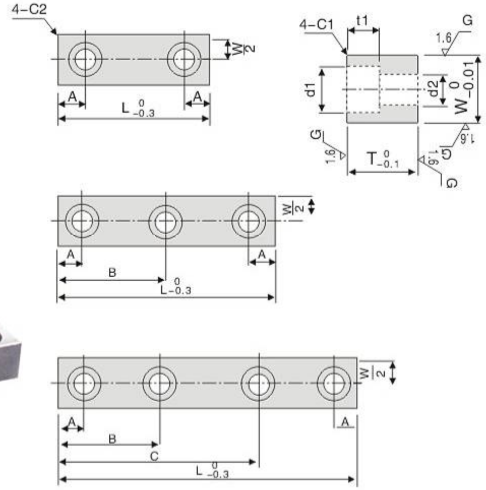
Material M材質	Hardness 硬度	Heat Treatment 熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed

M	d1	d2	t	a1	a2	Catalog No. Type	B	T	A 50	60	80	100	150	200	250	E	G°
M6	11	6.6	6.5	10	25(A=80) 30(A=100)	JH057	20	14								5	5
M5	9.5	5.5	6		–			29								15	
M6	11	6.6	6.5	15	–		25	29								15	
								39									
M8	14	8.6	8.6	20	32.5(A=100)		30	29								10	
					45												
					57.5											15	
					70												
M10	18	11	11	20	–		40	39								15	10
					47.5												
					60												
					72.5												
M12	20	13	13	20	–		50	44								20	
					47.5												
					60												
					72.5												

●Order：Catalog No. B × T × A × E × G

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

中心滑軌 CENTER RAILS



Material	Hardness	Heat Treatment
M材質	H硬度	熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed

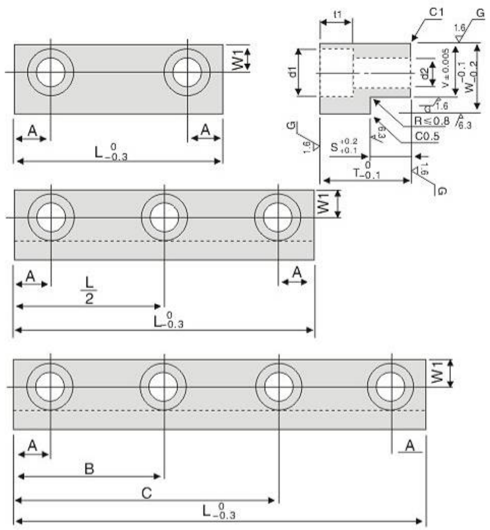
W	T	d1	d2	t1
12	10・15	8	4.5	5
15	15・20	9.5	5.5	6
20	15・20	11	6.5	7
	25	14	9	9

Catalog No. Type	W	T (choose)	L appoint 5mm unit	A (appoint 0.5mm unit)	B	C	Bolt hole No. 螺栓穴數
JH058	12	10 15	40~55	6.0~14.0	–	–	2
			60~75	6.0~14.0	26.0~37.5		3
			80~95	6.0~19.0	31.0~49.0		
			100	6.0~19.0	31.0~44.0	56.0~69.0	4
	15	15 20	40~55	6.0~14.0		–	2
			60~75	6.0~14.0	26.0~37.5		3
			80~95	6.0~19.0	31.0~49.0		
			100	6.0~19.0	31.0~44.0	56.0~69.0	4
	20	15 20 25	40~55	8.0~12.0		–	2
			60~75	8.0~22.0	–		
			80~95	8.0~32.0			
			100~115	8.0~27.0	43.0~57.0		3
			120~135	8.0~32.0	48.0~72.0		
			140~150	8.0~42.0	68.0~92.0		

●Order：Catalog No. W×T×L×A-B-C

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

側開導引滑軌 CUIDE RAILS



Material	Hardness	Heat Treatment
M材質	H硬度	熱處理
SKS3	HRC53°~56°	真空處理 Vacuumed

Type	S	V	R
JH059-1	10	(W-5)	R≤0.8
JH059-2	12		
JH059-3	15		

■螺栓孔尺寸表bolt hole's size

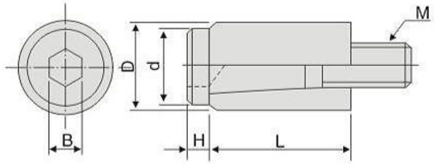
W	T	d1	d2	t1	W1
15	20 25	9.5	5.5	6	6
20	20	11	6.5	7	9
	25 30	14	9	9	9
25	20 25 30	14	9	9	10

Catalog No. Type	W	T	L	Bolt hole No. 螺栓穴數	A	B	C
JH059-1 JH059-2 JH059-3	15	20 25	40 50 60	2	7.5	–	–
			70 80 90 100 110 120	3		–	–
			130			40	90
			140	4		45	95
			150			53	97
	20	20 25 30	40 50 60 70 80 90	2	10	–	–
			100 110 120 130 140 150	3		–	–
			160			55	105
			180	4		60	120
			200			70	130
	25	20 25 30	40 50 60 70 80 90	2	10	–	–
			100 110 120 130 140 150	3		–	–
			160			55	105
			180	4		60	120
			200			70	130

●Order：Catalog No. W×T×L

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.

樹脂開閉器 PARTING LOCKS



Catalog N o. Type	D	d	H	L	M	B	Price 單價 RMB
JH060	10	8.5	3	18	M5	4	
	12	11	3.5	20	m6	5	
	13	11	3.5	20	m6	5	
	16	14	4	25	m8	6	
	20	16	5	30	m10	8	

《樹脂開閉器》特性說明:

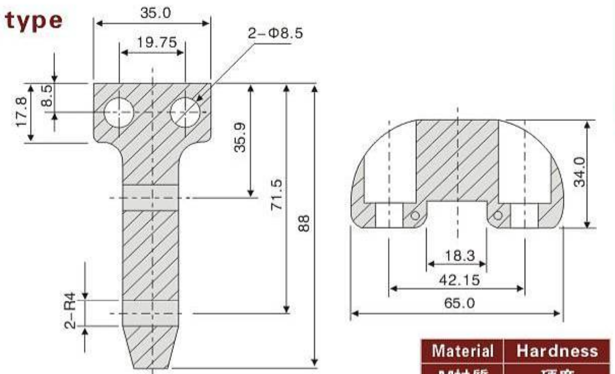
1.由斜度螺絲調整模板與樹脂間之摩擦力，約轉1/4圈可合閉模具約5萬次。
2.模具裝置取卸容易、簡單，價格低。
3.此裝置也可用在小水口板與打中板或二段頂出小水口或滑座之工件上。
4.模具重量100kg以下用12Φ-4個，500kg以下用16Φ-4個，1000Kg以下用20Φ-4個,若超過1000kg以上，則增加爲6個以上。
5.樹脂埋入公模板約3公分，母模之孔以H7之絞刀加工至+0.1mm範圍內內面加工至□□□~□□□□
6.母模面請加工成R狀。如做C面之倒角，耐久性較差。
7.請勿在樹脂上加油，因爲加油會使摩擦力減低。
分：白 黄 橘三色 Division:white,yellow,orange three cdors.

Features:

1.Use sloping screw to adjust mold plate and parting locks,then turn 90 degrees parting locks can be closed upto 50,000 times.
2.Easy to assemble and disassemble,and cost efficient.
3.Can also be installed into small,medium size,and 2-sectional injecting metal pipes,or can be installed on sliding bases.
4.Mold weight 100kg,using 4pcs of 12Φ.Mold weight 500kg,using 4pcs of 16ΦMold weight 1000kg,using 4pcs of 20Φ.
Mold weight 1000kg,using at least 6pcs.
5.Insert parting locks into die mold about 3cm,the using H7 reamer to process mold hole within+0.1mm range.
6.Process mold surface to the shape of letter"R",if processing to the chamfering of letter"C"it will shorten it's life cycle.
7.Donot add any oil on paring locks.doing so will reduce the friction.
Order:Catalog N o. D x L

開閉器半圓型/開閉器SL型 SLIDE LOCK

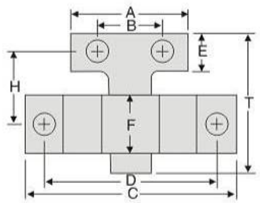
JH061半圓型Half-rotundity type



Material	Hardness
M材質	硬度
白鐵SUS404	HRC50°~52°

訂購方法：代號
Order：Type

SL型



Material	Hardness
M材質	硬度
SCM21	HRC55°~60°

裝置之功能及優點:

1.利用簡單之構造，可使模具完全打開與密合，且裝置簡單互換性高。
2.本裝置最適合三模板之針點射出，有拉斷料頭與脫模一次完全之功能。
3.本裝置有四種型：GSL-2型適合5盎司以下之模具，GSL-3型適合中型模具，GSL-4型適合大型模具。
4.本裝置采用高級合金鋼熱處理後研磨而成，采用進口彈簧，品質可靠。

Function&Instuctions:

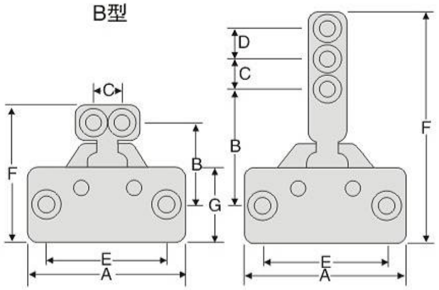
1.Using simple construction,can open and close the mold completely and inter change easily.
2.Excellent for 3-pcs mold plates for its precision injection.It will cut off the excessive materials and leave the mold at the time of finishing.
3.4different clamping force:GLS-2 suit for mold below 5ounce,GLS-3 suit for medium model,GLS-4suit for big model.
4.This equipment was made by advanced alloy steel and with heat treatment&milling it adopt imported spring,with reliable quality.

Type	A	B	C	D	E	F	H	T	Hole 孔⊕	Force 拉模力kg	Price 單價
JH062-2S	40	26	72	60	20	20	23	49	M8	60	
JH062-2L	36	22					66	96			
JH062-3S	50	30	113	90	22	30	38	73	M10	80	
JH062-3L							79	118			
JH062-4S	50	30	113	90	22	30	38	73	M12	100	
JH062-4L					25		103	135			

● Order:Type

開閉器B型、E型 SLIDE LOCK(B, E TYPE)

B型

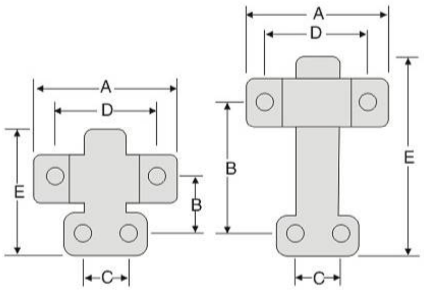


Material	Hardness
M材質	硬度
SK-2	HRC58°-60°

Type	A	B	C	D	E	F	G	Force 拉力	Screw 螺絲	Price 單價
JH063-BS	78	40	15	–	60	68	38	60kg	5/16"	
JH063-BL	78	58	15	15	60	116	38	60kg	5/16"	

● Order: Type

E型

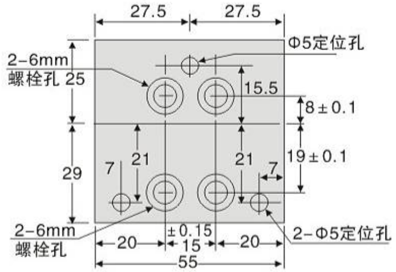


Material	Hardness
M材質	硬度
SK-2	HRC58°-60°

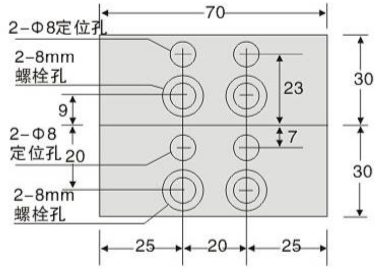
Type	A	B	C	D	E	Force 拉力	Screw 螺絲	Price 單價
JH064-ES	62	28	20	45	54	80kg	5/16"	
JH064-E L	62	62	20	45	88	80kg	5/16"	

● Order: Type

開閉器 GBLS型(扣模器) SLIDE LOCK(GBLS TYPE)



(Use for 80kg,120kg,150kg)



(Use for 200kg)

Material
M材質
SCM21

扣模器之功能及使用說明:

1.本裝置適合於三模板之針點射出模，有拉斷料頭與脱模一次完成之功能。(二色成型之最適)
2.本産品采用精密鑄造而成，精度高，拉勾采用高級合金鋼經熱處理研磨而成，勾力特强，兩側采用之耐熱彈簧片，彈性佳，耐熱力强，有數十萬次之開模能力。
3.本裝置作用力向外側，故不傷模具，裝置時兩邊對稱、固定銷孔用5mm之絞刀絞過後；再以固定銷固定之，以增加固定性。
4.本裝置尺寸有二型，但扣模力分爲四種，如下：
GBLS-100拉模力80kg
GBLS-200拉模力120kg
GBLS-300拉模力150kg
GBLS-600拉模力200kg
大型模具使用時可一次安裝2組以上之扣模器

Functions &Instructions:

1.Excellent for 3-pcs mold plates for its precision injection(for example:needle-point injection).It will cut off the excessive materials and leave the mold at the time of finishing.(especially good for double-color injection)
2.Slide Lock was made by precision casting methods.
Hanger was made by heat-treated and grinded alloy steel that provides very strong hanging power.Using heat-resistant springs on the both sides that make the lock slide can endure over 100,000 times of usage.
3.When assemble the Slide lock,line up both sides evenly,then using 5mm reamer to ream.
4.2 different sizes with 4different mold clamping force:
GBLS-100 with mold clamping force up to 100kg
GBLS-200 with mold clamping force up to 200kg
GBLS-300 with mold clamping force up to 300kg
GBLS-600 with mold clamping force up to 600kg
Can be used for more than 2 sets of slide Locks when install into larger molding machines.

Type	Kg	Price 單價
JH065	80	
	120	
	150	
	200	

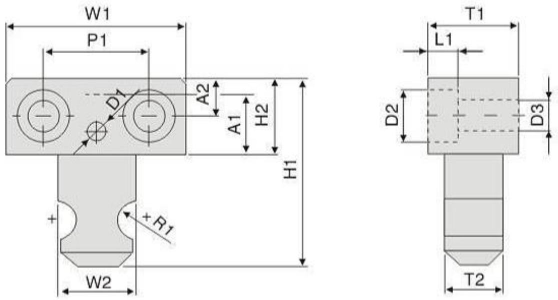
●Order: Type Kg

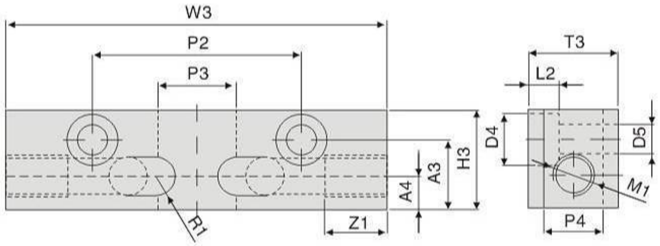
開閉器 SLIDE LOCK SETS

塑膠模用 Plastic mold accessories

F 表面處理 黃色烤漆
surface Treatment:
Yellow paint

M 材質 S50C
附屬品 螺絲，定位銷
Appendix:screw
clowel pins





Locate 位置	Type	
	JT066-A	JT066-B
A1	5	6
A2	12.5	12
A3	23	21
A4	11	10
D1	Φ6	Φ5
D2	Φ17	Φ10.5
D3	Φ10	Φ6.5
D4	Φ17	Φ11
D5	Φ10	Φ6.5
H1	62.5	48
H2	30	20
H3	33	28
L1	10	6.5
L2	10	6.5
M1	M14*2.0	M12*1.75
P1	35	25
P2	70	60
P3	26	18
P4	20	12.5
R1	R6.5	R4.25
T1	30	20.5
T2	19.5	12
T3	25	20.5
W1	60	40
W2	25.5	17.5
W3	127.5	86
Z1	21	20

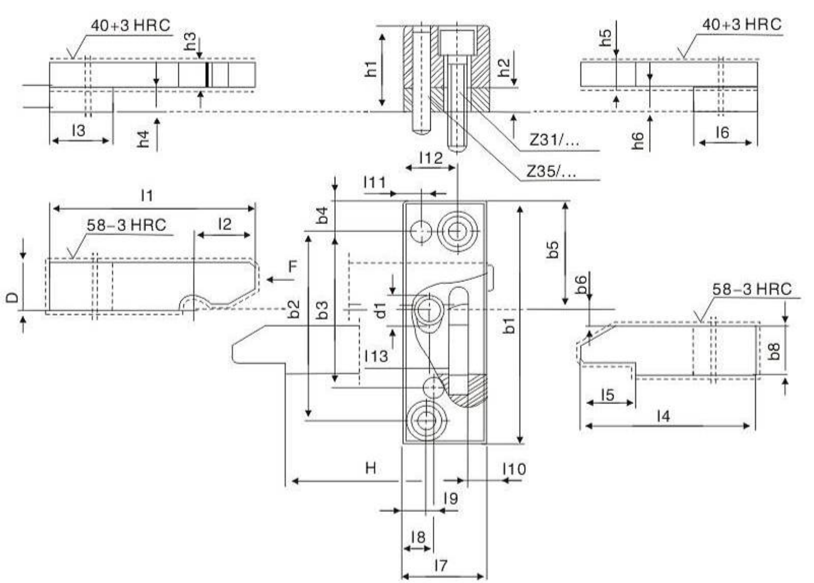
●Order:Type

鎖模組件 LATCH LOCK COMPONENTS

鎖模扣 Z170 LATCH LOCK

設計簡潔，容易安裝。操作時具有高度的可靠性。經試驗和測試與Z171可以兩選一使用。

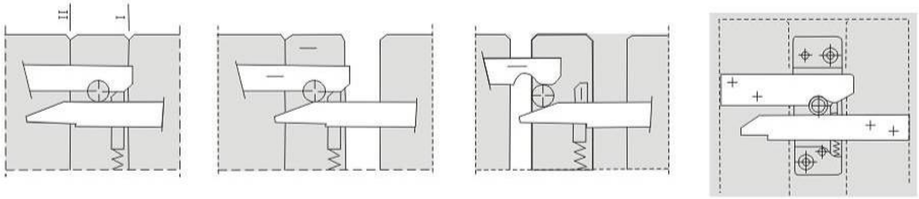
Designed simple, easytoinstall, the height is adjustable when operating. test proved that you can choose one from Z170 and Z171



Type	b1mm	l7mm	b4mm	l11mm	l9mm	l8mm	l12mm	b5mm	l13mm	h2mm	l1mm	b7mm	h3mm	l4mm	單價¥ Unit price
Z170/1	63	22	8	5	6	8	14	28.5	7	6	100	12.5	6	125	
Z170/2	90	34	13	8	8	18	24	45	16	7.5	140	20	12.5	160	
Z170/3	110	42	15	9	9	22	31	55	20	12	200	25	16	250	

Order: Type No. x Pcs
Z170/1 x 10

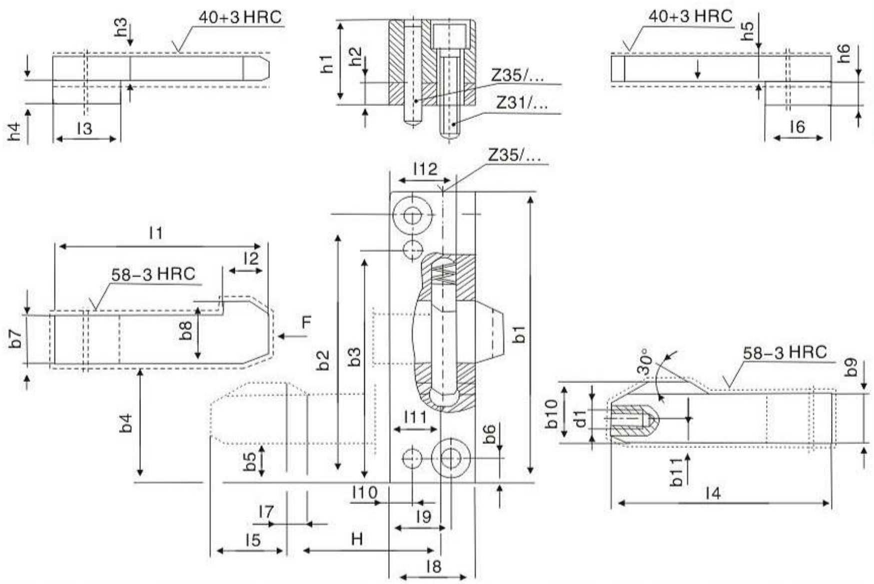
Example 使用例



鎖模扣 Z171 LATCH LOCK

設計簡潔，容易安裝。操作時具有高度的可靠性。經試驗和測試與Z170可以兩選一使用。

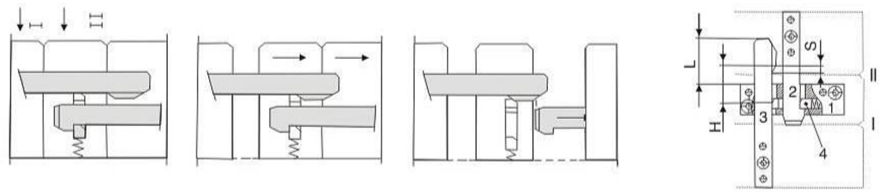
Designed simple, easytoinstall, the height is adjustable when operating. test proved that you can choose one from Z171 and Z170.



Type	b1mm	l8mm	l9mm	l10mm	b6mm	b3mm	b2mm	h2mm	l1mm	b7mm	b8mm	h3mm	l4mm	b9mm	單價¥ Unit price
Z171/1	75	22	16	6	6	60	69	6	140	12.5	16	6	140	12.5	
Z171/2	90	31.5	24	8	7	73	83	7.5	180	16	20.5	12.5	180	16	
Z171/3	112	40	30	10	9	88	103	12	250	20	25.5	16	250	20	

Order: Type No. x Pcs
Z171/1 x 10

Example
使用例

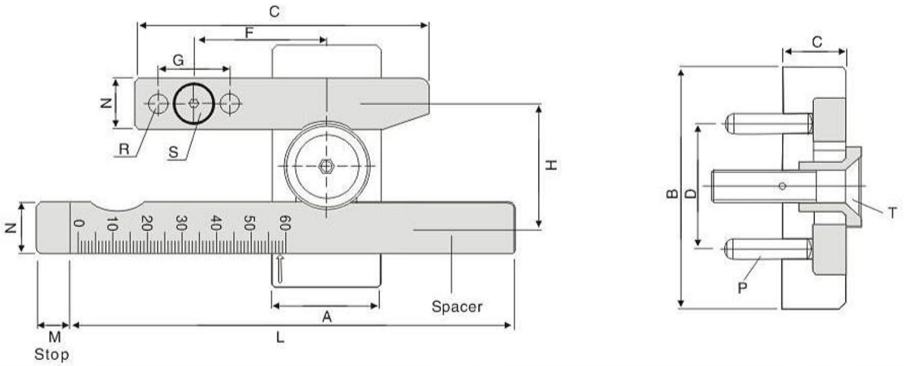


鎖模扣 GGS LATCH LOCK

材質：1.0503
硬度：55° ± 3°HRC

獨特的設計與精確的刻度尺保證了在第一次開模具有很高的精度。
比傳統模式更節約成本，優化模具結構。

More accurate first plate opening compared to other conventional systems.
Scale lever indicates opening of the first plate.
Reduces costs compared to conventional mechanisms.



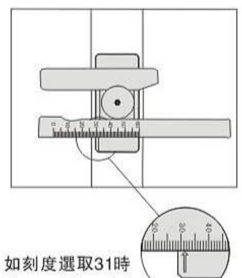
Type	尺寸Size															sca	單價 ¥ Unit price
	A	B	C	D	E	F	G	H	L	M	N	P(x2)	R(x4)	S(x2)	T		
GGS.226616	22	66	16	38	75	30	25	32	105	10	15	ϕ 6x20	ϕ 6x30	M6x30	M6x35	40	
GGS.368619	36	86	19	46	102	43	32	42.7	153	12	20	ϕ 8x24	ϕ 8x36	M8x36	M8x40	60	
GGS.421024	42	106	24	56	124	51	40	50.2	190	15	24.5	ϕ 10x30	ϕ 10x40	M10x40	M10x45	80	

Order: Type No. x Pcs
GGS.226616 x 10

※注意：選擇所需的行程後，再固定墊板上的刻度杆。
Note: Fixup the scale bar in cushion plate before choose the length.

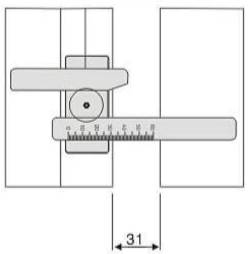
Example 使用例

合模狀態
Closed state



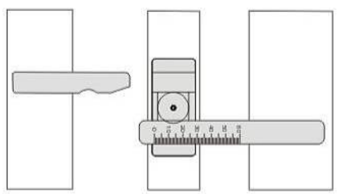
如刻度選取31時
Choose 31 inscalebar

第一次開模
The first time open mole



開模行程爲31
Openmold leng th is 31

第二次開模
The second time open mole

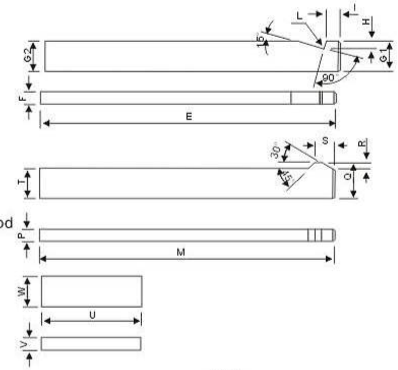


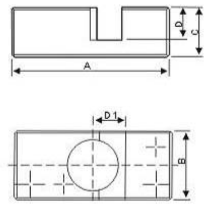
完全分離
Separate completely

鎖模扣 LLL LATCH LOCK

消除了打碎模具的可能性，因爲不需要任何可以改變的調整或需要外碰掉的連接。適用于一般的或重型的模具，每副模具最少需要四個鎖模扣。

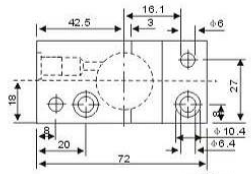
To eliminate the possible break the mold, because it does not require any can be changed to adjust or may be connected to accidentally drop. Applicable to general or heavy die, each mold need at least four locking buckle.



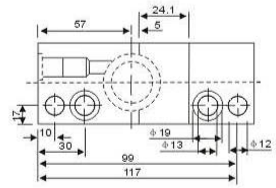


鎖模機架
Locking blocks

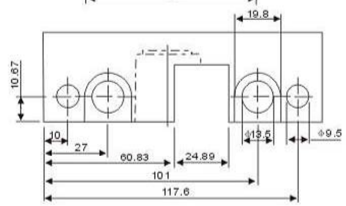
LLL051E



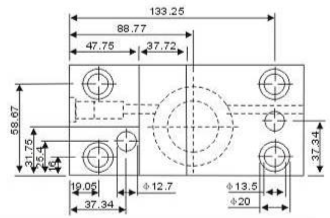
LLL101E



LLL151



LLL201



Type	尺寸 Size										
	A	B	C	D NOM.	E	F	G1 NOM.	G2 NOM.	H	I NOM.	L RAD
LLL 051E	80	35	25	16.2	180	7.9	16	16	3.4	6	1
LLL 101E	127	47	37	22.2	254	11.9	24	24	3.5	12	
LLL 151		49.2	36.5			12.07	24.56	24.81	2.92	12.7	0.75
LLL 201	152.5	74.6	61.9	38.1	406	24.77	37.21	37.46	4.75	15.9	1

Type	尺寸 Size									單價 ¥ Unit price
	M	P	Q	R NOM	S	T	U	V	W	
LLL 051E	180	7.9	16	3	3.5	12.5	55	8	12	
LLL 101E	254	9.9	24	4	16	20	75	12	20	
LLL 151		9	24.81	4.76	15.87	20.95	76.2	12.39	22.22	
LLL 201	406	12.07	37.46	6.98	22.22	31.87	114.3	25.27	38.1	

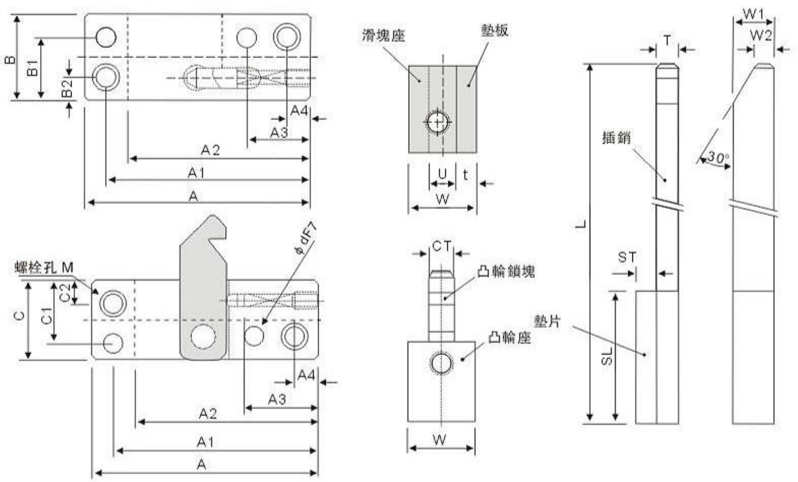
Order: Type No. x Pcs
LLL 051E x 10

鎖模組件系列 Mold locking component series

鎖模扣 PPL LATCH LOCK

此款產品結構小，正確開模，無反作用力。完全沒有鎖模負載，可用于低壓鎖模成形。其動作與合模順序無關。流道板先于分型面閉合時，鎖緊塊起到後退功能。

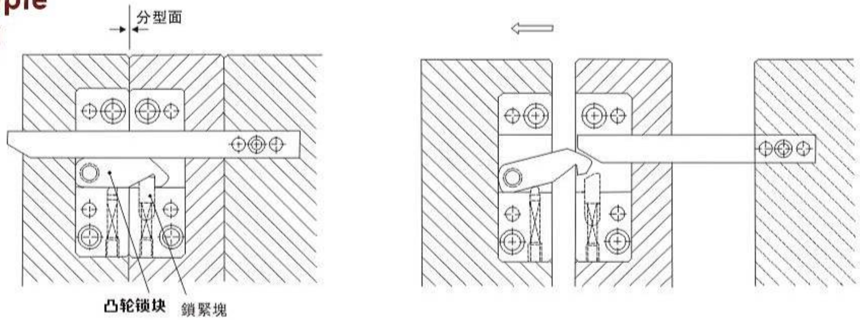
It with small frame, but open mold exactly and no counteractive.no lock load,apply to low pressure lock molding. It's action irrespective of compound molding sequence. locking blocks have back function when hot runner plate close before devide face.



Type	滑塊座・凸輪座														墊板		插銷			墊片			單價 ¥ Unit price
	A	A1	A2	A3	A4	B	B1	B2	C	C1	C2	W	U	螺栓孔M	d	t	w1	w2	T	L	ST	SL	
PPLS (輕負載用)	68	61.5	55	19	7	26	19	7	24	17	7	20	8	M6	¢6	6	13	5.9	7	250	6.5	40	
PPLM (中負載用)	88	79	70	24	9	38	29	9	30	21	9	30	12	M8	¢8	7	16	8	10	300	8	50	
PPLL (重負載用)	104	93	82	27	11	48	37	11	38	27	11	45	20	M10	¢10	8	20	9.5	15.5	350	10.2	55	

Order: Type No. x Pcs
PPLS x 10

Example 使用例



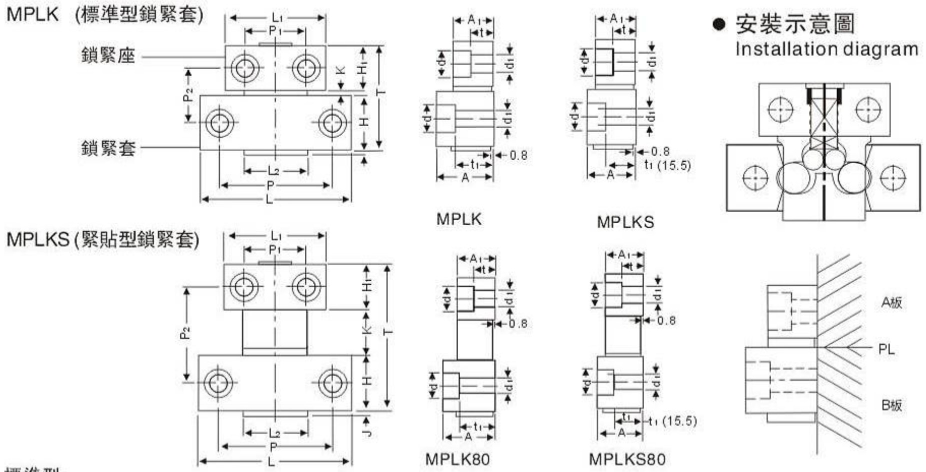
合模狀態 開模中

卡輪式鎖模扣 MPLK/MPLKS LATCH LOCK

材質：SK3(套) + S50C (座)

碟形彈簧，內部滾輪以及卡輪的組合，能使模具的開合具有良好的平衡性。滾輪的旋轉能較好的防止偏心磨損的發生。鎖緊套爲上下對稱式，所以若有磨損也可倒置安裝以再次使用。因爲鎖緊座的背面有避空位，所以模板上有臺階時也可以使用。

Disc spring, and a combination of internal roller card wheel, can make the opening and closing of the mould has good balance. Wheel rotation can better prevent eccentric wear occurs. The locking sleeve is symmetric, so if the wear can also be installed to use again. Because the back of the locking seat is avoiding vacancy, can also use so the template has the steps.



標準型：

Type		尺寸Size L	L1	L2	T	H	H1	J	K	P	P1	P2	A	A1	t	t1	d	d1	拉力 (kgf) 1套 (常溫狀態)	單價 ¥ Unit price
MPLK (標準型鎖緊套)	10	48	36	25	42	22	18	2	2	36	24	22	24	16	9.5	18	11	6.5	50	
	20	54	42							40	28				9	16			100	
	30	65	46	35	48.5	25	20	3.5	3.5	50	31	26	27	19	9.5	17		7	150	
	60	73	50							52	33						14	9	300	
	80S				56.5				11.5			34							400	
	100	103	65	48	58	30	24	4	4	76	42	31	34	25	13	19	17	11	500	
MPLKS (緊貼型鎖緊套)	30	65	46	35	48.5	25	20	3.5	3.5	50	31	26	24	19	9.5	15.5	11	7	150	
	60	73	50							52	33						14	9	300	
	80S				56.5				11.5			34							400	

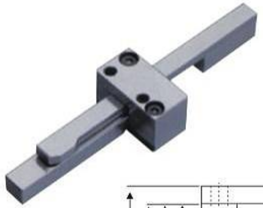
加長型：

Type		尺寸Size L	L1	L2	T	H	H1	J	K	P	P1	P2	A	A1	t	t1	d	d1	拉力 (kgf) 1套 (常溫狀態)	單價 ¥ Unit price
MPLK (標準型鎖緊套)	60	73	50	35	87.5	25	20	3.5	42.5	52	33	65	27	19	9.5	17	14	9	400	
MPLKS (緊貼型鎖緊套)	100												24			15.5				

Order: Type No. x Pcs
MPLK x 10

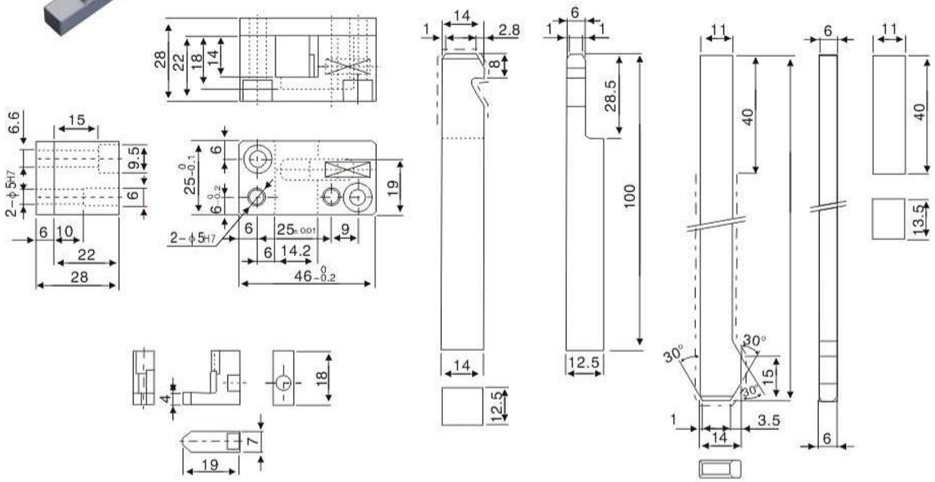
鎖模組件系列 Mold locking component series

鎖模扣 PLSW LATCH LOCK



通過鈎形鎖銷，插銷重復動作的結構，使產品小型化節省安裝空間。也可用于退料板頂出。

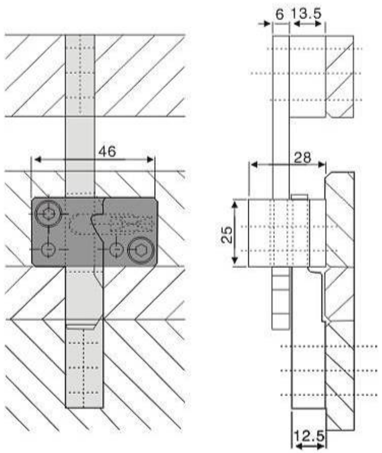
The structure of hooked locking pin and repeated actions of plug pin makes the product miniaturization so that it saves installation space. It can also be used for ejection of stripper plate.



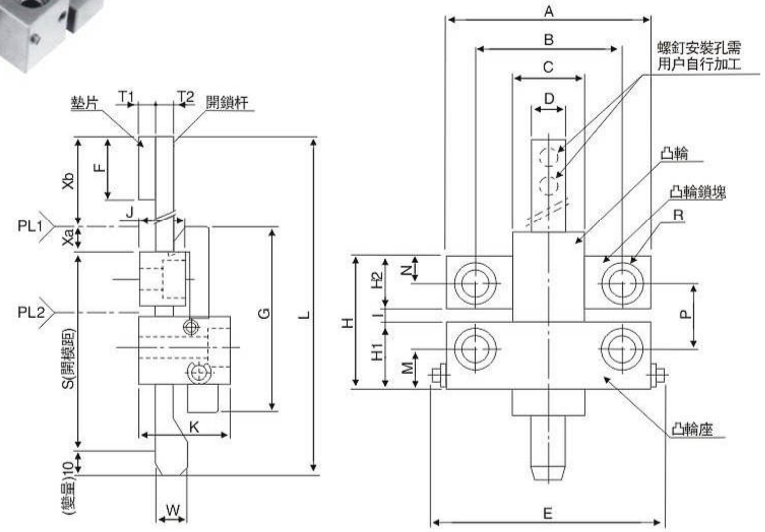
Type	單價 ¥ Unit price
PLSW	

Order: Type No. x Pcs
PLSW x 10

Example
使用例



鎖模扣 TYPE LATCH LOCK



Code No.	Type	斷裂載荷N	A	B	C	D	E	F	G	H	H_1	H_2	I
TYPE	S	44129	73	52	26	12	78	40	69	49	25	20	4
	L	107872	103	76	45	18	108	50	80	58.5	30	24	4.5

Type	J	K	L	M	N	P	T1	T2	R	W	Ⓐ 附件(螺釘CCB)	單價 ¥ Unit price
S	16	32	250	14	10	25	5.5	6	M8	11.2	8x30、8x45 各2件	
L	18	38	300	16.5	12	30	5.5	8	M10	13.2	10x30、10x50 各2件	

Order: Type No. x Pcs
TYPE x 10

Example
使用例

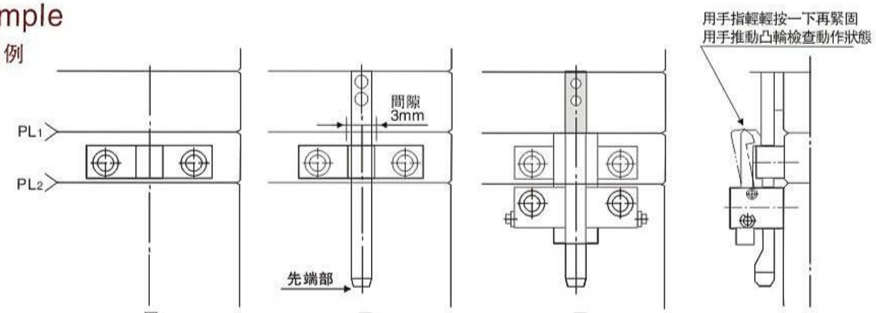
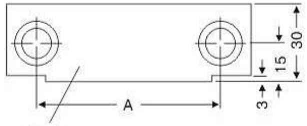


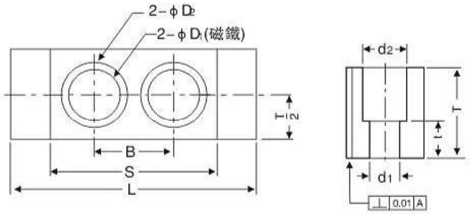
圖1 圖2 圖3

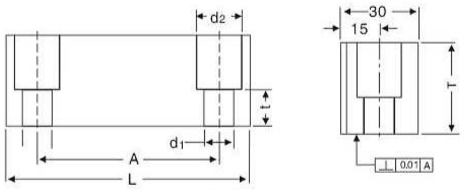
磁力鎖模扣MLK LATCH LOCK

鎖模組件系列 Mold locking component series



底座





方鐵

與其他鎖模扣相比，更容易于安裝。基本不需要在合模時減速。從而縮短了成形周期。

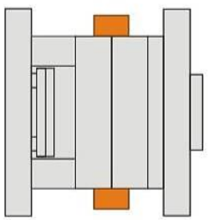
Comparing with other mode locking buckle, it is much easier to install. Deceleration is basically not needed during die assembly so that it shortens shaping cycle.

Type	拉力(kgf) 20℃	A	L	T	t	d1	d2	單價 ¥ Unit price
MLK-40	40kgf	63	80	25	12	9	14	
MLK-80	80kgf							
MLK-100	100kgf	100	126	40	15	11	18	
MLK-200	200kgf							

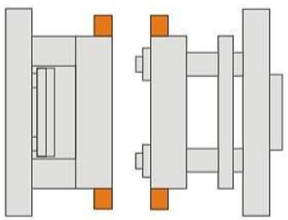
Order: Type No. x Pcs
MLK-40 x 10

Example
使用例

合模狀態



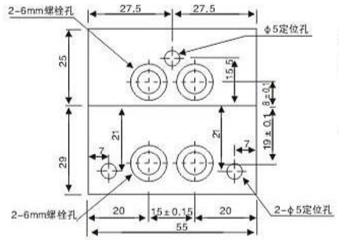
開模狀態



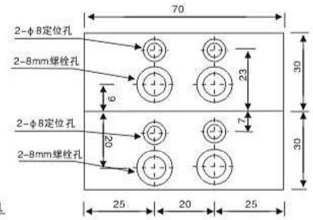
鎖模扣DTP05 LATCH LOCK

適用于三模板之針點射出模，有拉斷料頭與脱模一次完成之功能。精密鑄造而成，精密度，拉勾采用高級合金鋼經熱處理研磨而成，溝力特强，兩側采用耐熱彈簧片，彈性佳，耐熱力强，有數十萬次之開模能力。本鎖模裝置作用力向外側，故不傷模具，裝置時兩邊對稱、固定銷孔用5mm之絞刀絞過後；再以固定銷固定之，以增加固定性。

Applicable to the three template needle injection mold, has the function of breaking the head and release a completed. Precision casting, precision, hook adopts advanced alloy steel by heat treatment and grinding, ditch is particularly strong, on both sides of the use of heat-resistant spring sheet, good elasticity, heat tolerance, several die one hundred thousand times capacity. The locking device to the outside force, not to hurt the mold, after the device has symmetrical sides, fixed pin hole of 5mm cutter knife; and fixed by the fixing pin, to increase the fixed.



DPT05/100 200 300kgf

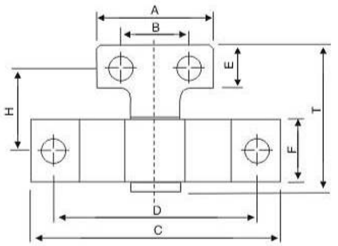


DPT05/600kgf

Type	拉力(Kgf)	單價 ¥ Unit price
DPT05	100	
	200	
	300	
	600	

Order: Type No. x Pcs
DPT05 x 10

鎖模扣 DTP03A
Latch lock



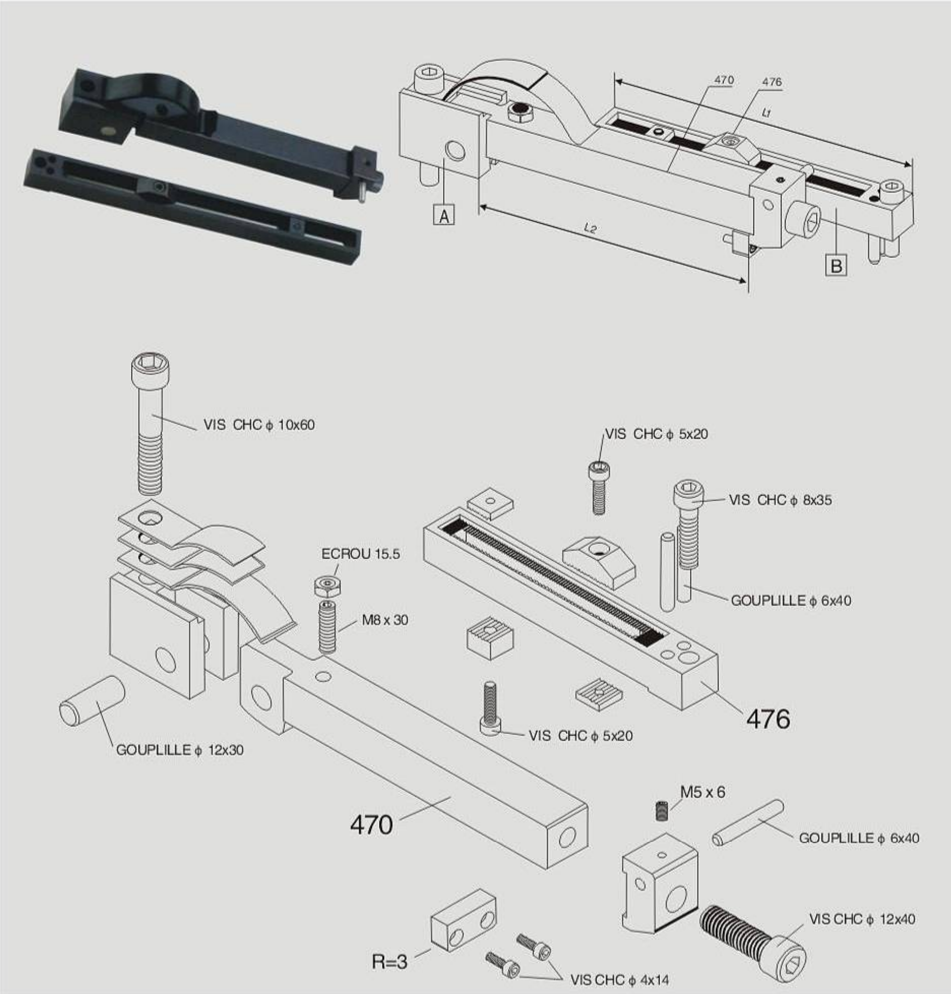
利用簡單之構造，可使用模具完全打開與密合，且裝置簡單互換性高。本裝置最適合三模板之針點射出 有拉斷料頭與脱模一次完全之功能。且采用高級合金鋼熱處理後研磨而成，采用進口彈簧，品質可靠。

With a simple structure, can use the mold completely open and closed, and the device is simple with high interchangeablity. The device is most suitable for pin point injection has snapped three template material and release a fully functional. And the use of high-grade alloy steel after heat treatment and grinding, imported spring, reliable quality.

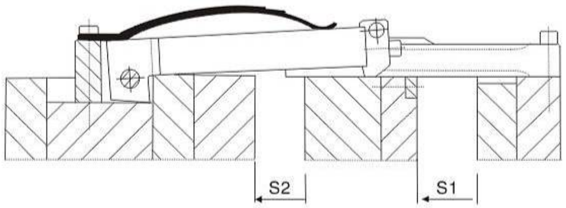
Type	尺寸Size									拉力(Kgf)	單價 ¥ Unit price
	A	B	C	D	E	F	H	T	孔⊕		
DPT03A	40	26	72	60	20	20	23	49	M8	250	
DPT03B	36	22					66	96			
DPT03C	50	30	113	90	22	30	38	73	M10	300	
DPT03D							79	118			
DPT03E							38	73	M12	400	
DPT03F					25		103	135			

Order: Type No. x Pcs
DPT03A x 10

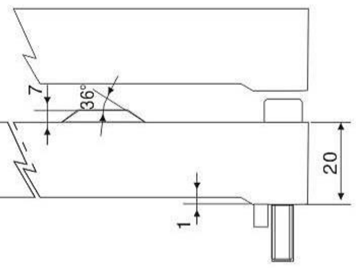
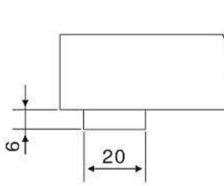
鎖模組件系列 Mold locking component series

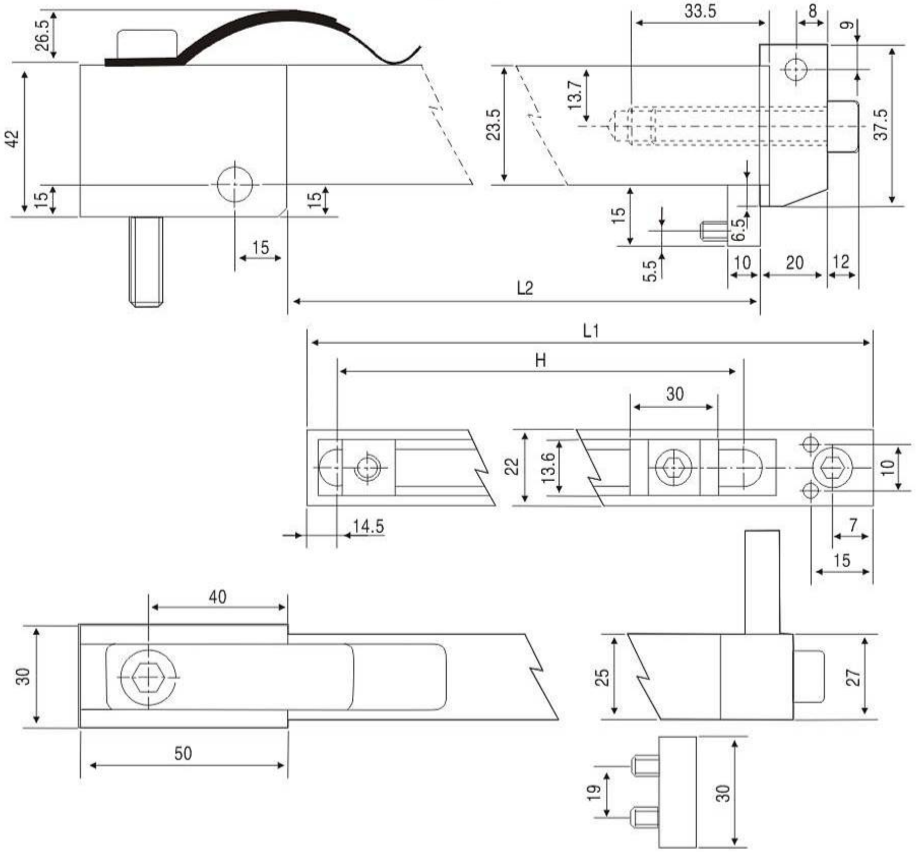


Example
使用例



特點：安裝簡單，彈片設計安全可靠，齒型加工可方便調節距離。
Characteristics: Installation is simple. Design of shrapnel is safe and reliable.
Tooth type processing can be convenient for adjusting distance.

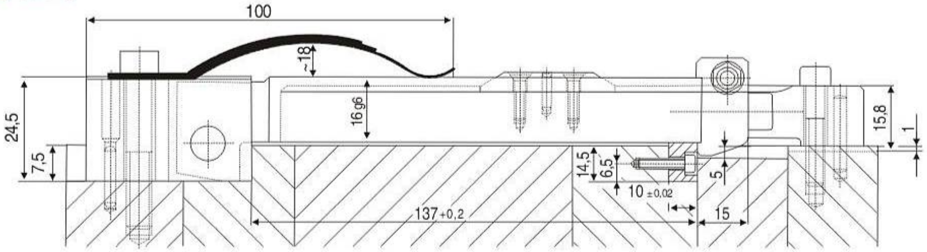


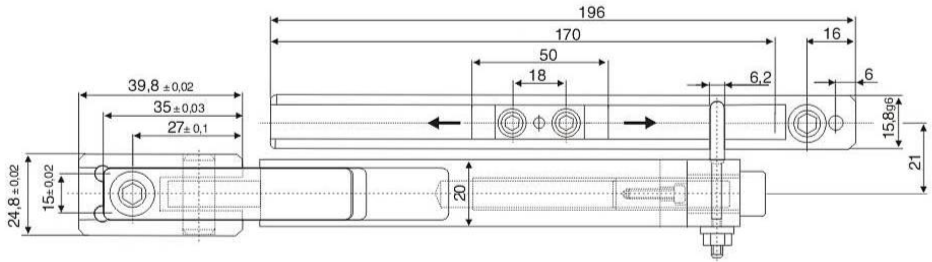
L1	L2	單價 ¥ Unit price
140	90	
204	170	
254	220	

特點：安裝方便，彈簧設計安全可靠，行程需要計算準確，使模具在平衡狀態開模，否則產品會損壞，在模板上至少要2套并對稱安裝。

Characterjstics: Installation is convenient. Spring design is safe and reliable. The stroke needs to be calculated accurately. Implement die opening in equilibrium state. Otherwise, the product will be damaged. There shall be at least 2 sets on template for symmetrical installation.

Z5-0

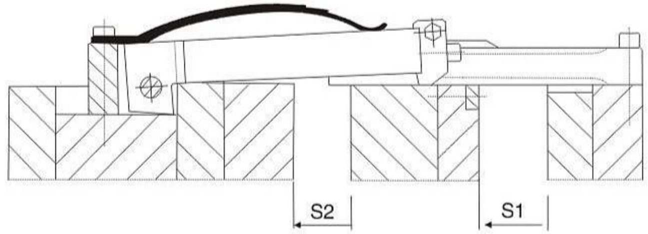




Order: Type No. x Pcs
Z5-0 x 10

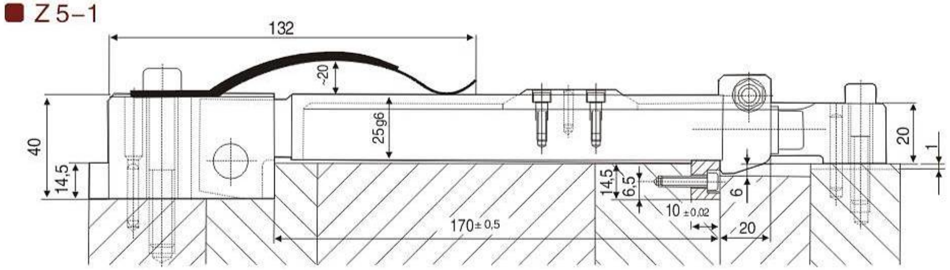
Type	單價￥ Unit price
Z5-0	

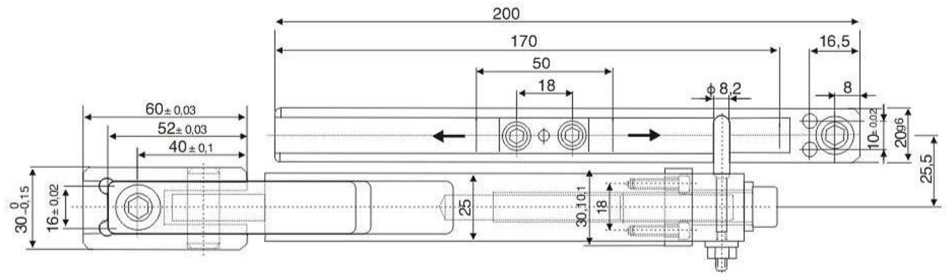
Example
使用例



鎖模扣 LATCH LOCK

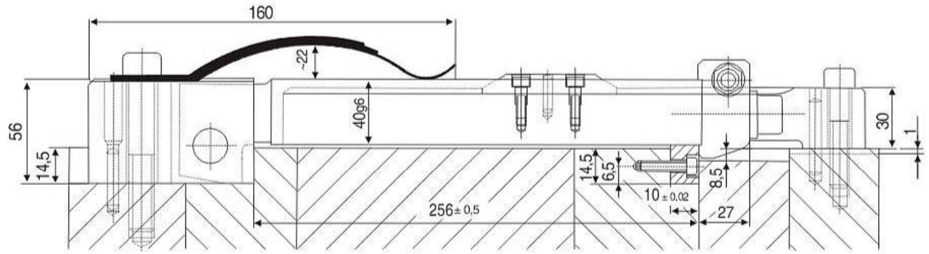
Z5-1

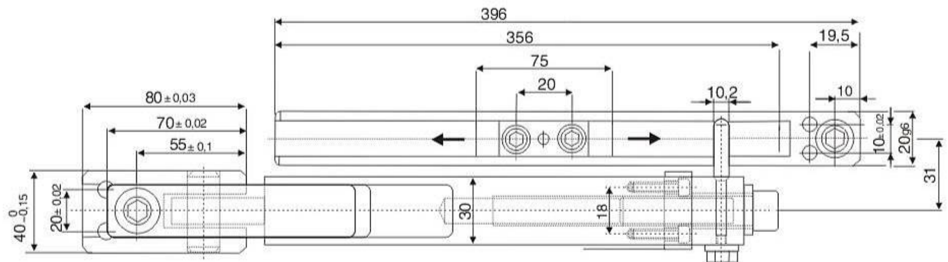




Type	單價￥ Unit price
Z5-1	

Z5-2

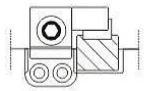


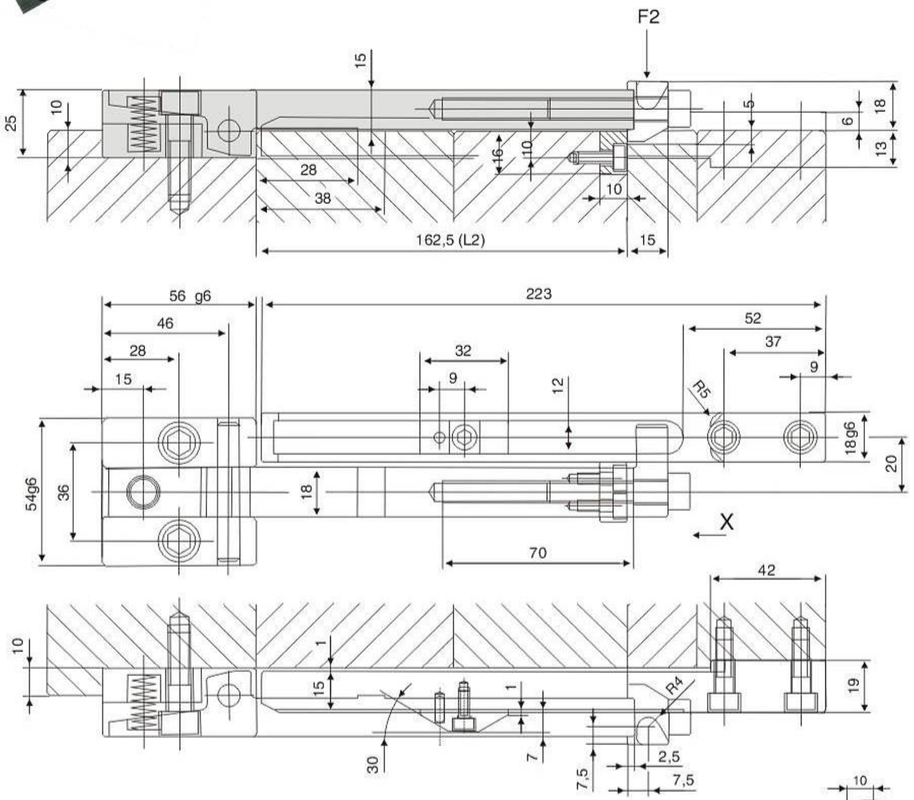


Type	單價￥ Unit price
Z5-2	

鎖模扣 Z 5-31 LATCH LOCK

特點：彈簧設計安全可靠，產品分左右可在模具加工安裝中更簡單，在模板上至少要2套并對稱安裝。
Characteristics: Spring design is safe and reliable. Left and right are separated for the product so that die processing and installation become much simpler There shall be at least 2 sets on template for symmetrical installation.

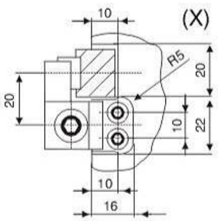




Type	單價 ¥ Unit price
Z 5-31	

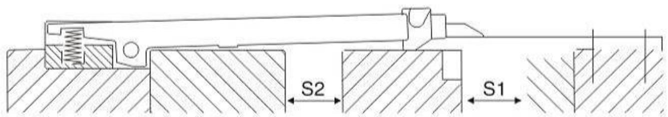
L2=162.5	F2=~30N
L2=110.5	F2=~48N

max.180℃



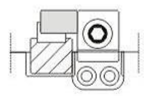
Order: Type No. x Pcs
Z5-31 X 10

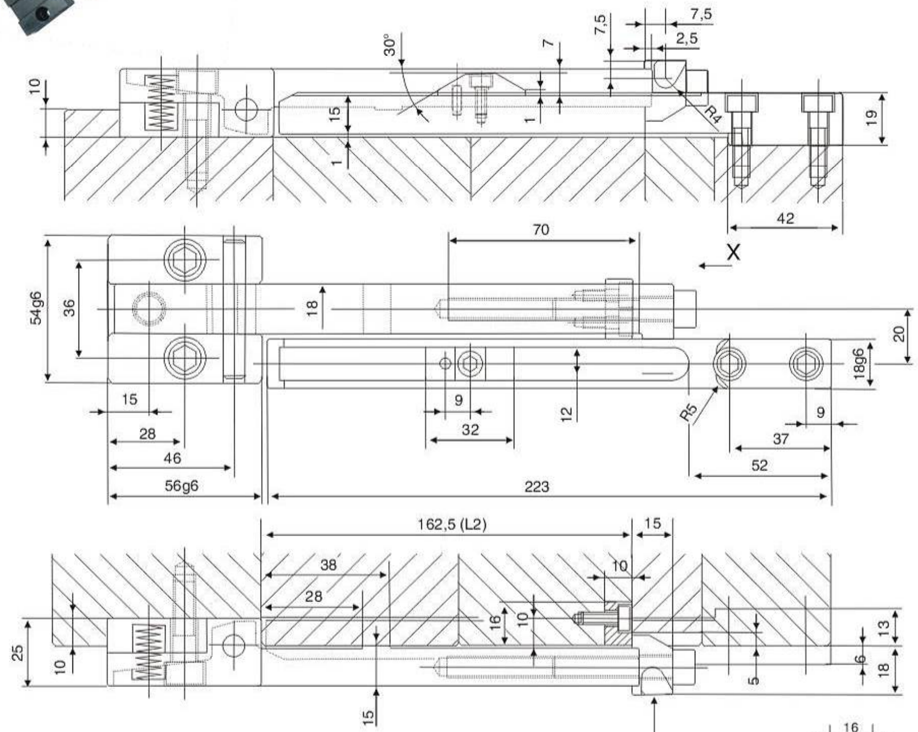
Example
使用例



鎖模扣 Z 5-32 LATCH LOCK

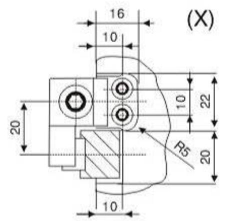
特點：彈簧設計安全可靠，產品分左右可在模具加工安裝中更簡單，在模板上至少要2套并對稱安裝。
Characteristics: Spring design is safe and reliable. Left and right are separated for the product so that die processing and installation become much simpler There shall be at least 2 sets on template





L2=162.5	F2=~30N
L2=110.5	F2=~48N

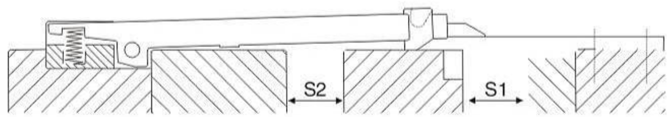
max.180℃



Type	單價 ¥ Unit price
Z 5-32	

Order: Type No. x Pcs
Z5-32 X 10

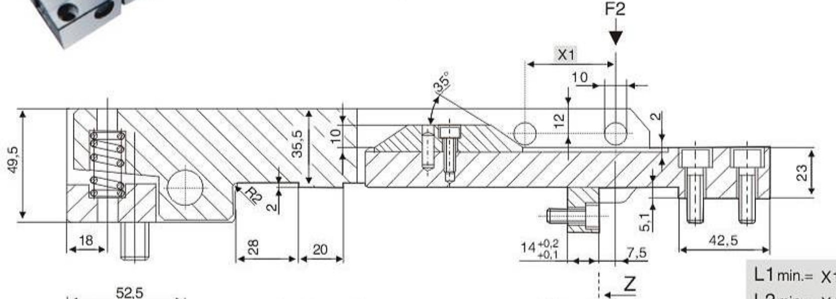
Example
使用例



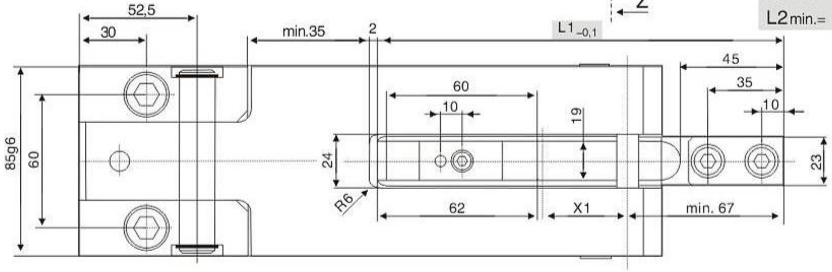
鎖模扣 Z 5-4 LATCH LOCK

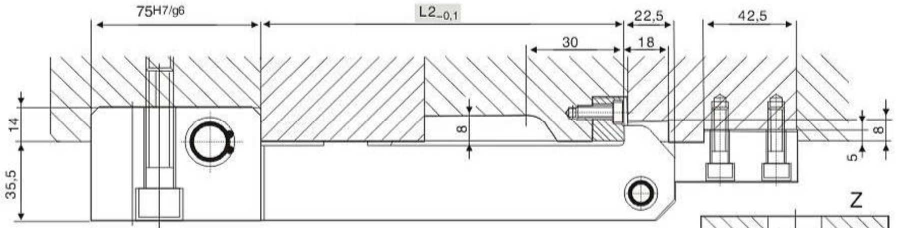
特點：安裝方便，彈簧設計安全可靠，行程需要計算準確，使模具在平衡狀態開模，否則產品會損壞，在模板上至少要2套并對稱安裝。

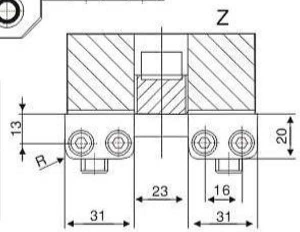
Characteristics: Installation is convenient. Spring design is safe and reliable. The stroke needs to be calculated accurately Implement die opening in equilibrium state. Otherwise, the product will be damaged. There shall be at least 2 sets on template for symmetrical installation.



L1min.= X1 + 130
L2min.= X1 + 100







L2=150	F2=31N	SN2520
L2=200	F2=24N	
L2=250	F2=34N	SN2540
L2=300	F2=29N	

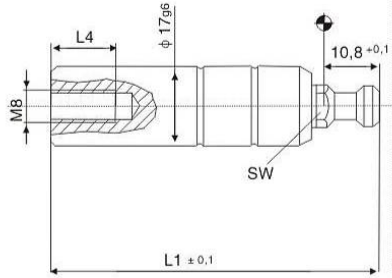
Type	單價¥ Unit price
Z 5-4	

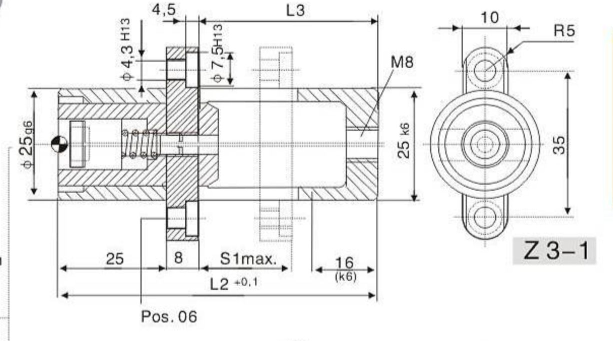
Order: Type No. x Pcs
Z5-4 x 10

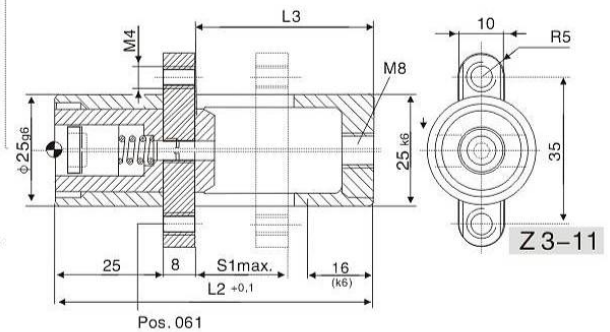
內鎖模扣 Z 3-1 Z3-11 INTERNAL LATCH LOCK

特點：具有復位機構，二次頂出裝置的功能，使用時需良好的潤滑，才能使產品壽命更長、更耐磨。

Characteristics: It has reset mechanism and double ejection device function. Good lubrication is needed in usage so that product life can be much longer and the product can become more abrasion resistant.





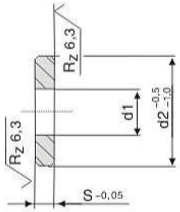


注意事項：在模具加工中請精確加工對稱安裝，至少使用2套模具以上，請根據不同模具的負荷決定數量及規格。

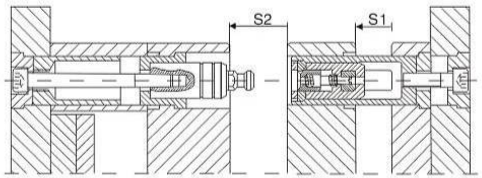
S1mas.	L1	L2	L3	L4	Unit price
16	45	66	33	20	
	70			40	
	100				

S1mas.	L1	L2	L3	L4	Unit price
40	100	90	57	40	
	125				
60	125	110	77		
	150				

Order: Type No. x Pcs
Z3-1 x 10



*E*xample
使用例

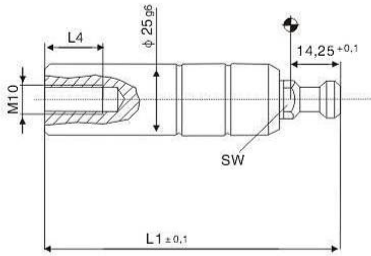


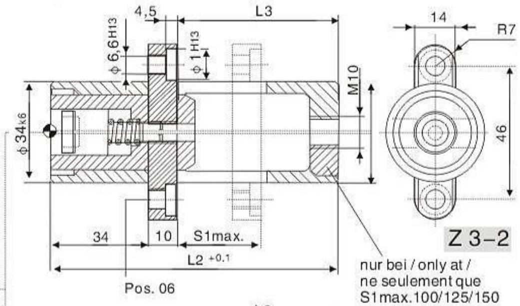
d2	S	d1
17	5	8.5
	10	

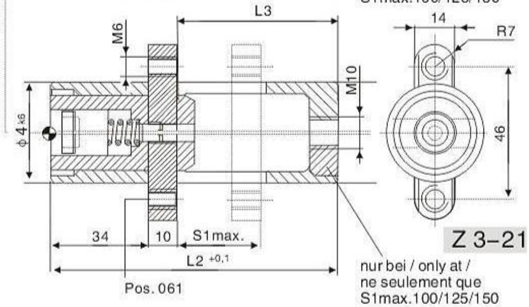
d2	S	d1
25	5	8.5
	10	

内鎖模扣 Z 3-2 Z 3-21 INTERNAL LATCH LOCK

特點：具有復位機構，二次頂出裝置的功能，使用時需良好的潤滑，才能使產品壽命更長、更耐磨。
Characteristics: It has reset mechanism and double ejection device function. Good lubrication is needed in usage so that product life can be much longer and the product can become more abrasion resistant.





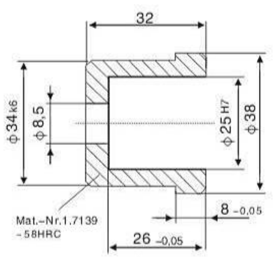


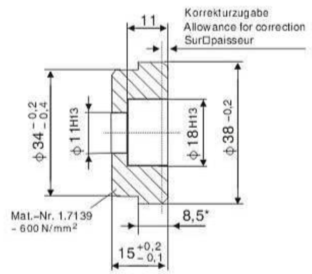
注意事項：在模具加工中請精確加工對稱安裝，至少使用2套模具以上，請根據不同模具的負荷決定數量及規格。

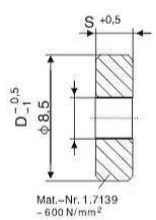
S1mas.	L1	L2	L3	L4	Unit price
25	70	86	42	40	
	120				
	170				
50	120	111	67		
	170				
75	120	136	92		
	170				

S1mas.	L1	L2	L3	L4	Unit price
100	220	161	117	40	
	270				
125	220	186	142		
	270				
150	220	211	167		
	270				

Order: Type No. x Pcs
Z3-2 x 10







Pos.	
09	

Pos.	
10	

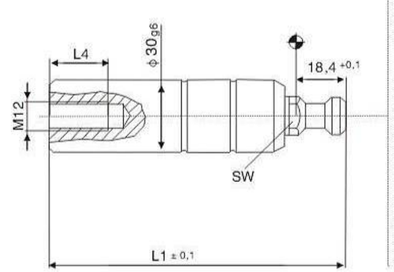
Pos.	S	D
11	5	25
	10	

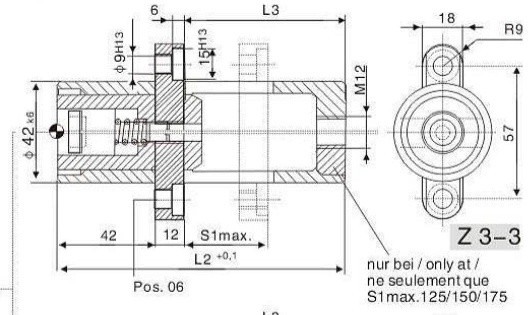
Pos.	S	D
12	5	34
	10	

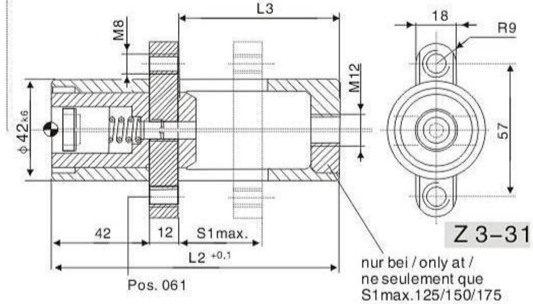
鎖模組件系列 Mold locking component series

内鎖模扣 Z 3-3 Z 3-31 INTERNAL LATCH IOCK

特點：具有復位機構，二次頂出裝置的功能，使用時需良好的潤滑，才能使產品壽命更長、更耐磨。
Characteristics: It has reset mechanism and double ejection device function. Good lubrication is needed in usage so that product life can be much longer and the product can become more abrasion resistant.





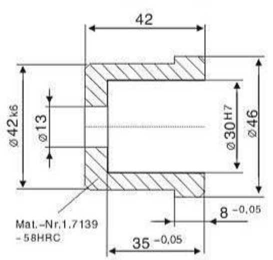


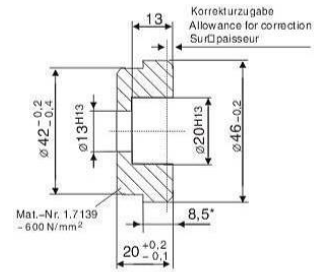
注意事項：在模具加工中請精確加工對稱安裝，至少使用2套模具以上，請根據不同模具的負荷決定數量及規格。

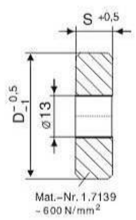
S1mas.	L1	L2	L3	L4	Unit price
50	125	130	76	50	
	175				
	225				
75	175	155	101		
	225				
100	175	180	126		
	225				

S1mas.	L1	L2	L3	L4	Unit price
125	275	205	151	50	
	325				
150	275	230	176		
	325				
175	275	255	201		
	325				

Order: Type No. x Pcs
Z3-3 x 10







Pos.	
09	

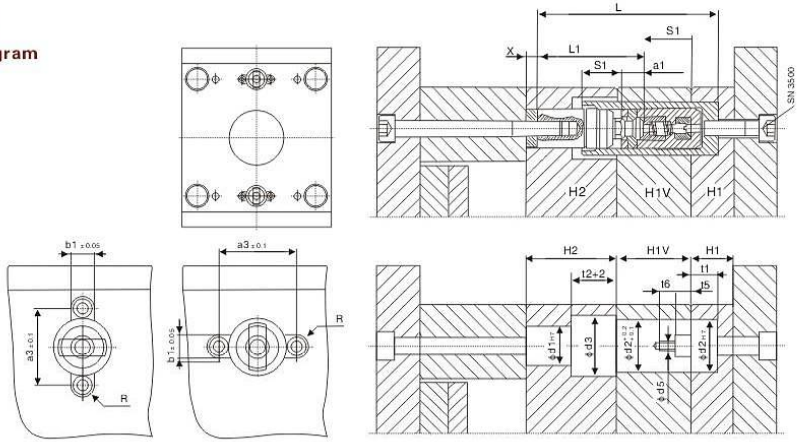
Pos.	
10	

Pos.	S	D
11	5	30
	10	

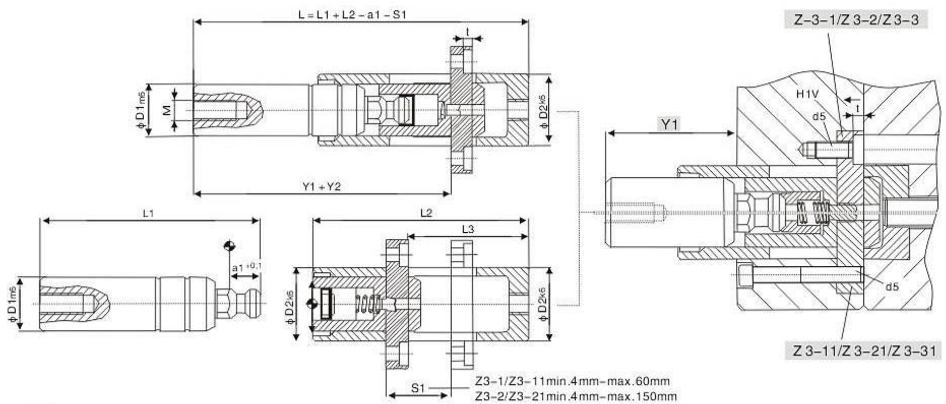
Pos.	S	D
12	5	42
	10	

鎖模組件系列 Mold locking component series

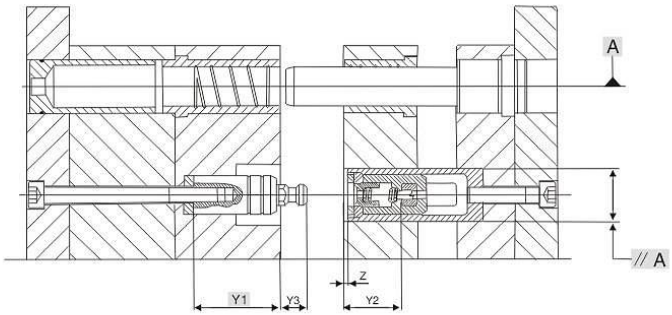
加工示意圖
Installation diagram



Type	a1	a2	a3	b1	d1	d2	d3	d4	d5	t	t5	t6	M	R
Z3-1/Z3-11	10,8	–	35	10,1	17	25	27	–	M4	4,5	8	8	8	5
Z3-2/Z3-21	14,25	18	46	14,1	25	34	36	39	M6	4,5	10	10	10	7
Z3-3/Z3-31	18,4	27	57	18,1	30	42	44	47	M8	6	12	12	12	9

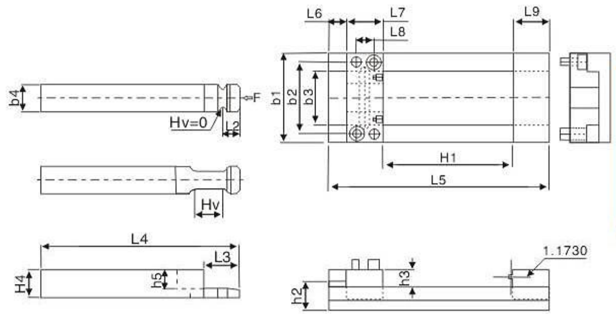


Example
使用例



特點：安裝加工簡單，機械互鎖設計，安全可靠，連體式方型定位，使產品更精準。可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

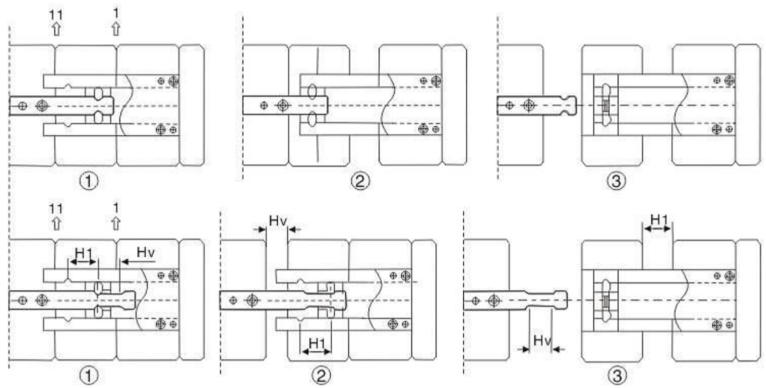
Characteristics: Installation and processing are simple. Design of mechanical interlock is safe and reliable. Connecting body and square positioning make product more accurate. People can select corresponding product according to die load. There shall be at least 2 sets on template for symmetrical use. Operating temperature range is 120℃.



Type	b1	H1	Hv	L5	L4	L3	L2	h5	h4	h3	h2	h1	b4	b3	b2	L9	L8	L7	L6	安裝螺絲	定位銷	F(N)	單價
Z174/50	50	90	0	140	140	20	9.75	10	16	9.3	16	22.3	15	30.05	40	20	10	20	10	M4x12	6x20	16000	
			20			40																	
		130	0	180	180	20																	
			50			70																	
Z174/80	80	117	0	200	200	34	16.75	13	12.3	9.3	22	30.3	20	45.05	60	34	16	34	15	M6x16	6x20	27000	
			32			66																	
		167	0	250	250	34																	
			75			109																	
Z174/100	100	145	0	250	250	45	22.25	16	15.5	9.3	27	37.5	25	60.05	80	45	22	45	15	M8x18	8x24	48000	
			50			95																	
		195	0	300	300	45																	
			80			125																	

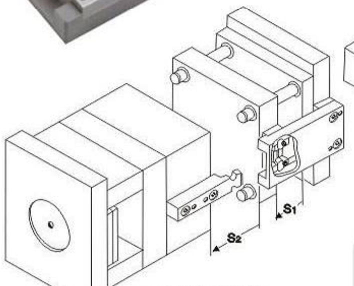
Order: Type No. x H1 x Hv x Pcs
Z174/50 x 90 x 0 x 10

Example
使用例

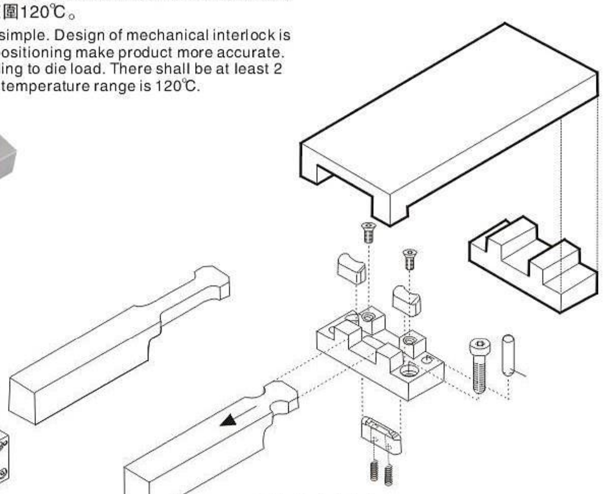


特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

Characteristics: Installation and processing are simple. Design of mechanical interlock is safe and reliable. Connecting body and square positioning make product more accurate. People can select corresponding product according to die load. There shall be at least 2 sets on template for symmetrical use. Operating temperature range is 120℃.



● 安裝示意圖
Installation diagram



● 產品分解圖
Product breakdown drawing

※注意事項：在模具加工中，必須計算相同的行程對稱安裝，否則會導致單套鎖模扣受力不平衡，導致組件斷裂。

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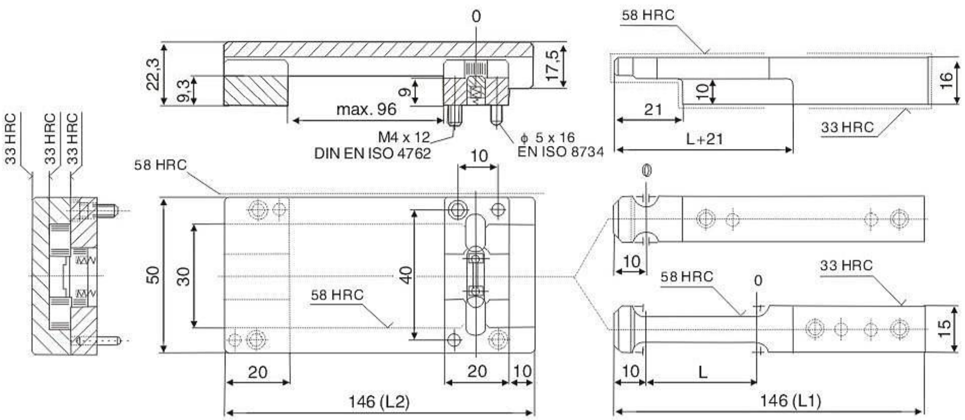
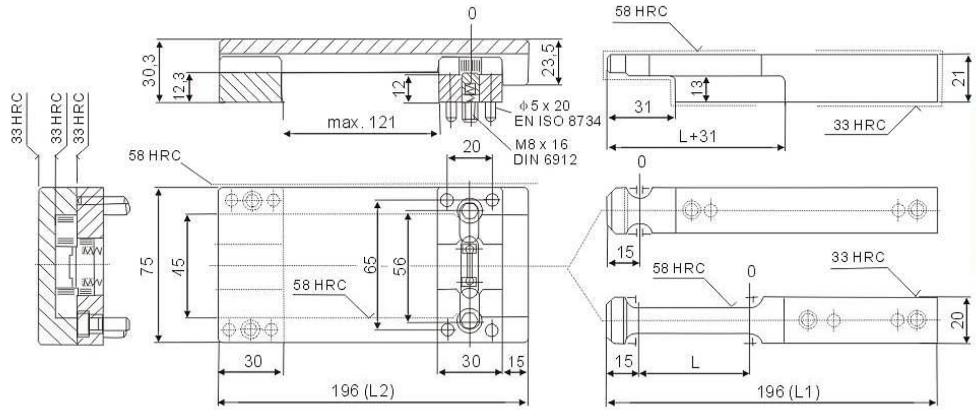


Z4-1-0-0	L=0	單價 ¥ Unit price
Z4-1-25-0	L=0-25	

Z4-1-50-0	L=0-50	單價 ¥ Unit price
Z4-1-75-0	L=0-75	

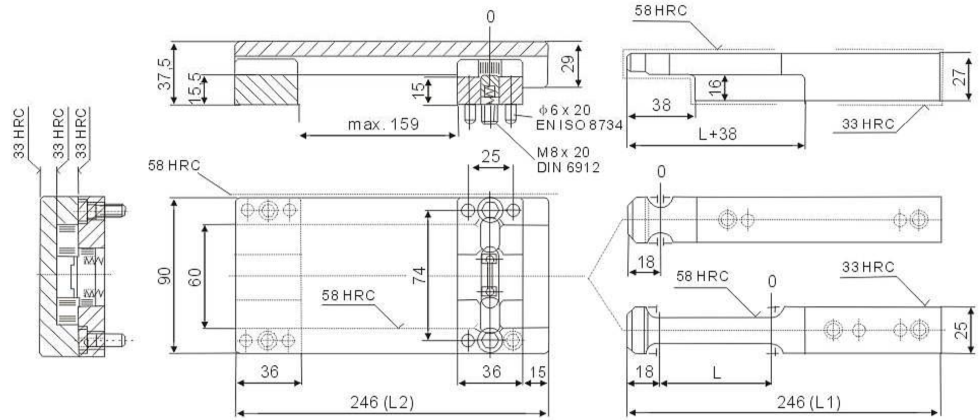
Order: Type No. x Pcs
Z4-1-0-0 x 10



Z4-15-0-0	L=0	單價 ¥ Unit price
Z4-15-25-0	L=0-25	

Z4-15-50-0	L=0-50	單價 ¥ Unit price
Z4-15-75-0	L=0-75	

Order: Type No. x Pcs
Z4-15-0-0 x 10



Z4-2-0-0	L=0	單價 ¥ Unit price
Z4-2-25-0	L=0-25	

Z4-2-50-0	L=0-50	單價 ¥ Unit price
Z4-2-75-0	L=0-75	

Order: Type No. x Pcs
Z4-2-0-0 x 10

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

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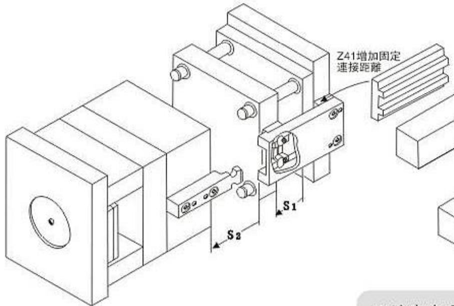
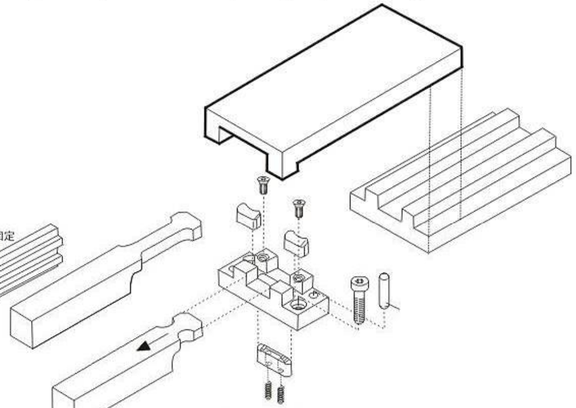


● 安裝示意圖
Installation diagram



● 產品分解圖
Product breakdown drawing

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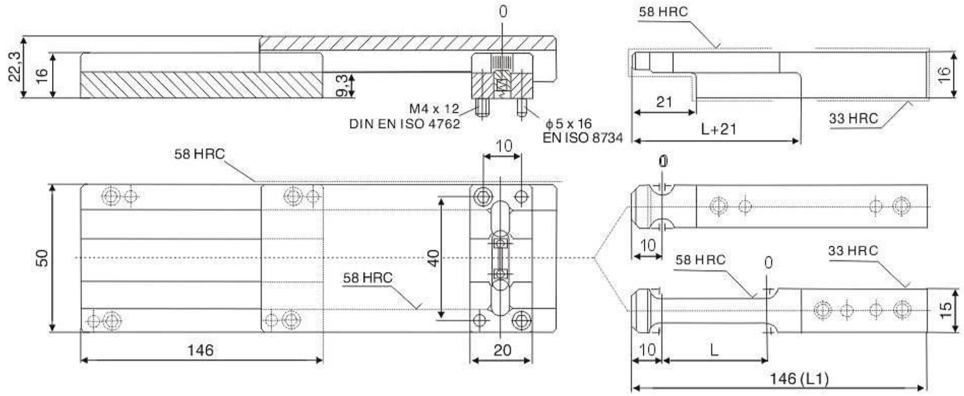
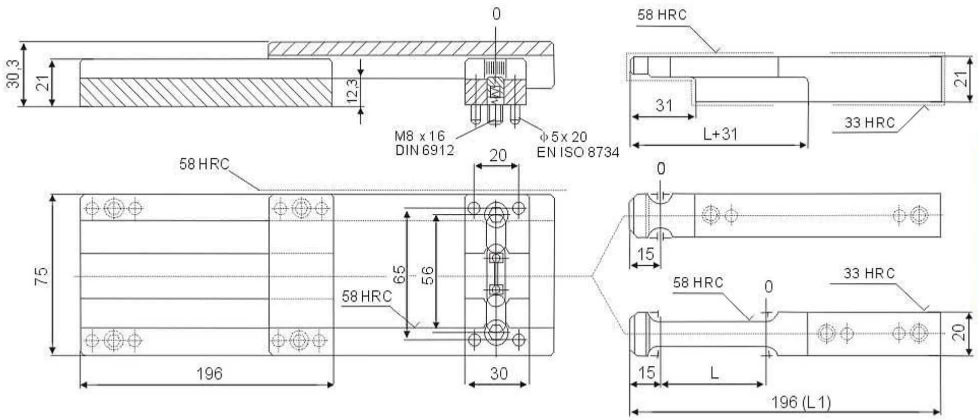


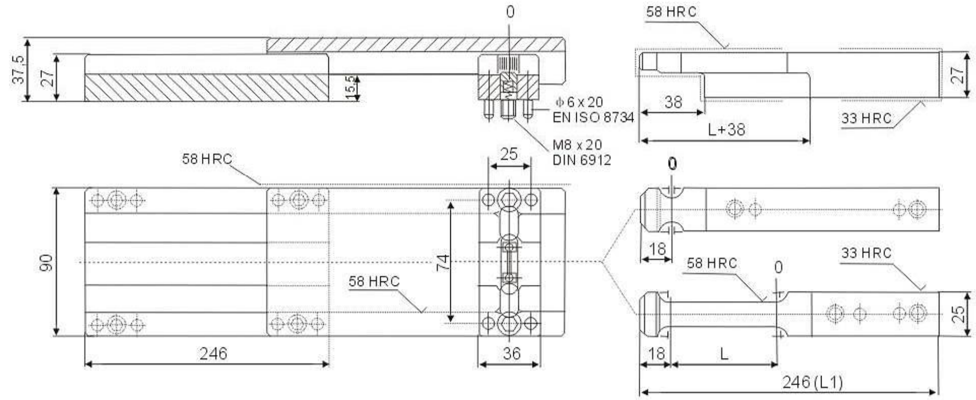
Z4-1-0-41	L=0	單價 ¥ Unit price	Z4-1-50-41	L=0-50	單價 ¥ Unit price
Z4-1-25-41	L=0-25		Z4-1-75-41	L=0-75	

Order: Type No. x Pcs
Z4-1-0-41 x 10



Z4-15-0-41	L=0	單價 ¥ Unit price	Z4-15-50-41	L=0-50	單價 ¥ Unit price
Z4-15-25-41	L=0-25		Z4-15-75-41	L=0-75	

Order: Type No. x Pcs
Z4-15-0-41 x 10



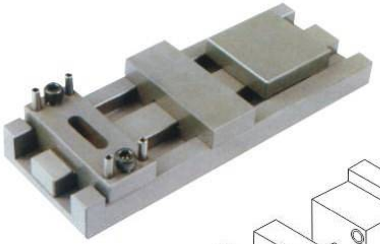
Z4-2-0-41	L=0	單價 ¥ Unit price	Z4-2-50-41	L=0-50	單價 ¥ Unit price
Z4-2-25-41	L=0-25		Z4-2-75-41	L=0-75	

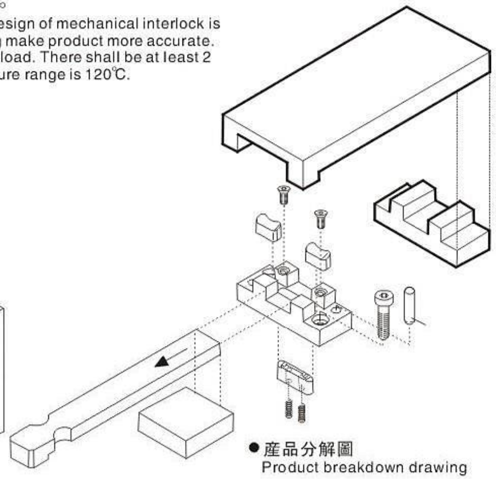
Order: Type No. x Pcs
Z4-2-0-41 x 10

鎖模扣 Z4-1 LATCH LOCK

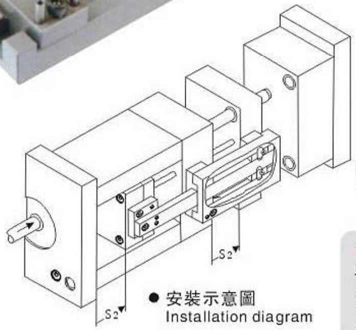
特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

Characteristics: Installation and processing are simple. Design of mechanical interlock is safe and reliable. Connecting body and square positioning make product more accurate. People can select corresponding product according to die load. There shall be at least 2 sets on template for symmetrical use. Operating temperature range is 120℃.





● 產品分解圖
Product breakdown drawing



● 安裝示意圖
Installation diagram

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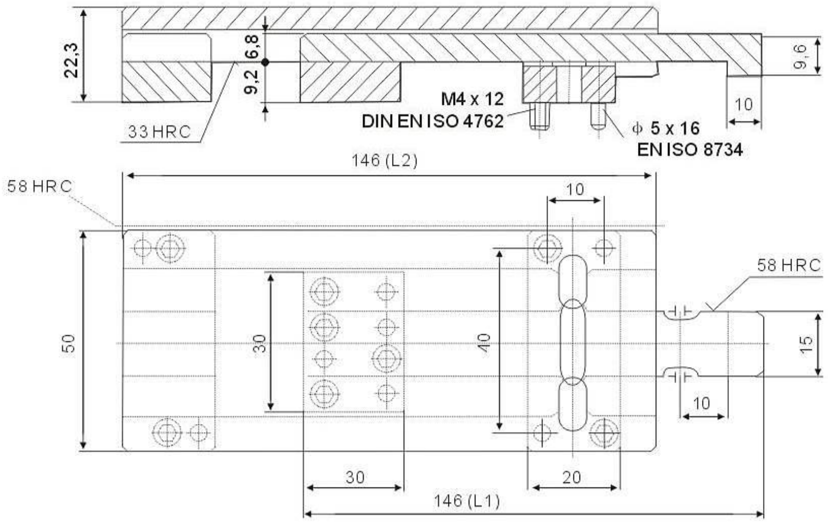
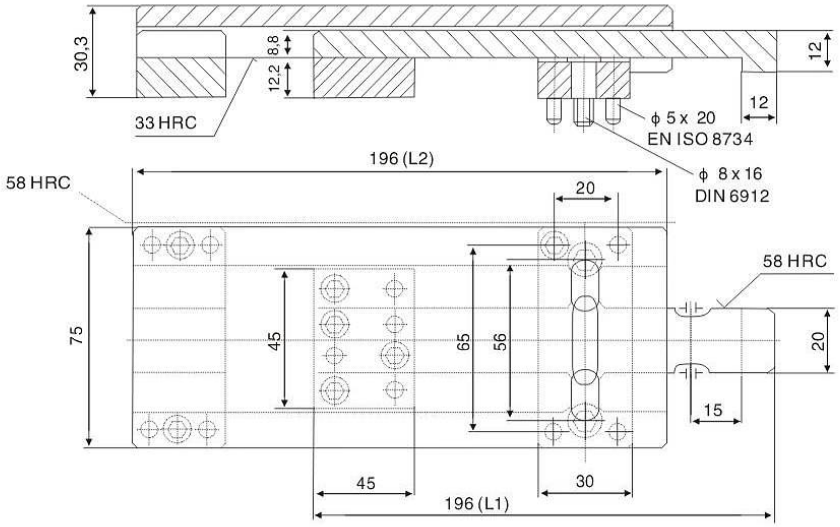


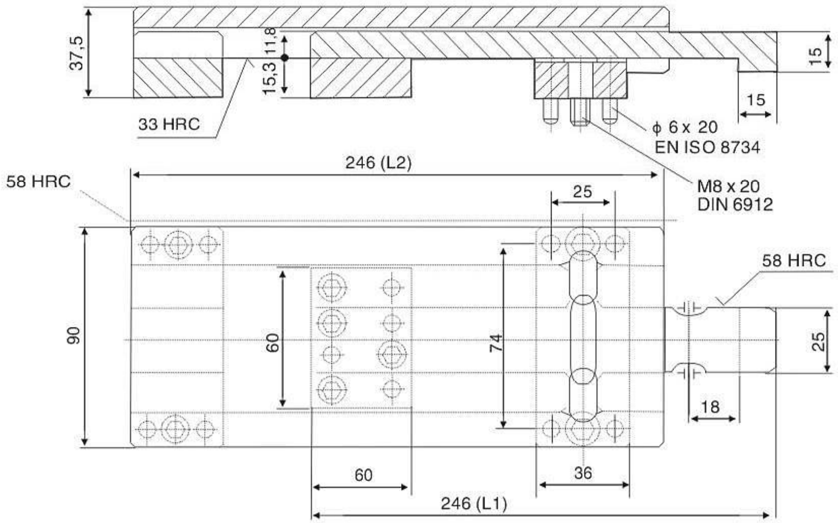
Type	單價 ¥ Unit price
Z 4-1-1-0	

Order: Type No. x Pcs
Z4-1-1-0 x 10



Type	單價 ¥ Unit price
Z 4-15-1-0	

Order: Type No. x Pcs
Z4-15-1-0 x 10



Type	單價 ¥ Unit price
Z 4-2-1-0	

Order: Type No. x Pcs
Z4-2-1-0 x 10

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

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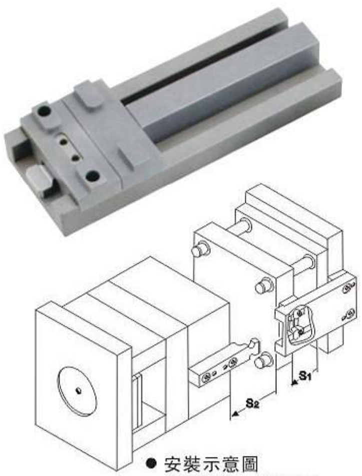
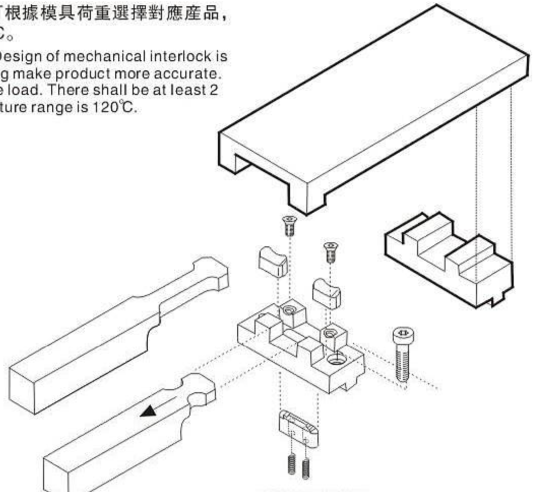


● 安裝示意圖
Installation diagram



● 產品分解圖
Product breakdown drawing

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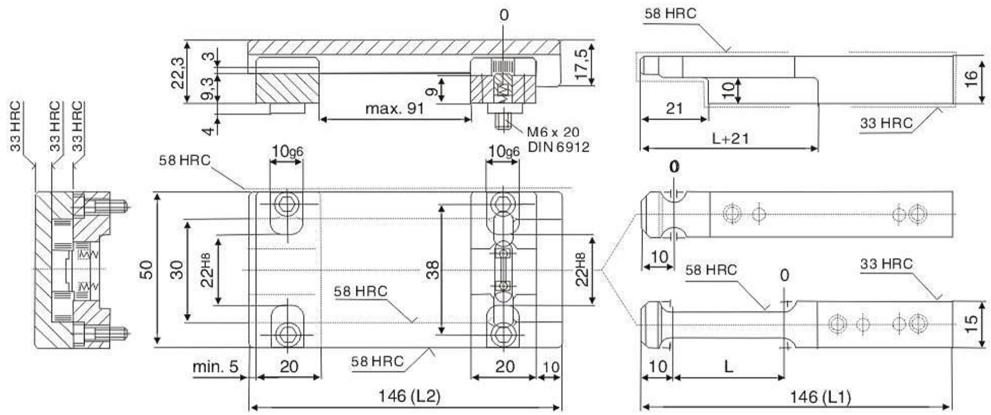
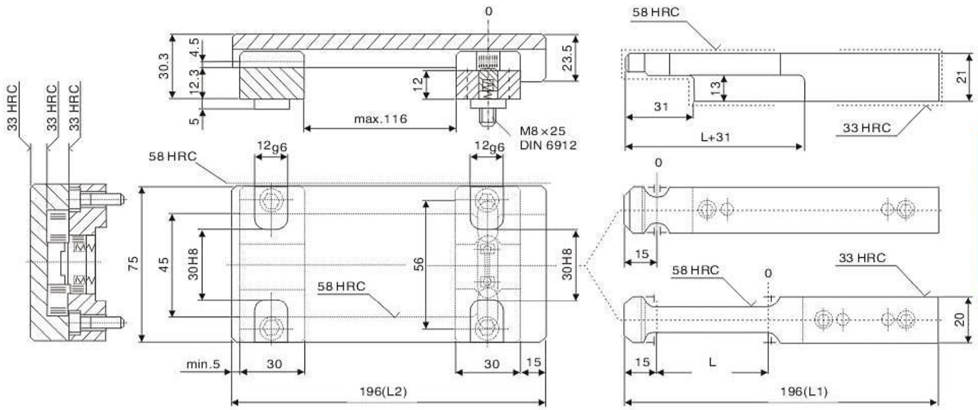


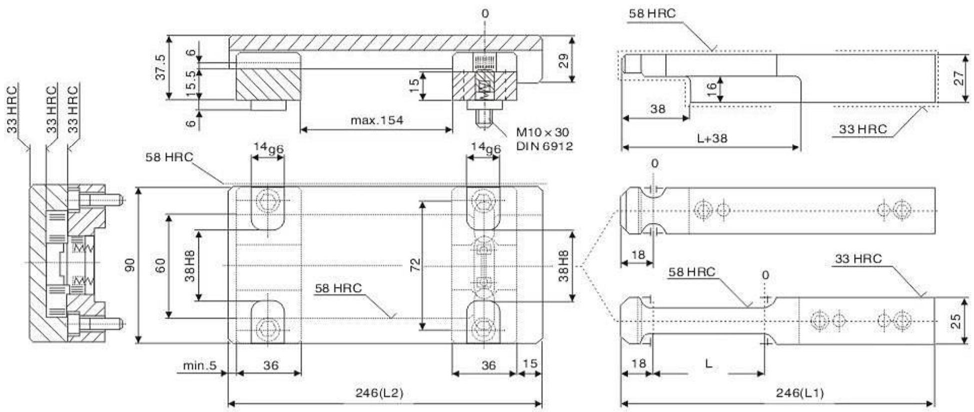
Z4-11-0-0	L=0	單價￥ Unit price	Z4-11-50-0	L=0-50	單價￥ Unit price
Z4-11-25-0	L=0-25		Z4-11-75-0	L=0-75	

Order: Type No. X Pcs
Z4-11-0-0 X 10



Z4-16-0-0	L=0	單價 ￥ Unit price	Z4-16-50-0	L=0-50	單價 ￥ Unit price
Z4-16-25-0	L=0-25		Z4-16-75-0	L=0-75	

Order: Type No. Pcs
Z4-16-0-0 10



Z4-21-0-0	L=0	單價 ￥ Unit price	Z4-21-50-0	L=0-50	單價 ￥ Unit price
Z4-21-25-0	L=0-25		Z4-21-75-0	L=0-75	

Order: Type No. × Pcs
Z4-21-0-0 × 10

鎖模扣 Z4-1 LATCH LOCK

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

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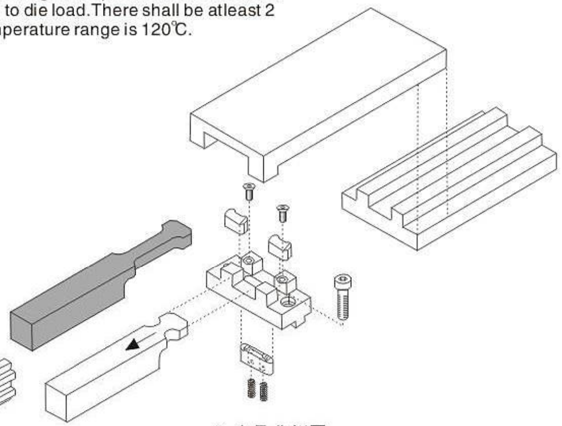
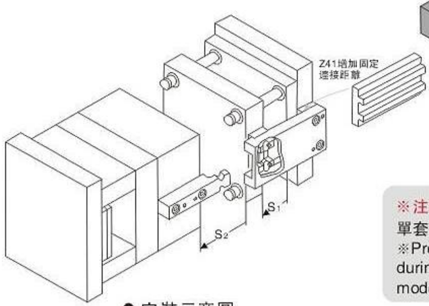


● 產品分解圖
Product breakdown drawing



● 安裝示意圖
Installation diagram

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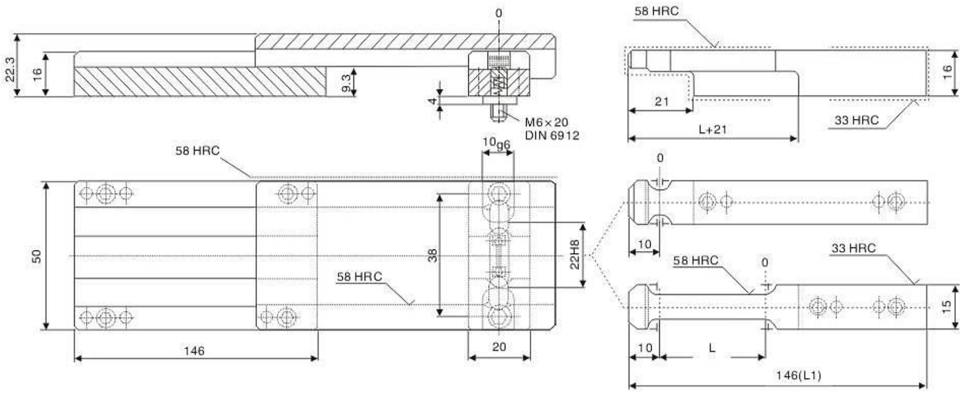
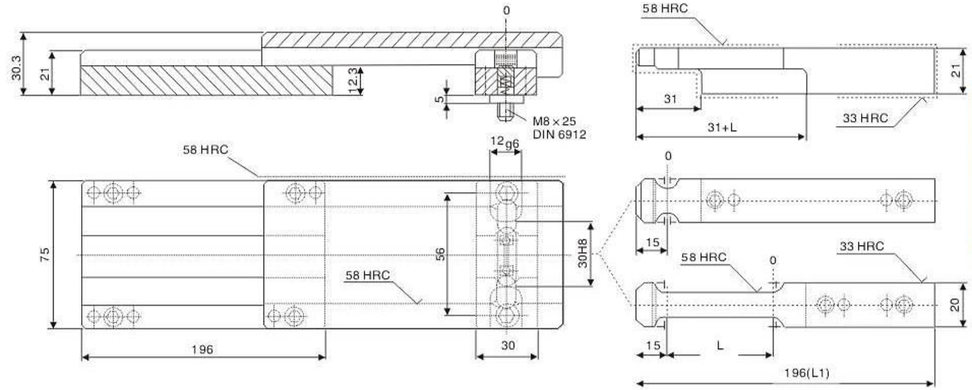


Z4-11-0-41	L=0	單價 ¥ Unit price	Z4-11-50-41	L=0-50	單價 ¥ Unit price
Z4-11-25-41	L=0-25		Z4-11-75-41	L=0-75	

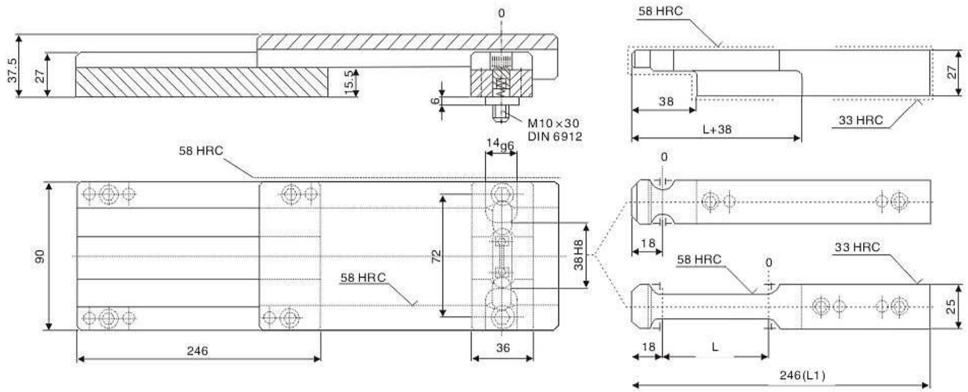
Order: Type No. × Pcs
Z4-11-0-41× 10

鎖模扣 Z4-1 LATCH LOCK



Z4-16-0-41	L=0	單價 ¥ Unit price	Z4-16-50-41	L=0-50	單價 ¥ Unit price
Z4-16-25-41	L=0-25		Z4-16-75-41	L=0-75	

Order: Type No. × Pcs
Z4-16-0-41 × 10



Z4-21-0-41	L=0	單價 ¥ Unit price	Z4-21-50-41	L=0-50	單價 ¥ Unit price
Z4-21-25-41	L=0-25		Z4-21-75-41	L=0-75	

Order: Type No. × Pcs
Z4-21-0-41 × 10

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，在模板上至少要2套并對稱使用。使用溫度範圍120℃。

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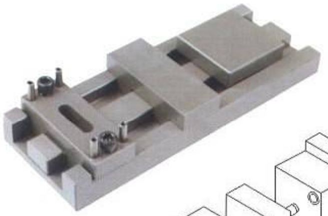
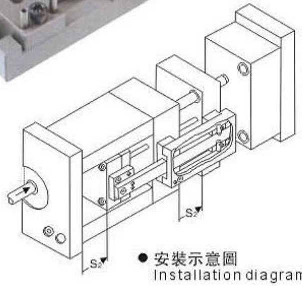
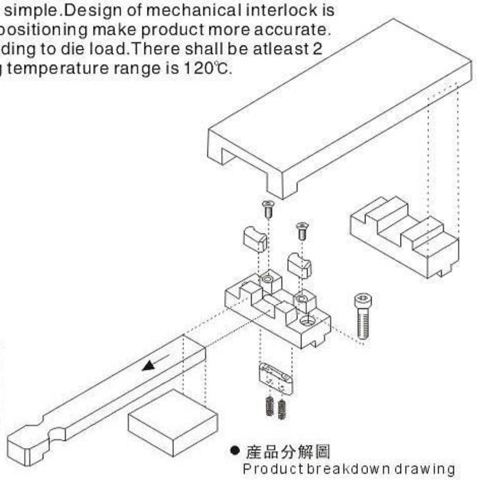




● 安裝示意圖 Installation diagram



● 產品分解圖 Product breakdown drawing

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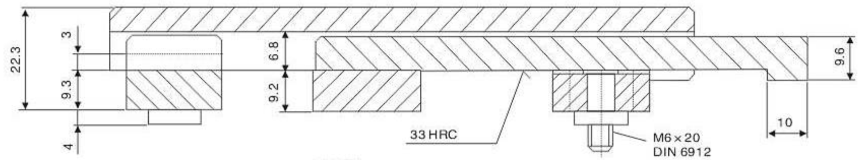
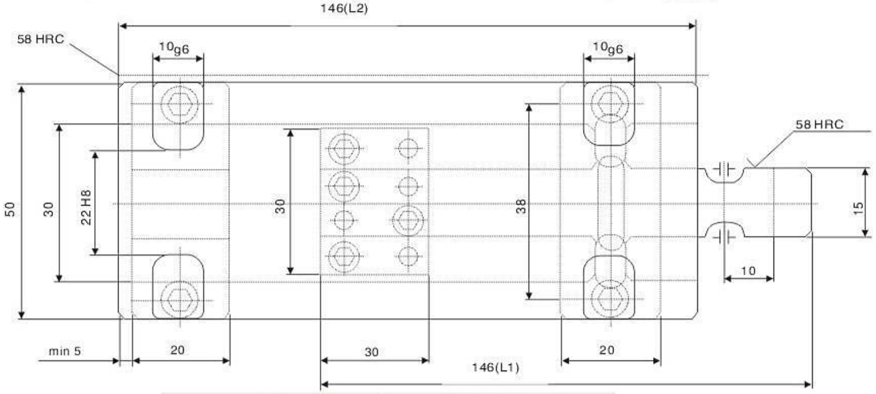


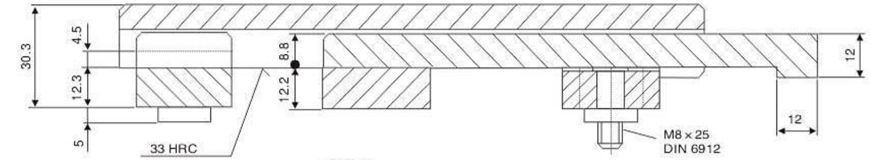


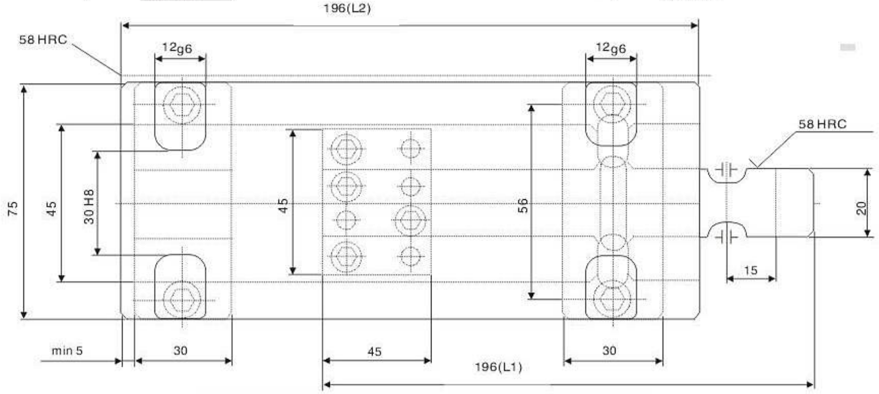
Type	單價 ¥ Unit price
Z4-11-1-0	

Order: Type No. × Pcs Z4-11-1-0 × 10

鎖模扣 Z4-1 LATCH LOCK

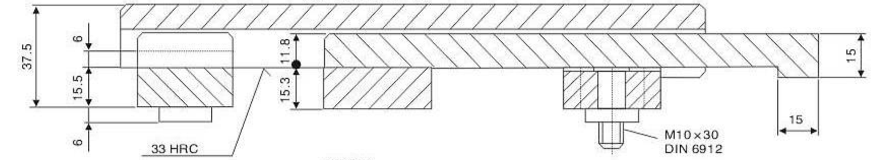
锦鸿 JH

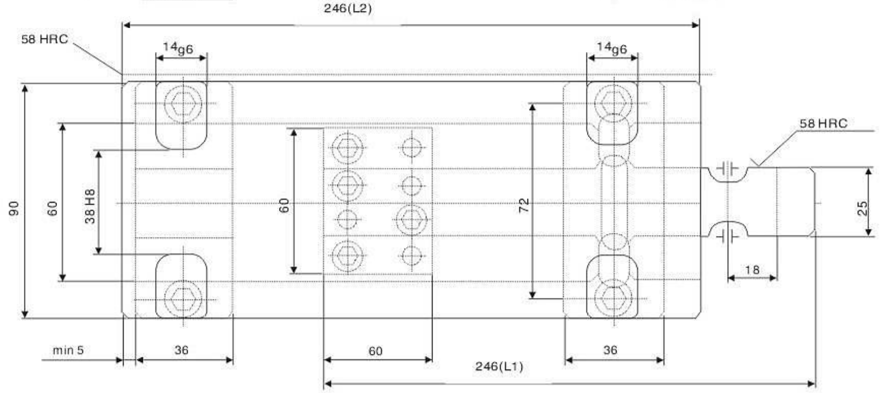




Type	單價 ¥ Unit price
Z4-16-1-0	

Order: Type No. × Pcs Z4-16-1-0 × 10





Type	單價 ¥ Unit price
Z4-21-1-0	

Order: Type No. × Pcs Z4-21-1-0 × 10

鎖模組件系列 Mode locking component series

鎖模扣 Z4-1 LATCH LOCK

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應産品，
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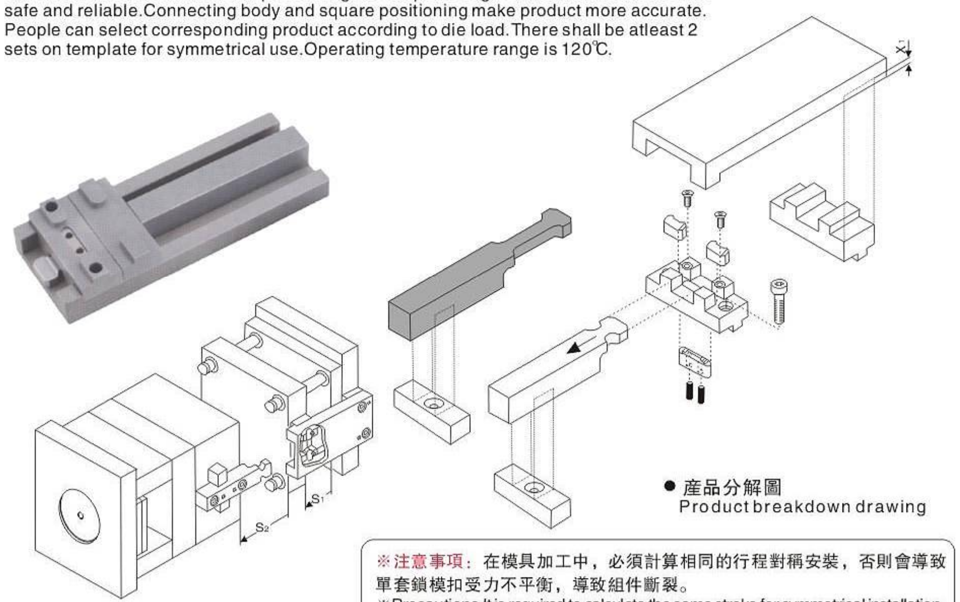

● 安裝示意圖
Installation diagram

● 産品分解圖
Product breakdown drawing

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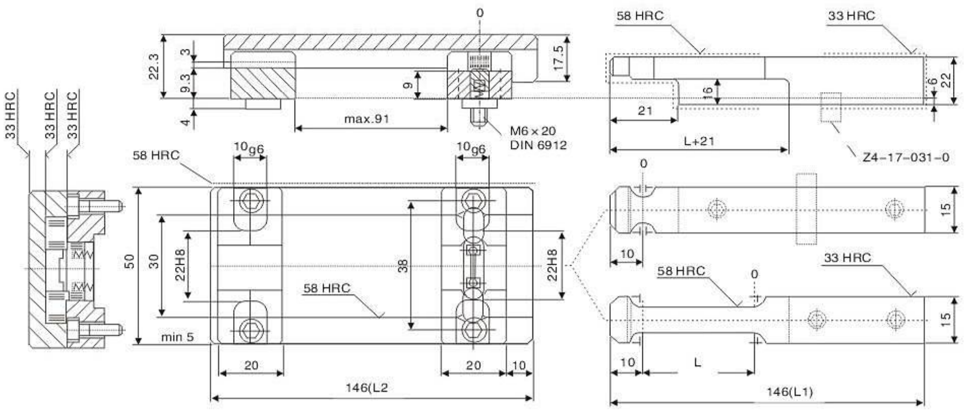


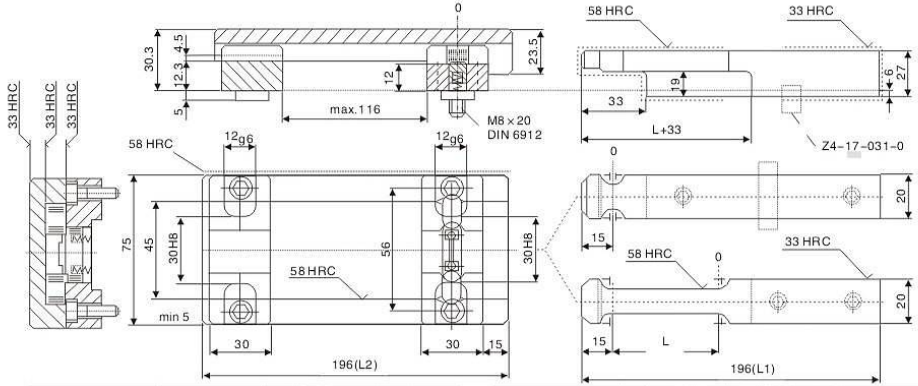
Z4-12-0-0	L=0	單價 ¥ Unit price	
Z4-12-25-0	L=0-25		

Z4-12-50-0	L=0-50	單價 ¥ Unit price	
Z4-12-75-0	L=0-75		

Order: Type No. × Pcs
Z4-12-0-0 × 10

鎖模扣 Z4-1 LATCH LOCK

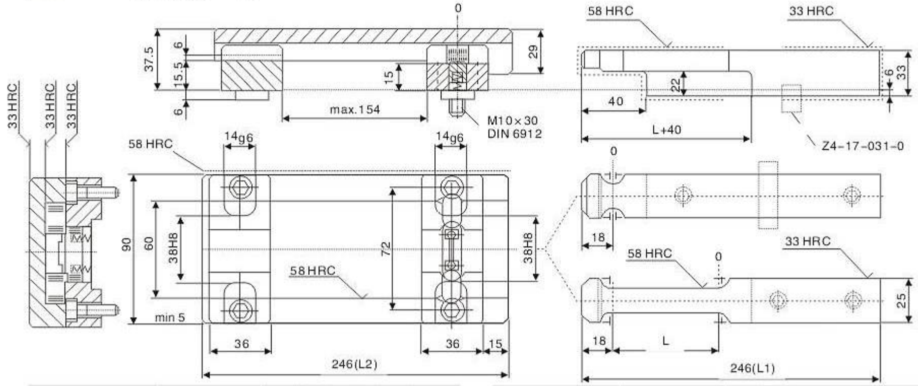
锦鸿 JH



Z4-17-0-0	L=0	單價 ¥ Unit price	
Z4-17-25-0	L=0-25		

Z4-17-50-0	L=0-50	單價 ¥ Unit price	
Z4-17-75-0	L=0-75		

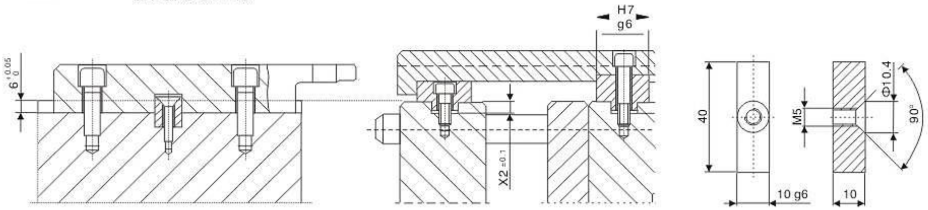
Order: Type No. × Pcs
Z4-17-0-0 10



Z4-22-0-0	L=0	單價 ¥ Unit price	
Z4-22-25-0	L=0-25		

Z4-22-50-0	L=0-50	單價 ¥ Unit price	
Z4-22-75-0	L=0-75		

Order: Type No. × Pcs
Z4-22-0-0 × 10

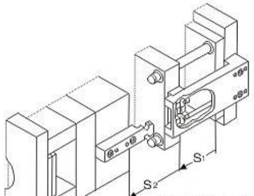


Type	X1	X2
Z4-12	3	4.5
Z4-17	4.5	4.5
Z4-22	6	6.5

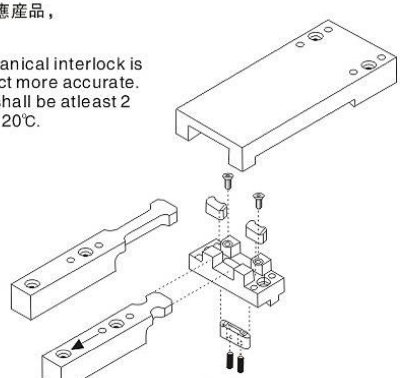
鎖模扣 Z4-30 LATCH LOCK

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，
在模板上至少要2套并對稱使用。使用溫度範圍120℃。

Characteristics:Installation and processing are simple.Design of mechanical interlock is safe and reliable.Connecting body and square positioning make product more accurate. People can select corresponding product according to die load.There shall be atleast 2 sets on template for symmetrical use.Operating temperature range is 120℃.

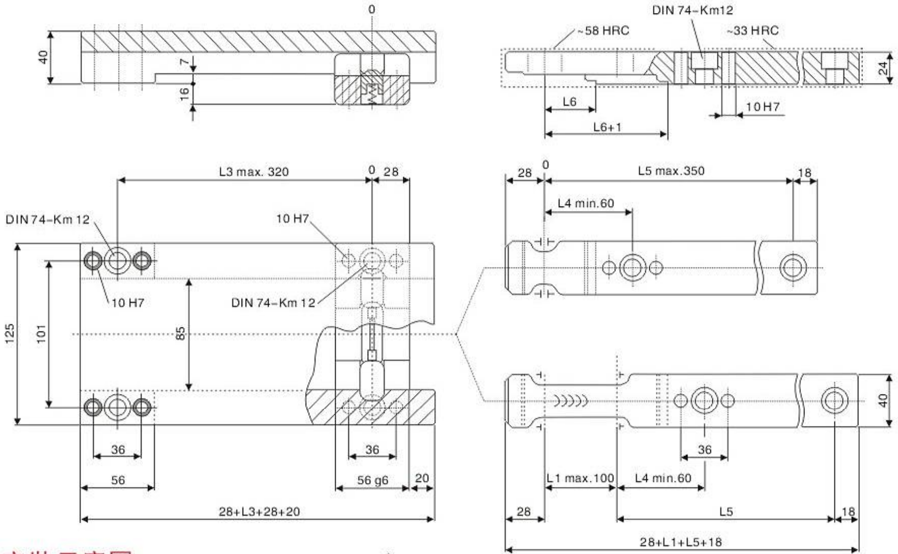


● 安裝示意圖
Installation diagram

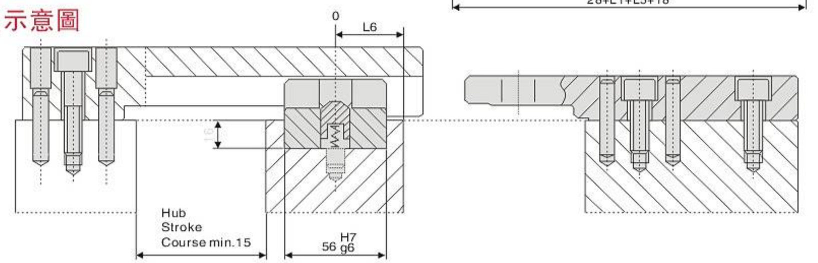


● 產品分解圖
Product breakdown drawing

Order:	Type No.	×	Pcs
	Z4-30	×	10



● 安裝示意圖

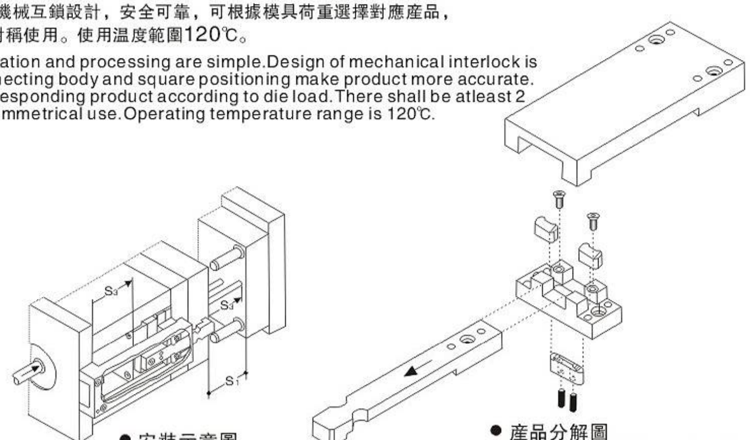


L1	L3	L4	L5	L6	Stck./Quant

锁模扣 Z4-32 LATCH LOCK

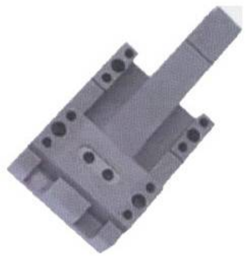
特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，
在模板上至少要2套并對稱使用。使用溫度範圍120℃。

Characteristics:Installation and processing are simple.Design of mechanical interlock is safe and reliable.Connecting body and square positioning make product more accurate. People can select corresponding product according to die load.There shall be atleast 2 sets on template for symmetrical use.Operating temperature range is 120℃.

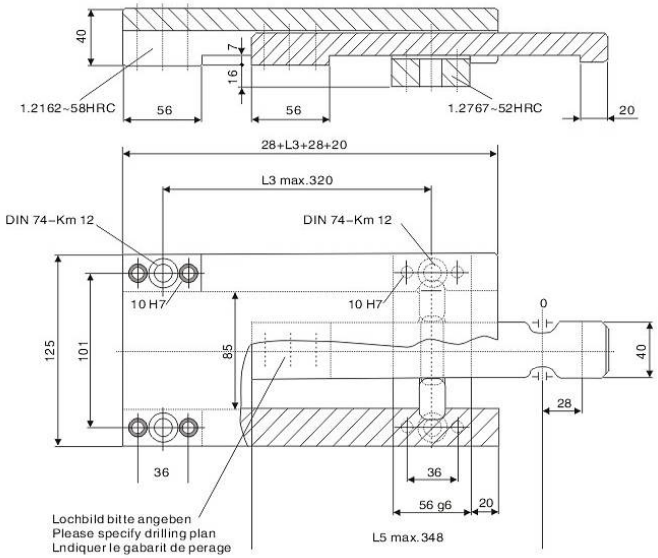


● 安裝示意圖
Installation diagram

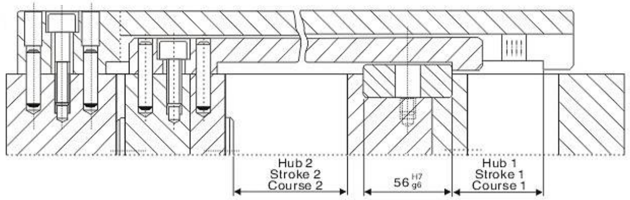
● 產品分解圖
Product breakdown drawing



Order:	Type No.	×	Pcs
	Z4-32	×	10



● 安裝示意圖

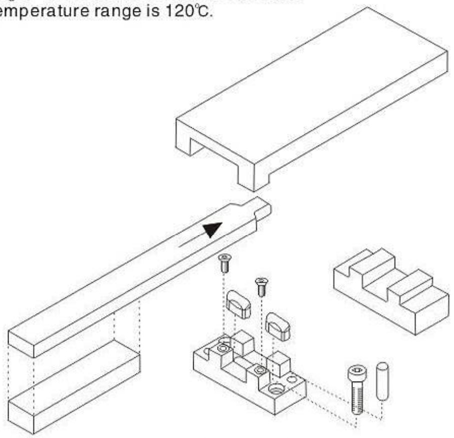


L3	L5	Stck./Quant

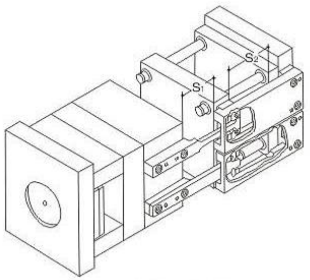
鎖模扣Z6-1 Z6-2 LATCH LOCK

特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應產品，
在模板上至少要2套并對稱使用。使用溫度範圍120℃。

Characteristics:Installation and processing are simple.Design of mechanical interlock is safe and reliable.Connecting body and square positioning make product more accurate. People can select corresponding product according to die load.There shall be atleast 2 sets on template for symmetrical use.Operating temperature range is 120℃.

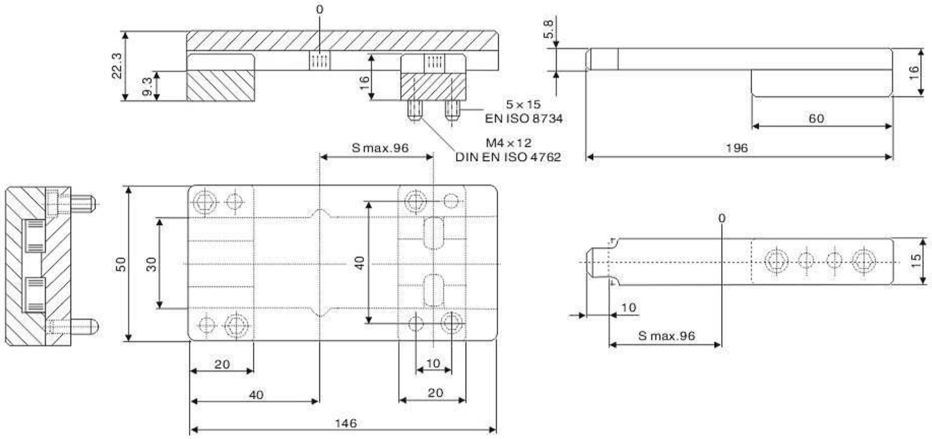


● 產品分解圖
Product breakdown drawing



● 安裝示意圖
Installation diagram

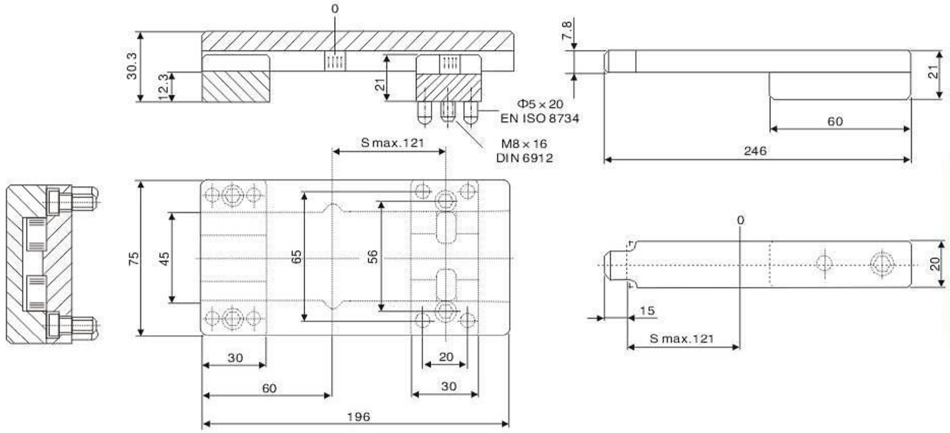
※注意事項：在模具加工中，必須計算相同的行程對稱安裝，否則會導致單套鎖模扣受力不平衡，導致組件斷裂。
※Precautions:It is required to calculate the same stroke for symmetrical installation during die processing.Otherwise,it will cause unbalance force of single set of mode locking buckle and breakage of component.



Type	單價 ¥ Unit price
Z6–1	

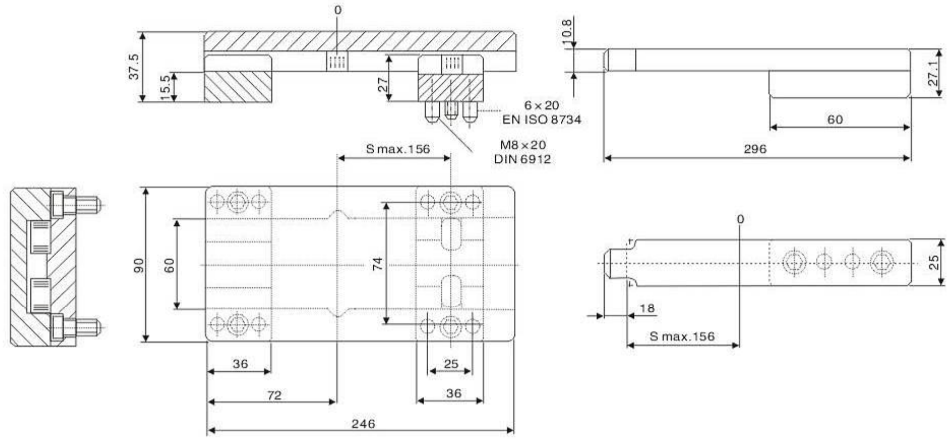
Order: Type No. × Pcs
Z6–1 × 10

鎖模扣Z6-1 Z6-2 LATCH LOCK



Type	單價 ¥ Unit price
Z6–15	

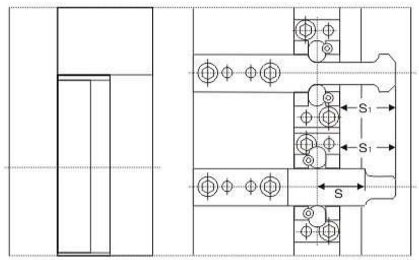
Order: Type No. × Pcs
Z6–15 × 10



Type	單價 ¥ Unit price
Z6–2	

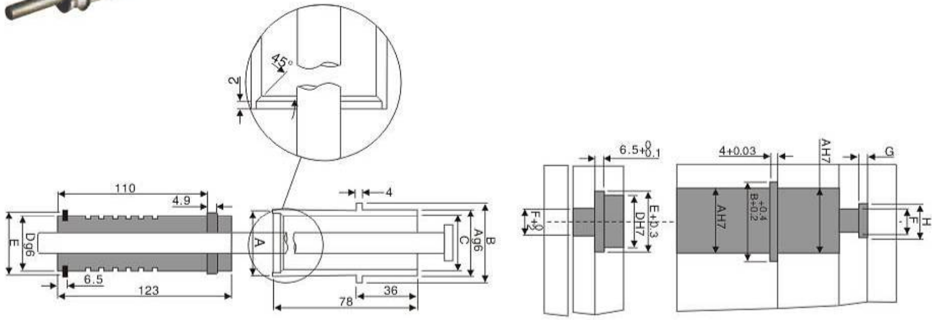
Order: Type No. × Pcs
Z6–2 × 10

Example
使用例



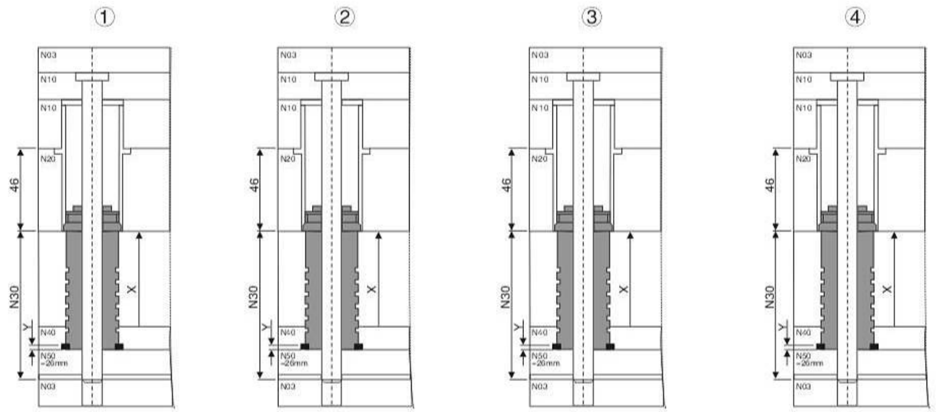
獨特的設計，成本低。由于精密的零件具有很長的使用壽命，推板早回裝置能有效預防模具零件的機械損傷。亦可作爲二次頂出裝置使用。

Independent design,low cost because the precision components have long service life,these device can prevent the mold components' mechanical damnification



Type	尺寸 Size								單價¥ Unit price
	A	B	C	D	E	F	G	H	
EER 100E	32	35	24.2	24	27	10	5	17	
EER 101E	42	46	32.2	32	36	16	7	24	

※ 在模具中的安裝尺寸



Example	①		②		③		④	
N30	X	Y	X	Y	X	Y	X	Y
66	36	2.5	40	6.5	46	2.5	50	6.5
86	56		60		66		70	
106	76		80		86		90	
126	96		100		106		110	

● 注意安裝前，通止塊必須保持潤滑。

EERB-EERS-EE-EER-RK E

可更換零件			
型號			
導套	復位司筒	復位頂針	附件：通止塊，墊圈、上下卡環
EERB100 E	EERS100 E	EE 10 400	EER 100 RK E
EERB101 E	EERS101 E	EE 16 400	EER 101 EK E

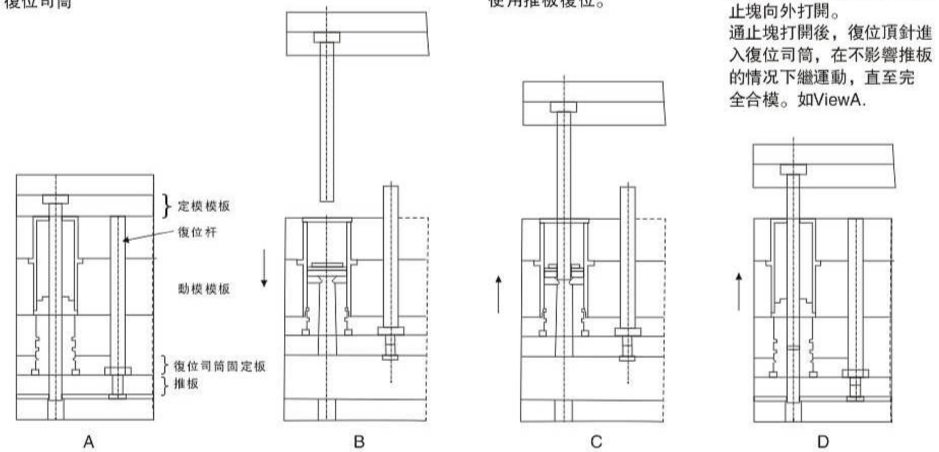
Example
使用例

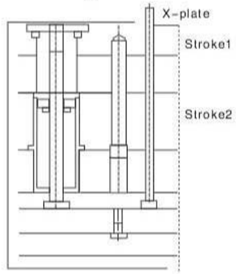
ViewA: 合模狀態
推板頂出前的起始位置時。通止塊處于打開狀態，卡住復位司筒

ViewB: 開模 狀態
推板處于頂出位置，此時通止塊受導套擠壓處于閉合狀態。

ViewC: 合模過程中
隨着動模板的移動，處于閉合狀態的通止塊受到復位頂針的推力，帶動復位司筒使用推板復位。

ViewD: 合模狀態
當推板即將到達起始位置時，通止塊也運動至導套底部，在復位杆的作用下，通止塊向外打開。
通過塊打開後，復位頂針進入復位司筒，在不影響推板的情况下繼運動，直至完全合模。如ViewA.

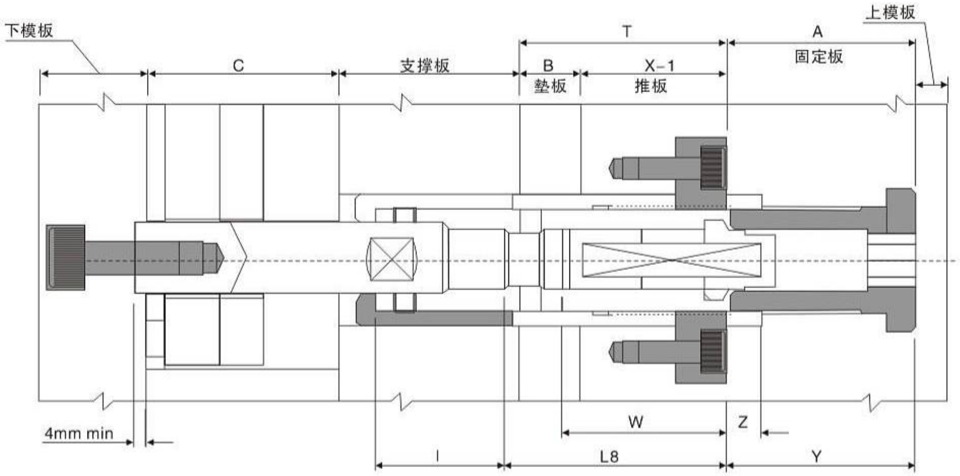




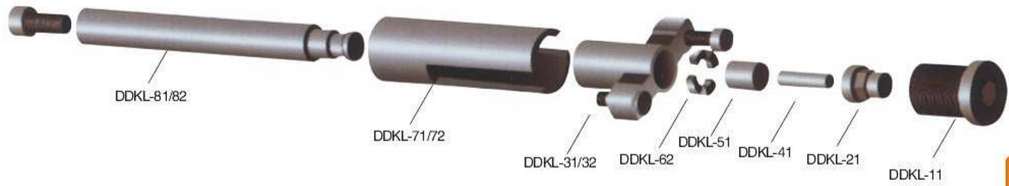
※Install AITOn for Ejector pin travel beyond stripper plate.
Stripper plate moves forward until cam fingers slip outward in to counterbore in bushing and ejector plate continues to travel.

其獨特的內置裝置，適用于多種模胚尺寸和不同板的厚度。
硬化鋼的零件，確保很長的使用壽命。插銷裝置容易定時安裝。
鎖模扣的內置安裝，可以避免運水接頭和外部安裝零件的衝突。

It unique internal design apply to kinds of mold base and mold plates,Its components made of vulcanized steel to make sure long service life.plug device is eqsy to be installed timely. latch lock's internal installation can prevent the conflict between joints and external components.

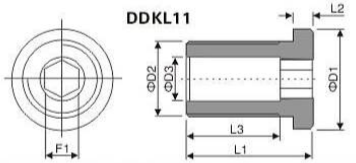


插銷尺寸（¢）	型號	T行程範圍 Min./Max.	中心拉銷長度配置	建議模胚最大尺寸	拉力(kgf) Static	Dynamic	尺寸 L8	W	Y	Z
28 小型	DDKL2811	5－>30	140	296	1000	100	40	23±0.1	22－>35	$10^{+0.04}_{0}$
	DDKL2812		250							
	DDKL2821	30－>55	140							
	DDKL2822		250							
34 中型	DDKL3411	6－>41	160	396	2000	200	51	32±0.1	27－>47.6	$12^{+0.04}_{0}$
	DDKL3412		280							
	DDKL3421	41－>76	160							
	DDKL3422		280							
45 大型	DDKL4511	12－>58	200	596	3000	380	68	43±0.1	35－>60	$16^{+0.04}_{0}$
	DDKL4512		310							
	DDKL4521	58－>104	200							
	DDKL4522		310							

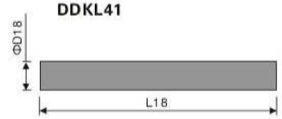


插銷尺寸(¢)	型號	DDKL11	DDKL21	DDKL31	DDKL32	DDKL62	DDKL41	DDKL51	DDKL71/72	行程範圍	DDKL81/82	中心拉銷長度	單價
28 小型	DDKL2811	DDKL-2011	DDKL-2021	DDKL-2031	DDKL-2032	DDKL-2062	DDKL-2041	DDKL-2051	DDKL-2071	5-30	DDKL-2081	140	
	DDKL2812										DDKL-2082	250	
	DDKL2821								DDKL-2072	30-55	DDKL-2081	140	
	DDKL2822										DDKL-2082	250	
34 中型	DDKL3411	DDKL-3011	DDKL-3021	DDKL-3031	DDKL-3032	DDKL-3062	DDKL-3041	DDKL-3051	DDKL-3071	6-41	DDKL-3081	160	
	DDKL3412										DDKL-3082	280	
	DDKL3421								DDKL-3072	41-76	DDKL-3081	160	
	DDKL3422										DDKL-3082	280	
45 大型	DDKL4511	DDKL-4011	DDKL-4021	DDKL-4031	DDKL-4032	DDKL-4062	DDKL-4041	DDKL-4051	DDKL-4071	12-58	DDKL-4081	200	
	DDKL4512										DDKL-4082	310	
	DDKL4521								DDKL-4072	58-104	DDKL-4081	200	
	DDKL3422										DDKL-4082	310	

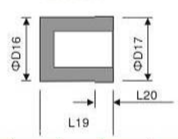
DDKL11



DDKL41

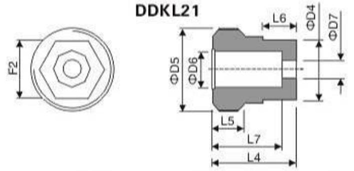


DDKL51

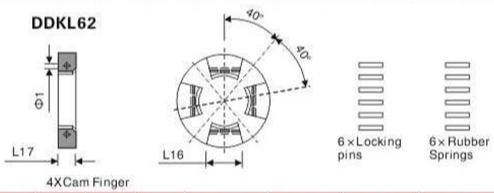


型號	尺寸	D1	D2	D3	L1	L2	L3	F1	型號	尺寸	D15	L18	型號	尺寸	D16	D17	L19	L20
DDKL2011	小型	28	M22x1.25	13.5	34	5	26	10	DDKL2041	小型	6.5	56	DDKL2051	小型	12.3	12.9	15	3
DDKL3011	中型	33	M26x1.50	16	46	6	35	12	DDKL3041	中型	8	70	DDKL3051	中型	14.4	15.4	23	5
DDKL4011	大型	42	M34x1.50	18.4	59	10	42	14	DDKL4041	大型	9.7	90	DDKL4051	大型	19.4	20.4	32	7

DDKL21



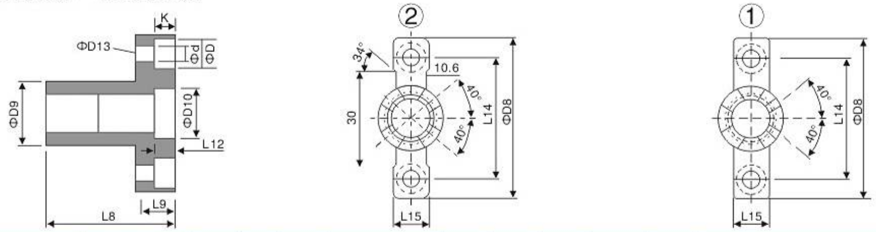
DDKL62



型號	尺寸	D4	D5	D6	D7	L4	L5	L6	L7	F2	型號	尺寸	L16	L17
DDKL2021	小型	12.6	M16x1	6.8	2.6	18	7	7	15	11	DDKL2062	小型	5.8	4.2
DDKL3021	中型	15	M19x1	8.3	3	21	8	8	17	13	DDKL3062	中型	7.2	4.8
DDKL4021	大型	17.2	M24x1	10	3.5	25	10	9	21	15	DDKL4062	大型	9	6

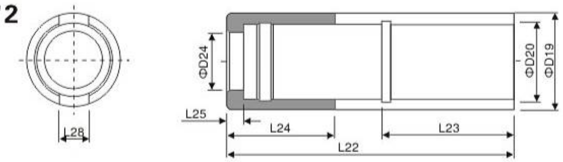
內鎖模扣 DDKL… INTERNAL LATCH LOCK

DDKL31-DDKL32



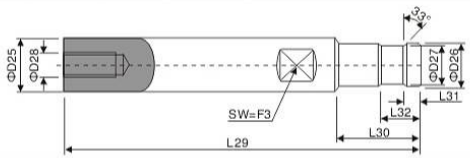
型號	型號 (+DKL62)	尺寸	D8	D9	D10	L8	L9	L12	L14	L15	R1	¢ D13			
												¢ d	¢ D	K	Metric S.H.C.S
DDKL2031②	DDKL2032②	小型	54	20.6	M16x1	40	13	7	40	12.6	2.5	6.8	10.4	6.8	M6x1
DDKL3031①	DDKL3032①	中型	60	24.4	M19x1	51	15	8	46						
DDKL4031①	DDKL4032①	大型	78	32.4	M24x1	38	20	10	60	17	4	8.4	13.7	8.5	M8x1.25

DDKL71-DDKL72



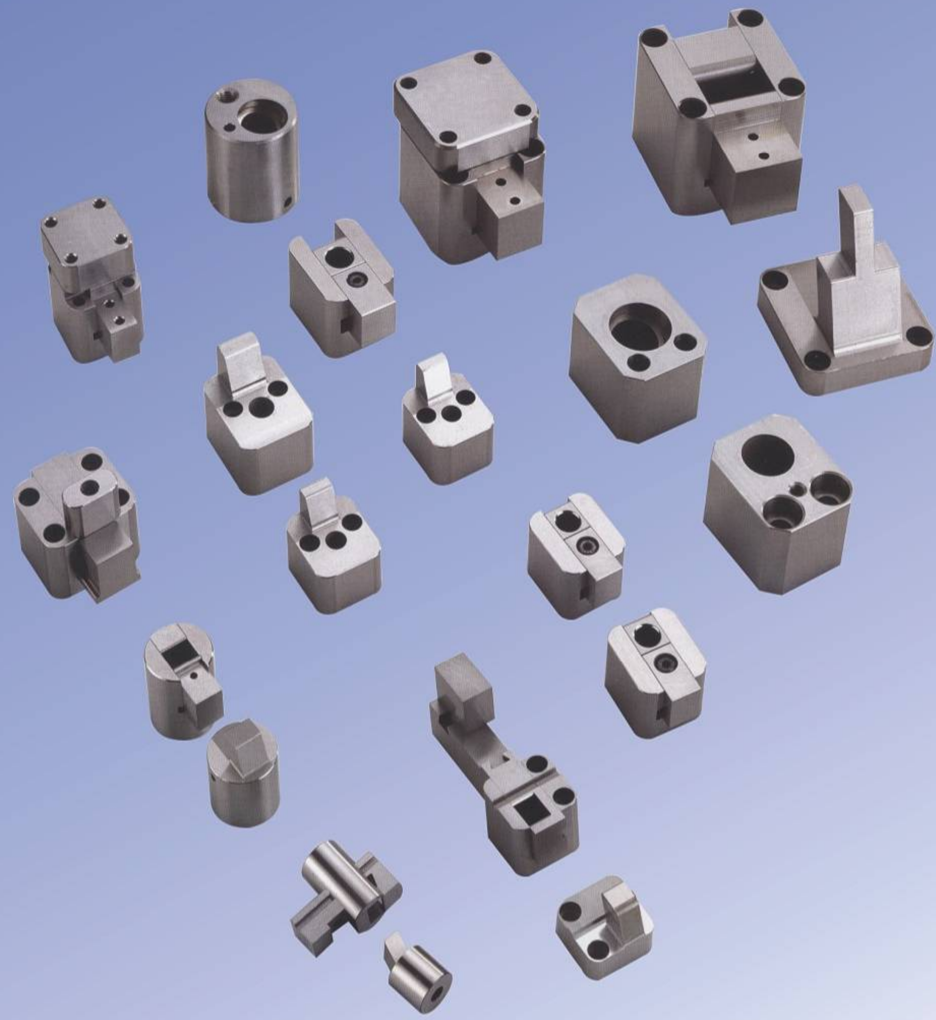
型號	尺寸	行程範圍	L22	D19	D20	D24	L23	L24	L25	L28
DDKL 2071	小型	5–30	86	28	M22X1.25	16	37	31.5	6	10.8
DDKL 2072		30–55	111							
DDKL 3071	中型	6-41		34	M26X1.25	19	49	41	7	12.8
DDKL 3072		41–76	146							
DDKL 4071	大型	12–58	152	45	M34X1.5	26	65	56	10	17.3
DDKL 4072		58–104	198							

DDKL81-DDKL82

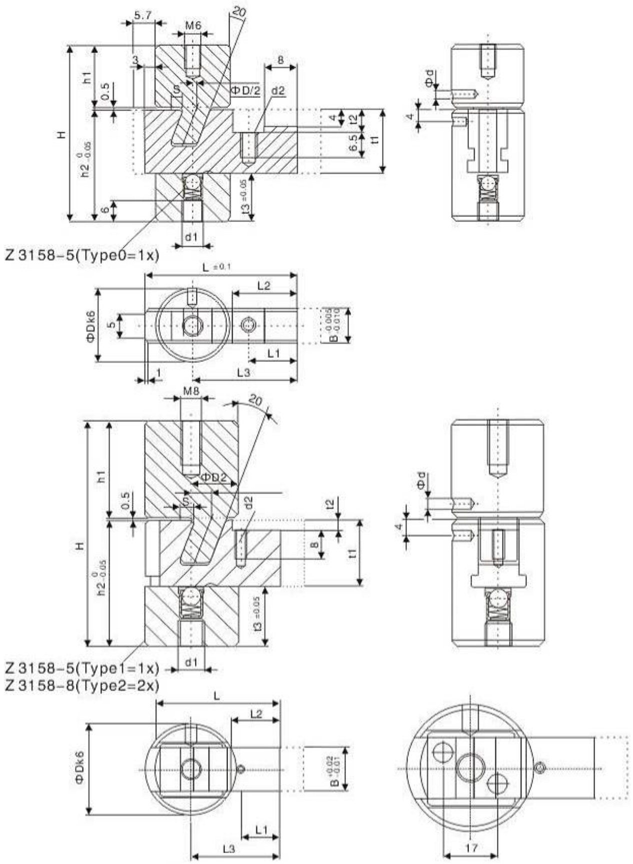


型號	尺寸	L29	D25	D26	D27	L30	L31	L32	F3	D28
DDKL 2081	小型	140	16	12.4	9.8	21	4	6.7	13	M8X1.25
DDKL 2082		250								
DDKL 3081	中型	160	19	14.5	11.7	24	4.6	7.6	15	M10X1.5
DDKL 3082		280								
DDKL 4081	大型	200	26	19.5	15.9	31	5.5	9.5	22	M12X1.75
DDKL 4082		310								

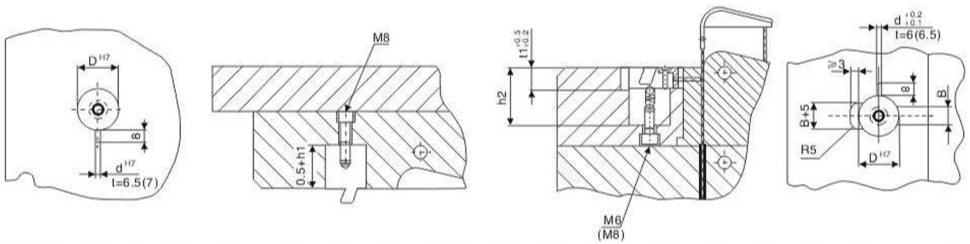
滑塊系列 Slider series



侧抽芯滑块 Z4292



Type1 Type2

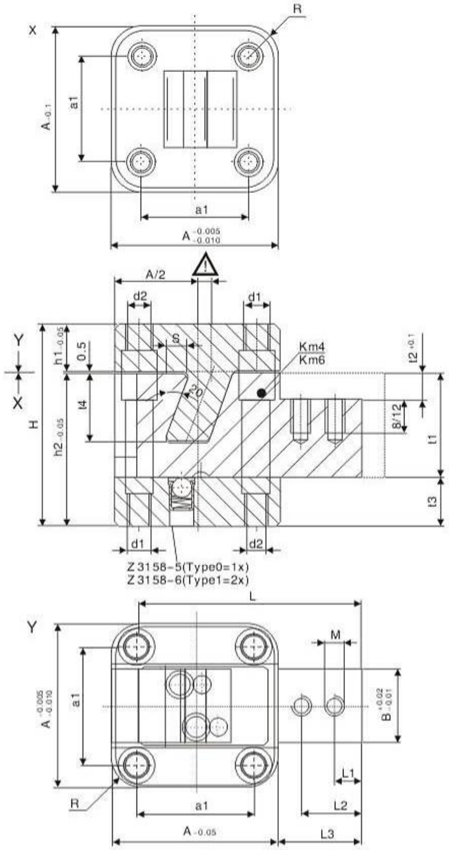


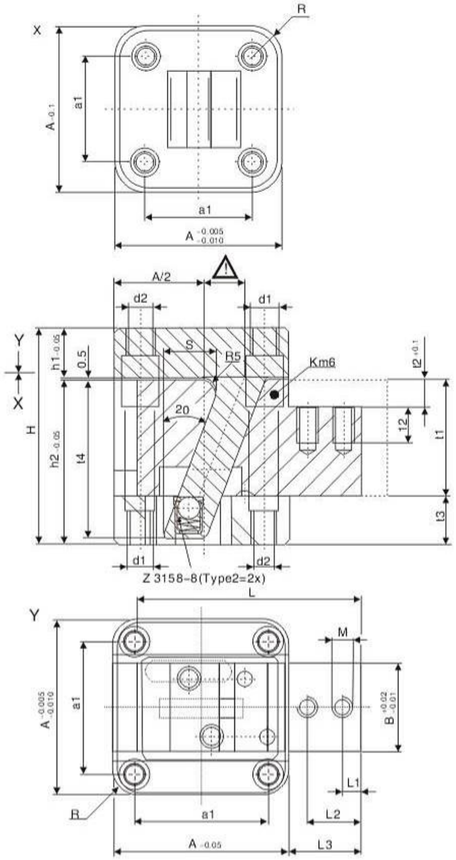
Type	D	B	S	H	h1	h2	t1	t2	t3	L	L1	L2	L3	d	d1	d2	單價 ¥ Unit price
Z4292	16	10	2,7	44,0	15,0	28,5	16	6,0	12,5	36,0	12,0	16,0	25,0	3	M6	M4	
	25	11	3,4	61,5	26,5	34,5	18	2,5	16,5	32,8	10,8	13,9	24,2	3	M6	M3	
	40	22	6,4	60,5	20,0	40,0	28	8,0	12,0	50,0	8,0	20,0	37,0	4	M8	M5	

Order: Type No. – D × Pcs
Z 4292 – 16 × 10

侧抽芯滑块 Z4294 SLIDER UNITS

Z4294–1 Z4294–2 Z4294–3

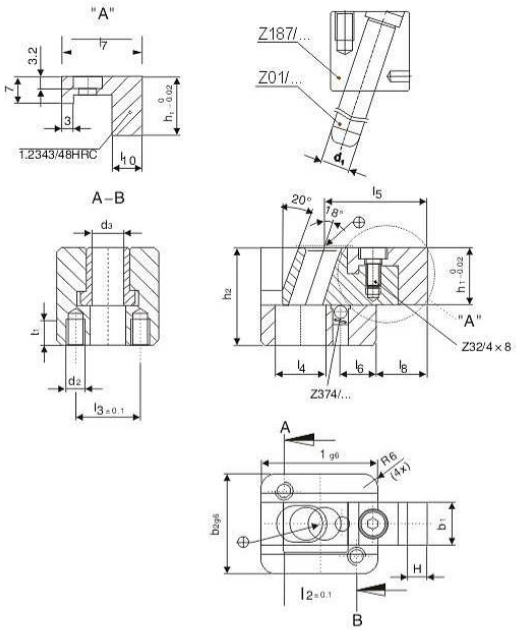




Type	A	B	a1	S	L	L1	L2	L3	H	h1	h2	t1	t2	t3	t4	M	d1	d2	R	單價 ¥ Unit price
Z4294–1	32	12	22	4,9	46,8	5	15	20	50	14,5	35	23	6	12	16,6	M4	M5	4,1	6	
Z4294–2	50	22	36	6,7	66,8	6	18	25	60	14,5	45	30	6	15	21,5	M5	M8	6,5	8	
Z4294–3	60	31	46	17,3	74,8	6	18	25	72	14,5	57	40	10	17	55,5	M5	M8	6,5	8	

Order: Type No. – A × Pcs
Z 4294–1 – 32 × 10

側抽芯滑塊 Z181 SLIDER UNITS

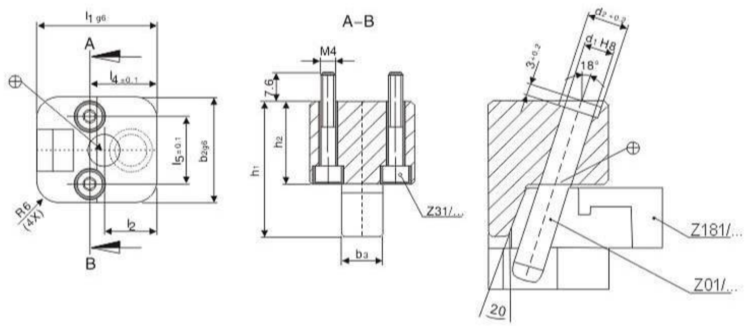


Nr./No.	Z01/...	t_1	d_2	d_3	h_2	l_{10}	l_8	l_7	l_6	l_5	l_4	l_3	l_2	l_1	H	b_2	d_1	b_1	h_1	單價 ¥ Unit price
Z181/8 × 12 × 16	8 × 50	8	M5	9	27	8	14,3	22	10	28,5	14	18	20	32	5	28	8	12	16	
10 × 16 × 18	10 × 60	10	M6	11	32	10	15,3	25	12	32,5	17	20	29	40	6,5	32	10	16	18	

Order: Type No. × Pcs
Z 181/8 × 12 × 16 × 10

側抽芯滑塊 Z1810
Slider units

Mat.: 1.2842/53 HRC

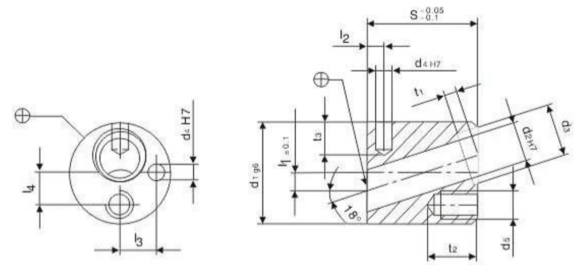


Nr./No.	Z31/...	h_2	h_1	l_4	l_2	l_1	b_3	l_5	b_2	d_2	d_1	單價 ¥ Unit price
Z1810/8	Z31/4 × 25	22	36	18	14,2	32	11	18	28	11	8	
10	Z31/4 × 30	27	44	22	17,2	40	15	20	32	13	10	

Order: Type No. × Pcs
Z 1810/8 × 10

斜導柱固定座 ANGLE PIN HOUSING

Z187
Mat.: 1.2312/1080 N/mm²

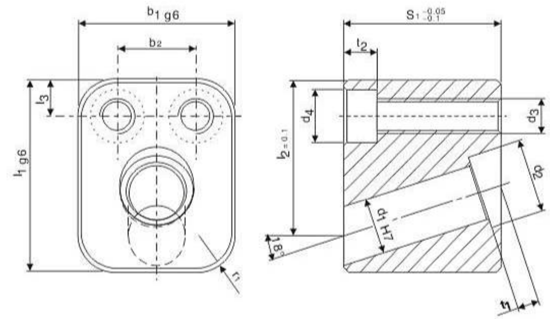


Nr./No.	t_3	t_2	t_1	l_4	l_3	l_2	l_1	d_5	d_4	d_3	d_1	s	d_2	單價 ¥ Unit price
Z187/22 × 22 × 8	6	12	3	7	8	4	2,5	M5	3	11	22	22	8	
25 × 27 × 10	8			8	9		4,5	M6	4	13	25	27	10	
32 × 36 × 12			6	10	11		6			17	32	36	12	
36 × 36 × 14		16,5	8	12	13			M8		19	36		14	
Z187/40 × 46 × 16	10			13,5	14	6	8		5	21	40	46	16	
18					15		8,5			23			18	
Z187/45 × 46 × 20	12			15	16,5					25	45		20	
Z187/50 × 56 × 22			15	16,5	18		10		6	27	50	56	22	
24										29			24	
Z187/63 × 66 × 30	14	23		21	24	8	11	M10	8	37	63	66	30	
32													32	

Order: Type No. × Pcs
Z 187/22 × 22 × 8 × 10

斜導柱固定座 Z1870
Angle pin housing

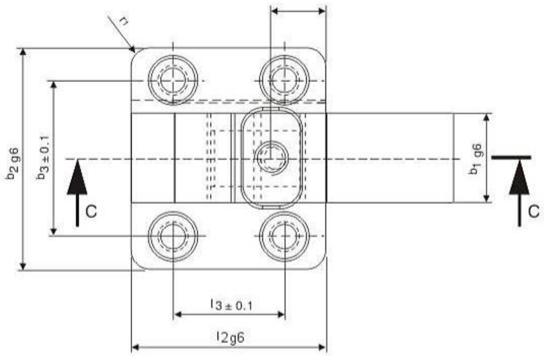
Mat.: 1.2312/1080 N/mm²

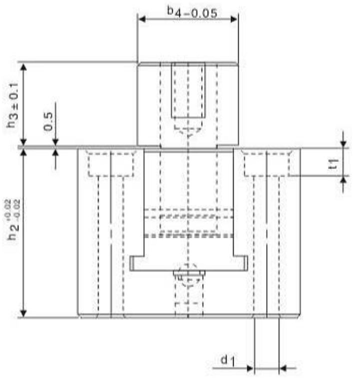


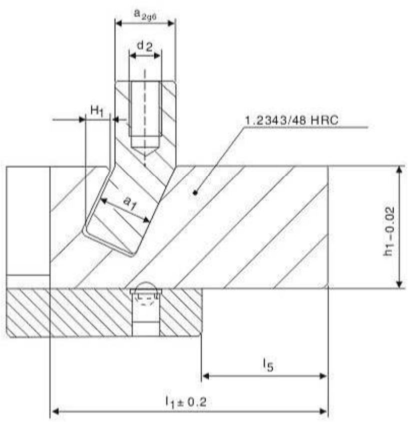
Nr./No.	t_2	d_4	d_3	l_3	b_2	r_1	t_1	d_2	l_2	b_1	l_1	s_1	d_1	單價 ¥ Unit price
Z1870/25 × 25 × 17 × 8	5,7	10	M6	6,5	12	5	3	11	19,5	25	25	17	8	
27 × 30 × 22 × 10				7	13			13	23	27	30	22	10	
Z1870/32 × 40 × 36 × 12	6,8	11	M8	8	16,5	6	6	17	31	32	40	36	12	
14				7			8	19					14	
Z1870/32 × 45 × 46 × 16				7,5	17			21	35		45	46	16	
36 × 52 × 46 × 18	9	15	M10	9,5		8		23	40,5	36	52		18	
Z1870/40 × 55 × 46 × 20				10	20	10		25	42	40	55		20	
60 × 56 × 22				10,5			15	27	46		60	56	22	
Z1870/45 × 65 × 56 × 24	11	18	M12	11	22			29	49,5	45	65		24	
52 × 75 × 66 × 30				12	30	12		37	56	52	75	66	30	
55 × 75 × 66 × 32					32					55			32	

Order: Type No. × Pcs
Z1870/25X25x17x8x10

侧抽芯滑块 Z1812 SLIDER UNITS



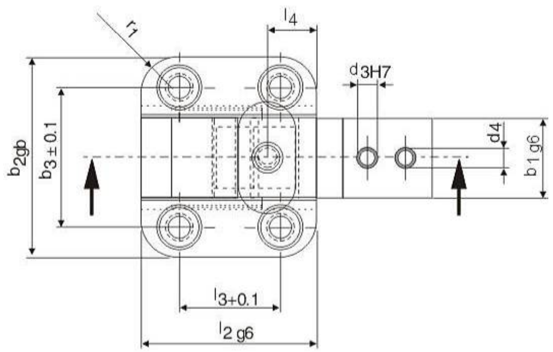


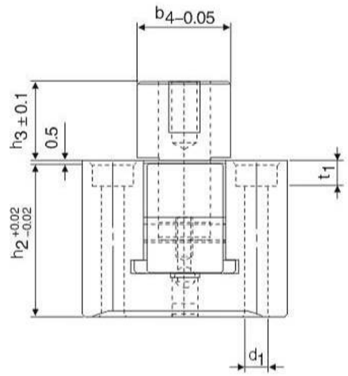


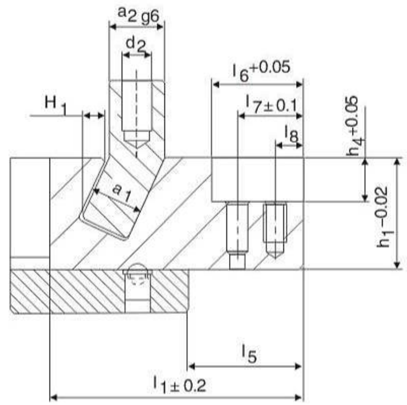
Nr./No.	t_1	r_1	l_1	l_4	l_3	l_2	l_1	d_2	d_1	h_3	h_2	b_4	b_3	b_2	a_2	H_1	a_1	b_1	h_1	單價 ¥ Unit price
Z1812/10 × 16 × 22	4,6	6	22,9	10	20	35	52	M6	4,5	17	30	22	28	40	11	4,6	10	16	22	
12 × 25 × 30	6,8	7	33,8	15	35	50	75	M8	6,6	20	40	30	40	55	13	7	12	25	30	

Order: Type No.
Z 1812/10

侧抽芯滑块 Z1813 SLIDER UNITS





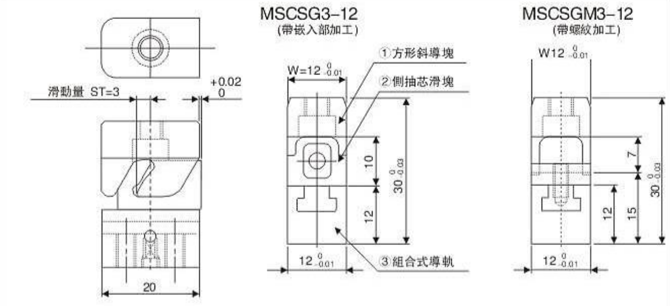


Nr./No.	t_1	r_1	l_8	l_7	l_6	l_5	l_4	l_3	l_2	l_1	d_4	d_3	d_2	d_1	h_4	h_3	h_2	b_4	b_3	b_2	a_2	H_2	a_1	b_1	h_1	單價 ¥ Unit price
Z1813/10 × 16 × 22	4,6	6	5,5	13	18	22,9	10	20	35	52	M4	4	M6	4,5	8	17	30	22	20	40	11	4,6	10	16	22	
12 × 25 × 30	6,8	7	7	16	20	26,8	15	35	50	68	M5	5	M8	6,6	10	20	40	30	40	55	13	7	12	25	30	

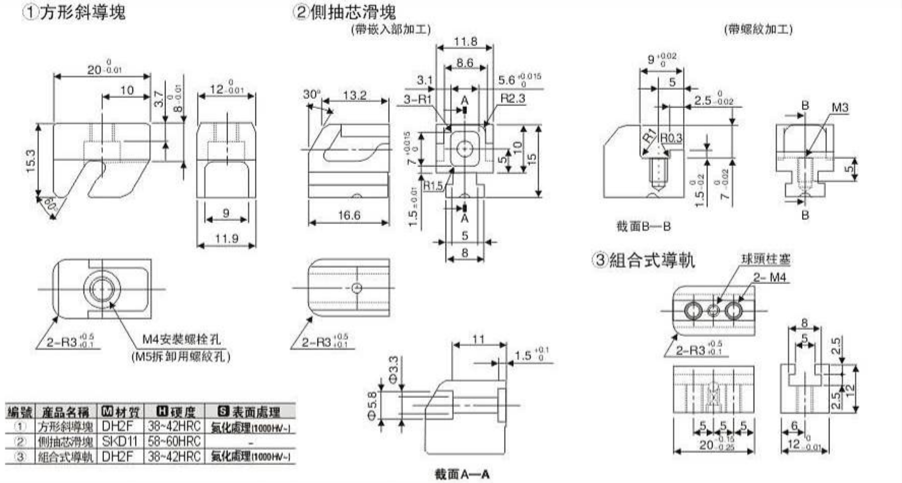
Order: Type No. × Pcs
Z 1813/10 × 10

小型抽芯滑塊組件(滑動量3mm)-緊湊型-

SMALL SIDE CORE PULING COMPONENT(SLIPPAGE OF 3MM)-COMPACT-



● 因方形斜導塊和側抽芯滑塊爲配合加工，若改變配對組合，將達不到 $^{+0.02}_{0}$ 的精度。



編號	產品名稱	Ⓜ材質	Ⓗ硬度	Ⓢ表面處理
①	方形斜導塊	DH2F	38~42HRC	氮化處理(1000HV~)
②	側抽芯滑塊	SKD11	58~60HRC	-
③	組合式導軌	DH2F	38~42HRC	氮化處理(1000HV~)

型號		W	單價（元）
Type	ST		
MSCSG (帶嵌入部加工)	3	12	
MSCSGM (帶螺紋加工)			

Order: Type No. - ST - W × Pcs
MSCSG - 3 - 12 × 10

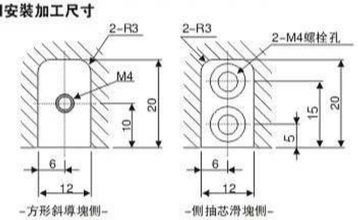
■特點

①節省空間
・與MSCN.MSCK相比，通過變更導向結構，可節省50%的安裝空間。
②測抽芯滑塊鎖緊結構
・通過球頭柱使測抽芯滑塊穩定運動。
③側型的安裝方法有2種選擇。
④削減總成本
・方形斜導塊、側抽芯滑塊、組合導軌爲一套組件，無需加工斜導柱安裝孔等，故可降低總體加工成本。（側型芯部分請用户自行加工）
・無需進行側抽芯滑塊行程等繁瑣的計算。

■注意事項

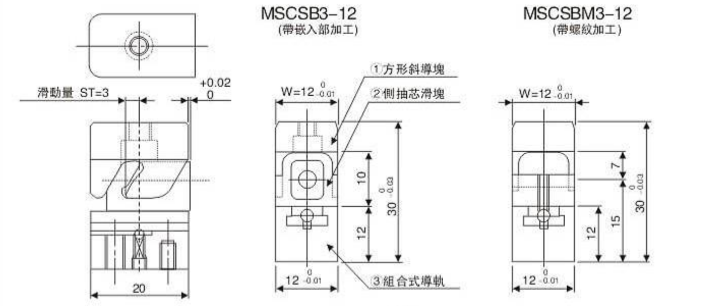
● 本産品專爲注塑成形模具開發，不可用與其他用途。
● 爲防止燒結，請在滑動部位塗抹潤滑油。

■安裝加工尺寸

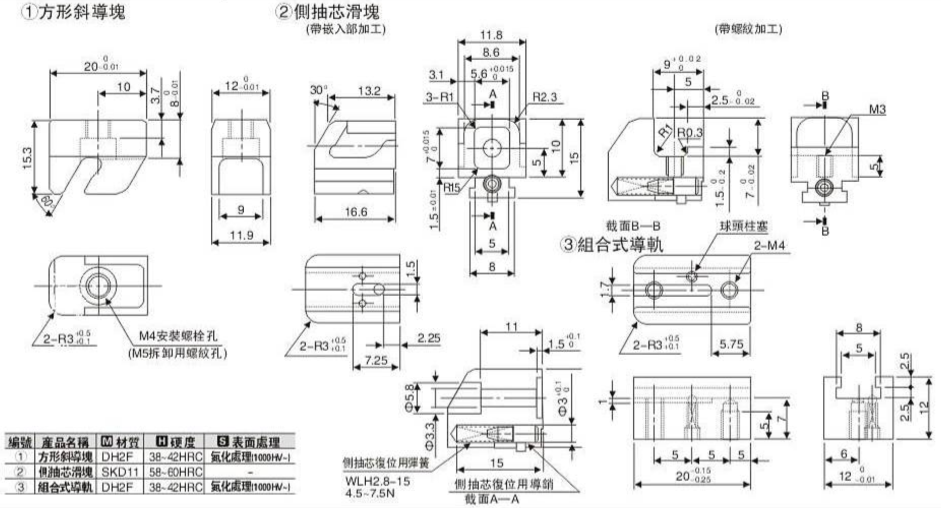


小型側抽芯滑塊組件(滑動量3mm)-緊湊型・帶側抽芯滑塊復位結構-

SMALL SIDE CORE PULING COMPONENT(SLIPPAGE OF 3MM)-COMPACT・WITH RESET STRUCTRTE OF SIDE CORE PULLING SLIDER



● 因方形斜導塊和側抽芯滑塊爲配合加工，若改變配對組合，將達不到 $^{+0.02}_{0}$ 的精度。



編號	產品名稱	Ⓜ材質	Ⓗ硬度	Ⓢ表面處理
①	方形斜導塊	DH2F	38~42HRC	氮化處理(1000HV~)
②	側抽芯滑塊	SKD11	58~60HRC	-
③	組合式導軌	DH2F	38~42HRC	氮化處理(1000HV~)

型號		W	單價（元）
Type	ST		
MSCSB (帶嵌入部加工)	3	12	
MSCSBM (帶螺紋加工)			

Order: Type No. - ST - W × Pcs
MSCSB - 3 - 12 × 10

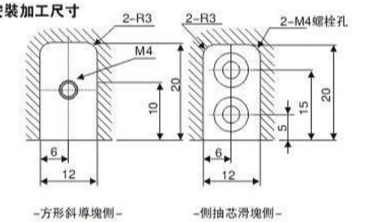
■特點

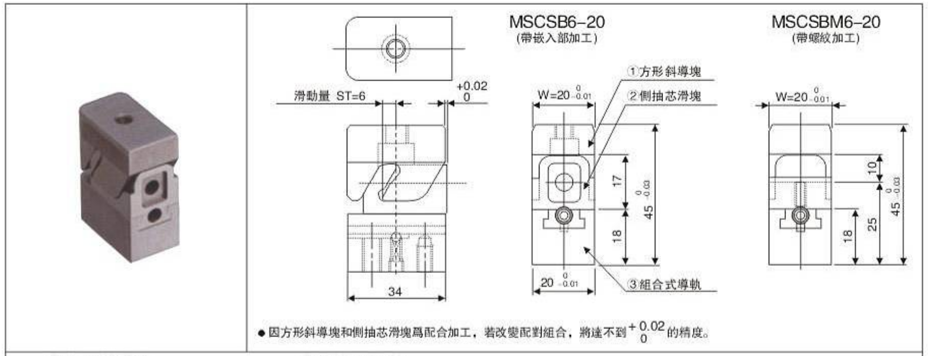
本産品是在MSCSG3-12、MSCSGM3-12上增加了側抽芯滑塊復位結構的側抽芯滑塊組件。
由于側抽芯滑塊内設有彈簧組件，因此即使在重力方向上亦可放心使用。并且，滑塊很容易拆裝，便于對型芯部進行調整。

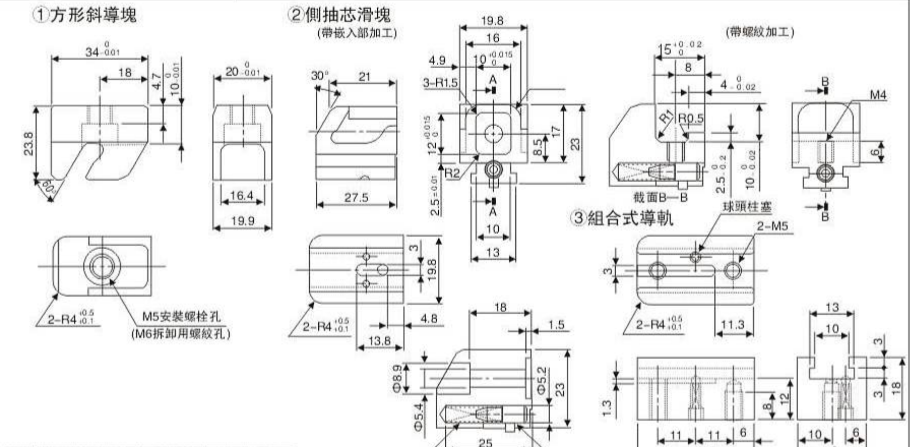
■注意事項

● 本産品專爲注塑成形模具而開發，不可用于其它用途。
● 爲防止燒結，請在滑動部位塗抹潤滑油。

■安裝加工尺寸







編號	產品名稱	M 材質	H 硬度	S 表面處理
①	方形斜導塊	DH2F	38~42HRC	氮化處理(1000HV-)
②	側抽芯滑塊	SKD11	58~60HRC	-
③	組合式導軌	DH2F	38~42HRC	氮化處理(1000HV-)

型號			W	單價（元）
Type		ST		
MSCSB (帶嵌入部加工)		6	20	
MSCSBM (帶螺紋加工)				

Order: Type No. - ST - W × Pcs
MSCSB - 6 - 20 × 10

■特點 (MSCSB・MSCSBM)

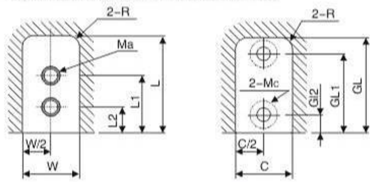
①側抽芯滑塊的復位結構
・側抽芯滑塊部分内設彈簧復位組件，因此在重力方向上亦可放心使用。此外，側抽芯滑塊容易拆裝，便于對側抽芯部進行調整。

②節省空間
・與MSCN、MSCK相比，通過變更導向結構，可節省50%的安裝空間。

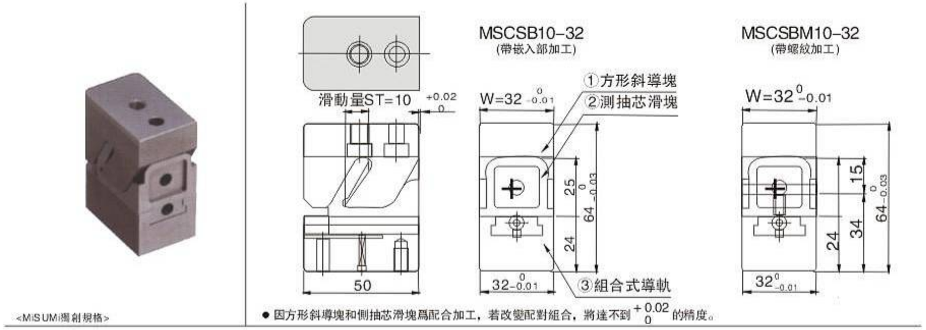
③側抽芯滑塊鎖緊結構
・通過球頭柱塞使側抽芯滑塊穩定運動。

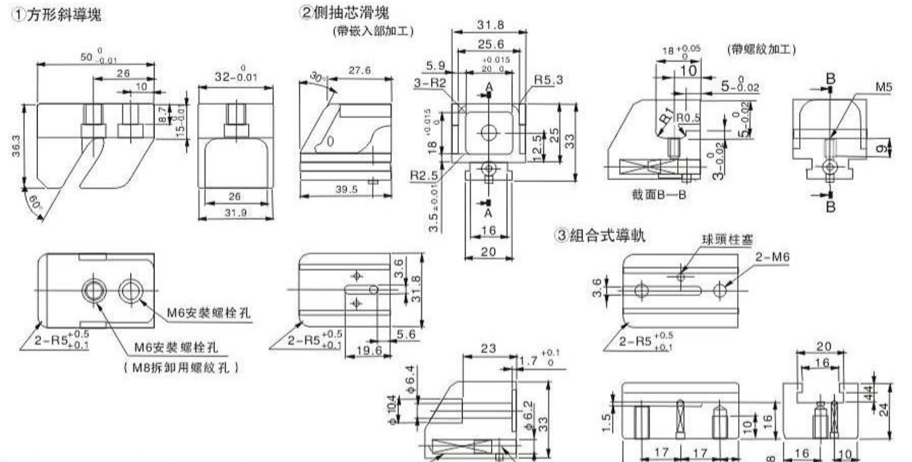
④側型芯的安裝方法有2種選擇。

⑤削減總成本
・方形斜導塊、側抽芯滑塊、組合導軌爲一套組件，無需加工斜導柱安裝孔等，故可降低總體加工成本。(側型芯部分請用户自行加工)
・無需進行側抽芯滑塊行程等繁瑣的計算。



-方形斜導塊側-　　-側抽芯滑塊側-





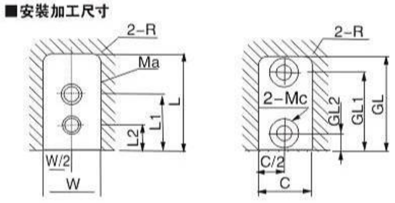
編號	產品名稱	M 材質	H 硬度	S 表面處理
①	方形斜導塊	DH2F	38~42HRC	氮化處理(1000HV-)
②	側抽芯滑塊	SKD11	58~60HRC	-
③	組合式導軌	DH2F	38~42HRC	氮化處理(1000HV-)

側抽芯復位用彈簧
WLH6-30
彈簧負載
4.3~14.6N

型號			W	單價（元）
Type		ST		
MSCSB (帶嵌入部加工)		10	32	
MSCSBM (帶螺紋加工)				

Order: Type No. - ST - W × Pcs
MSCSB - 10 - 32 × 10

■安裝加工尺寸



-方形斜導塊側-　　-側抽芯滑塊側-

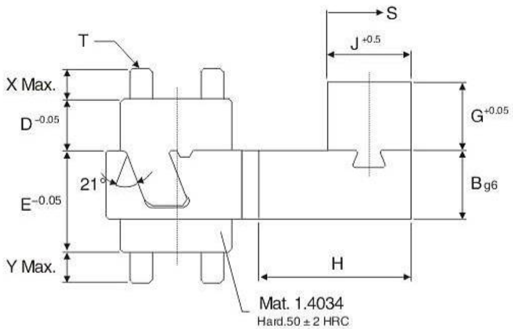
● L2"尺寸僅適用于ST=10

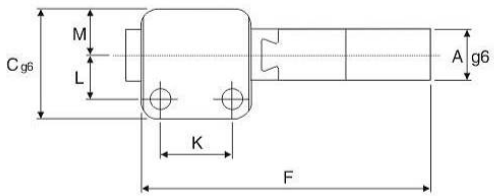
ST	W	定模側					動模側					
		L	L1	L2	Ma	R	C	GL	GL1	GL2	Mc	R
6	20	34	18	–	M5	4	20	34	28	6	M5用	4
10	32	50	26	10	M6	5	32	50	42	8	M6用	5

● Mc爲螺栓用内沉孔。

內抽芯滑塊 UU INTERIOR CORE PULLING SLIDER

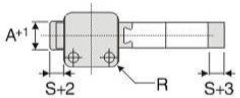
有效的解决了塑胶产品的内倒扣问题，所有的加工都成90度。分体式设计，安装简单，方便拆卸。
Effective solution to plastic products for the part with internal undercut,all processed into 90 degrees,split design for simple installation and easy disassembiy.

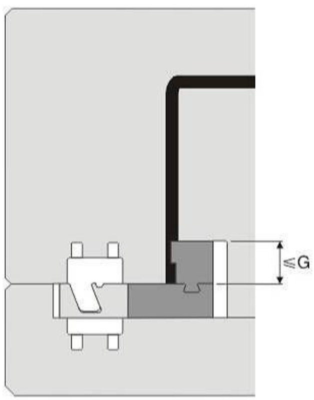


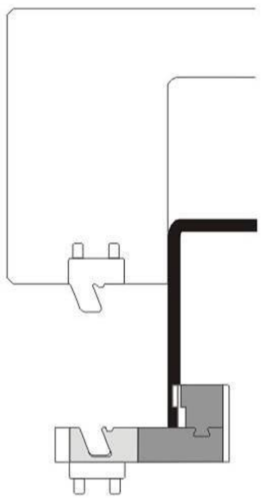


Type	A	B	C	D	E	F	G	H	J	K	L	M	S	R	T	X	Y	單價 ¥ Unit price
UU.081220	8.2	12	20	10	18	56.5	12	32	16	12.5	8.25	8	3	3.75	M4	7	8	
UU.121626	12.2	16	26	12	24	68.5	16	36	20	17	10.5	11	4	4.5	M5	9	7	
UU.162032	16.2	20	32	16	30	91	20	50	25	22	13	14	5	5	M6	10	11	

Order: Type No. × Pcs
UU.081220 × 10

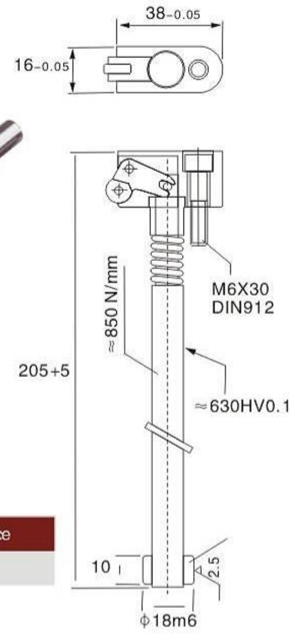


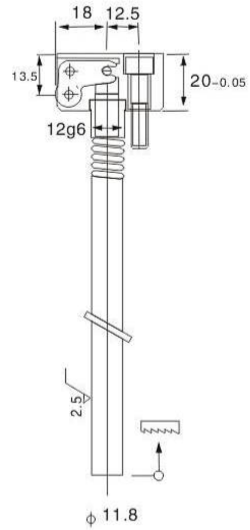




導柱固定器 RA AUTOMATIC RETAINER

- 簡化的機構能提供良好的固定功能。
- 降低了裝配與加工的成本，優化模具結構，可承受2000kg的力，
- 安全簡易，使模具制造更標準化。
- Reduces costs in machining and fitting.no need for expensive hydraulic systems.
- Retention of cam slides up to 2000kg.
- Offers a standard solution to the molder.



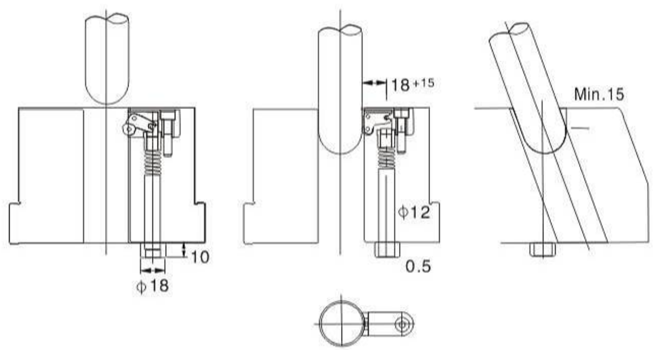


Type	單價 ¥ Unit price
RA.163812	

Order: Type No. × Pcs
RA.163812 × 10

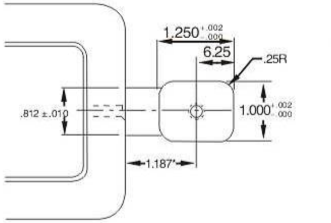
加工示意圖

請把導柱固定器的柱長削到比滑塊高度短0.5mm.
Cut the rod 0.5mm shorter than the slide height.

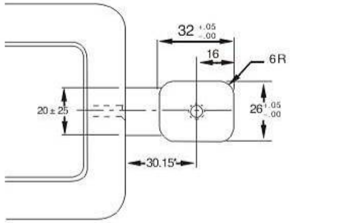


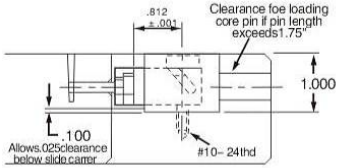
側抽芯滑塊 CA 100 SLISER UNITS

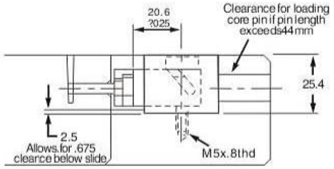
英制標準（Inch）

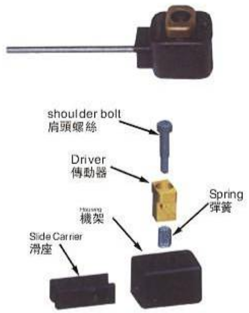


公制標準（mm）





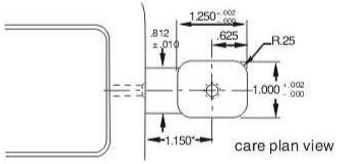




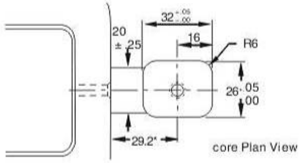
Type	單價 ¥ unitprice
CA-100(英制）	
CA-100(公制）	

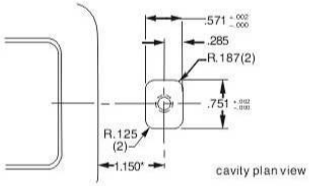
側抽芯滑塊 CA 200
sliser units

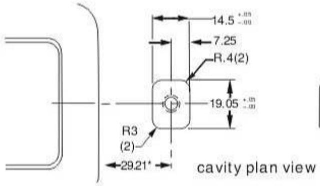
英制標準（Inch）

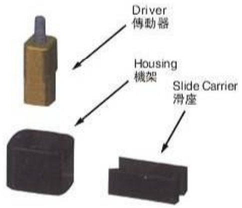


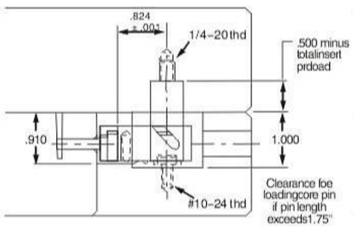
公制標準（mm）

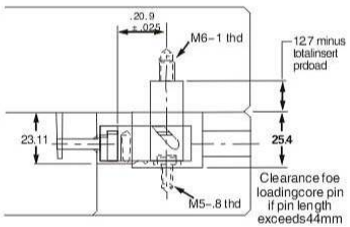










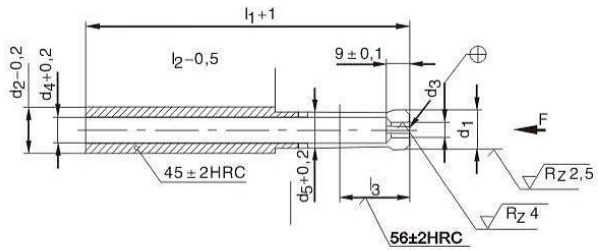


Type	單價 ¥ unit price
CA-200（英制標準型傳動器）	
CA-200L（英制長型傳動器）	
CAM-200（公制標準型傳動器）	
CAM-200L（公制長型傳動器）	

頂出系列
Ejector series

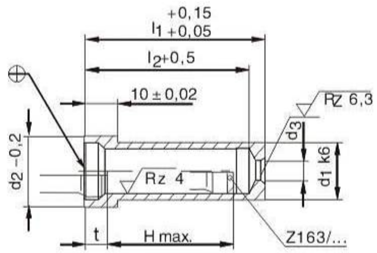
復出機構Z163 EARLY EJECTOR RETURN ASSEMBLY

用于頂針板早回裝置也可作爲二次頂出使用，安裝需精準，否則産品易損壞。
It Is used for return device of thimble board.besides,it can also be used for second ejection.the insealltion shallbeaccurate.otherwise,the product is likely to be damaged.

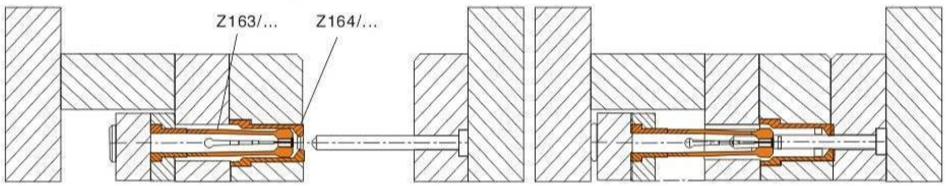


Type	max.F[N]	l_3	l_2	d_1	d_2	d_4	d_5	d_3	l_1	單價? Unitprice
Z163/6x125	12000	20	73	16	18	10	13	6	125	
10x160	20000	25	100	20	24	12,5	17	10	160	

Z164

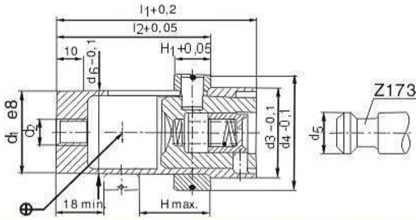


Type	max.H	t	l_2	d_2	d_1	d_3	l_1	單價¥ unitprice
z164/6x36	24	6,7	31	22	18	6	36	
46	34		41				46	
56	44		51				56	
z164/10x36	23	6,7	30	29	24	10	36	
46	33		40				46	
56	43		50				56	
76	63		70				76	



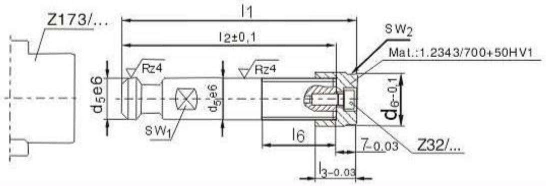
復出機構Z173 EARLY EJECTOR RETURN ASSEMBLY

具有二次頂出，復位機構，内縮模扣裝置功能。
le has second ejection,reset mechanism and internal mode locking buckle function.



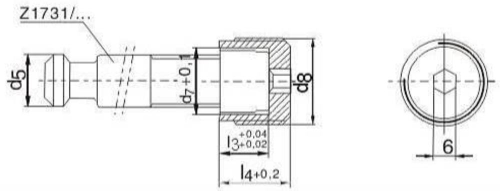
Type	h_2	l_2	l_1	d_6	d_5	d_4	d_3	d_2	H min.	d_1	H max.	價格/套
Z173/32x28	14	60	78	32,2	14	44,8	34,8	M10	6	32	28	
32x56		88	106								56	
38x36	16	70	90	38,2	18	51,8	40,8	M12	8	38	36	
38x71		105	125								71	

Z1731

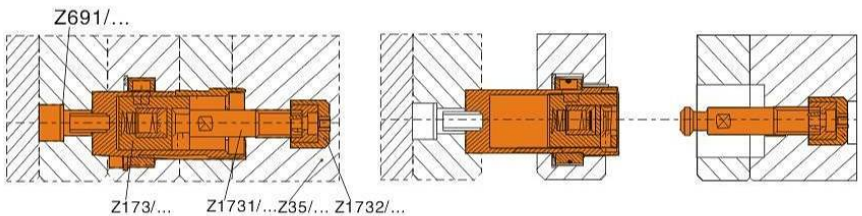


Type	SW_1	SW_2	l_6	l_3	l_2	d_6	d_5	l_1
Z1731/14x63	12	15	20	14	56	18,5	14	63
80				16	73			80
100			25		93			100
125					118			125
Z1731/18x80	15	19	20	16	73	23,5	18	80
100					93			100
125			30		118			125
140					133			140

Z1732

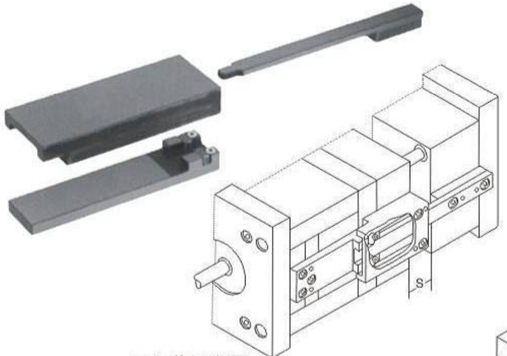


Type	l_4	l_3	d_8	d_7	d_5
Z1731/14	20	14	M24x1	19	14
18	22	16	M30x1,5	24	18

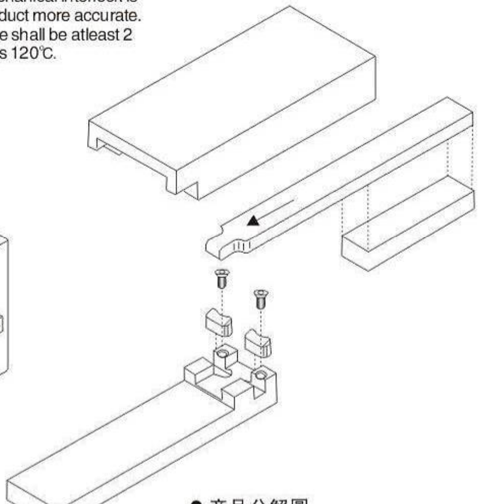


特點：安裝加工簡單，機械互鎖設計，安全可靠，可根據模具荷重選擇對應産品，在模板上至少要2套并對稱使用。使用温度範圍120℃。

Characteristics:Installation and processing are simple.Design of mechanical interlock is safe and reliable.Connecting body and square positioning make product more accurate. People can select corresponding product according to die load.There shall be atleast 2 sets on template for symmetrical use.Operating temperature range is 120℃.

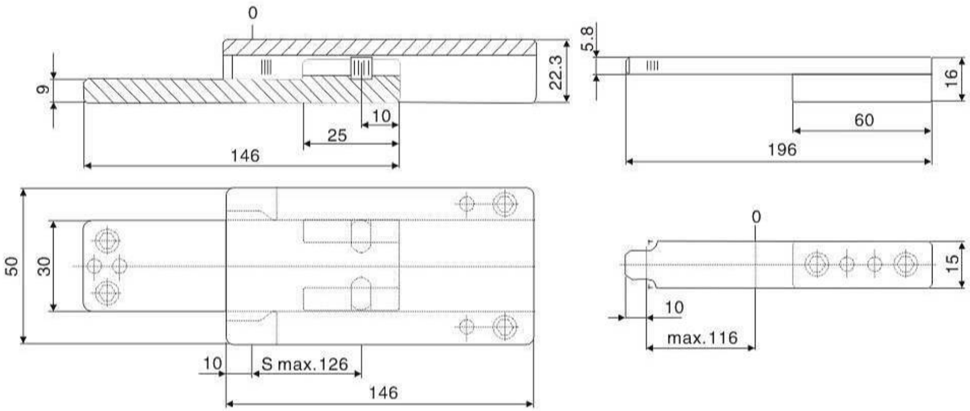


● 安裝示意圖
Installation diagram



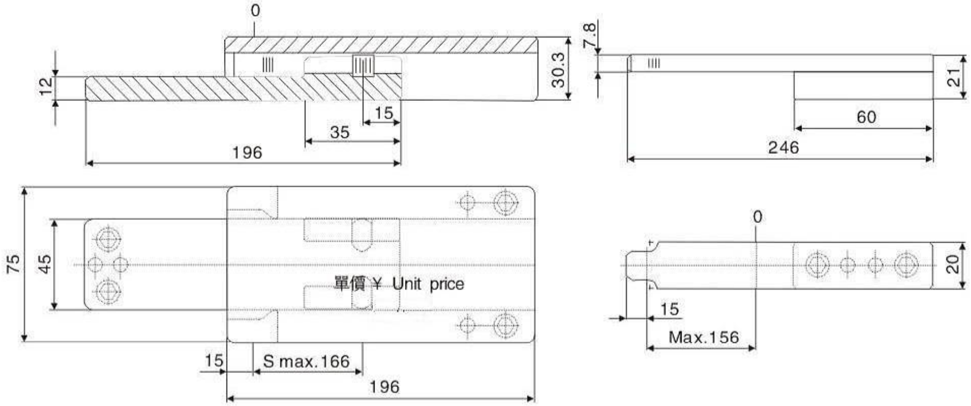
● 産品分解圖
Product breakdown drawing

※注意事項：在模具加工中，必須計算相同的行程對稱安裝，否則會導致單套鎖模扣受力不平衡，導致組件斷裂。
※Precautions:It is required to calculate the same stroke for symmetrical installation during die processing.Otherwise,it will cause unbalance force of single set of mode locking buckle and breakage of component.



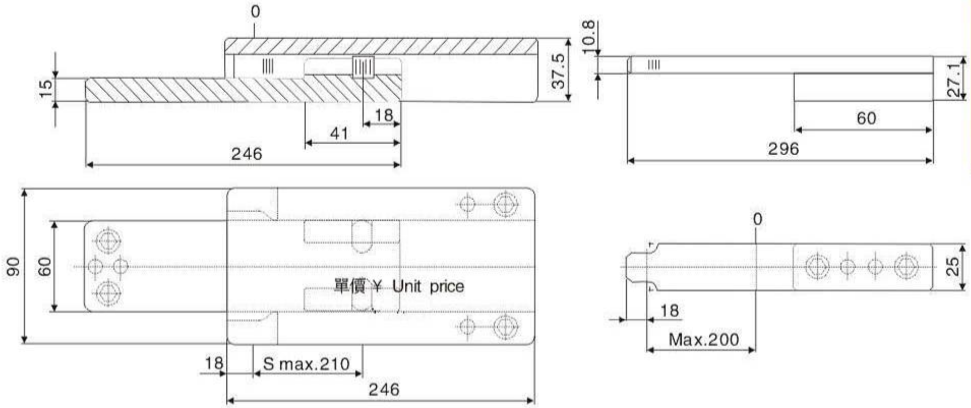
Type	單價 ¥ Unit price
Z7-1	

Order: Type No × Pcs
Z7-1 × 10



Type	單價 ¥ Unit price
Z7-15	

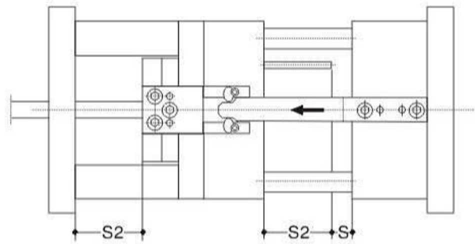
Order: Type No. × Pcs
Z7-15 × 10



Type	單價 ¥ Unit price
Z7-2	

Order: Type No. × Pcs
Z7-2 × 10

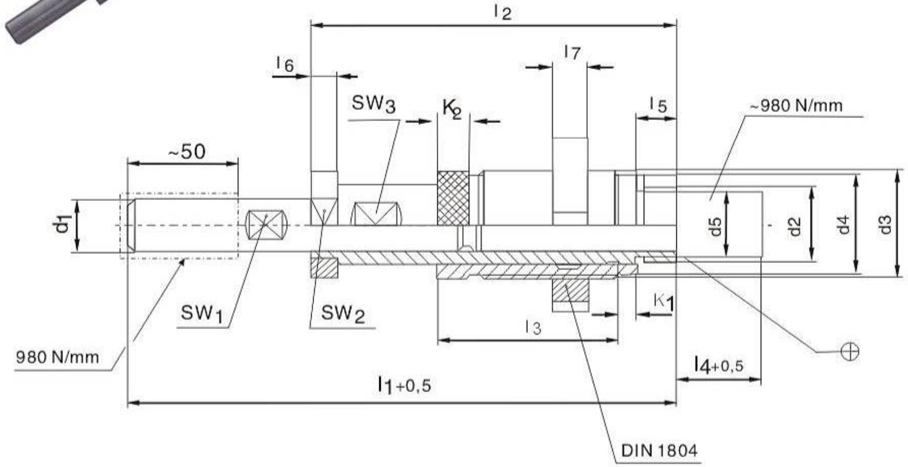
Example
使用例

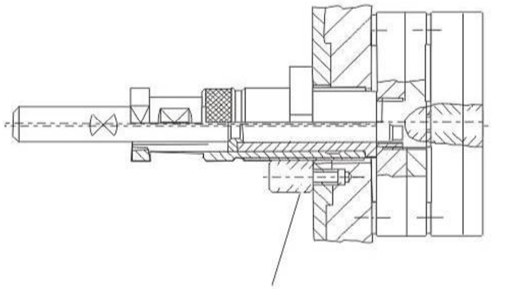


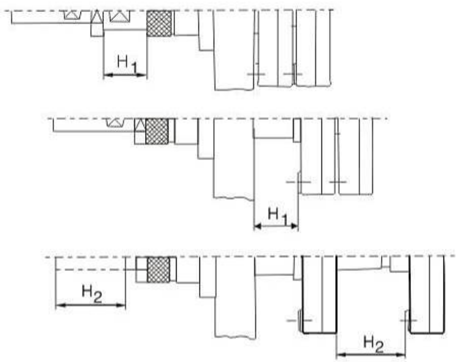
頂出系列 Ejector series

方便安裝加工機械互鎖設計，安全可靠，安裝行程計算請需精準，否則產品易損壞，請根據模具荷重要求選擇適合的規格。

Lt is convenient for installing processing machinery interlocking design so that it is safe and reliable.The insealIation stroke needs to be calculated accurately.Otheruise,the product is likely to be damaged . Select apprpriate specification according to load requirement of the die.





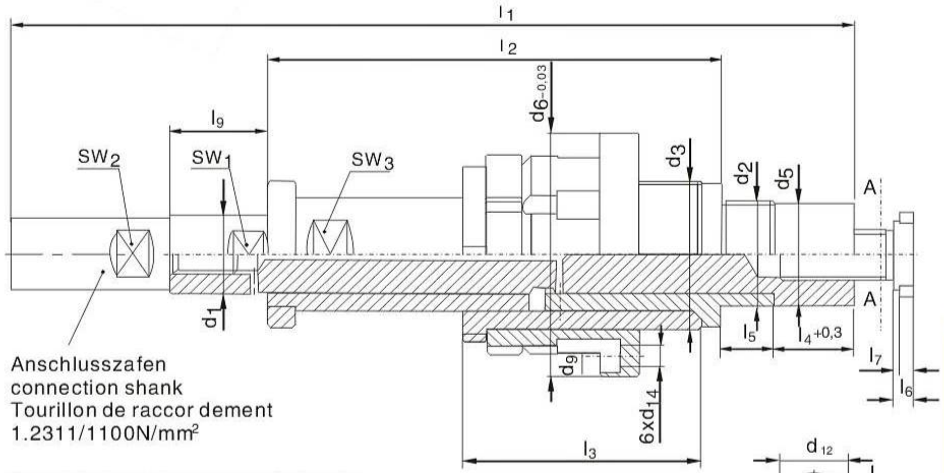


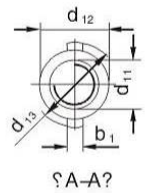
Type	SW3	SW2	SW1	k2	k1	d4	d5	l7	l6	d7	l5	l3	l2	l1	d2	d3	H1 min.	H1 max.	H2 min.	H2 max.	d1	單價 ¥ unit price
Z169/16	20	28	13	8	5	30	30	11	9	11	26	56	112	164	M22x1	M32x1，5	5	30	3	50	16	
22	27	38	17	10	6	40	28	12		16	36	75	148	220	M30x1，5	M42x1，5	6	40	4	70	22	
30	38	55	24		7	50	38	13	11	21	45	80	170	255	M40x1，5	M60x1，5	7	50			30	
40	46	65	32	14	8	65	50	14	12	22		98	200	270	M52x1，5	M70x1，5	7,5	60	5	80	40	

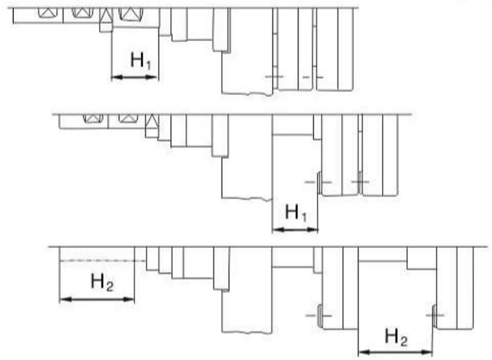
Order: Type No. — d1 x pcs
Z169 —16 x 10

方便安裝加工機械互鎖設計，安全可靠，安裝行程計算請需精準，否則產品易損壞，請根據模具荷重要求選擇適合的規格。

Lt is convenient for installing processing machinery interlocking design so that it is safe and reliable.The insealIation stroke needs to be calculated accurately. Otheruise,the product is likely to be damaged . Select apprpriate specification according to load requirement of the die.







Type	SW1	SW2	SW3	d2	d3	d5	d6	d9	d11	d12	d13	d14	b1	l1	l2	l3	l4	l5	l6	l7	l9	H1	H2 max.	d1	單價 ¥ unit price
Z1691/13	10	10	17	M20x1	M28x1,5	18,5	50	41,6	M8x0,75	13,4	17,6	4,3	3,2	164	72	38,3	21	9	4	2,6	22	3-20	44	13	
17	13	12	21	M24x1,5	M35x1,25	22	60	48	M11x1	17,4	22	5,4	4	228	110	63		12	5	3,5	25	4-30	65	17	
22	17	17	27	M30x1,5	M45x1,5	28	75	61	M14x1	21	27	6,5	5	270	131	74	17	17	6	4	30	6-42	80	22	
30	24	22	36	M40x1,5	M60x1,5	38	100	82	M18x1	26	33	8,8	6	340	166	89	27		7	5	38	10-60	95	30	
40	32	32	46	M55x1,5	M75x1,5	52	125	104	M25x1,5	35	43	11	8	470	232	122	41	27	10	7	50	14-86	130	40	
52	41	41	65	M72x1,5	M98x2	69	150	128	M34x1,5	48	58	11	9	583	295	155	51	27	15	11	60	18-110	180	52	

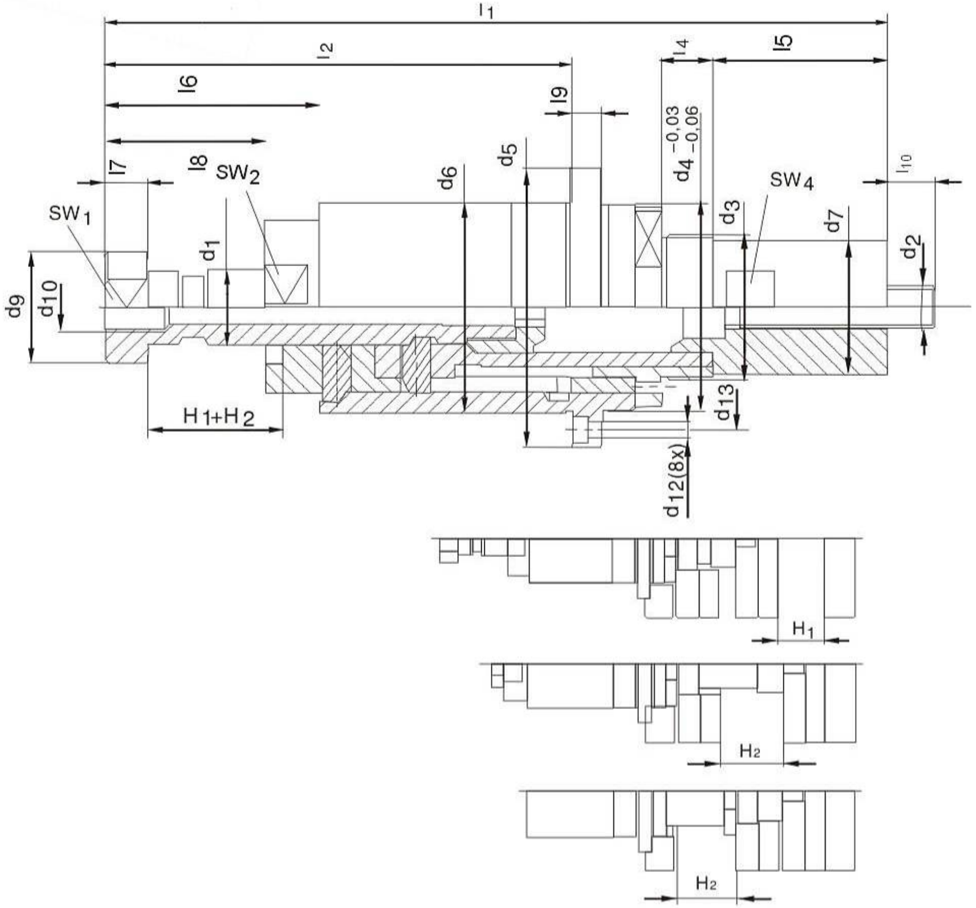
Order: Type No. — d1 x pcs
Z1691 —13 x 10

頂出系列 Ejector series

二次頂出 Z 1692 TWO-STAGE EJECTORS

方便安裝加工機械互鎖設計，安全可靠，安裝行程計算請需精準，否則產品易損壞，請根據模具荷重要求選擇適合的規格。

It is convenient for installing processing machinery interlocking design so that it is safe and reliable.The insealIation stroke needs to be calculated accurately. Otheruise, the product is likely to be damaged. Select apprpriate specification according to loadrequirement of the die.



Type	SW1	SW2	SW4	d2	d3	d4	d5	d6	d7	d9	d10	d12	d13	l1	l2	l4	l5	l6	l7	l8	l9	l10	H2 max.	d1	H1	單價¥ unit price
Z1692/25x45	32	50,2	38	M14x1	M48x1,5	69	93	70	45	37	M16	5,4	81	260	155	17	58	71	14	53	10	16	4–45	25	4–45	
32x60	41	60,2	46	M18x1	M58x1,5	80	110	82	55	46	M16	6,4	95	325	198	17	80	89	15	68	12	25	5–60	32	6–60	
40x80	50	80,2	65	M24x1,5	M76x1,5	106	140	108	73	56	M24	8,5	123	471	258	22	152	116	18	90	14	24	6–80	40	8–80	

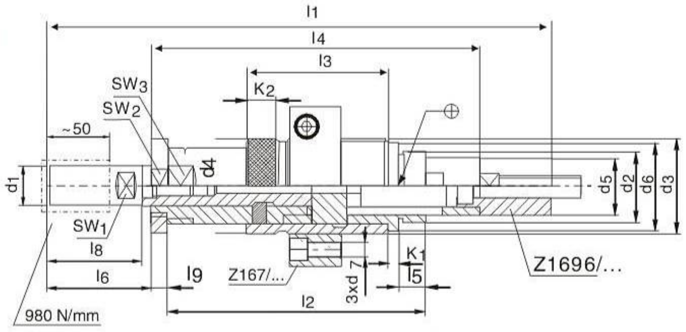
Order: Type No. — d1 x h1 x Pcs
Z1692 — 25 x 45 x 10

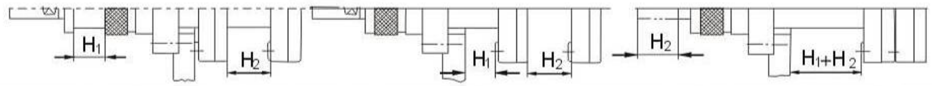
二次頂出 Z 1695 TWO-STAGE EJECTORS

锦鸿 JH

方便安裝加工機械互鎖設計，安全可靠，安裝行程計算請需精準，否則產品易損壞，請根據模具荷重要求選擇適合的規格。

It is convenient for installing processing machinery interlocking design so that it is safe and reliable.The insealIation stroke needs to be calculated accurately.Otheruise,the product is likely to be damaged. Select apprpriate specification according to loadrequirement of the die.

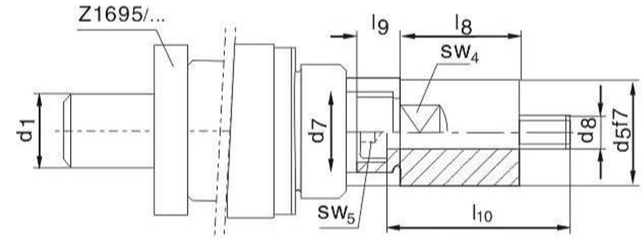




Type	k2	k1	sw3	sw2	sw1	k2	k2	k2	k2	k2	k2	l2	l1	H2 min.	H2 max.	H1 min.	H1 max.	d7	d6	d5	d4	d3	d2	d1	單價¥ unit price
Z1695/22	18	6	36	46	17	10	52	58	17	175	82	141	278	6	48	4	36	9	50	31,5	52	M52x1,5	M40x1,5	22	
25		7	41	55	19		60	66		207	89	163	329	8	60	5	50		56	36	60	M60x1,5	M45x1,5	25	
32	16	8	50	65	27	12	82	102	22	257	106	196	430	10	86	6	60	11	70	44	70	M72x1,5	M55x1,5	32	

Order: Type No. — d1 x Pcs
Z1695 — 22 x 10

二次頂出 Z 1696
TWO-stage ejectors

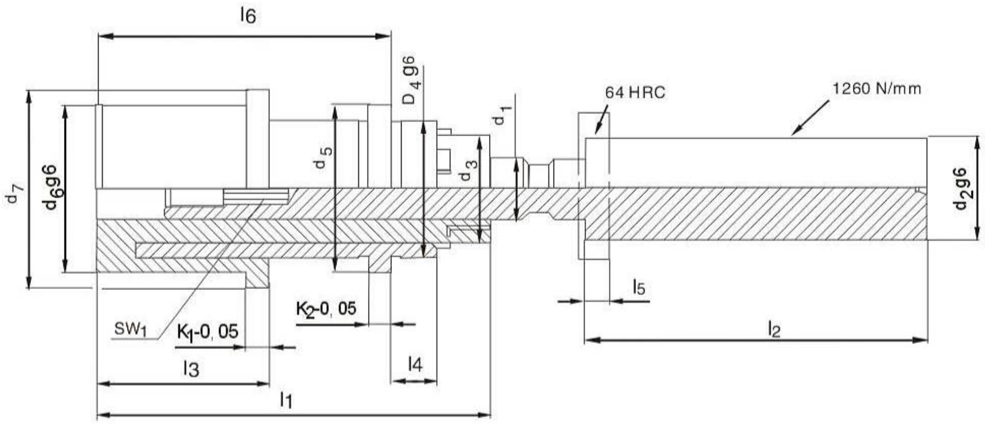


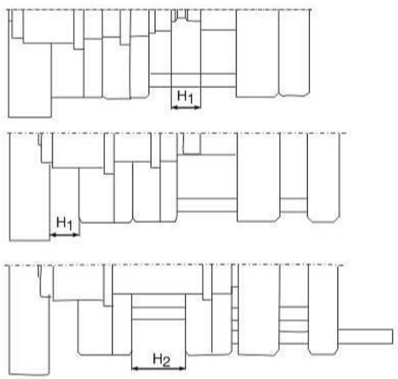
Type	SW5	SW4	l10	l9	l8	d8	d7	d5	d1	單價¥ unit price
Z 1696/22	6	27	62	13	45	M12x1,25	M24x1,25LH	31,5	22	
25	8	32	78	14	56	M14x1,5	M28x1,25LH	36	25	
32		36	100	16	71	M16x1,5	M34x1,25LH	44	32	

Order: Type No. — d1 x Pcs
Z1696 — 22 x 10

二次頂出 Z 1697 TWO-STAGE EJECTORS

機械互鎖設計，相比其它二次頂出系列，結構更簡單，安裝更方便。
Machinery interlocking design makes makes structure much simpler and installation more convenient conparing with otherseconde jection series.



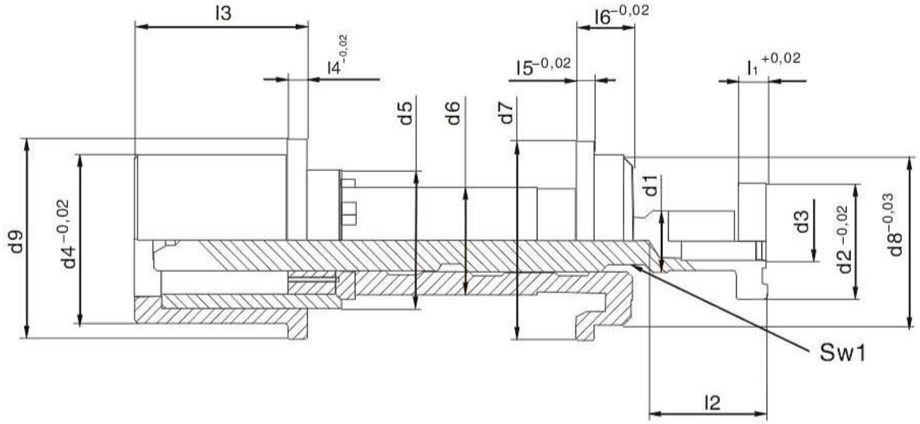


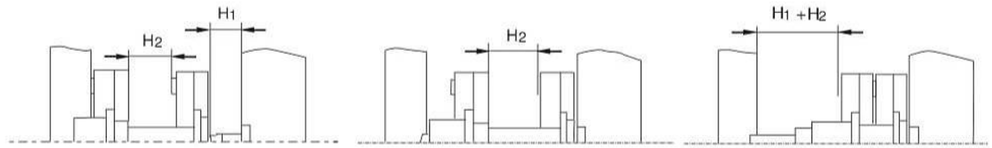
Type	Sw_1	K_2	K_1	l_6	l_5	l_4	l_3	l_2	l_1	d_7	d_6	d_5	d_4	d_3	d_2	H_1 min.	H_1 max.	H_2 min.	H_2 max.	d1	單價¥ unit price
Z1697/16	8	6	6	77	5	12	45	90	103	52	44	43	36	28	27	6	76	3	76	16	
20	10	7	7	101	6	17	59	100	134	59	51	51		34	32	8	93	4	96	20	
26	14	8	8	126	7	22	74	150	168	73	64	63	54	43	42	10	130	5	130	26	

Order: Type No. — D1 x Pcs
Z1697 —16 x 10

二次頂出 Z 1698 TWO-STAGE EJECTORS

機械互鎖設計，相比其它二次頂出系列，結構更簡單，安裝更方便。
Machinery interlocking design makes makes structure much simplerand inseallation more convenient conparing with other second ejection series.



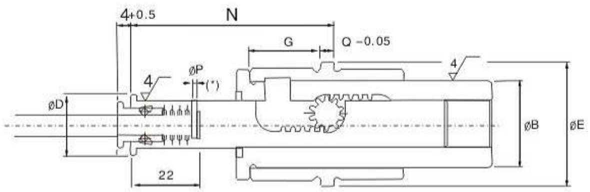


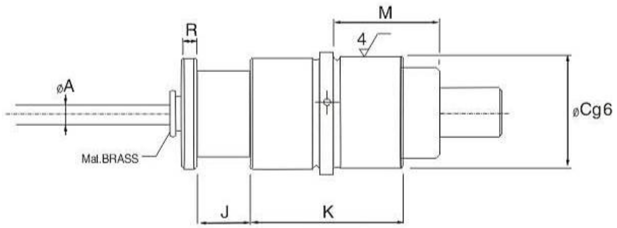
Type	SW_1	16	15	14	13	12	l1	d9	d8	d7	d6	d5	d4	d3	d2	H 1 min.	H 1 max.	d1	H 2 min.	H 2 max.	單價¥ unit price
Z1698/16xH2	12	15	5	5	45	28	8	52	44	52	28	36	44	M10	31	4	68	16	4	68	
20xH2	15	20	6	6	60	30	10	59	51	59	34	43	51	M12	34	5	92	20	5	92	
26xH2	20	25	8	8	74	38	12	73	64	73	43	54	64	M16	44	6	120	26	6	120	

Order: Type No. — D1 x Pcs
Z1698 —16 x 10

加速頂出機構 AE ACCELERLERATED EJECTOR

・可夾持固定一枚頂針，能增加相對行程的額外8mm或15mm
・的二次頂出。幫助塑膠件脱落。
・頭部有一小孔，可內鑲一枚固定針，防止頂針轉動。
・安裝空間要小，節約成本。
・祇需做簡單的垂直孔位加工便能簡易裝配，優化模具結構。
・Enables 15mm.additional stroke pn one eiector pin.
・Only round pockets needed to install the paet.
・Possible to key
・Enables quick replacement of the ejector

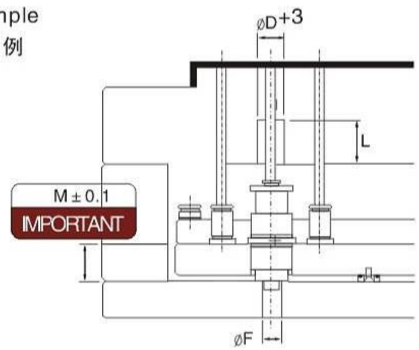


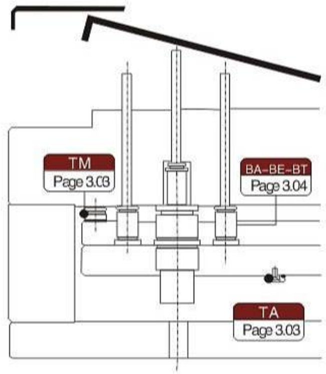


Type	A	B	C	D	E	F	G	J	K	L	M	N	P	Q	R	單價 ¥ Unit price
AE.031620	3	16	20	12.5	22	13	14	8	32	22	17	37	–	4	3	
AE.041620	4	16	20	12.5	22	13	14	8	32	22	17	37	–	4	3	
AE.052430	5	24	30	16	34	16	20	15	44	36	27	57	2	4	3	
AE.062430	6	24	30	16	34	16	20	15	44	36	27	57	2	4	3	
AE.082430	8	24	30	17	34	17	20	15	44	36	27	57	2	4	3	
AE.103036	10	30	36	21.5	40	21	28	20	62	46	34	78	2	6	4	
AE.123036.	12	30	36	21.5	40	21	28	20	62	46	34	78	2	6	4	

Order: Type No. x Pcs
AE.031620 x 10

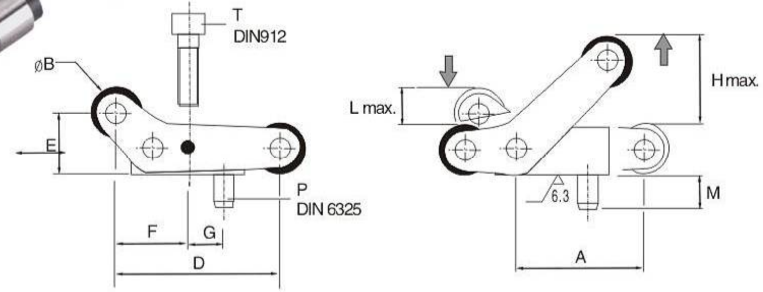
Example
使用例

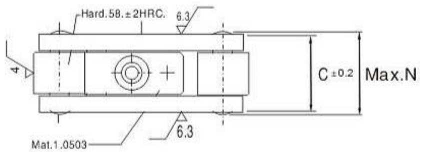




模板加速器 EP PLATE ACCELERATOR

・簡易裝配便能達到良好的加速效果。
・安裝空間小，優化模具結構。
・Simpie assembly vill be able to achieve a good speedup.
・Small installction space,optimization of mold structure.

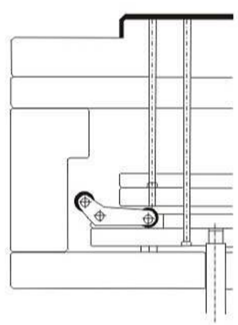


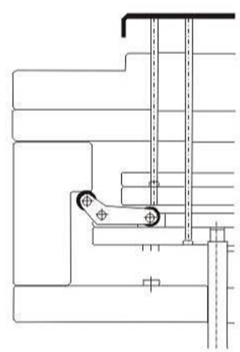


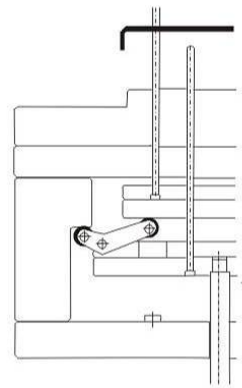
Type	A	B	C	D	E	F	G	H max.	L max.	M	N	P	T	Max. Force	單價 ¥ Unit price
EP.200813	20	8	13.2	25.8	9.4	11.4	6	13.6	5.5	5	15	2.5x10	M3x12	75kg.	
EP.251016	25	10	16	32.3	11.8	14.3	7	17	6.8	6	18.5	3x12	M4x16	125kg.	
EP.371522	37.5	15	22	48.5	17.7	21.5	10.5	25.5	10.2	8	25	4x16	M6x25	250kg.	
EP.502030	50	20	30	64.6	23.6	28.6	14	34	13.6	10	34	5x20	M8x30	500kg.	

Order: Type No. x Pcs
EP.200813 x 10

Example
使用例





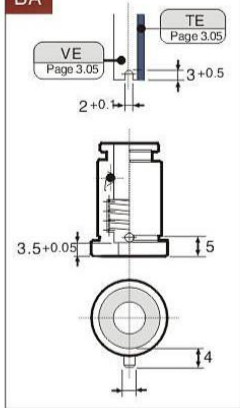


(頂針)基座 BA-BE-BT EJECTOR BASE

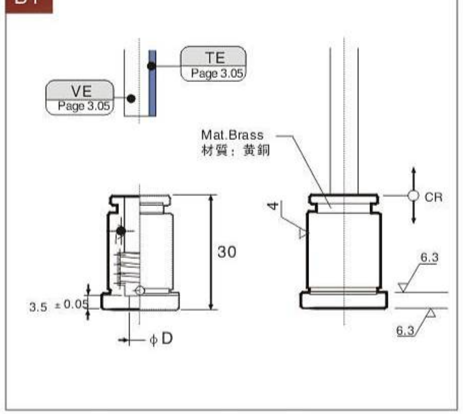
· 拆裝簡易，衹需擠壓頂部，便可更換頂針。BA-帶有固定針，防止頂針轉動。
· 經過特殊硬化處理，可持久使用。可在高温下正常工作。
· Enables quick replacement of ejectors,ejector sleeve ahd molding inserts without taking the moldfrom the press.BA-Possible to key.
· Bronze cap enables the bases to work in high temperatures

Mat.材質：1.7242
Hardened硬度：58±2HRC

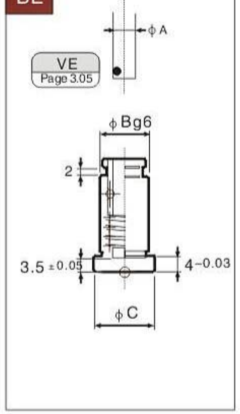
BA



BT



BE

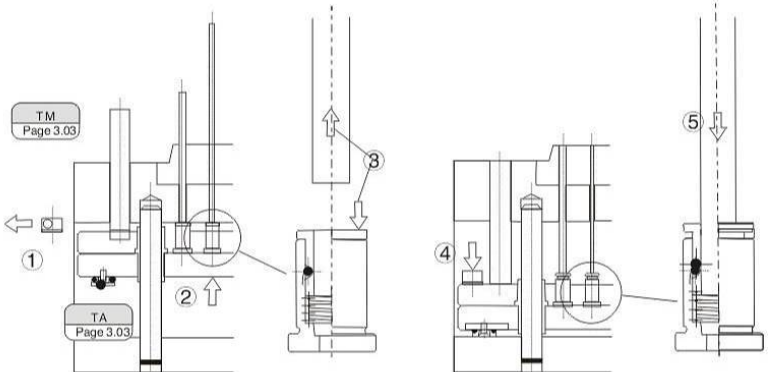


Type		A	B	C	D	CR(N)	單價¥ Unit price
BA.061418	BT.061418	6	14	18	3.5	≥3.800	
BA.081620	BT.081620	8	16	20	3.5	≥5.100	
BA.101822	BT.101822	10	18	22	7	≥6.400	
BA.122024	BT.122024	12	20	24	9	≥7.600	

Type	A	B	C	CR(N)	單價¥ Unit price
BE.031115	3	11	15	≥2.550	
BE.041216	4	12	16	≥2.550	
BE.051317	5	13	17	≥3.800	

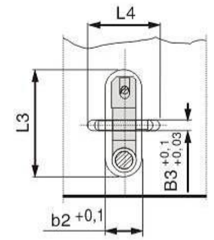
Order: Type No. x Pcs
BA.061418x 10

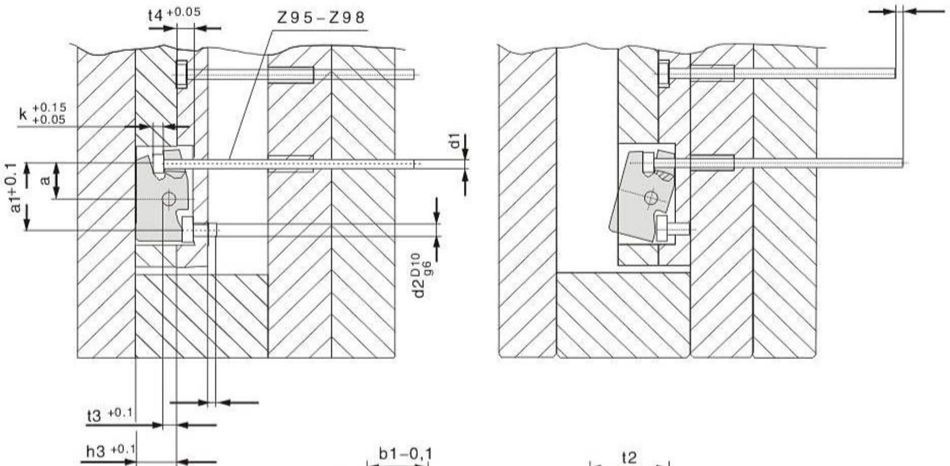
Example
使用例

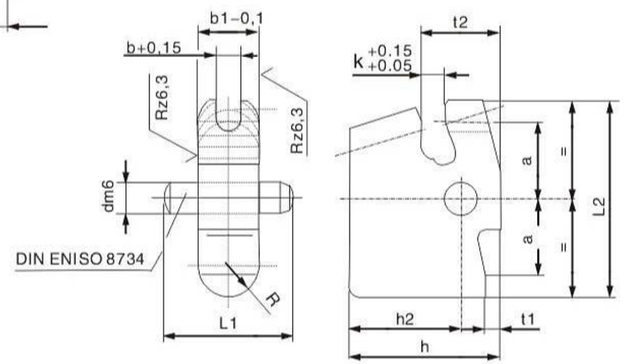


加速頂出機構 Z141 AVVELERLERATED EJECTOR

錦鴻 JH





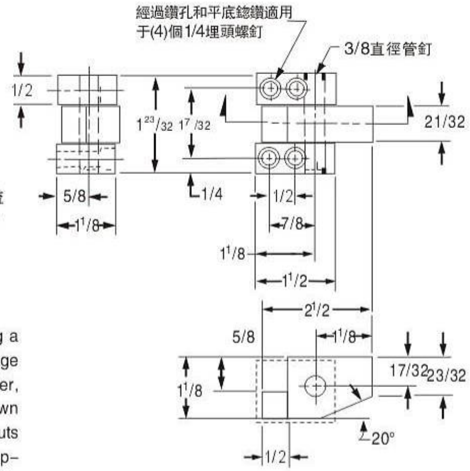


Type	d1	b	b1	b2	b3	a	a1	d	d2	h	k	h2	h3	L1	L2	L3	L4	t1	t2	t3	t4	R	S	單價¥ Unit price
Z141	3	3	8	8.5	4	10	20	4	4	19	3	14	16	16	26	31	23	2	10	4	4	4	2.5	
	6	6	16	16.5	8	21	42	8	8	34	5	23	27	36	56	63	45	4	21	8	8	8	7.6	

Order: Type No. — d1 x Pcs
z141 —3 x 10

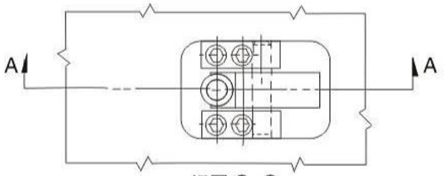
頂出系列 Ejector series

加速頂出 AED ACCELERATED EJECTDF



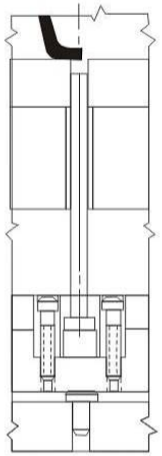
加速頂棍設計簡單，采用樞軸型動作進行加速頂出機械效益1:1，他們適應高達3/8”直徑的頂針，（頂部直徑超過5/8”的頂針可以打磨進行區配）簡單的設計允許加速頂棍可以插入推板中，（如下圖所示）或在頂端安裝，但依據頂出活動所獲得的空間而定。

The DME Accelerated knock–Outs are simple in design.using a pivot–tyoe motion for accelerated ejection..rchanical advantage is1;1.They will accommodate ejector pins up to3/8?in diameter,(pin with head diameters greater than5/8?can be ground down to fit.)Simplicity of design permits DME Accelerated knock–Outs either to be jnserted into the ejector plate(as shown below)or top–mounted,depending on space available for the ejection movemrnt.

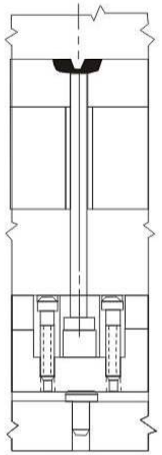


視圖 C–C

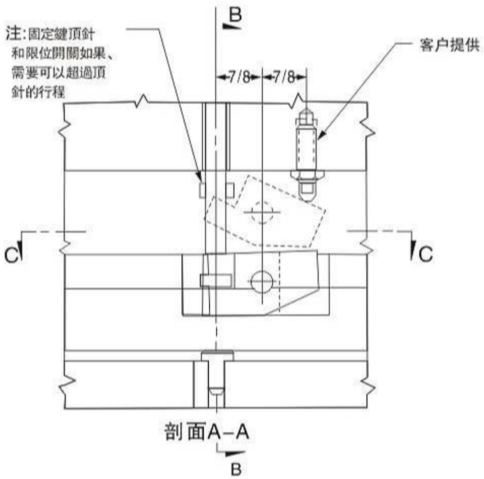
标准应用情况
Typicalapplications



剖面面B–B
應用情况1



剖面B–B
應用情况2

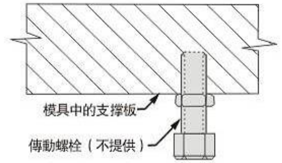


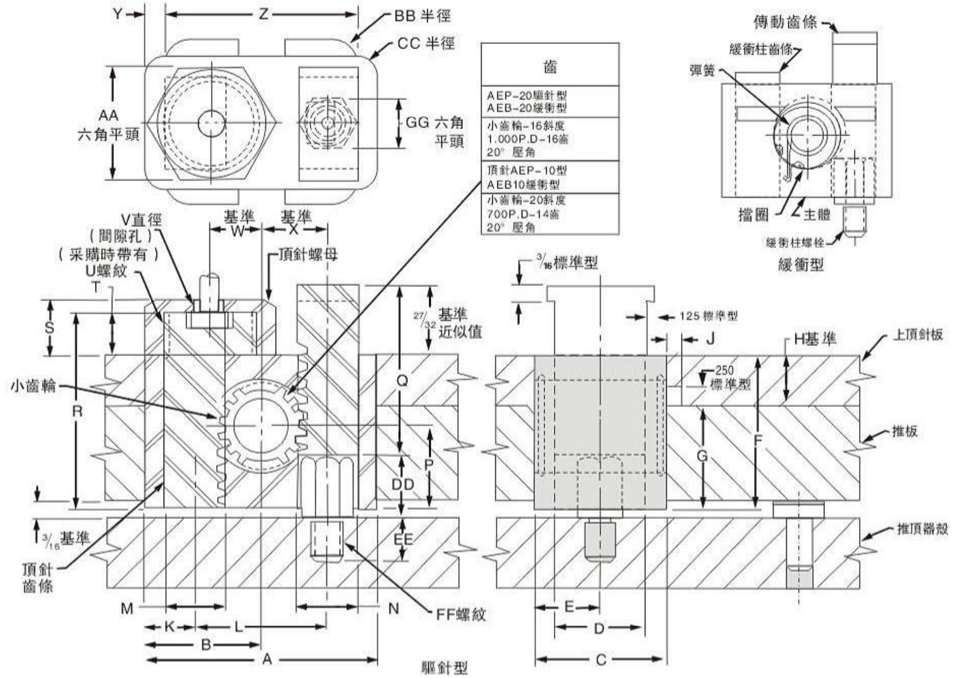
剖面A–A

加速頂出 AEP ACCELERATED EJECTOR

锦鸿 JH

- 所有裝置的最大行程爲5/8”
- 齒輪保持潤滑
- 不要利用彈簧反彈壓力
- Stroke for all units=5/8maximun
- kee pinion lubricaed
- Do not use with pooosing spring pressure



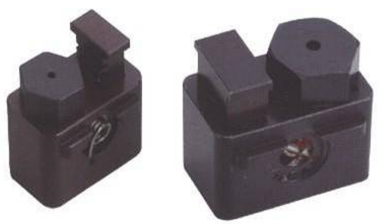


加速頂出器尺寸 Accelerated ejector dimensions

編號	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
AEP–10 驅針型	+.000 –.002	+.000 –.002	+.000 –.002	5/8	9/16	1.600	1.100	1/2	±0.002 .125	.510	1.1030	1/2	1/2	1.030	1.783
AEP–10 緩衝型	2.125	1.062	1.125												
AEP–20 驅針型	+.000 –.004	+.000 –.002	+.000 –.002	11/8	13/16	17/8	11/4	5/8	±0.002 .187	5/8	15/8	3/4	3/4	1.016	11/16
AEP–20 緩衝型	2.875	1.437	1.625												

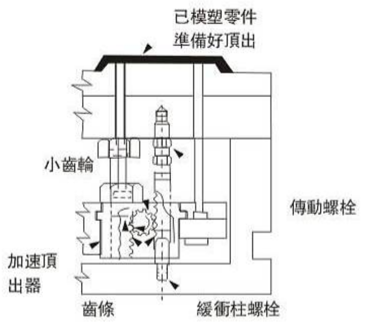
編號	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	單價¥ Unit price
AEP–10 驅針型	2.025	.550	.425	5/8–18	1/8	.491	.551	.250	1.625	15/16	1/4	1/4	3/4	3/8	5/16–18	3/8	
AEP–10 緩衝型	–	–	–	–	–	–				–							
AEP–20 驅針型	23/8	.680	1/2	11/8–12	1/4	5/8	13/16	.250	2.375	13/8	3/16	1/4	.72	1/2	3/8–16	9/16	
AEP–20 緩衝型	–	–	–	–	–	–				–							

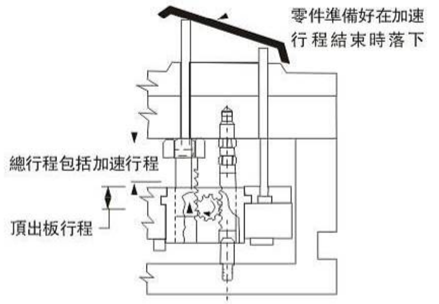
加速頂出 AEP TWO-STAGE EJECTRS

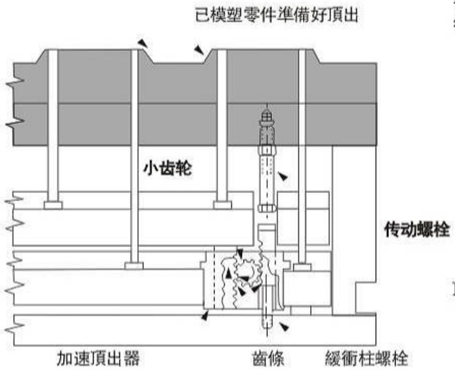


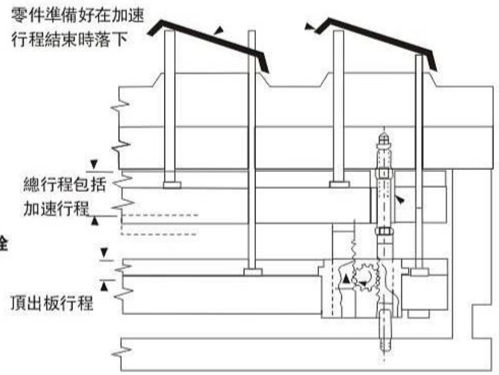
加速頂出器使用一個齒條一小齒輪結構，以提供多達5/8英寸的額外頂針行程。它們簡單的直綫移動可以用來增加頂針、頂針司筒或整個頂出器組件的速度和行程。這些裝置上的法蘭和圓角，使之安裝在頂出器組件裏非常容易。穿過齒條部分的長方形可以防止其旋轉。每個裝置還包括有一個緩衝柱螺栓。該螺栓保證齒條在頂出器組件完全返回時也能肯定地返回。

加速頂出器有各種尺寸規格(小的或通用的)以及兩種類型(驅針型和緩衝型)可以提供.驅針型裝置用于單獨的頂針加速(每個裝置一個頂針).緩衝型裝置用于一個具有雙頂出板組件的模具(該應用中最少使用四個裝置)的整個上頂出板組件的加速.



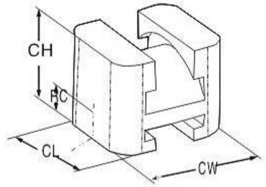






編號	説明	與板厚度一起使用		頂針直徑（最大）
		推板	上頂針板	
AEP-10	驅針型-小型	1英寸	1/2	1/4
AEP-20	驅針型-通用型	11/8	1/2或5/8	1/2
AEP-10	緩衝型-小型	1英寸	1/2	-
AEP-20	緩衝型-通用型	11/8	1/2或5/8	-

斜頂滑塊 ULC SLIDER CORE UNITS

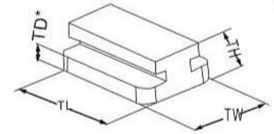


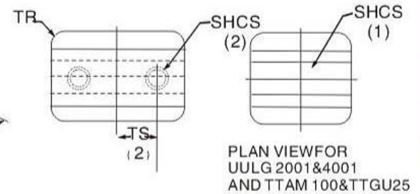
材質：H-13 表面硬度：60-70HRC
中心硬度：38-42RC

BAITO標準型號（英制）	尺寸						DME ULC系列	單價¥ Unit price
	CW	CL	CH	RC	R	SERIES		
BT522-2001	.500	.437	.625	.125	.250	.250	ULC-M50	
BT522-4001	.875	.75	.875	.187	.406	.500	ULC-U87	
BT522-8001	1.750	1.500	1.656	.125	.875	1.000	ULC-X175	

BAITO標準型號（公制）	尺寸						DME ULC系列	單價¥ Unit price
	CW	CL	CH	RC	R	SERIES		
BT522-1001	22.00	18.00	25.00	6.00	10	10	ULC-M22	

斜頂座 ULG
Sidie block



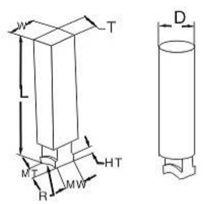


材質：4140 表面硬度：60-70HRC 中心硬度：38-42RC

BAITO標準型號（英制）	尺寸									DME ULG系列	單價¥ Unit price
	TS	TL +.000 -.010	TRAVEL ALLOWED	TW +.000 -.000	TH +.010 -.000	TD* +.010 -.000	TR	SHCS (INCLUDED)	SERLES		
BT524-2001	CL	.750	5/16	.500	.500	.344	.094	#10-32x1"	.250	ULG-M31	
BT524-2002	.500	1.500	1 1/6							ULG-M100	
BT524-4001	CL	1.000	1/4	.875	.468	.219	.188	1/4-20x3/4	.500	ULG-U25	
BT524-4002	.375	1.250	1/2							ULG-U50	
BT524-4003	.625	1.750	1"							ULG-U100	
BT524-4004	.750	2.250	1 1/2							ULG-U150	
BT524-8001	.625	2.000	1/2	1.750	.625	.250	.313	3/8-16x1 1/4	1.000	ULG-X50	
BT524-8002	.875	2.500	1"							ULG-X100	
BT524-8003	1.375	4.000	2 1/2							ULG-X250	

BAITO標準型號（公制）	尺寸									DME ULG系列	單價¥ Unit price
	TS	TL +.00 -.25	TRAVEL ALLOWED	TW +.000 -.001	TH +.25 -.00	TD* +.25 -.00	TR	SHCS	SERLES		
BT524-1001	10	33	15	22	13	6.00	5	M-5x20	10	ULG-M10	
BT524-1002	15	52	30							ULG-M30	

斜頂 ULB OBLIQUE PLATE



材質：H-13 硬度:38-42HRC

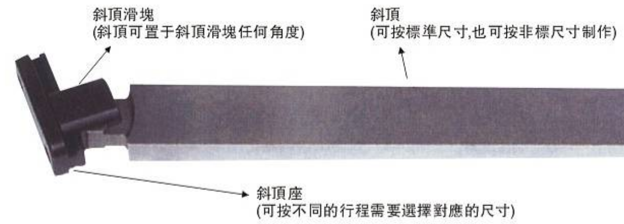
BAITO標準型號 扁形（英制）	尺寸							DME ULG系列
	T +.010 -.000	W +.010 +.000	L	MT MLN,THK	HT	R	SERIES (MM)	
BT526-2001	3/8	1/4	8"	.250	.156	.250	0.25	ULBVA-S37x25L8
BT526-2002	1/2			.312				ULBVA-S50x25L8
BT526-2003	3/4	3/8						ULBVA-S75x37L8
BT526-4001	1/2	1/2		.500	.187	.406	.500	ULBVA-S50x50L8
BT526-4002			14"					ULBVA-S50x50L14
BT526-4003		1"	8"					ULBVA-S50x100L8
BT526-4004			14"					ULBVA-S50x100L14
BT526-4005	1"	1/2	8"					ULBVA-S100x50L8
BT526-4006			14"					ULBVA-S100x50L14
BT526-4007	1 1/2		8"					ULBVA-S150x50L14
BT526-4008			14"					ULBVA-S150x50L14
BT526-4011	3/4	1 1/2	8"	.625				ULBVA-S75x150L8
BT526-4012			14"					ULBVA-S75x150L14
BT526-4013	1 1/2	3/4	8"					ULBVA-S150x75L8
BT526-4014			14"					ULBVA-S150x75L14
BT526-8001	1"	1 1/2	10"	1.000	.375	.875	1.000	ULBVA-S100x100L10
BT526-8002			18"					ULBVA-S100x100L18
BT526-8003		1"	10"					ULBVA-S100x150L10
BT526-8004			18"					ULBVA-S100x150L18
BT526-8005	1 1/2		10"					ULBVA-S150x100L10
BT526-8006			18"					ULBVA-S150x100L18

BAITO標準型號 扁形（公制）	尺寸							DME ULB系列
	T +.25 -.00	W +.25 -.00	L	MT MLN,THK	HT	R	SERIES (MW)	
BT526-1001	10	10	250	10	5	10	10	ULBVA-MM10x10L250
BT526-1002	15	15	250	15				ULBVA-MM15x15L250
BT526-1003	20	20	400	15				ULBVA-MM20x20L400

BAITO標準型號 圓形（英制）	尺寸						DME ULB系列
	D +.000 -.001	L	MT MLN,THK	HT	R	SERIES (MM)	
BT526-2101	7/16 Dia.	8"	.312	.156	.250	.250	ULBVA-S43DL8
BT526-4111	3/4 Dia.	8"	.500	.187	.406	.500	ULBVA-S75DL8
BT526-4112	3/4 Dia.	14"					ULBVA-S75DL14
BT526-4113	3/4Dia.	18"					ULBVA-S75DL18
BT526-8101	1 1/4 Dia.	10"	1.000	.375	.875	1.000	ULBVA-S125DL10
BT526-8102	1 1/4 Dia.	18"					ULBVA-S125DL18

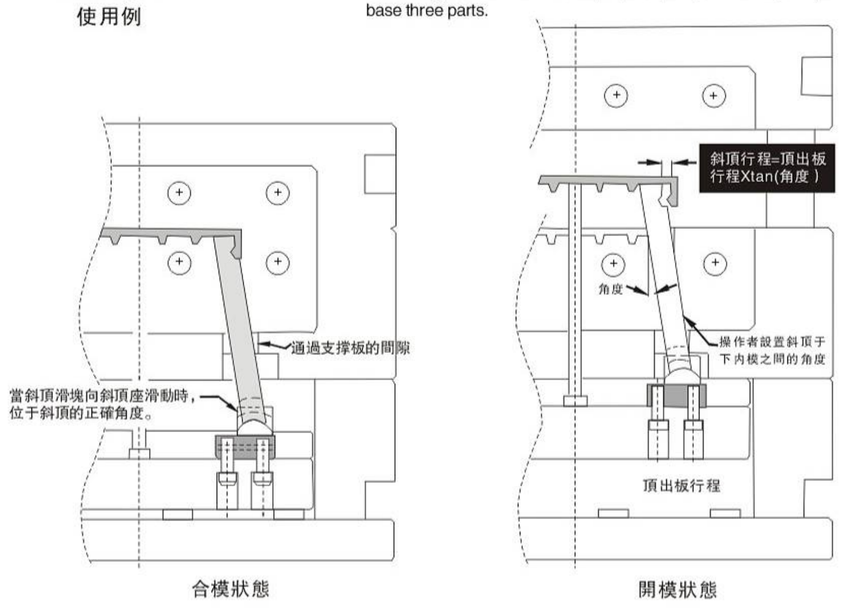
BAITO標準型號 圓形（公制）	尺寸						DME ULB系列
	D +.000 -.025	L	MT MLN,THK	HT	R	SERIES (MW)	
BT526-1101	15 Dia.	250	10	5	10	10	ULBVA-MM150DL250

斜頂裝置安裝圖 UNILIFTER INSTALLATION DRAWING



Example
使用例

注:每套斜頂裝置含:斜頂、斜頂滑塊、斜頂座三個零件
Note:every unilifter include:oblique plate,slide,slide block,oblique base three parts.



ApplicAITOn Guidelinges

1.TYpical angle is5–10° , though users report success at greater angles with guides installed.contact engineering forapplicaiton review.

2guided eiection is recommended,an if there is less than half of the core blade bearing in the insert, lifter guide plates should be added.

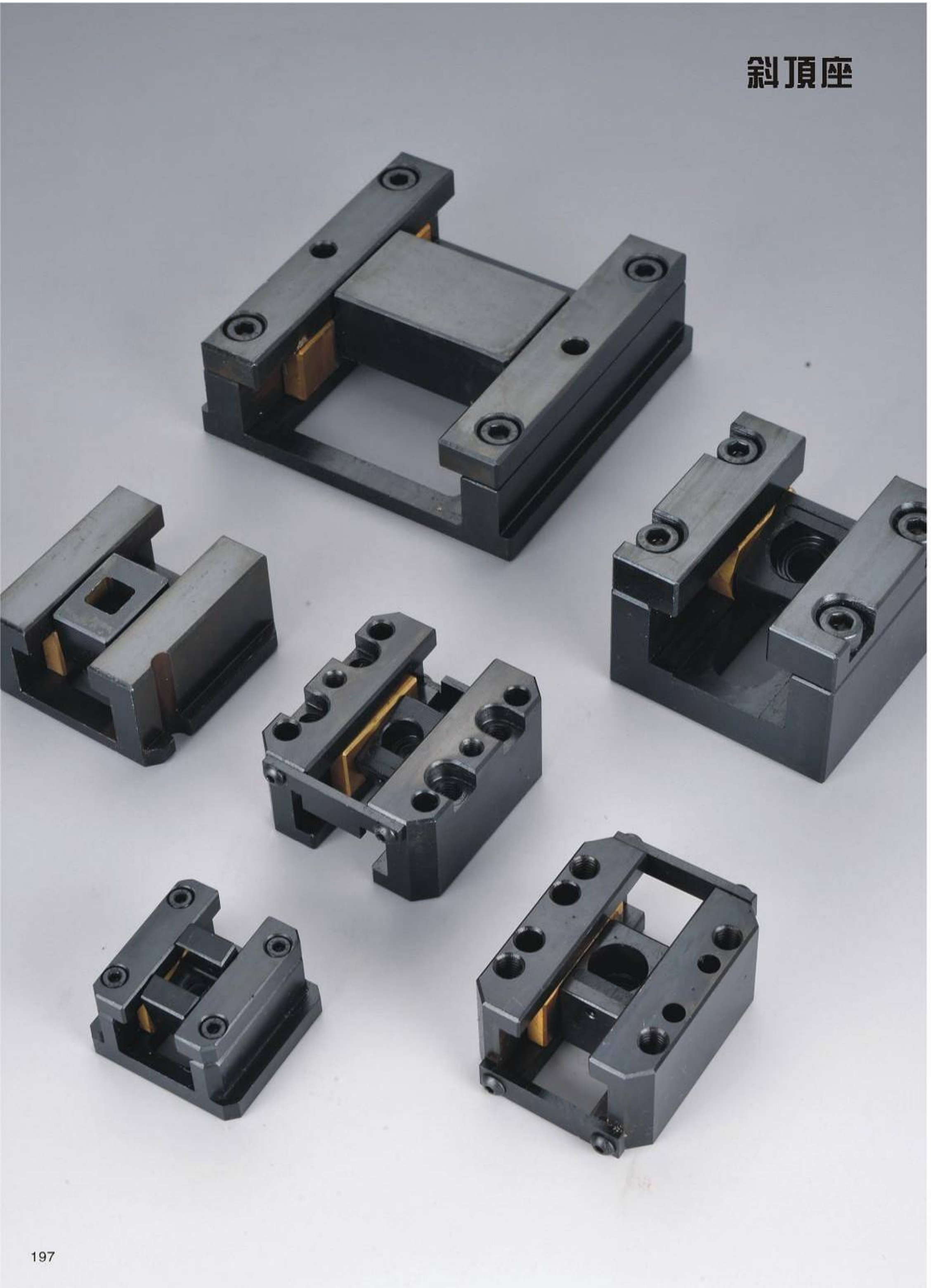
3.recommended clearance is.001"–.0015"(.025–.038mm)where permissible.

4.varify that thecore insert materisl is at lease10hrc sifferent than standard core blades,and for additional perfpormance,cansider coatings lr teratments for increased hardness of lubricity.

5.locking andles can be designed to accept molding pressure..

頂出系列 Ejector series

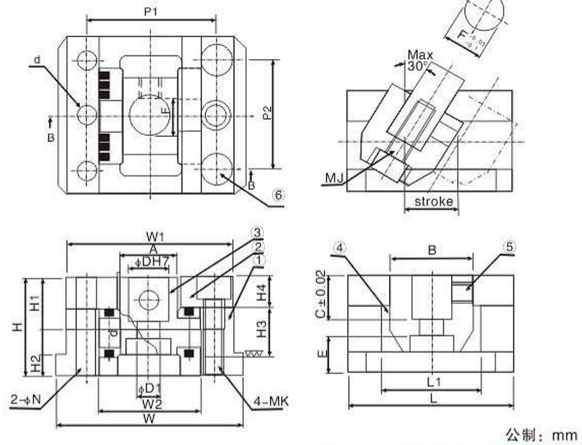
頂出系列 Ejector series



斜頂座

斜頂座 KOCUF

锦鸿 JH

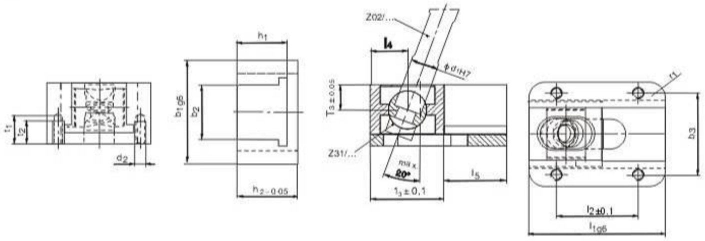


公制：mm

TYpe.NO	D	d	D1	A	B	C	E	F	MJ	H	H1	H2	H3	H4	L	L1	W	W1	W2	P1	P2	MK	ϕN	Stroke	單價
KOCUS-8	8	7	4.5	11	20	8	10	7	M4	22	12.5	5	11	7	32	20	33	30	19	24	20	M3	3	10	
KOCUS-10	10	7	5.5	15	25	10	12.5	9	M5	27	15.5	5	15	8	45	25	45	40	25	32	30	M4	4	18	
KOCUS-12	12	10	7	17	25	12	15	11	M6	32	18	7	16	10	50	30	57	51	31	39	35	M6	6	20	
KOCUS-16	16	12	9	22	30	16	15	14.5	M8	36	20	8	20	10	65	40	65	58	38	46	40	M6	6	25	
KOCUS-20	20	14	11	26	40	20	16	18	M10	42	23	11	22	12	80	50	80	72	44	56	55	M8	8	30	
KOCUS-25	25	16	14	32	45	25	17	22.5	M12	50	28	15	26	15	90	55	93	85	52	66	65	M10	10	35	
KOCUS-30	30	18	14	38	50	30	17	27	M12	55	30	15	30	15	100	60	101	93	60	74	70	M10	10	40	
KOCUS-35	35	20	14	45	60	35	18	32	M12	62	35	15	34	18	120	75	120	110	70	85	80	M12	10	45	
KOCUS-40	40	25	18	55	70	40	19	36	M16	70	40	15	44	18	135	85	130	120	80	95	90	M12	10	50	
KOCUS-45	45	30	18	60	80	45	24	40	M16	80	45	15	50	20	150	95	140	130	90	105	110	M12	10	55	

Order: Type No. x Pcs
KOCU-S-8 x 10

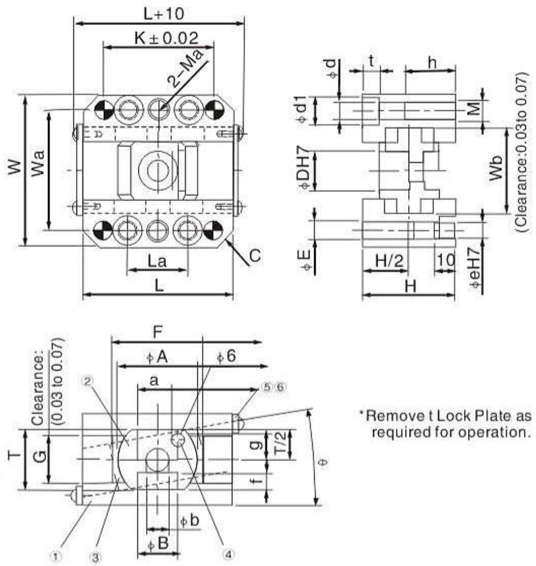
斜頂座 Z1811 SLIDER CORE UNITS



Nr.NO	r1	t3	t2	t1	l5	l4	l3	l2	l1	h2	h1	d2	b3	b2	b1	d1	單價¥ Unit price
Z1811/10	5	8.5	10	12	23	13.5	27	30	50	25	20	M5	32	20	40	10	
14	6	12.5	12	14	35	17.5	35	50	70	35	28	M6	39	25	48	14	

Order: Type No. x Pcs
Z1811/10 x 10

斜頂座 KOCUF SLIDER CORE UNITS



*Remove t Lock Plate as required for operation.

● Table of Components

No	Description	Qty	Material and Remark
①	Guide Rail	2	S45C (I C45 A 1045)
②	Inclined pin Holder	1	S45C (I C45 A 1045)
③	Slide Plate	2	Bronze with Graphite
④	Loosening Lock	1	SK5M
⑤	Lock Plate	2	Ss400 (A A36-89d,283-88)
⑥	Rlund Head Screw	4	SCM435 (I 34CrMo4 A 4137)

D	W	Wa	L	La	K	Ma	C	H	e	E	d	d1	t	h	M	Wb
8	41	33	44	12	25	M4	3	24	4	5	3.4	6	3.4	10	M4	24
10	47	38	50	16	30	M5	3	28	5	5.5	4.5	8	5	15	M5	28
12	53	42	60	20	40	M8	4	36	6	7	6.6	11	4.8	20	M8	31
16	64	50	70	25	50	M8	6	40	6	6.6	6.6	11	6.5	20	M8	36
20	76	60	75	30	55	M10	8	46	8	9	8.6	14	8.5	25	M10	43
25	81	65	85	40	65	M0	8	48	8	9	8.6	14	8.5	25	M10	48
30	88	72	100	50	80	M10	8	54	8	9	8.6	14	8.5	25	M10	55
35	100	80	115	50	85	M12	8	60	10	11	11	18	6.5	30	M12	64
40	108	88	125	50	85	M12	8	65	10	11	11	18	7	30	M12	72

D	A	a	B	b	g	F	f	G	T	0度單價	指定斜度	單價¥ Unit price
8	20	7.5	10	5	6.5	25	5	13	16	500.00	1~5°	
10	20	8.5	12	6	6.5	32	4	17	16	530.00		
12	25	10	13	7	8.5	40	5	20	20	550.00		
16	30	13	16	9	10	45	6	24	24	630.00	1~5°	
20	40	17	20	11	13	45	8	24	30	700.00		
25	45	22	25	14	14	50	9.5	26	35	860.00		
30	50	27	25	14	15	60	9	30	38	960.00	1~5°	
35	55	31	25	14	15	70	10	34	40	1230.00		
40	60	36	32	18	16	80	11.5	38	43	1400.00	1~5°	

Order: Type No. — d x Pcs

頂出系列 Ejector series

斜楔用無給油滑塊組件(調整型) GASA

锦鸿 JH

OIL-FREE SLIDE UNITS FOR LOOSE CORE

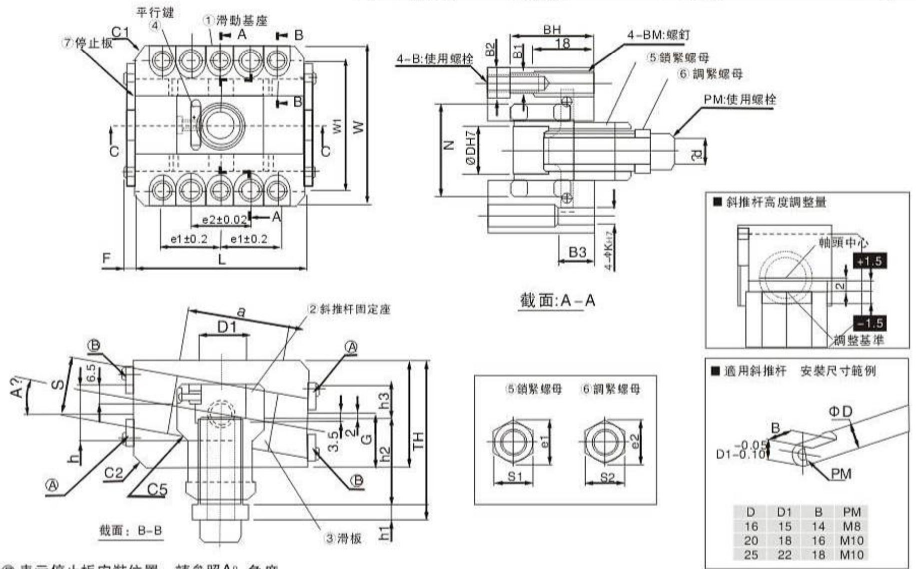
特性：

1、有自行準綫校正功能，凹割斜銷組件的配置，配合著具旋轉功能的斜銷做各不同凹割角度之校隊。

2、有滑面增進其耐磨性，使用無給油在滑板中，具防磨及防粘膠性。

3、有系列的堅固性，水平角度回轉，斜銷全長不需調整，全系列具其堅固性。

Iten	構成零件	Parts Name	Material	Quantity
1	滑動基座	Slide Base	S50C	2
2	斜推杆固定座	Inclined pinHolder	SCM440	1
3	滑板	Slide Plate	*CAC304+固體潤滑劑	2
4	平行鍵	Key	S45C	1
5	鎖緊螺母	Lock Nut	S45C	1
6	調整螺母	Adjust Rod	S45C	1
7	停止板	Stopper	SS400	2



D	D1	B	PM
16	15	14	M8
20	18	16	M10
25	22	18	M10

1、ⒶⒷ 表示停止板安裝位置，請參照A° 角度

2、可根據成形產品的凹凸形狀來選擇滑板的安裝角度

公制：mm

Catalog No. Type	D	滑板安裝角度 A°	①滑板基座 W	L	H	C1	C2	②斜推杆固定座 D1	d	h	h1	h2	h3	N	③滑板 S	a	TH	G	F	單價 A° 0°	1°,3°,5°
GASA	12	0	56	55	35	5	–	11	5.5	16	6	33	10	30	20	35	58.5	17.5	4.65		
	16	1	60	65	36	6	–	15	9	18	6	33	11	33	20	40	59	18	4.65		
	20	3	68	70	43	6	5	22	11	22	6	36	13	38	24	40	65.5	21.5	4.65		
	25	5	75	80	45	6	5	18	11	26	6	39	15	45	26	45	69.5	22.5	4.65		
	30		81	95	54	6	5	27.5	11	30	6	41	17	55	30	55	76	27	4.65		
	35		98	110	60	6	5	32.5	13	36	6	50	20	60	34	70	88	30	5.2		
	40		105	120	64	6	5	37.5	13	40	6	52	22	67	38	80	92	32	5.2		

Catalog No. Type	D	安裝孔尺寸 l1	l2	W1	B1	B2	B3	B	BM	BH	K	⑤鎖緊螺母 S1	e1	⑥調整螺母 S2	e2	斜推杆安裝尺寸 h4	PM	停卡板安裝位置 Ⓐ	Ⓑ
GASA	12	42	21	45	6.6	11	15	M6	M8	28.5	6	17	19.6	12	13.9	13	M5	1°1°3°5°	-
	16	46	25	48	6.6	11		M6	M8	29.5	6	21	24.2	16	18.5	14	M8	0°1°3°5°	-
	20	50	25	55	8.6	13.5		M8	M10	34.5	8	24	27.7	19	21.9	16	M10	5°	0° 1°
	25	60	35	62	8.6	13.5		M8	M10	36.5	8	24	27.7	19	21.9	18	M10	5°	0° 1
	30	75	50	68	8.6	13.5	20	M8	M10	45.5	8	24	27.7	19	21.9	20	M10	0°1°3°5	-
	35	85	50	81	10.6	16.5		M10	M12	49.5	10	27	31.2	21	24.2	23	M12		
	40	95	60	88	10.6	16.5		M10	M12	53.5	10	27	31.2	21	24.2	25	M12		

Order: Type No. — D x Pcs
GASA – 12 x 10

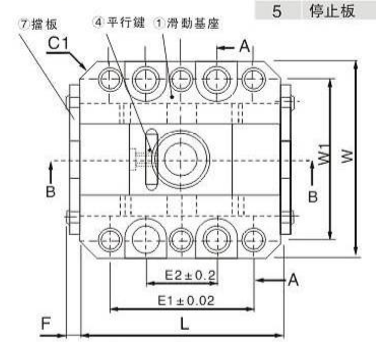
頂出系列 Ejector series

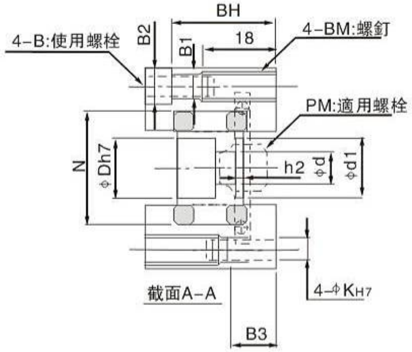
斜楔用無給油滑塊組件 GASN

OIL-FREE SLIDE UNITS FPR LOOSE CORE

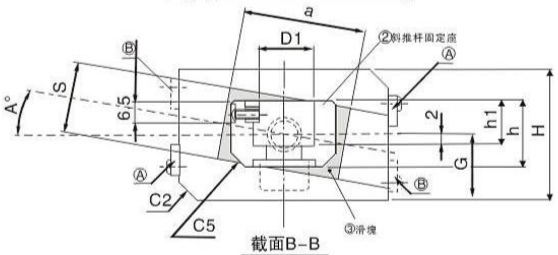
特性：
1、將包含有下旋切削之模仁(斜楔)傾斜壓出時，可以讓斜推杆順暢移動的無給油滑塊組件。
2、斜推杆固座在㊀範圍內移動，藉由自動調軸心的功能減少導軌和滑板之磨損、耗損。

Iten	構成零件	Parts Name	Material	Quantity
1	滑動基座	Slide Base	S50C	2
2	斜推杆固定座	Inclined pin holder	SCM440	1
3	滑板	Slide Plate	*CAC304+固體潤滑劑	2
4	平行建	Key	S45C	1
5	停止板	Stopper	SS400	2



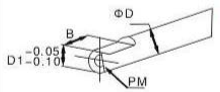


截面A-A



截面B-B

□適用斜推杆　安裝尺寸範例



D	D1	B	PM
12	11	13	M5
16	15	14	M8
20	18	16	M10
25	22	18	M10
30	27.5	20	M10

1、ⒶⒷ表示停止板安裝的位置，請參照A° 角度
2、可根據成形產品的凹凸形狀來選擇滑板的安裝角度

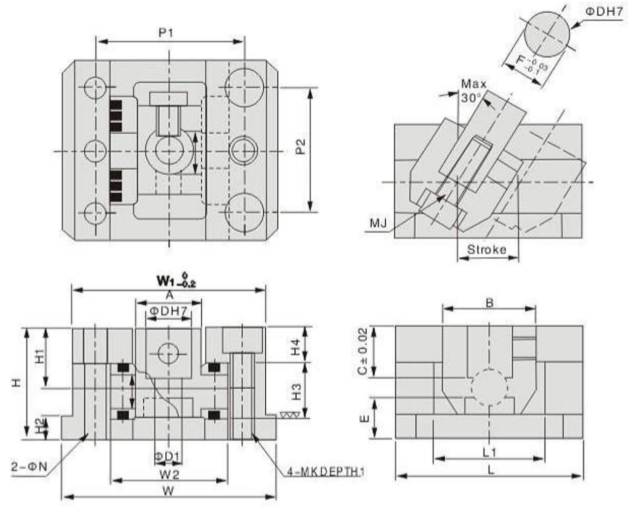
Catalog No.		滑板安裝角度	1 滑板基座					2 斜推杆固定座							3 滑板		TH	G	F	單價	
																				A°	
Type	D	A°	W	L	H	C1	C2	D1	d	h	h1	h2	h3	N	S	a				0°	1°,3°,5°
GASN	12	0 1 3 5	56	55	35	5	–	11	5.5	16	6	33	10	30	20	35	58.5	17.5	4.65		
	16		60	65	36	6	–	15	9	18	6	33	11	33	20	40	59	18	4.65		
	20		68	70	43	6	5	18	11	22	6	36	13	38	24	40	65.5	21.5	4.65		
	25		75	80	45	6	5	22	11	26	6	39	15	45	26	45	69.5	22.5	4.65		
	30		81	95	54	6	5	27.5	11	30	6	41	17	55	30	55	76	27	4.65		
	35		98	110	60	6	5	32.5	13	36	6	50	20	60	34	70	88	30	5.2		
	40		105	120	64	6	5	37.5	13	40	6	52	22	67	38	80	92	32	5.2		

Catalog No.		安裝孔尺寸										斜推杆安裝尺寸		停卡板安裝位置	
Type	D	I1	I2	W1	B1	B2	B3	B	BM	BH	K	h4	PM	A	B
GASN	12	42	21	45	6.6	11	15	M6	M8	28.5	6	13	M5	1°1°3°5°	-
	16	46	25	48	6.6	11		M6	M8	29.5	6	14	M8	0°1°3°5°	-
	20	50	25	55	8.6	13.5		M8	M10	34.5	8	16	M10	5°	0° 1°
	25	60	35	62	8.6	13.5	20	M8	M10	36.5	8	18	M10	5°	0° 1
	30	75	50	68	8.6	13.5		M8	M10	45.5	8	20	M10	0°1°3°5	-
	35	85	50	81	10.6	16.5		M10	M12	49.5	10	23	M12		
	40	95	60	88	10.6	16.5		M10	M12	53.5	10	25	M12		

Order: Type No. — D x Pcs
GASN -12 x 10

模架斜頂座 OILLESS INCLINED EJECTOR CORE UNIT

锦鸿 JH

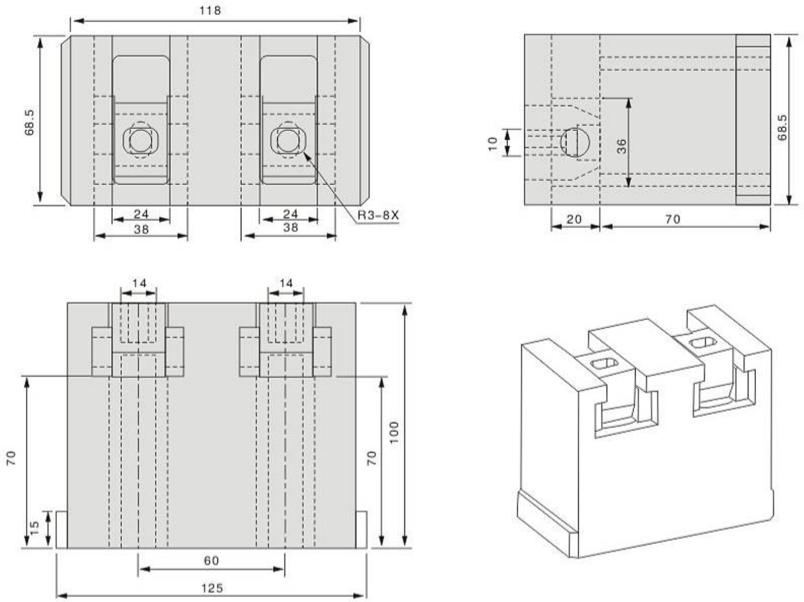


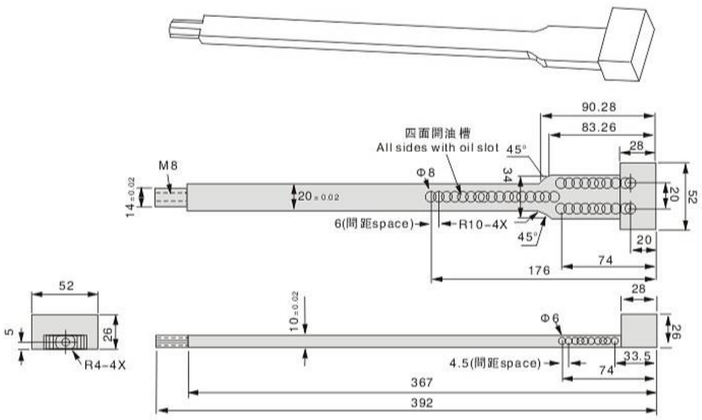
Catalog No.		d	D1	A	B	C	E	F	G	MJ	H	H1	H2	H3	H4	H5	L	L1	L2	W	W1	W2	P1	P2	MK	I	N	ST
Type	D																											
JH136	8	7	4.5	11	20	8	10	7	8	M4	22	12.5	5	11	7	10.5	32	20	3.6	33	30	19	24	20	M3	9.5	3	10
	10	7	5.5	15	25	10	12.5	9	9	M5	27	13	5	15	8	11.3	45	25	4.5	45	40	25	32	30	M4	14	4	18
	12	10	7	17	25	12	15	11	10	M6	32	18	7	16	10	4	50	30	8	57	51	31	39	35	M6	14	6	20
	16	12	9	22	30	16	15	14.5	12	M8	36	20	8	20	10	5	65	40	8	65	58	38	46	40	M6	16	6	25
	20	14	11	26	40	20	16	18	16	M10	42	23	11	22	12	8	80	50	8	80	72	44	56	55	M8	19	8	30
	25	16	14	32	45	25	17	22.5	20	M12	50	28	15	26	15	8	90	55	12	93	85	52	66	65	M10	22	10	35
	30	18	14	38	50	30	17	27	25	M12	55	30	15	30	15	9	100	60	12	101	93	60	74	70	M10	25	10	40
	35	20	14	45	60	35	18	32	30	M12	62	35	15	34	18	10	120	75	8	120	110	70	85	80	M12	27	10	45
	40	25	18	55	70	40	19	36	35	M16	70	40	15	44	18	12	135	85	8	130	120	80	95	90	M12	30	10	50
	45	30	18	60	80	45	24	40	40	M16	80	45	15	50	20	14	150	95	10	140	130	90	105	110	M12	35	10	55

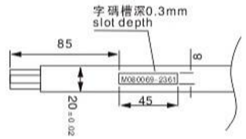
●Order：Catalog No. D

斜頂杆

非標斜頂





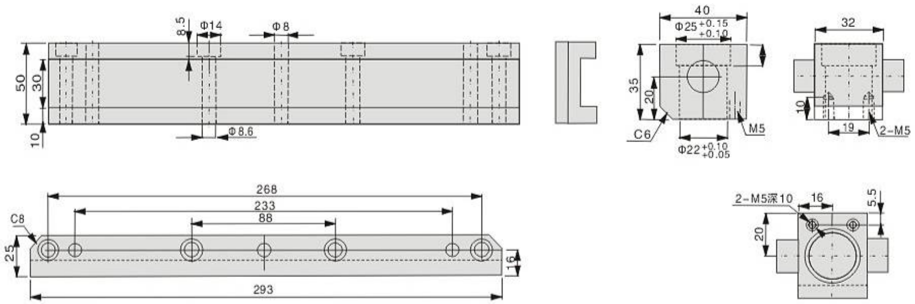


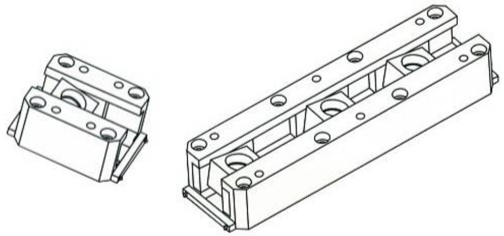
技術要求：
1、整體硬度HRC46-48;
2、油槽寬0.4mm深0.4mm;
3、斜頂材料H13。

Technic Request
1、General hardness：HRC46-48;
2、Oil slot width：0.4mm;
3、Material：H13。

非標斜頂(模架) NON-STANDARD INCLINED EJECTOR CORE UNIT

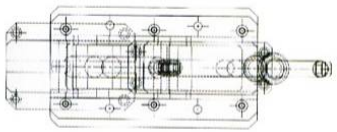
塑膠模用 Plastic mold accessories





注：1、未注公差均用盤起工業的標準公差。
2、保證滑座行程不小于45mm

Remark：1、Not morked tolerance refer to PUNCH Industry standard tolerance.
2、Ensure glide stroke more than 45mm.

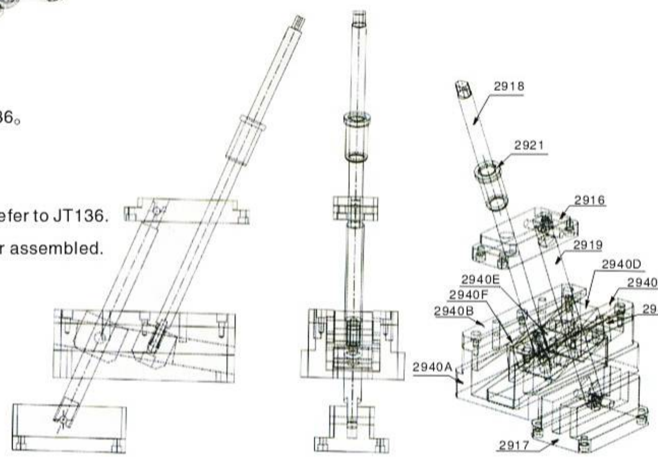


技術要求：

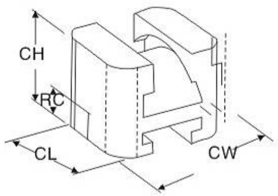
1、此斜頂座參照錦鴻標準JH136。
2、裝配後保護滑動順暢。

Technic Request

1、This Inclined Ejector Unit refer to JT136.
2、Ensure glide smoothly after assembled.



斜頂滑塊 SLIDE BLOCK



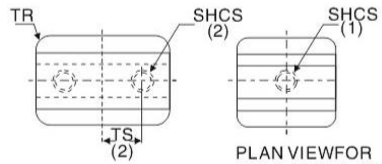
Material M材質	Surface Hardness 表面硬度	Center Hardness 中心硬度
H-13	HRC60°-70°	RC38°-42°

Inch

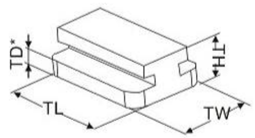
Type	尺寸/dimention					
	CW	CL	CH	RC	R	SERIES
JHN50-01	.500	.437	.625	.125	.250	.250
JHN50-02	.875	.75	.875	.187	.406	.500
JHN50-03	1.750	1.500	1.656	.125	.875	1.000

mm

Type	尺寸/dimention					
	CW	CL	CH	RC	R	SERIES
JHN50-04	22.00	18.00	25.00	6.00	10	10



PLAN VIEWFOR
UULG 2001 & 4001
AND TTAM 100& TTGU25



Material M材質	Surface Hardness 表面硬度	Center Hardness 中心硬度
H-13	HRC60°-70°	RC38°-42°

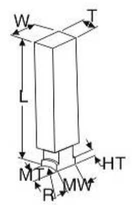
Inch

Type	尺寸/dimention								
	CW	TL +.000 .010	TRAVEL ALLOWED	TW +.000 -.001	TH +.010 -.000	TD* +.010 -.000	TR	SHCS (INCLUDED)	SERIES
JHN51-2001	CL	.750	5/16	.500	.500	.344	.094	#10-32×1"	.250
JHN51-2002	.500	1.500	1,/6						
JHN51-4001	CL	1.000	1/ 4	.875	.468	.219	.188	1/4-20×3/4	.500
JHN51-4002	.375	1.250	1/ 2						
JHN51-4003	.625	1.750	1"						
JHN51-4004	.750	2.250	1 1/2						
JHN51-8001	.625	2.000	1/ 2	1.750	.625	.250	.313	3/8-16×1 1/4	1.000
JHN51-8002	.875	2.500	1"						
JHN51-8003	1.375	4.000	2 1/2						

mm

OME/O標準 Type	尺寸/dimention								
	CW	TL +.00 -.25	TRAVEL ALLOWED	TW +.000 -.001	TH +.25 -.00	TD* +.25 -.00	TR	SHCS (INCLUDED)	SERIES
JHN51-1001	10	33	15	22	13	6.00	5	M-5×20	10
JHN51-1002	15	52	30						

斜頂 OBLIQUE PLATE



Material M材質	Hardness 硬度
H-13	HRC38° ~42°

Inch

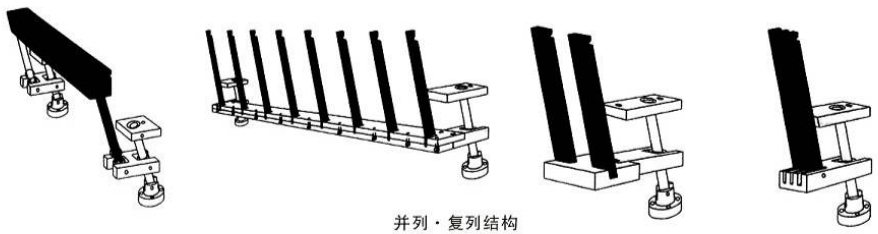
Type	尺寸/dimention						
	T +.010 -.000	W +.010 -.000	L	MT MIN.THK	HT	R	SERIES (MW)
JHN52-2001	3/8	1/ 4	8"	.250	.156	.250	0.25
JHN52-2002	1/ 2			.312			
JHN52-2003	3/ 4	3/8					
JHN52-4001	1/ 2	1/ 2		.500	.187	.406	.500
JHN52-4002			14"				
JHN52-4003		1"	8"				
JHN52-4004			14"				
JHN52-4005	1"	1/ 2	8"				
JHN52-4006			14"				
JHN52-4007	1 1/2		8"				
JHN52-4008			14"				
JHN52-4011	3/ 4	1 1/2	8"	.625			
JHN52-4012			14"				
JHN52-4013	1 1/2	3/ 4	8"				
JHN52-4014			14"				
JHN52-8001	1"	1 1/2	10"	1.000	.375	.875	1.000
JHN52-8002			18"				
JHN52-8003		1"	10"				
JHN52-8004			18"				
JHN52-8005	1 1/2		10"				
JHN52-8006			18"				

Type	尺寸/dimention						
	T +.25 -.00	W +.25 -.00	L	MT MIN.THK	HT	R	SERIES (MW)
JHN52-1001	10	10	250	10	5	10	10
JHN52-1002	15	15	250	15			
JHN52-1003	20	20	400	20			

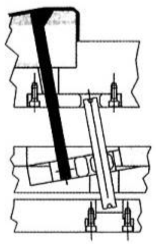
Type	尺寸/dimention					
	D +.000 -.001	L	MT MIN.THK	HT	R	SERIES (MW)
JHN52-2101	7/16Dia.	8"	.312	.156	.250	.250
JHN52-4111	3/4Dia.	8"	.500	.187	.406	.500
JHN52-4112	3/4Dia.	14"				
JHN52-4113	3/4Dia.	18"				
JHN52-8101	1 1/4Dia.	10"	1.000	.375	.875	1.000
JHN52-8102	1 1/4Dia.	18"				

Type	尺寸/dimention					
	D +.000 -.025	L	MT MIN.THK	HT	R	SERIES (MW)
JHN52-1101	15Dia.	250	10	5	10	10

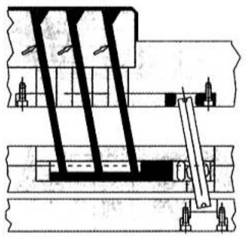
广泛应用于小型精密及超重量级模具，可进行组合以满足多种模具要求。
Apply widely to minitype precision mold and super weight mold,they can becombined to meet the needs of kinds of mold.



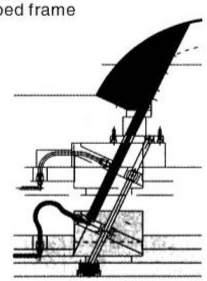
并列・复列结构
Parataxis overlaped frame



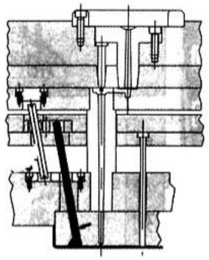
倾斜面滑动
incline face slide



直列、复连结构
Vertical.Overlaped frame

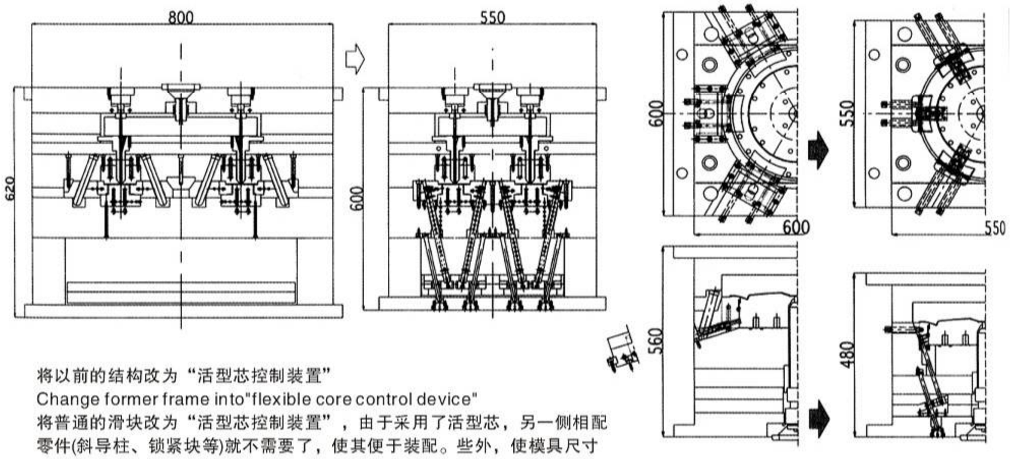


调温连接
Temperature adjust joint



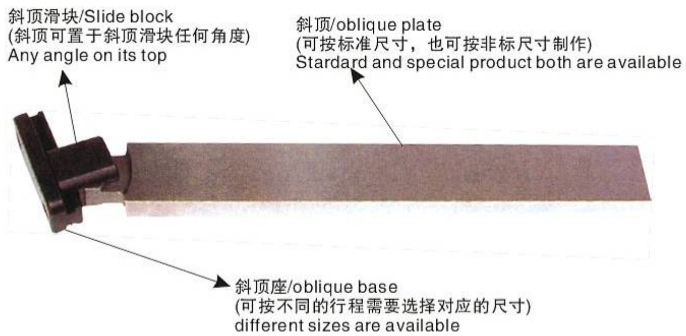
后浇口方式
Back sprue type

滑块改为活型芯控制装置slide block change into flexible core control device.



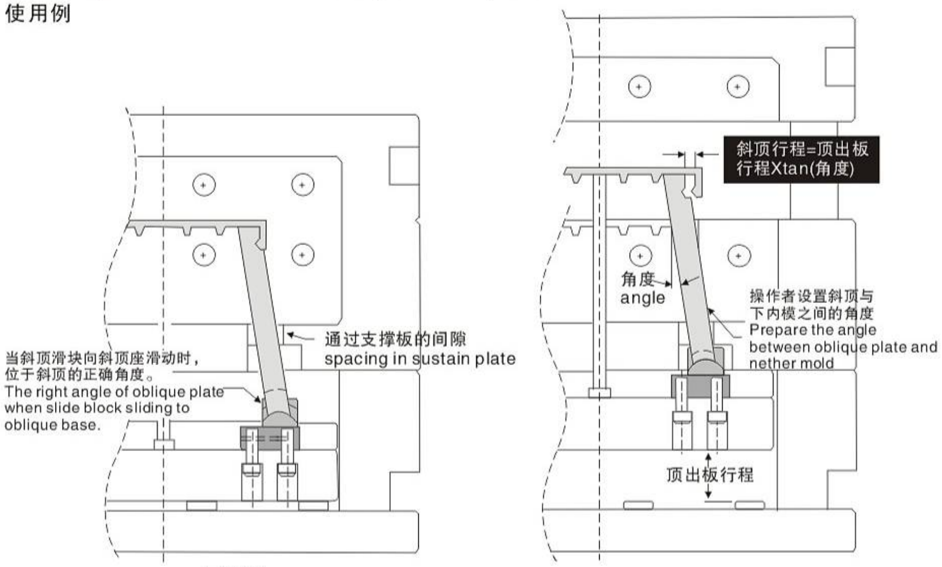
将以前的结构改为“活型芯控制装置”
Change former frame into"flexible core control device"
将普通的滑块改为“活型芯控制装置”，由于采用了活型芯，另一侧相配零件(斜导柱、锁紧块等)就不需要了，使其便于装配。些外，使模具尺寸减小，动作安全平稳，因而可实现高速循环成形作业。
Change the common slide block into"flexible core control device" as adoped flexible core,another side's matched components(guide post,locking blocks and so on)were no need anymore,to let it easy in stalled.Besides.It reduce the size of mold,but safe and smooth,so it can realise high speed cycle molding.

滑块改为“活型芯控制装置”



注：每套斜顶装置含：斜顶、斜顶滑块、斜顶座三个零件
Note：Every unilifter include:oblique plate.slide block. Oblique base three parts.

Example
使用例



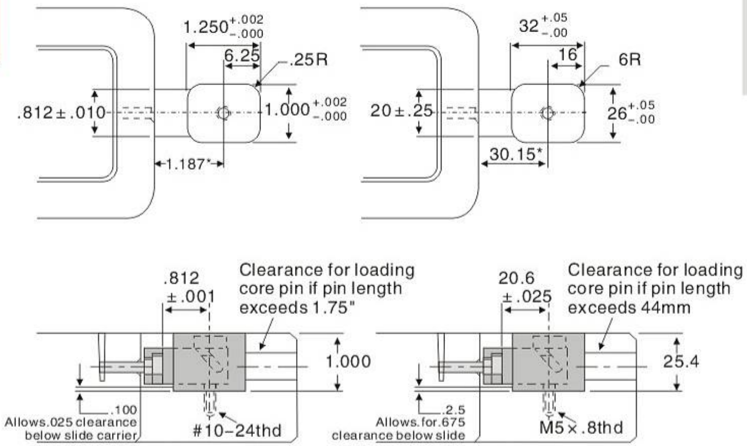
合模状态
Closing condition

开模状态
open condition

Application Guidelines:

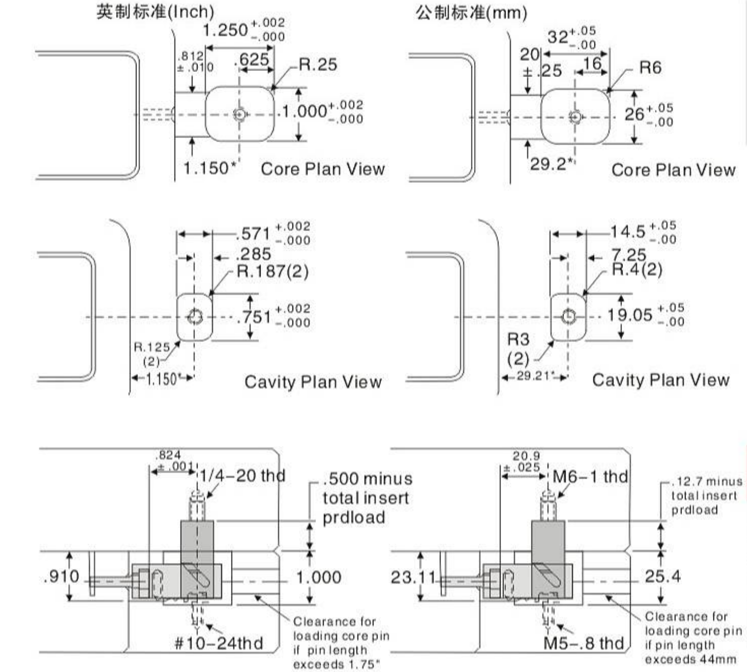
1. Typical angle is 5-10° , though users report success at greater angles with guides installed.Contact Engineering for application review.
2. Guided Ejection is recommended,and if there is less than half of the Core Blade bearing in the insert,lifter guide plates should be added.
3. Recommended clearanceis.001"-.0015"(.025-038mm)where permissible.
4. Verify that thecore insert material is at least 10 HRC different than standard Core Blades,and for additional performance, consider coatings or treatments for increased hardness of lubricity.
5. locking angle can be designed to accept molding pressure.

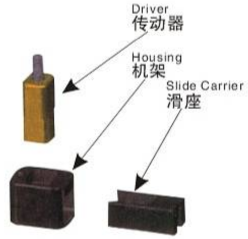
100系列斜頂裝置/100 series unilifter



Type
JHN53-100 (英制/Inch)
JHN53-M-100(公制/mm)

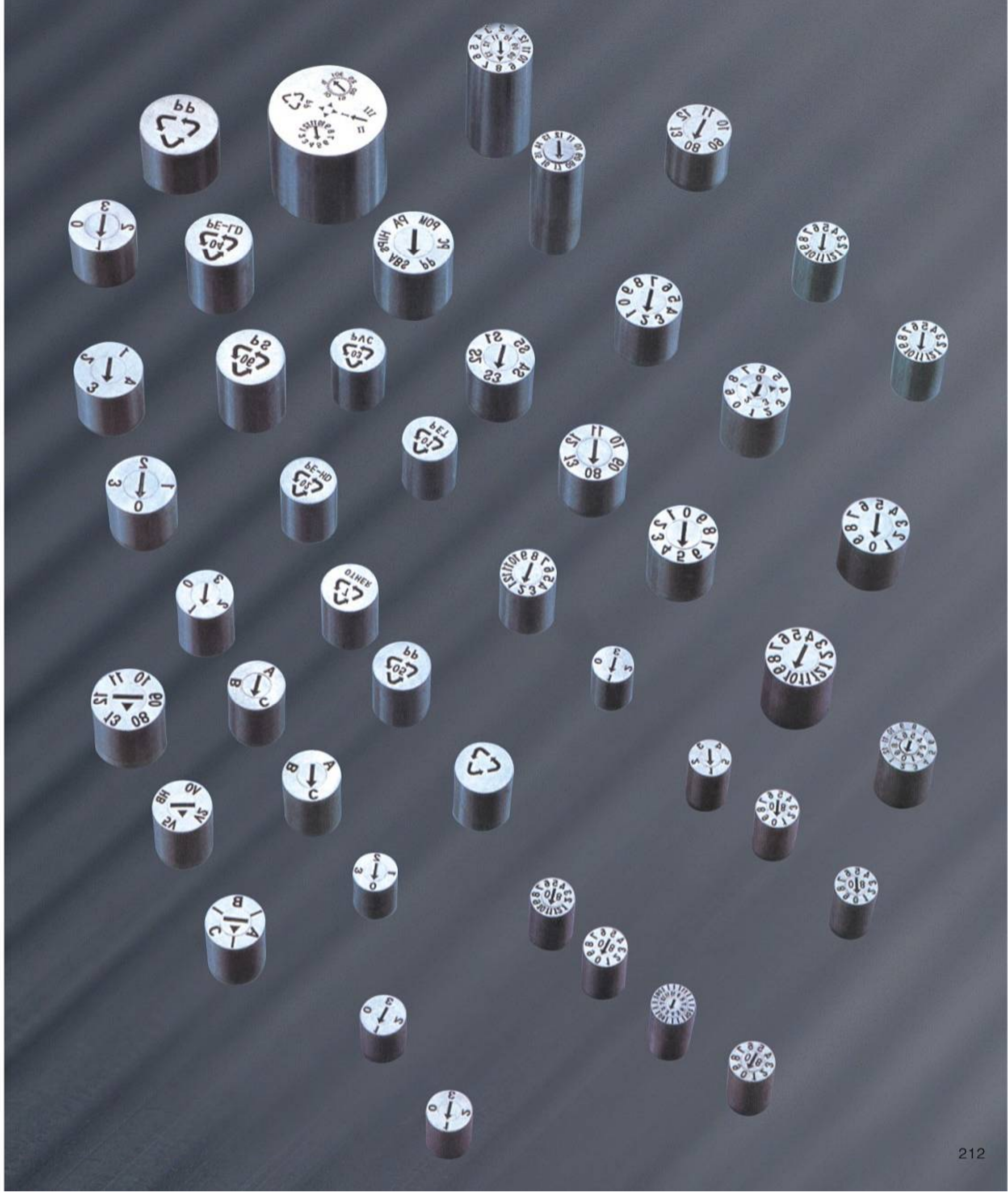
200系列斜頂裝置/200 series unilifter

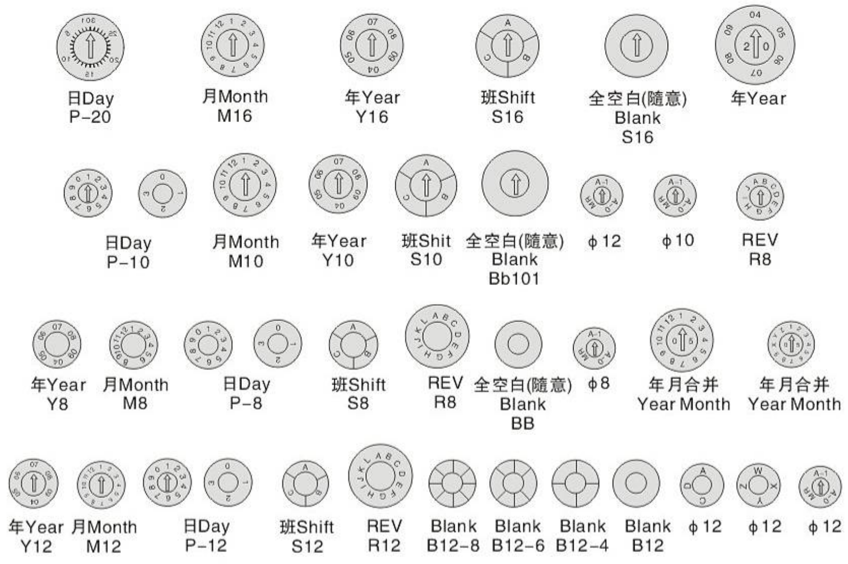




Type	
JHN53-200	(英制标准型传动器) Inch U.K stardard driver
JHN53-200L	(英制长型传动器) Inch long type driver
JHN53M-200	(公制标准型传动器) Metric U.K stardard driver
JHN53M-200L	(公制长型传动器) Metric long type driver

日期章系列
date stamp series

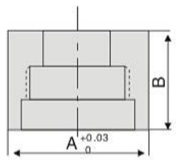


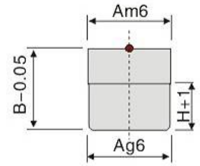


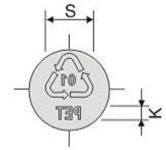
Catalog No. Type	規格 Size	20	16	12	10	8	6	5	4
JH067	A	ϕ20	ϕ16	ϕ12	ϕ10	ϕ8	ϕ6	ϕ5	ϕ4
	B	14±0.03	14±0.03	12±0.03	10±0.03	10±0.03	8/10±0.03	8±0.03	8±0.03
單價 RMB		120	120	80	80	80	100	120	150

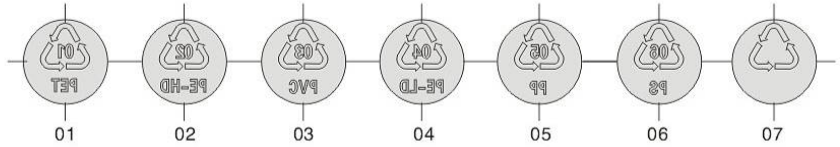
●Order：Catalog No. A × 年度指示

備注：1.圖面以外之特殊規格可定制。
2.依客户來圖報價。
Remark:1.Special product is available.
2.The price is per the provided drawing.









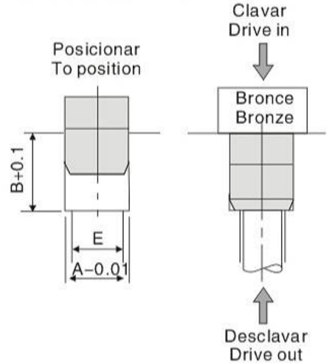
Catalog No. Type	A	B	E	H	K	S	單價 RMB
JH068	10	12	8	7	1.6	5.6	
	12	12	10	7	2	6.8	
	16	16	12	9	2.6	9	
	20	16	16	9	3.2	11.5	

環保章：各式環保說明章與標志可載入生產年份等記錄。

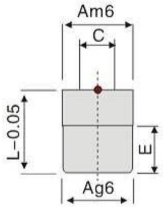
Reference Insert：All type of indicators for the recycling of plasticparts.They are assembled from the front of the mold.

備注：1.圖面以外之特殊規格可定制　Remark:1.Special product is available.
2.依客户來圖報價　2.The price is per the provided drawing.

●訂購方法：代號 A × B
●Order:Catalog No. A × B



可更換式日期章 REPLACABLE DATE MARKED PINS



Material 材質	Hardness 硬度	可耐溫
S136	HRC48°~50°	500°

Catalog No. Type	A	C	E	L	單價 RMB	單位 mm
JH069	6	3.0	4	10		$10.0^{0}_{-0.02}$
	8	4.0	6	10		$10.0^{0}_{-0.02}$
	10	5.0	8	10		$10.0^{0}_{-0.02}$
	12	6.0	10	12		$12.0^{0}_{-0.02}$
	16	8.0	12	14		$16.0^{0}_{-0.02}$

可更換日期章组件特点:

1.用于表示塑料成型件的制造日期。
2.尺寸規格有 6–16六種。
3.可永久使用，僅需要更換年度內鑲件。字體清晰、持久耐用。
4.不需要拆卸模具。不會影響生産進度。
如果需要更換鑲件順時針旋轉，聽到：“卡嗒”聲音，即完成。

日期章:

可永久使用僅需要更換中心的鑲件。字體清晰，持久耐用。

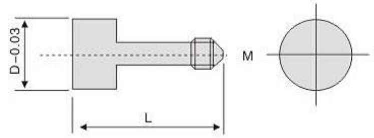
Date stamp:

This is a permanent date stamp where only the central year insert is changed.The month is changed by using a screwdrver Completely stainless.
選購時，請注明欲標示的年份。
When ordering"ANNUAL"model,please indicate the year required on the insert.
When ordering"YEARS"model,please indicate the start/base year.
特殊尺寸，歡迎洽詢A
Special engravingsavaillable on request
●Order：Catalog No.

Characteristic:

1.Use for denote the date in plasticmolding product
2.6 model of specification:From 6 to 16.
3.Could be used permanence with clear characters, just need replace the enchased components.
4.No need for disassemble the mold,have no influence on produce plan.If need replace date component please rotate it towards hour hand.

日期章年度內鑲件 ENCHASED DATE MARKED PINS COMPONENTS



Material 材質	Hardness 硬度
S136	HRC48°~50°

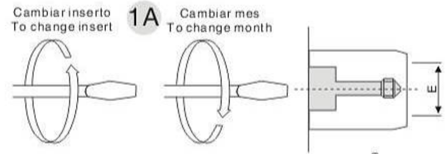
Catalog No. Type	D	L	M
JH070	3.1	8.0	M1.6
	4.4	10.0	M2.3
	5.2	12.0	M2.5
	6.2	14.0	M3
	8.2	14.0	M4

備注：1.圖面以外之特殊規格可定制。
Remark：1.Special product is available.

日期章鑲件： 此鑲件可調整更換，不需要拆卸。不會影響生産進度。
Dsfe Insert:
Due to fact that the insert is adujstable/removable from the front of the mold,there is no need to remove the tool from the machineor disasemble the mold.
●Order：Catalog No.D×L 選購時，請注明欲標示的年份。

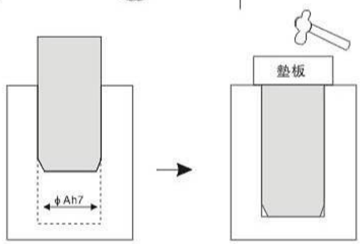
注意事項Notice:

如果需要更換鑲件。用螺絲起子將新的鑲件順時針旋入，聽到“卡嗒”聲音，即完成。
If need replase the date component,use a tool to rotate the new component in.



向模具裝入方法 Install method:

1.安裝時，請用(中空)銅類、軟質物體輕敲壓入。
2.要確認安裝孔徑大小、孔徑深度是否正確。
3.中心偷孔不能超過蓋子範圍，以防射出成型時下陷。
4.確保工件成型美觀，安裝時請注意字體方向。
5.安裝時遇到R面或斜面時可隨該斜面加工。

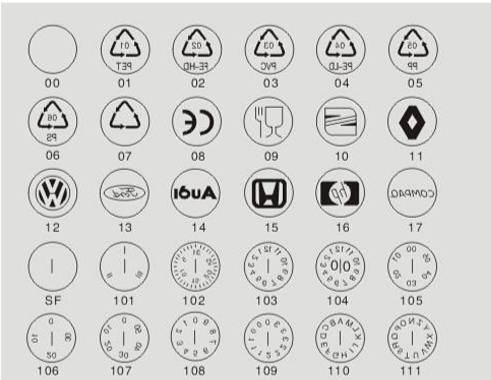


1.Use copper or other soft material to knock when install it.
2.Make sure the diameter and the depth of the hole is right
3.The center hole can not exceed the range of the lid,to avoid sinkingWhen ejecting.
4.Notice the character's direction,to make sure the plastic prooluctsbeauteous.
5.Can per the bevel to process when find R face or bevel when install it.

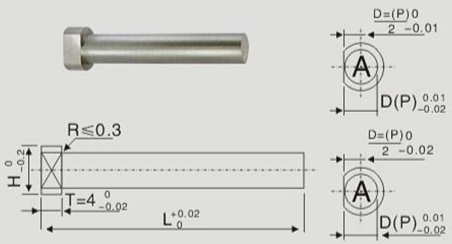
日期章 DATE MARKED PINS

STRAIGHT CORE PINS with ENGRAVING
前端刻字直杆型芯 徑D尺寸固定型/徑P尺寸給定型

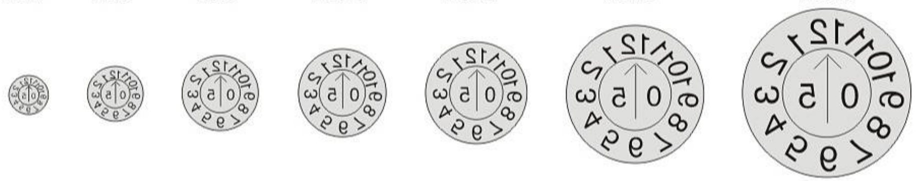
DATE STAMPS PL side adjustable
日期標記組件 内鑲塊PL面調整型



STRAIGHT CORE PINS with ENGRAVING
前端刻字直杆型芯 徑D尺寸固定型/徑P尺寸給定型

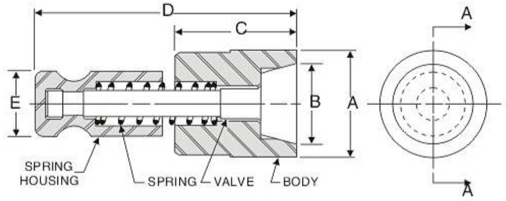


DATE STAMPS-CHARACTER DESIGNATION TYPE
日期標記組件 内鑲塊PL面調整型.文字給定簡易型



空氣梢 AIR POPPET VALVES

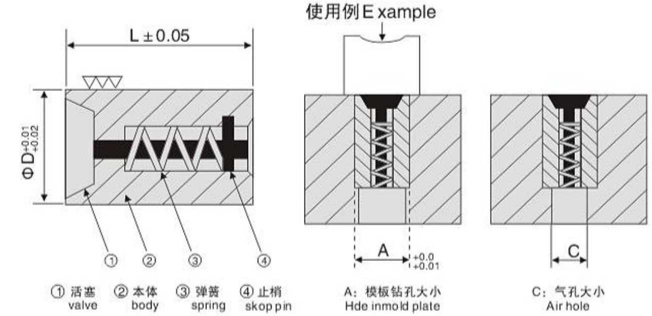
Material 材质: 不锈钢



Type	A	B	C	D	E	Price單價
JH071-1	8	6.6	11	24	6	
JH071-2	12	9.7	18	34	8	
JH071-3	18	14.8	22	45.5	12	

●Order: Catalog No.

Material 材质: SUS416白铁



Type	$D^{+0.02}_{0}$	L	$A^{0}_{-0.01}$	C	Price 單價
JH072	8	15	8	4.5	
	10	20	10	6	
	12	25	12	8	
	16	30	16	10	
	20	30	20	12	
	25	30	25	15	
	30	30/55	30	20	

Order：Type D

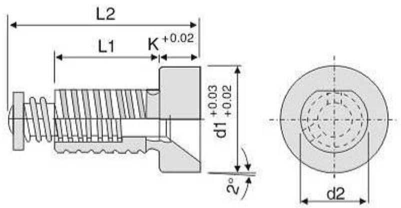
另有其他多种规格可另外洽询KInds of other specification on request

说明:

1.空气销用在有深度、密闭之真空状态下，顶针顶出困难时用之，且产品面积大，不容易脱落时，亦可采用之。
2.本装置精度高，但装设很简单，且不占空间，而发挥的功能很大，为顶出装置改良之最佳利器。
3.其原理为利用空气阀控制，封封闭型之产品之剥脱，以空气扩散之原理，使产品在瞬间，达到自动化之效果。
4.本产品材质皆采用不锈钢制成,绝不生锈,请安心使用。
5.消除模具在顶针设计上及制作过程之麻烦，以及化解在射出上之多故障性，实为模具界一大突破。

Details:

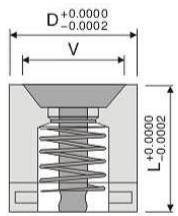
1.It's use in vacuumed condition in the deep and closed molds,or it can be used for having problems with ejection of ejector pins and for the larger size of final products,which has difficulty leaving the molds.
2.Easy installation high precision and space saver.
3.Using air valves to control the operation and the final products can leave the molds instantly.
4.Air-poppet valves are made from stainless steels and it will never rust.
5.Air-poppet valves are one of the most innovated tools for the molding industries.It will resolv the problems for molds design and injection troubles.



Material M材質
鈹銅/brass+SUS420

Type	尺寸/dimenton						Pirce 單價
	d2	d1	L2	K	L1	max.℃	
JHN54-01	6	8	16	5	8	250	
JHN54-02	8	13	21		12		
JHN54-03	10	12	22	6	16		

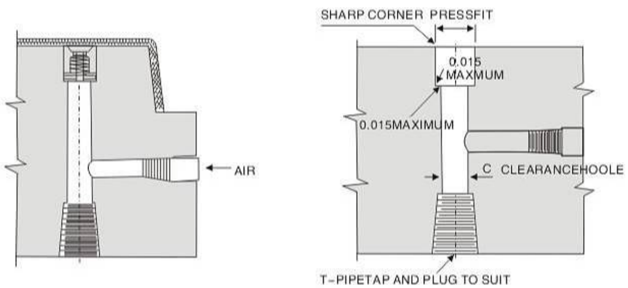
此产品致力于解决在注塑成形期间产生的真空问题。
solve vacuumed problem when injecting molding

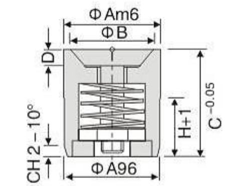


Material M材質	Hardness 硬度
SUS420	HRC40°± 2°

工作气压/air pressure:80~100psi

Type	尺寸/dimenton				Pirce 單價
	D	V	L	C	
JHN55-01	.3754	.325	.377	9/32	
JHN55-02	.5005	.437	.502	3/8	
JHN55-03	.7505	.656	.752	37/64	
JHN55-04	1.0006	.895	1.002	3/4	



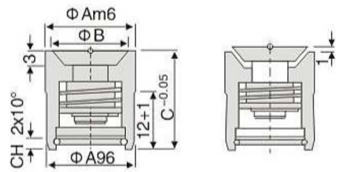


Material M材質	Hardness 硬度
INOX 1.4034	HRC48°± 2°

不锈钢制造决不生锈，请放心使用，同时具有高交换气流流通的特点。
made from stainless steel,never rust and with high air stream exchange currency.

工作气压/air pressure:1.5~6BARS

Type	尺寸/dimenton						Pirce 單價
	A	B	C	D	E	H	
JHN56-01	5	3	12	1.5	4	7	
JHN56-02	6	5.2					
JHN56-03	8	6.5					
JHN56-04	10	8		2	8		
JHN56-05	12	10		2.5	10		
JHN56-06	16	13	20	3	12	12	
JHN56-07	20	17		3.5	16		



Material M材質	Hardness 硬度
INOX 1.4034	HRC48°± 2°

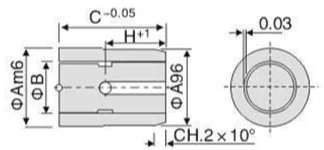
设计应用在热塑性模具方面，通过透气钢来保证正确功能的使用。
Use in heat plastic mold,and with air spigot to make sure use right.

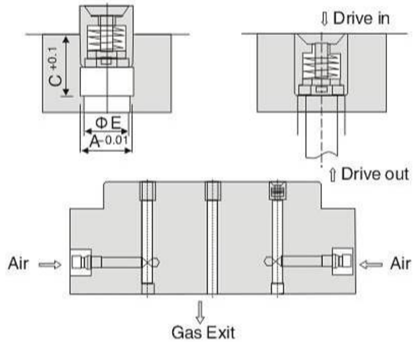
工作气压/air pressure:1.5~6BARS

Type	尺寸/dimenton				Pirce 單價
	A	B	C	E	
JHN57-01	16	13	20	14	
JHN57-02	20	17		18	

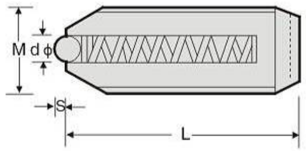
气阀Air popet valves

JHN58





定位珠(定位螺絲) BALL PLUNGERS



Material M材質	Steel ball 鋼珠
SCM21	SUJ2

(mm)

Type	M x Pitch	d ϕ	S	L	荷重 min Max Load		價格Price
JH073-4	4×0.7	2.5	1.0	9	0.3	1.0	
JH073-5	5×0.8	3.0	1.0	12	0.5	1.5	
JH073-6	6×1.0	3.5	1.2	14	0.7	2.0	
JH073-8	8×1.25	5.0	1.8	16	0.9	2.5	
JH073-10	10×1.5	6.0	2	19	1.0	3.0	
JH073-12	12×1.75	8.0	3	22	1.6	5.0	
JH073-16	16×2.0	10.0	4	25	2.5	8.0	

(Inch)

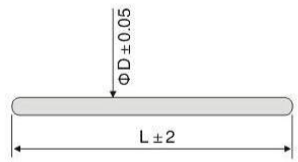
Type	英牙 (inch)	d ϕ	S	L	荷重 min Max Load		Price 價格
JH074-2½	2分半	5	2	17	1.3	2.6	
JH074-3	3分	6	2	17	1.0	3.0	
JH074-4	4分	8	3	17	1.6	5.0	

※定位珠，有一字型及内六角型供選擇。

Ball plungers,have"-"type and hexagon type to choose.

●Order:type

冷卻棒(熱管) HEATSINK



Material M材質
铜+冷却液 copper+cooling liquid

Catalog N o.		L							
Type	D	40-80	81-120	121-150	151-185	186-220	221-250	251-275	276-300
JH075	3								
	4								
	5								
	6								
	8								

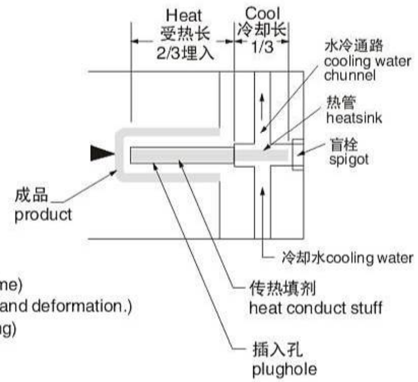
热管方式之优点：

1.成形循环可縮短30%以上(高速吸热与冷却)
2.可获得残留应力少的成形品(防止产品综水与变形)
3.成形品精度佳(冷却水不沸腾)
4.成形品外表面佳(防止水垢产生)
5.可减少颜色不均的现象(可长时间运转)
6.模具保养很有效，因些可维持精度，并减少劳动力。
7.只需装上附加的热管，即能进行模具改良。

安装方法：

1.安装冷却管的孔径加工要比冷却管大0.1m/m~0.2m/m。
2.冷却管装入后，请用传热填剂将多的空间填满。
3.冷却水道孔径加工请比冷却管大两倍以上。
4.冷却管安装时，请将冷却管总长的1/3或2/3长度埋入模具之内以确保安全。

标准组立范围
Normal Equip Area



Advantages:

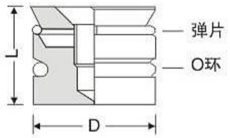
1.Can save at least 30% of molding cycle.(super absorbency and cool down time)
2.Less cull in molding products.(can prevent the final products from shrinkage and deformation.)
3.Produce highly accurate final molding products.(Preventing water from boiling)
4.Outstanding surface on the final products.(avoid any water waste)
5.Can prevent color form inconsistency.(endure long-hour operating time)
6.Helps maintaining molds and reducting labor cost.
7.Simply add heatsink to improve molds function.

Installation:

1.When installing into molds,please make sure the space is at least 0.1mm to 0.2mm wider than heatsink.
2.After installing,please use fitters to fill the gap.
3.Leave at least twice of the hole space for water cooling path
4.For safety,please insert at least 1/3 of heatsink into molds.

Order: Catalog N o. $\boxed{D}$ x $\boxed{L}$

可稳動水柱塞 COOLING CIRCUIT PLUGS



Material
M材質
黄铜 Brass (C3604)

特性:
在塑膠模中或任何水道冷却或加溫系統中，有關於填塞的作用，依照所需的流向配合。

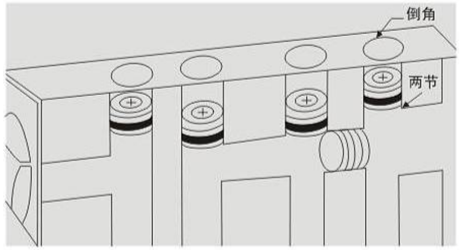
加工方法:
1.任一規格模具孔徑應該比水柱塞外徑大0.1mm。
例如：8mm(外徑)這柱塞，其模具孔應爲8.1mm。
2.水柱塞在水道中，如没有定位，可先放鬆，然後用空氣槍噴出，重新定位。

原理:
利用斜度原理，使O-Ring及弹片擴大而達到填塞的作用。

承受力:
水柱塞8mm 16kg/cm²以上。
水柱塞10mm 17kg/cm²以上。
水柱塞12mm 19kg/cm²以上.

特殊性:
1.不需攻牙，不生銹。
2.可調整鬆緊，不需止泄帶。
3.可隨意移動，放置水道中的任何定點。
4.水冷却、水加温、油冷却、油加温。
5.一般工作溫度-5~+135℃
6.特殊工作溫度-10~+280℃

使用例



Features:
Based on the water flow directions,any of the cooling and heating systems will have the fitting function in the plastic molds.

How to use it:
1.When installing into molds,please make sure the space is at least 0.1mm wider than cooling circuit plugs.
2.If there is no specific setting for the cooling circuit plugs:first release,then using the air spray to reset.

Theory:
According to Sloping method,the O-Ring and springs will enlarge to fit the cooling circuit plugs.

Pressure capacity:
Using:
8mm cooling circuit plugs for over 16kg/cm²
10mm cooling circuit plugs for over 17kg/cm²
12mm cooling circuit plugs for over 19kg/cm²

Specialty:
1.No tapping,no rust
2.Can be adjusted for tightness
3.Can be placed at any water path and moved accordingly.
4.Can be cooling down or heating up by water or oil.
5.Under normal operating temperature:-5~+135℃
6.Special operating temperature:-10~+280℃

Type	D								
JH076	6	8	10	12	16	18	20	25	30
单价									

Order：Type D

排氣栓 GASVEHT

锦鸿 JH

不锈钢---射出模具专用 硬度：RV50 孔径：0.05
stainless steel:special for ejection mold
Hardness:RV50 Diameter:0.05
铜---中空模具专用 硬度:RV20 孔径:0.35
Copper:special for vacuumed mold
Hardness :Rv20 Diameter:0.03

極微細的排氣孔，能將模具内的瓦斯或空氣立即排出于模具外，簡單而最有效果的産品爲提升塑膠成型生産性能發揮威力。

有效解决下列之問題:

燒焦
樹脂的填充較排氣快時，空氣受斷熱壓縮,前端部變成高温,依情形而定，會引起變色,燒焦等問題。

溢料
在結合部前端的樹脂溫度上升，粘度下降，而易發生溢料，另外，空氣造成填充障礙，則射出壓力上升，結果模具微張，而全體發生溢料。

填充不足
雖然没有燒焦、溢料發生，但因空氣造成的阻力，減緩了填充比率，造成填充不足的現象。

氣泡銀綫
空氣與樹脂凝縮造成氣泡、銀綫、污點等外觀不良問題。

循環時間延長
若提高樹脂溫度，模具溫度，降低射出速度，雖然這些不良現象不會發生，但使循環時間延長。

節省能源、節省時間、節省成本
若從設計階段開始考慮TX排氣栓的話，模具的試模次數、時間、材料均可減少。
裝入排氣栓的費用與時間約以往的1/3~1/10。

排氣栓使用方法:
1.排氣栓在壓入模具時,表面請勿直接打擊.
2.排氣栓在壓入模具時，請使用JIS規格H7/S6之公差。

In order to achieve its maximum molding productivities,simply using its ultra micro breathing cell to exhale gas and air from molds.

Common Questions:

1.Burnt
When aberration and burnt issues occurred,it is because resin is filling faster than air exhaling which will result gasvent to overheat.

2.Overflow:
There are 2 possible conditions:
When temperature of resin gets higher at the tip of seaming ,it weakens its bonding strength.
Air can filled up the path and blocks resin to flow functionally which will cause ejection pressure to rise and materials to overflow.

3.Not enough fillings:
Due to air pressure ,it reduces the ratio of the filling speed . Even there is no any sign of burnt or overflow.

4.Cell Streak:
If there are some cells, streaks and mottles occurred, it is because the cells have not been vaporized completely between air and resin.

5.Extensive Cycling Time:
The higher temperature of resin, molds and slower speed of injection cause extensive cycling time, however, it will not affect the quality of final products.

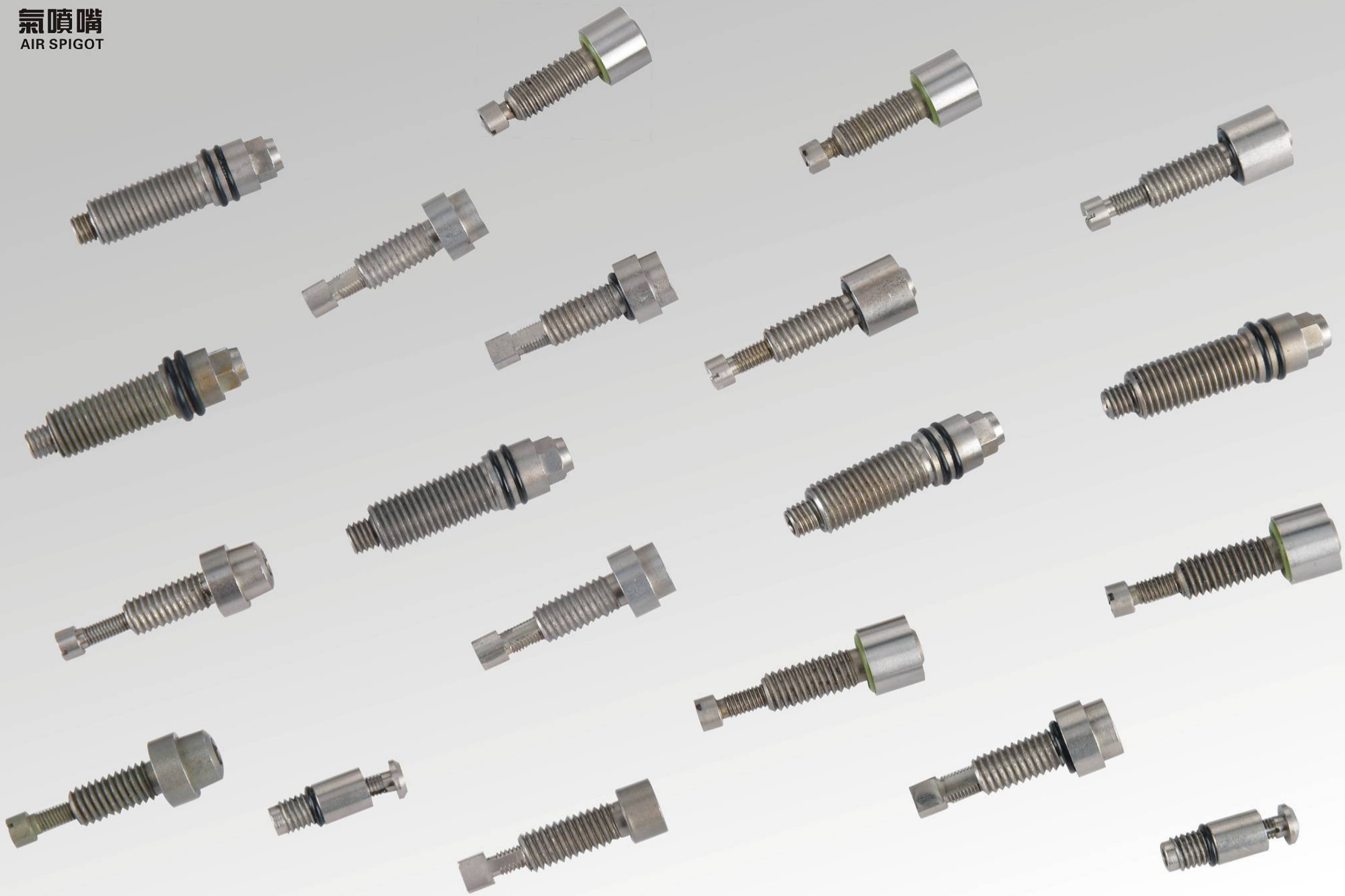
Energy,Time,and Cost Saver:
1.It will reduce the trial die, time and materials if users consider to use TX gasvent the beginning of the design.
2.It will save up to1/3 to 1/10 of the total cost and time if installing gasvent

Installation:
1.Do not touch the surface when gasvent is in use.
2.Use H7/S6 from JIS reference chart .

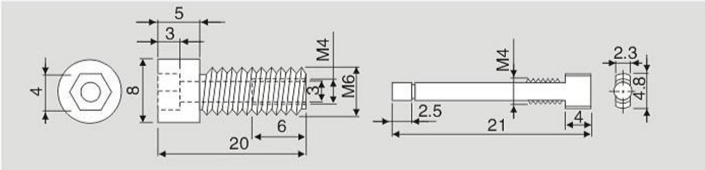
Catalog N o. Type	Catalog N o. D	L	Pirce 單價
JH077	4	4.5	
	5	10	
	6	10	
	8	10	
	10	10	
	12	12	

Order：Catalog N o. D X L

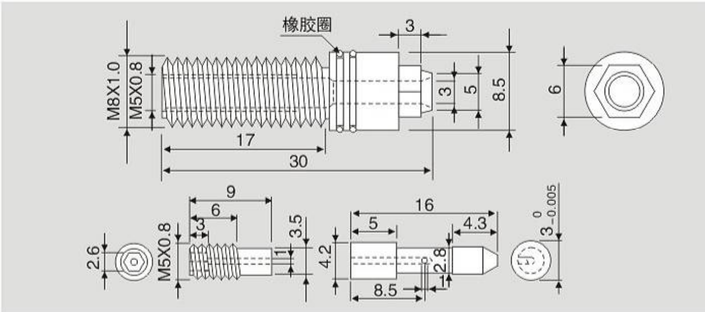
氣噴嘴
AIR SPIGOT



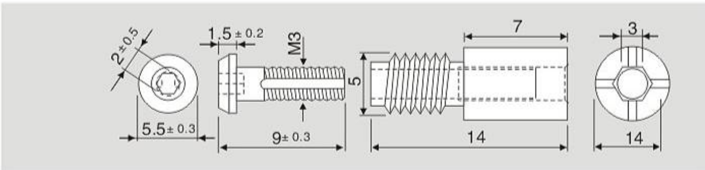
JH078-1

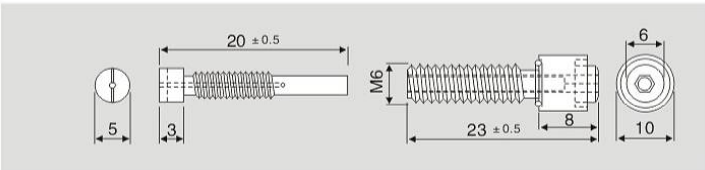
JH078-2

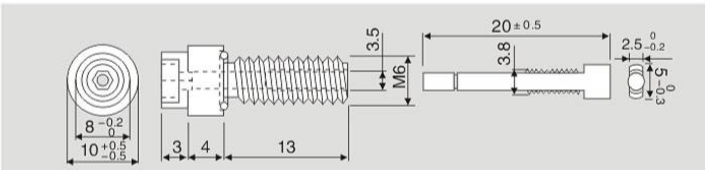
JH078-3

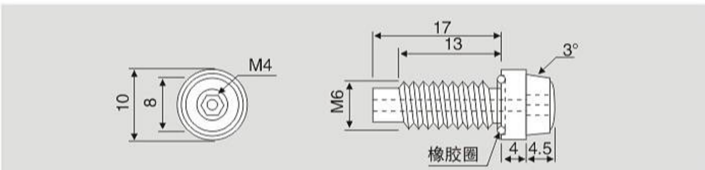
JH078-4

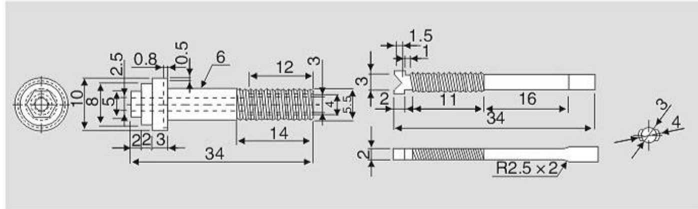
JH078-5

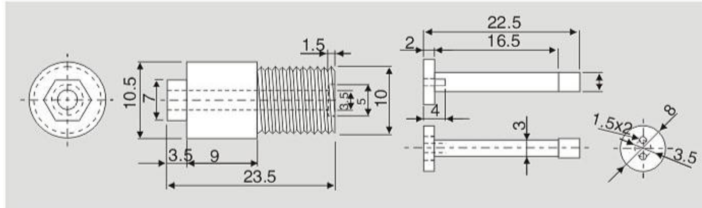
JH078-6

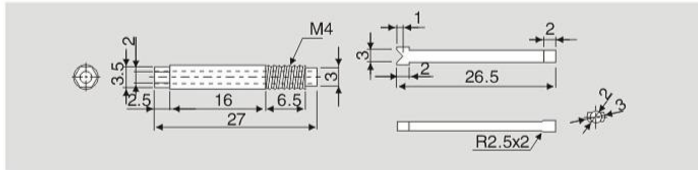
JH078-7

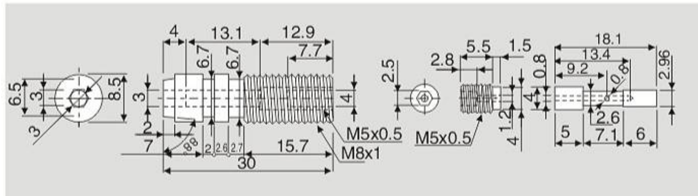
JH078-8

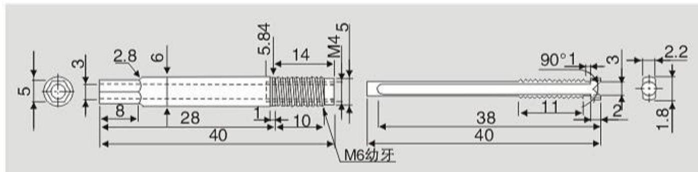
JH078-9

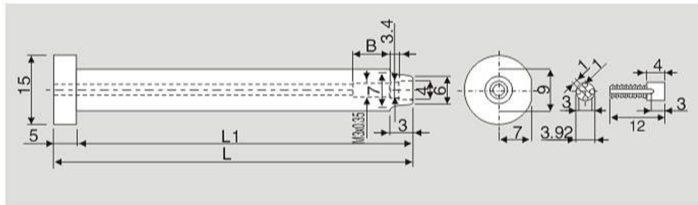
JH078-10

JH078-11

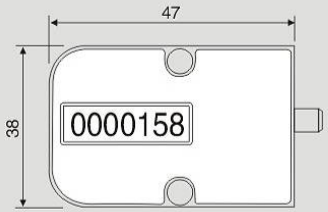



JH078-12

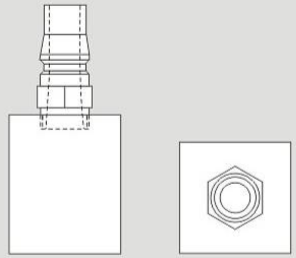
機械式計數器Counter view

JH079-1



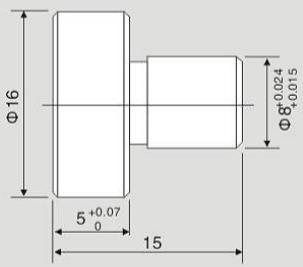
透氣缸Cylinder

JH079-2



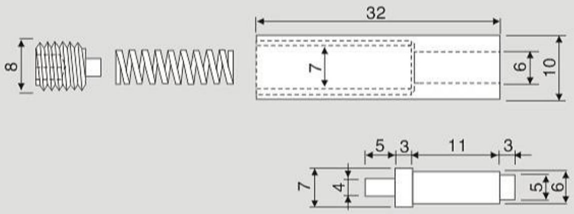
停止梢Dowel pins

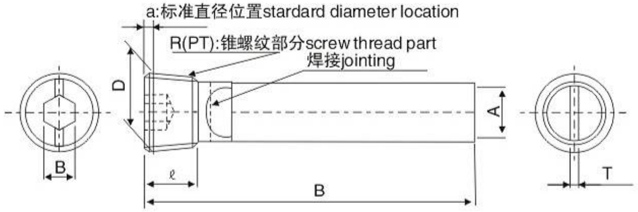
JH079-3



滑塊頂針Slide block pins

JH079-4



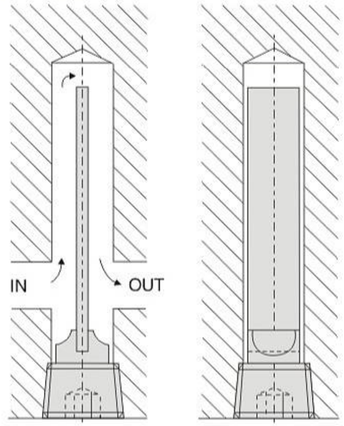


安裝隔水片的水孔应以A+1mm以上为准
The diameter should be above A+1mm to install water water septa.

D	A	Thread 螺紋牙數	Pitch	ℓ	B	B(PT)	T	Type	A	單價 price				
										L50/100	L150	L200	L250	L300
9.728	0.45	28	0.91	7	5	1/8	0.91	JH079-5	6					
									8					
13.157	0.7	19	1.34	8.9	6	1/4	1.34		9					
									10					
16.662				10	8	3/8			12					
									14					

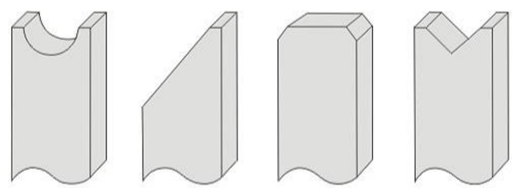
● Order:Type A x L

使用范例Example



隔水片旋转方向的位置应缠上隔离胶带等，并根据紧固情况来调整。
Enlace adhesive tape in the rotate direction and adjust per the degree of tightness.

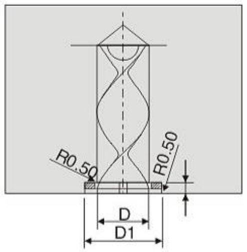
隔不片加工范例Process example



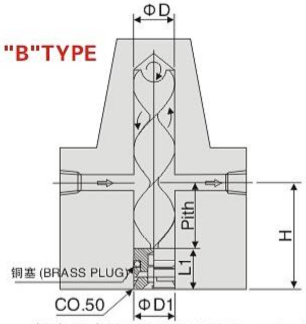
R型切割 R type | 斜切 Oblique | 倒角 Chamfer angle | V行切割 V type

加工圖(MACHINING DRAWING)

"A"TYPE

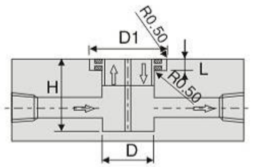


"B"TYPE



铜塞尺寸(BRASS PLUG Dimension)=D1xL1

"T"TYPE

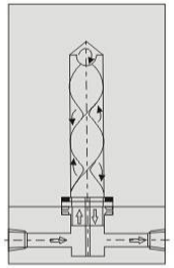


D±0.05	D1	L±0.05
Φ8	Φ15	4.05
Φ10	Φ18	4.05
Φ12	Φ22	4.05
Φ16	Φ25	4.05
Φ20	Φ30	4.05
Φ25	Φ35	4.05

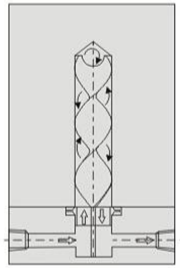
$D^{+0.02}_{-0.10}$	$D1^{0}_{-0.10}$	L1	Pitch	H(Hith+L1)
Φ8	Φ8	10	20	30 50 70
Φ10	Φ10	11	20	31 51 71
Φ12	Φ12	12	25	37 62 87
Φ16	Φ16	14	25	39 64 89
Φ20	Φ20	18	25	43 68 93
Φ25	Φ25	19	25	44 69 94

D±0.05	D1	L±0.05	$H^{0}_{-0.15}$
Φ8	Φ15	4.45	30 50 70
Φ10	Φ18	4.45	31 51 71
Φ12	Φ22	4.45	37 62 87
Φ16	Φ25	4.45	39 64 89
Φ20	Φ30	4.45	43 68 93
Φ25	Φ35	4.45	44 69 94

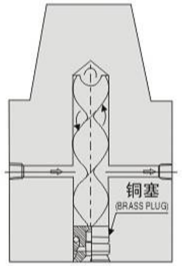
螺旋水套防漏裝置使用範例 (OPERATION FIGURE OF SPIRAL TUBE COOLING SYSTEM)



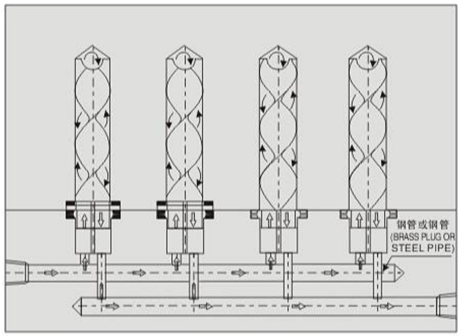
范例(A)
Figure(A)



范例(B)
Figure(B)



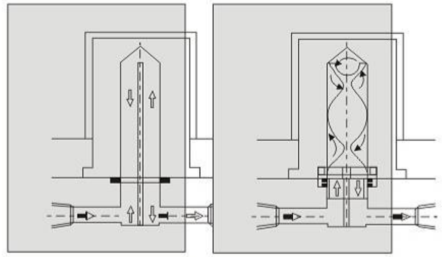
范例(C)
Figure(C)



范例(D) 一模多穴同时进水同时出水
Figure(D) Multi-cavity Water in & Water out simultaneous

新型產品New Product

模具用冷却螺旋水套及防漏装置
Compare between traditionl proudt and new product
传统产品与新型产品之比较
Spiral tube and cooling system for mold



項目 Item / 類別比較 sort	Traditional cooling septa 傳統冷却隔水片	New spiral tube 新型冷却螺旋水套
材質material	金屬材質易生銹蝕metal material easy rust	韌性塑膠材質 plastic material
加工方式process method	復雜complex	簡單simple
加工時間 process time	長long	短short
孔徑配合aperture cooperate	差bad	佳good
水流流象stream condition	層流flowing	斷流cut short
冷却效果cooling effect	不均asymmetrical	均勻symmetrical
模具成本mold cost	高high	低low
射出成本 ejection cost	高high	低low
結論 conclusion	生產成本高、產品品質差high product cost bad product quality	生產成本低、產品品質佳low produet cost.good product quality

詳細于下表:

材質	不銹鋼片：材堅韌加工性差。 鋼片：加工性佳，在水中易生銅銹。	PA6+30%GF：高韌性之塑膠材質，耐温可達200℃，不氧化、不腐蝕。
加工方式	裁斷金屬片→銑刀加工→手工修飾→孔徑合片。底部攻牙、上鎖無頭螺絲→費工費時、保養困難。	一體成形規格產品。衹要輕輕壓入水套、并以起子上緊銅水栓即可、省時輕鬆、保養容易。
加工時間	以孔徑 Φ20x300L加工比較： 在類別2中，所需進間約25-45(分)。	所需時間約 0.5-1.5(分)
孔徑配合	人爲因素、造成品質不穩定： (1)中心位置的偏移。 (2)和孔徑配合太鬆、冷却效果打折扣。 和孔徑配合太緊、組裝固難。	螺旋水套與孔徑接觸面約爲0.4mm之螺旋全周。接觸面小、組裝容易。與孔徑配合佳、冷却效果良好。
水流流象	□形隔水片、不易達到亂流。 水中雜質較易沉澱。	容易達到亂流。水中雜質不易沉澱。
冷却效果	□形：進水側冷、出水側熱 溫度不均→成品收縮差异大、尺寸不良。 應力集中→成品較易翹曲、外觀不良	360° 螺旋進水與出水。熱導效果高、模温均勻。產品尺寸安定。
模具成本	所費施工成本高、材料成本低。	施工成本低、材料價合理、
射出成本	影響成形周期。產品尺寸穩定差、長期累積成本驚人	改善冷却效果。 產品尺寸穩定佳、成品降低可觀。
結論	施工不易、模温不均。產品尺寸穩定差、生産成本高、	施工簡單、模温均勻， 產品尺寸穩定佳、生産成本低。

螺旋水套 SPIRAL TUBE

*A*TYPE

(Include"O"Ring)
PLASTIC SPIRAL TUBE W/PLUG

ITEM No.	Φd	L	O RING	ΦDXH
ST-A08100	Φ8	100	P: 10	15x4
ST-A08200	Φ8	200	P: 10	15x4
ST-A08300	Φ8	300	P: 10	15x4
ST-A10100	Φ10	100	P: 12	18x4
ST-A10200	Φ10	200	P: 12	18x4
ST-A10300	Φ10	300	P: 12	18x4
ST-A12100	Φ12	100	P: 16	22x4
ST-A12200	Φ12	200	P: 16	22x4
ST-A12300	Φ12	300	P: 16	22x4
ST-A16100	Φ16	100	P: 20	25x4
ST-A16200	Φ16	200	P: 20	25x4
ST-A16300	Φ16	300	P: 20	25x4
ST-A20100	Φ20	100	AS: 119	30x4
ST-A20200	Φ20	200	AS: 119	30x4
ST-A20300	Φ20	300	AS: 119	30x4
ST-A20400	Φ20	400	AS: 119	30x4
ST-A25100	Φ25	100	AS: 121	35x4
ST-A25200	Φ25	200	AS: 121	35x4
ST-A25300	Φ25	300	AS: 121	35x4
ST-A25400	Φ25	400	AS: 121	35x4

*B*TYPE

(Exclude Brass Plug)
PLASTIC SPIRAL TUBE W/O PLUG

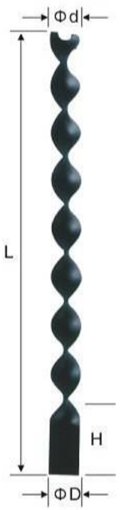
ITEM No.	Φd	L	OBRASS PLUG	PLUG(H)
ST-B08096	Φ8	96	Φ8	10
ST-B08196	Φ8	196	Φ8	10
ST-B08296	Φ8	296	Φ8	10
ST-B10096	Φ10	96	Φ10	11
ST-B10196	Φ10	196	Φ10	11
ST-B10296	Φ10	296	Φ10	11
ST-B12096	Φ12	96	Φ12	12
ST-B12196	Φ12	196	Φ12	12
ST-B12296	Φ12	296	Φ12	12
ST-B16096	Φ16	96	Φ16	14
ST-B16196	Φ16	196	Φ16	14
ST-B16296	Φ16	296	Φ16	14
ST-B20096	Φ20	96	Φ20	18
ST-B20196	Φ20	196	Φ20	18
ST-B20296	Φ20	296	Φ20	18
ST-B20396	Φ20	396	Φ20	18
ST-B25096	Φ25	96	Φ25	19
ST-B25196	Φ25	196	Φ25	19
ST-B25296	Φ25	296	Φ25	19
ST-B25396	Φ25	396	Φ25	19

T TYPE TUBE

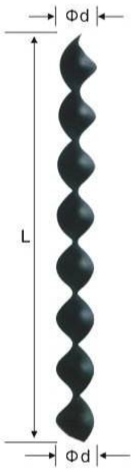
(Include"O" Ring)

ITEM No.	Φd	L	O RING	ΦDXH
ST-T0825	Φ8	25	P: 8	15x4.4
ST-T0830	Φ8	30	P: 8	15x4.4
ST-T0835	Φ8	35	P: 8	15x4.4
ST-T0840	Φ8	40	P: 8	15x4.4
ST-T1025	Φ10	25	P: 10	18x4.4
ST-T1030	Φ10	30	P: 10	18x4.4
ST-T1035	Φ10	35	P: 10	18x4.4
ST-T1040	Φ10	40	P: 10	18x4.4
ST-T1225	Φ12	25	P: 12	22x4.4
ST-T1230	Φ12	30	P: 12	22x4.4
ST-T1235	Φ12	35	P: 12	22x4.4
ST-T1240	Φ12	40	P: 12	22x4.4
ST-T1625	Φ16	25	P: 16	25x4.4
ST-T1630	Φ16	30	P: 16	25x4.4
ST-T1635	Φ16	35	P: 16	25x4.4
ST-T1640	Φ16	40	P: 16	25x4.4
ST-T2025	Φ20	25	P: 20	30x4.4
ST-T2030	Φ20	30	P: 20	30x4.4
ST-T2035	Φ20	35	P: 20	30x4.4
ST-T2040	Φ20	40	P: 20	30x4.4
ST-T2525	Φ25	25	AS: 119	35x4.4
ST-T2530	Φ25	30	AS: 119	35x4.4
ST-T2535	Φ25	35	AS: 119	35x4.4
ST-T2540	Φ25	40	AS: 119	35x4.4

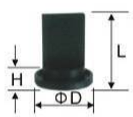
*A*TYPE



*B*TYPE



T TYPE TUBE



螺旋水套價格表 SPIRAL TUBE PRLSE LIST

"A" 款附頭部螺旋水套 "A" Type In clude Brass Plug

Type	Wedeh 寬度	Length 長度	O Ring 配件-O型環	Price 單價
ST-A08100	ϕ8	100	P:10	
ST-A08200	ϕ8	200	P:10	
ST-A08300	ϕ8	300	P:10	
ST-A10100	ϕ10	100	P:12	
ST-A10200	ϕ10	200	P:12	
ST-A10300	ϕ10	300	P:12	
ST-A12100	ϕ12	100	P:16	
ST-A12200	ϕ12	200	P:16	
ST-A12300	ϕ12	300	P:16	
ST-A16100	ϕ16	100	P:20	
ST-A16200	ϕ16	200	P:20	
ST-A16300	ϕ16	300	P:20	
ST-A20100	ϕ20	100	AS:119	
ST-A20200	ϕ20	200	AS:119	
ST-A20300	ϕ20	300	AS:119	
ST-A20400	ϕ20	400	AS:119	

"B" 款無頭部螺旋水套 "B" Type Exclude Bross Plug

Type	Wedeh 寬度	Length 長度	brass plug 配件-鐵水栓	Price 單價
ST-B08096	ϕ8	96	ϕ8	
ST-B08196	ϕ8	196	ϕ8	
ST-B08296	ϕ8	296	ϕ8	
ST-B10096	ϕ10	96	ϕ10	
ST-B10196	ϕ10	196	ϕ10	
ST-B10296	ϕ10	296	ϕ10	
ST-B12096	ϕ12	96	ϕ12	
ST-B12196	ϕ12	196	ϕ12	
ST-B12296	ϕ12	296	ϕ12	
ST-B16096	ϕ16	96	ϕ16	
ST-B16196	ϕ16	196	ϕ16	
ST-B16296	ϕ16	296	ϕ16	
ST-B20096	20	96	ϕ20	
ST-B20196	ϕ20	196	ϕ20	
ST-B20296	ϕ20	296	ϕ20	
ST-B20396	ϕ20	396	ϕ20	

"T" 型防漏裝置 "T" Type avoid leale system

Type	Wedeh 寬度	Length 長度	O Ring 配件-O型環	Price 單價
ST-T0825	ϕ8	25	P:8	
ST-T0830	ϕ8	30	P:8	
ST-T0835	ϕ8	35	P:8	
ST-T0840	ϕ8	40	P:8	
ST-T1025	ϕ10	25	P:10	
ST-T1030	ϕ10	30	P:10	
ST-T1035	ϕ10	35	P:10	
ST-T1040	ϕ10	40	P:10	
ST-T1225	ϕ12	25	P:12	
ST-T1230	ϕ12	30	P:12	
ST-T1235	ϕ12	35	P:12	
ST-T1240	ϕ12	40	P:12	
ST-T1625	ϕ16	25	P:16	
ST-T1630	ϕ16	30	P:16	
ST-T1635	ϕ16	35	P:16	
ST-T1640	ϕ16	40	P:16	
ST-T2025	ϕ20	25	P:20	
ST-T2030	ϕ20	30	P:20	
ST-T2035	ϕ20	35	P:20	
ST-T2040	ϕ20	40	P:20	

SLD-101系列(兼容HASCO · SLT)

SLD-101 SERIES(COMPATIBLE HASCO.SLT)

一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-101-2	5/16"HOSE	
SLD-101-3	3/8"HOSE	
SLD-101-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-101-L2	5/16"HOSE	
SLD-101-L3	3/8"HOSE	
SLD-101-L4	1/2"HOSE	

Type	Spcification 規格	Pirce 單價
SLD-101-S	6.5*10PU管tube	
SLD-101-M	3/8*1/2PU管tube	

Type	Spcification 規格	Pirce 單價
SLD-101-F3	3/8"鐵弗龍管 3/8"teflon tube	
SLD-101-F4	1/2"鐵弗龍管 1/2"teflon tube	

Type	Spcification 規格	Pirce 單價
SLD-101-FL3	3/8"鐵弗龍管 3/8"teflon tube	
SLD-101-FL4	1/2"鐵弗龍管 teflon tube	

Type	Spcification 規格	Pirce 單價
SLD-101-F2	3/8"耐高壓油管 Pressure tube	

二、SLD-101系列專用模具水嘴（常用規格）
SLD-101 serices spigot special for mold(common specs)

1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
101-01PT-M	10	101-02PT-M	
101-01PT-45M	14	101-02PT-45M	
101-01PT-70M	24	101-02PT-70M	
101-01PT-90M	28	101-02PT-90M	
101-01PT-115M	32	101-02PT-115M	
101-01PT-130M	36	101-02PT-130M	
101-01PT-160M	48	101-02PT-160M	
101-01PT-200M	56	101-02PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
101-03AT-M	10	101-04AT-M	
101-03AT-45M	14	101-04AT-45M	
101-03AT-70M	24	101-04AT-70M	
101-03AT-90M	28	101-04AT-90M	
101-03AT-115M	32	101-04AT-115M	
101-03AT-130M	36	101-04AT-130M	
101-03AT-160M	48	101-04AT-160M	
101-03AT-200M	56	101-04AT-200M	

注：90M=水嘴全长9公分=9厘米
90M=spigot's length is 9cm

三、SLD-101系列專用模具水嘴（特殊規格）
SLD-101 serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
101-01PT-L	1/8PT(細牙) 1/8PT thin thread	
101-02PT-L	1/4PT(細牙) 1/4PT thin thread	
101-03AT-L	3/8AT(粗牙) 3/8AT wide thread	
101-04AT-L	1/2AT(粗牙) 1/2AT wide thread	

Type	Spcification 規格	Pirce 單價
101-03PT-M	3/8PT（細牙） 3/8PT thin thread	
101-04PT-M	1/2PT（細牙） 1/2PT thin thread	
101-05AT-M	5/8AT（粗牙） 5/8AT wide thread	

SLD-201系列(兼容HASCO · SLT)

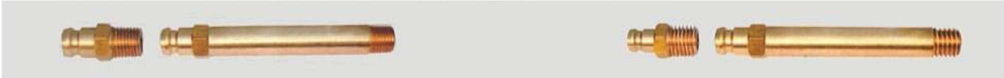
SLD-201 SERIES(COMPATIBLE HASCO.SLT)

一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-201-3	3/8" HOSE	
SLD-201-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-201-F3	3/8" 鐵弗龍管 3/8"teflon tube	
SLD-201-F4	1/2" 鐵弗龍管 1/2"teflon tube	

二、SLD-201系列專用模具水嘴（常用規格）
SLD-201 serices spigot special for mold(common specs)



1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
201-01PT-M	16	201-02PT-M	
201-01PT-45M	26	201-02PT-45M	
201-01PT-70M	32	201-02PT-70M	
201-01PT-90M	36	201-02PT-90M	
201-01PT-115M	42	201-02PT-115M	
201-01PT-130M	48	201-02PT-130M	
201-01PT-160M	60	201-02PT-160M	
201-01PT-200M	90	201-02PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
201-03AT-M	16	201-04AT-M	
201-03AT-45M	26	201-04AT-45M	
201-03AT-70M	32	201-04AT-70M	
201-03AT-90M	36	201-04AT-90M	
201-03AT-115M	42	201-04AT-115M	
201-03AT-130M	48	201-04AT-130M	
201-03AT-160M	60	201-04AT-160M	
201-03AT-200M	90	201-04AT-200M	

注：90M=水嘴全长9公分=9厘米
90M=spigot's length is 9cm

三、SLD-201系列專用模具水嘴（特殊規格）
SLD-201 serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
201-01PT-L	1/8PT（細牙） 1/8PT thin thread	
201-02PT-L	1/4PT（細牙） 1/4PT thin thread	
201-03AT-L	3/8AT（粗牙） 3/8AT wide thread	
201-04AT-L	1/2AT（粗牙） 1/2AT wide thread	

Type	Spcification 規格	Pirce 單價
201-03PT-M	3/8PT（細牙） 3/8PT thin thread	
201-04PT-M	1/2PT（細牙） 1/2PT thin thread	
201-05AT-M	5/8AT（粗牙） 5/8AT wide thread	

SLD-301系列(兼容D.M.E)

SLD-301 SERIES(COMPATIBLE WITH D.M.E)

一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-301-2	5/16" HOSE	
SLD-301-3	3/8" HOSE	
SLD-301-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-301-F3	3/8" 鐵弗龍管 teflon tube	
SLD-301-F4	1/2" 鐵弗龍管 teflon tube	

注：另有加长规格接头。Note:Special spec is available.

二、SLD-301系列專用模具水嘴（常用規格）
SLD-301 serices spigot special for mold(common specs)

1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
301-01PT-M	8	301-02PT-M	
301-01PT-75M	20	301-02PT-75M	
301-01PT-100M	26	301-02PT-100M	
301-01PT-125M	32	301-02PT-125M	
301-01PT-150M	36	301-02PT-150M	
301-01PT-200M	60	301-02PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
301-03AT-M	8	301-04AT-M	
301-03AT-75M	20	301-04AT-75M	
301-03AT-100M	26	301-04AT-100M	
301-03AT-125M	32	301-04AT-125M	
301-03AT-150M	36	301-04AT-150M	
301-03AT-200M	60	301-04AT-200M	

注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

三、SLD-301系列專用模具水嘴（特殊規格）
SLD-301 serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
301-01PT-L	1/8PT（細牙） 1/8PT thin thread	
301-02PT-L	1/4PT（細牙） 1/4PT thin thread	
301-03AT-L	3/8AT（粗牙） 3/8AT wide thread	
301-04AT-L	1/2AT（粗牙） 1/2AT wide thread	

Type	Spcification 規格	Pirce 單價
301-03PT-M	3/8PT（細牙） 3/8PT thin thread	
301-04PT-M	1/2PT（細牙） 1/2PT thin thread	
301-05AT-M	5/8AT（粗牙） 5/8AT wide thread	

SLD-401系列(兼容D.M.E)

锦鸿 JH

SLD-401 SERIES(COMPATIBLE WITH D.M.E)

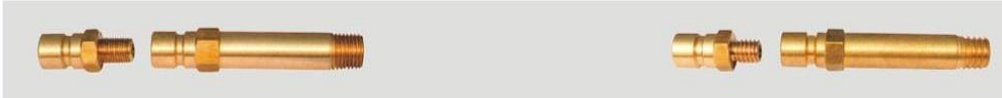
一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-401-3	3/8" HOSE	
SLD-401-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-401-F3	3/8" 鐵弗龍管 3/8" teflon tube	
SLD-401-F4	1/2" 鐵弗龍管 1/2" teflon tube	

注：另有加长规格接头 Note:Special spec is available

二、SLD-401系列專用模具水嘴（常用規格）
SLD-401 serices spigot special for mold (common specs)



1/8PT（細牙） 1/8NPT（細牙）	Pirce 單價	1/4PT（細牙） 1/4NPT（細牙）	Pirce 單價
401-01PT-M	10	401-02PT-M	
401-01PT-75M	22	401-02PT-75M	
401-01PT-100M	28	401-02PT-100M	
401-01PT-125M	34	401-02PT-125M	
401-01PT-150M	40	401-02PT-150M	
401-01PT-200M	60	401-02PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
401-03AT-M	10	401-04AT-M	
401-03AT-75M	22	401-04AT-75M	
401-03AT-100M	28	401-04AT-100M	
401-03AT-125M	34	401-04AT-125M	
401-03AT-150M	40	401-04AT-150M	
401-03AT-200M	60	401-04AT-200M	

注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

三、SLD-401系列專用模具水嘴（特殊規格）
SLD-401 Serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
401-01PT-L	1/8PT（細牙） 1/8PT thin thread	
401-02PT-L	1/4PT（細牙） 1/4PT thin thread	
401-03AT-L	3/8AT（粗牙） 3/8AT wide thread	
401-04AT-L	1/2AT（粗牙） 1/2AT wide thread	

Type	Spcification 規格	Pirce 單價
401-03PTM	3/8PT（細牙） 3/8PT thin thread	
401-04PT-M	1/2PT（細牙） 1/2PT thin thread	
401-05AT-M	5/8AT（粗牙） 5/8AT wide thread	

SLD-501系列(兼容WENLIN系列)

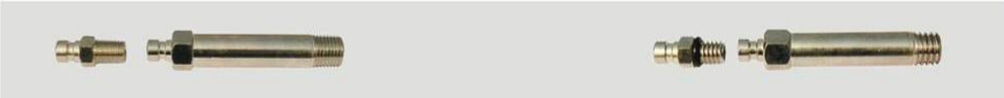
SLD-501 SERIES(COMPATIBLE WITH WENLIN)

一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-501-2	5/16" HOSE	
SLD-501-3	3/8" HOSE	
SLD-501-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-501-F3	3/8" 鐵弗龍管 3/8" teflon tube	
SLD-501-F4	1/2" 鐵弗龍管 1/2" teflon tube	

二、SLD-501系列專用模具水嘴（常用規格）
SLD-501 serices spigot special for mold (common specs)



1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
501-01PT-M	10	501-02PT-M	
501-01PT-75M	38	501-02PT-75M	
501-01PT-100M	42	501-02PT-100M	
501-01PT-125M	56	501-02PT-125M	
501-01PT-150M	60	501-02PT-155M	
501-01PT-200M	90	501-02PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
501-03AT-M	10	501-04AT-M	
501-03AT-75M	38	501-04AT-75M	
501-03AT-100M	42	501-04AT-100M	
501-03AT-125M	56	501-04AT-125M	
501-03AT-150M	60	501-04AT-150M	
501-03AT-130M	90	501-04AT-200M	

注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

三、SLD-501系列專用模具水嘴（特殊規格）
SLD-501 Serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
501-01PT-L	1/8PT（細牙） 1/8PT thin thread	
501-02PT-L	1/4PT（細牙） 1/4PT thin thread	
501-03AT-L	3/8AT（粗牙） 3/8AT wide thread	
501-04AT-L	1/2AT（粗牙） 1/2AT wide thread	

Type	Spcification 規格	Pirce 單價
501-03PTM	3/8PT（細牙） 3/8PT thin thread	
501-04PT-M	1/2PT（細牙） 1/2PT thin thread	
501-05AT-M	5/8AT（粗牙） 5/8AT wide thread	

SLD-601系列(兼容日東)

SLD-601 SERIES(COMPATIBLE WITH NITO)

一、模具專用快速接頭
Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-601-2	5/16" HOSE	
SLD-601-3	3/8" HOSE	
SLD-601-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-601-F3	3/8" 鐵弗龍管 3/8" teflon tube	
SLD-601-F4	1/2" 鐵弗龍管 1/2" teflon tube	

二、SLD-601系列專用模具水嘴（常用規格）
SLD-601 serices spigot special for mold(common specs)

1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
601-01PT-M		601-02PT-M	
601-01PT-75M		601-02PT-75M	
601-01PT-100M		601-02PT-100M	
601-01PT-125M		601-02PT-125M	
601-01PT-150M		601-02PT-150M	
601-01PT-200M		601-02PT-200M	

注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

三、SLD-601系列專用模具水嘴（特殊規格）
SLD-601 Serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
601-03PT-M	3/8PT（細牙） 3/8PT thin thread	
601-04PT-M	1/2PT（細牙） 1/2PT thin thread	

SLD-701系列(兼容日東) SLD-701 SERIES (COMPATIBLE WITH NITO)

一、模具專用快速接頭 Fast tie in special for mold

Type	Spcification 規格	Pirce 單價
SLD-701-2	5/16" HOSE	
SLD-701-3	3/8" HOSE	
SLD-701-4	1/2" HOSE	

Type	Spcification 規格	Pirce 單價
SLD-701-F3	3/8" 鐵弗龍管 3/8" teflon tube	
SLD-701-F4	1/2" 鐵弗龍管 3/8" teflon tube	

二、SLD-701系列專用模具水嘴（常用規格） SLD-701 serices spigot special for mold(common specs)

1/8PT（細牙） 1/8PT thin thread	Pirce 單價	1/4PT（細牙） 1/4PT thin thread	Pirce 單價
701-01PT-M		701-02PT-M	
701-01PT-75M		701-02PT-75M	
701-01PT-100M		701-02PT-100M	
701-01PT-125M		701-02PT-125M	
701-01PT-150M		701-02PT-150M	
701-01PT-200M		701-02PT-200M	

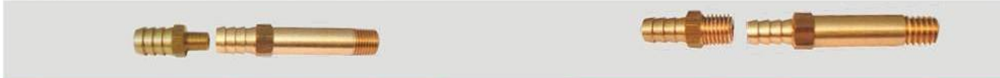
注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

三、SLD-701系列專用模具水嘴（特殊規格） SLD-701 Serices spigot special for mold(special spec)

Type	Spcification 規格	Pirce 單價
701-03PT-M	3/8PT（細牙） 3/8PT thin thread	
701-04PT-M	1/2PT（細牙） 1/2PT thin thread	

傳統水嘴 TRADITIONAL SPIGOT

一、傳統水嘴(3分管)Traditional spigot



1/8PT（細牙） 1/8NPT（細牙）	Pirce 單價	1/4PT（細牙） 1/4NPT（細牙）	Pirce 單價
CT-301PT-M		CT-302PT-M	
CT-301PT-75M		CT-302PT-75M	
CT-301PT-100M		CT-302PT-100M	
CT-301PT-125M		CT-302PT-125M	
CT-301PT-150M		CT-302PT-150M	
CT-301PT-200M		CT-302PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
CT-303AT-M		CT-304AT-M	
CT-303AT-75M		CT-304AT-75M	
CT-303AT-100M		CT-304AT-100M	
CT-303AT-125M		CT-304AT-125M	
CT-303AT-150M		CT-304AT-150M	
CT-303AT-200M		CT-304AT-200M	

二、傳統水嘴（4分管）Traditional spigot

1/8PT(細牙) 1/8NPT(細牙)	Pirce 單價	1/4PT(細牙) 1/4NPT(細牙)	Pirce 單價
CT-401PT-M		CT-402PT-M	
CT-401PT-75M		CT-402PT-75M	
CT-401PT-100M		CT-402PT-100M	
CT-401PT-125M		CT-402PT-125M	
CT-401PT-150M		CT-402PT-150M	
CT-401PT-200M		CT-402PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
CT-403AT-M		CT-404AT-M	
CT-403AT-75M		CT-404AT-75M	
CT-403AT-100M		CT-404AT-100M	
CT-403AT-125M		CT-404AT-125M	
CT-403AT-150M		CT-404AT-150M	
CT-403AT-200M		CT-404AT-200M	

注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

油嘴

1/8PT(細牙) 1/8NPT(細牙)	Pirce 單價	1/4PT(細牙) 1/4NPT(細牙)	Pirce 單價
3/8H*1/8PT-M		3/8H*1/4PT-M	
3/8H*1/8PT-75M		3/8H*1/4PT-75M	
3/8H*1/8PT-100M		3/8H*1/4PT-100M	
3/8H*1/8PT-125M		3/8H*1/4PT-125M	
3/8H*1/8PT-150M		3/8H*1/4PT-150M	
3/8H*1/8PT-200M		3/8H*1/4PT-200M	

3/8AT（粗牙） 3/8AT wide thread	Pirce 單價	1/2AT（粗牙） 1/2AT wide thread	Pirce 單價
3/8H*3/8AT-M		3/8H*1/2AT-M	
3/8H*3/8AT75M		3/8H*1/2AT-75M	
3/8H*3/8AT-100M		3/8H*1/2AT-100M	
3/8H*3/8AT-125M		3/8H*1/2AT-125M	
3/8H*3/8AT-150M		3/8H*1/2AT-150M	
3/8H*3/8AT-200M		3/8H*1/2AT-200M	

注：3/8H=3分铁弗龙管 3/8H=3cm teflon tube
注：75M=水嘴全长7.5公分=7.5厘米
75M=spigot's length is 7.5cm

分流器 DIFFLUENCE EQUIPMENT

一、簡易型 分流器 Simple type

Type	Spec 規格	Pirce 單價
2×2AL	二進二出(2 in 2 out)	
3×3AL	三進三出(3 in 3 out)	
4×4AL	四進四出(4 in 4 out)	
5×5AL	五進五出(5 in 5 out)	
6×6AL	六進六出(6 in 6 out)	
7×7AL	七進七出(7 in 7 out)	
8×8AL	八進八出(8 in 8 out)	
10×10AL	十進十出(10 in 10 out)	
12×12AL	十二進十二出(12 in 12 out)	

二、透視型分流器(可加裝溫度計) perspective type

Type	Spec 規格	Pirce 單價
2×2AF	二進二出(2 in 2 out)	
3×3AF	三進三出(3 in 3 out)	
4×4AF	四進四出(4 in 4 out)	
5×5AF	五進五出(5 in 5 out)	
6×6AF	六進六出(6 in 6 out)	
7×7AF	七進七出(7 in 7 out)	
8×8AF	八進八出(8 in 8 out)	
12×12AF	十二進十二出(12 in 12 out)	

環保節能器 ENVIRONMENTAL ENERGY SAVER

實驗證明采用本產品作業液料節省60%以上
Experimont porved:Adopt this product can save liquid material above 60%

1400CC(大Big)

新型專利號00227972.X

大型環保節能器功能說明：
1. 節省成本：液料可回收。
2.高效率：一次加滿可長期使用，添加方便。
3.安全性高：無揮發憂慮，工安有保障。
4.節省空間：占用面積小。
5.容易操作及安裝。

大型環保節能器使用維護說明：
1.更換任何一種液料時都需洗擦幹凈，尤其桶內。
2.具有粘性或不幹净之液料切不可添加入内。
3.在使用過程中，濕度過量可在盤上加蓋紗布，以便適度控制液料多寡。
4.加入液料後，將吸盤與桶擰緊即可操作與使用。

Function:
1.Save cost and the liquid material reclaimable
2.High efficiency fill one time can use long time and is convenient to fill in.
3.High security:no volatilization.
4.Save space:engross small area.
5.Easy to use and install
Maintenance:
1.when replacing any kind of liquid must wipe clean.
2.Do not fill mucosity or dirty liquid in it.
3.Can cover with gauze to control the liguid.
4.Screw down the cupule and pail to use after fill in liquid

640CC(中Moderate)

中、小型環保節能器功能說明：
1.節省成本：取適當之液料不浪費。
2.高效率：一次加滿可長期使用。
3.安全性高：無揮發憂慮，工安有保障。
4.節省空間：占用面積小。
5.容易操作及安裝。

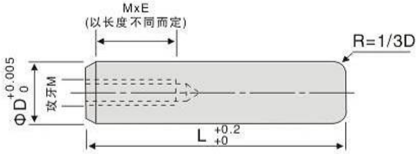
Function:
1.Save cost and the liquid material reclaimable.
2.High efficiency fill one tiem can use long time and is convenient to fill in.
3.High security:no volatilization.
4.Save space:engross small area.
5.Easy to use and install

160CC(小Small)

大、中、小型環保節能器用途説明：
本環保節能器可是用在任何化學及有機溶劑類生産及表面清潔用，應用產業廣泛，例如：衝壓、印刷、表面塗布，制鞋、塑膠橡膠、注塑、皮革及電子類生產綫等。

Purpose:
Can be use in any kinds of chemistry and organism impregnant`s produce and surface clean.Apply to kinds of industry,for example:stamping printing, shoes manufacture,plastic,injection, leather or electric produce line.

附牙定位梢 DOWEL PINS WIEH THREAD



Material 材質	Hardness 硬度
SK-3	HRC56°~60°
FDAC	HRC33°~38°

Type	L	D 6	8	10	12	13	14	16	20
JH090	20								
	25								
	30								
	35								
	40								
	45								
	50								
	55								
	60								
	65								
	70								
	75								
	80								
	90								
	100								
	110								
	120								
	130								
	140								
	150								

Order：Type $\boxed{D}\times\boxed{L}$

攻牙Thread：6ΦM4×0.7 8ΦM5×0.8 10ΦM6×1.0 12ΦM8×1.25 14MΦ8×1.25 16MΦ8×1.25 20MΦ8×1.25

E：L30内 e=10＜L30~50 e15＜L 50以上e20

精密墊片 PRECISION CUSHION

Type	規格spec 厚度(mm) Thickness	寬(mm) Width	長(m) Length	Price 單價
HSW005	0.005	1.27	5	
HSA01	0.01			
HSA02	0.02			
HSA03	0.03			
HSA04	0.04			
HSA05	0.05			
HSA06	0.06			
HSA07	0.07			
HSA08	0.08			
HSA09	0.09			
HSA10	0.10			
HSA12	0.12			
HSA15	0.15			
HSA20	0.20			
HSA25	0.25			
HSA30	0.30			
HSA35	0.35			
HSA40	0.40			
HSA45	0.45			
HSA50	0.50			
HSA55	0.55			
HSA60	0.60			
HSA65	0.65			
HSA70	0.70			
HSA75	0.75			
HSA80	0.80			
HSA85	0.85			
HSA90	0.90			
HSA95	0.95			
HSA100	1.00			

Type	規格spec 厚度(mm) Thickness	寬(mm) Width	長(m) Length	Price 單價
HSB01	0.01	50	5	
HSB02	0.02			
HSB03	0.03			
HSB04	0.04			
HSB05	0.05			
HSB06	0.06			
HSB07	0.07			
HSB08	0.08			
HSB09	0.09			
HSB10	0.10			
HSB12	0.12			
HSB15	0.15			
HSB20	0.20			
HSB25	0.25			

Type	規格spec 厚度(mm) Thickness	寬(mm) Width	長(m) Length	Price 單價
HSC25	0.25	50	5	
HSC30	0.30			
HSC35	0.35			
HSC40	0.40			
HSC45	0.45			
HSC50	0.50			
HSC60	0.60			
HSC70	0.70			
HSC80	0.80			
HSC90	0.90			
HSC100	1.00			

塑膠模用 Plastic mold accessories

無給油零件
Oilfree components

無給油零件
Oilfree components

主要材料推薦 MAIN MATERIALS RECOMMENDATION

Metal type 合金材质

CSB Standard CSB標準	650#Strong cast bronze 高力黄銅	650B cast bronze 高力黄銅	650S1 Copper alloy 銅合金	650S2 Copper alloy 銅合金	650S3 Copper alloy 銅合金	650S5 strong cast bronze 特硬高力黄銅	250 Cast bronze 鑄鐵	250S2 20# steel
Cu%	65	65	85	80	88	65		
Sn%			5		12			
Pb%			5					
Zn%	25	25	5			25		
Ni%				5				
Al%	6	6		10		6		
Fe%				5				
Mn%	4	4				4		
Density密度	8.0	8.0	8.8	7.6	8.8	8.0	7.3	7.8
Hardness HB硬度	>210	>180	>70	>150	>80	>250	>160	HRC>58
Tensile strength 抗拉强度N/mm^2	>750	>550	>200	>500	>360	>800	>250	>1500
Elongation%伸长率	>12	>12	>15	>10	>8	>4		
Coefficient of linear expansion热胀系数	$1.9*10^{-5}$/℃	$1.9*10^{-5}$/℃	$1.8*10^{-5}$/℃	$1.6*10^{-5}$/℃	$1.8*10^{-5}$/℃	$1.9*10^{-5}$/℃	$1.0*10^{-5}$/℃	$1.1*10^{-5}$/℃
Limit Temp温度	300℃	300℃	400℃	400℃	400℃	300℃	400℃	300℃
Max.Load N/mm^2 最大动承载	100	80	60	50	70	150	100	100
Max.Sppeed m/min 最大线速度	15	15	10	20	10	10	15	5
Max.PVPV N/mm^2*m/min	200	200	200	200	200	200	40	150
压缩永久变形量 400N/mm^2	<0.01	<0.01	<0.05	<0.04	<0.05	<0.005	<0.015	<0.002

As special request CSB also can supply the strong cast bronze of special high hardness HB>270,HB>300
同时CSB可以根据客户的特别要求提供HB>270及HB>300的特高硬铜材料

Solid Lubricants 固体润滑剂

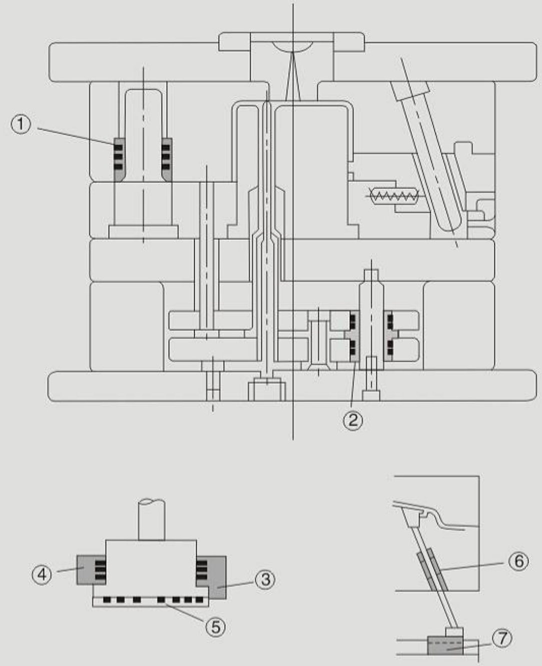
Lubricant 固体润滑剂	Features 特性	Typical application 典型用途
SI1 Graphite+add 高纯石墨+添加剂	Excellent resistance chemical attacks and low friction.Temp limit 400℃ 很好的耐磨性和化学稳定性,使用温度400℃	Suite for general machines and under atmosphere 适用于一般机械,在大气中使用
SL4+MOS2 PTFE+MOS2+CF	Lowest in friction and good of water lubrication,Temp.limit 300℃ 极底的摩擦系数和很好的水润滑性,使用温度300℃	Ship,hydraulic turbine,gas turbine etc. 适用于水、海水润滑，如船舶，水工弧门，水轮机，制药饮料机械等。

自潤滑軸承在模具上的應用

OILLESS BEARINGS APPLICATON FOR MOULDING

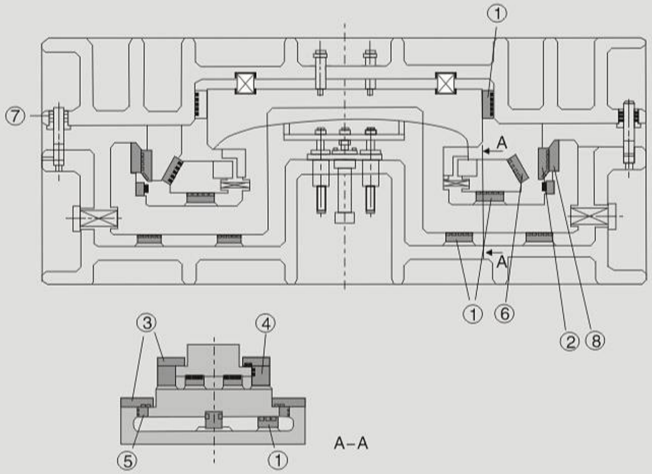
Injection Moulding 注塑模

1.Guide Bushes导套：
JGB JGBF
2.Ejector Guide Bushes射出座导套：
JEGB，JEGB-K，JDB650
3.Guide Rail导轨：JGL,JGLX
4.Guide Block导向块：JGBX
5.Lower Plate 下滑板：SP,JRP
JOLP,JOML,JTWP
6.Guide Bushes导套:JDB6507
7.JOCU-S模架

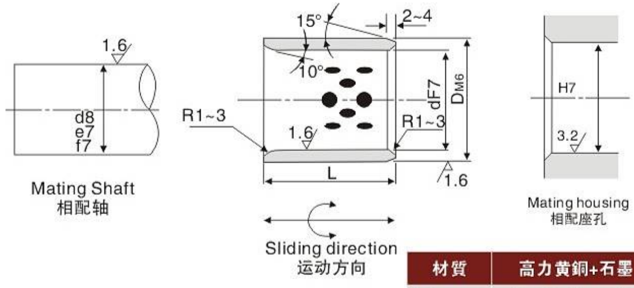


Cam Flange Die 翻邊模

1.Wear Plate 滑板：JESW,JESF,
JMWP,JTWP,JUWP JRP
2.Cam Stroke Plate
凸轮行程用滑板：JSPW,JPWS
3.Cam Upper Plate凸轮上滑板：
JCUW,JCUF,JCUP,JOPW,
JOPS
4.Cam Side Block凸轮侧滑块：
JCSR
5.Cam Side Plate 凸轮侧滑板：
JMWP，JTP，JSDP
6.Cam Positive Return Plate
凸轮退回滑板：JPRP
7.Guide Post Bushes
导柱衬套:GB650,GB250
8.Cam Stroke Plate
凸轮行程用滑板：JSPS，JPSS



自潤軸套 OILLESS CYLINDRICAL BUSHES

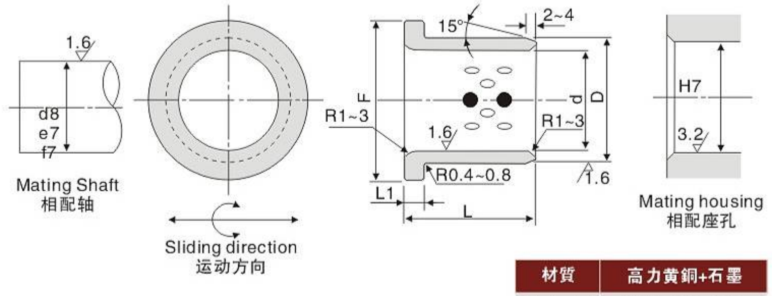


材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	d		D		L 8	10	12	15	16	20	25	30	35	40	50	60	70	80	100	120	130	140	150
JH098	8	+0.028 +0.013	12	+0.018 +0.007	○	○	○	○															
	10		14		○	○	○	○		○													
	12	+0.034 +0.016	18			○	○	○	○	○	○	○											
	13		19	+0.021 +0.008		○		○	○														
	14		20			○	○	○		○	○	○											
	15		21			○	○	○	○	○	○	○											
	16		22			○	○	○	○	○	○	○	○	○									
	18		24				○	○	○	○	○	○	○	○									
	20	+0.041 +0.020	28			○	○	○	○	○	○	○	○	○	○								
	22		32	+0.025 +0.009			○	○		○	○												
	25		33				○	○	○	○	○	○	○	○	○	○							
	30		38				○	○		○	○	○	○	○	○	○							
	35	+0.050 +0.025	45							○	○	○	○	○	○	○							
	40		50							○	○	○	○	○	○	○	○	○					
	45		55	+0.030 +0.011								○	○	○	○	○							
	45		60									○	○	○	○	○	○	○					
	50		62									○	○	○	○	○	○						
	50		65									○		○	○	○	○	○	○				
	50		70											○	○	○	○						
	55	+0.060 +0.030	74									○	○	○	○	○	○	○					
	60		75									○	○	○	○	○	○	○	○				
	63		75													○	○	○					
	65		80												○	○	○	○					
	70		85	+0.035 +0.013									○	○	○	○	○	○	○				
	70		90												○	○	○	○					
	75		90													○	○	○	○				
	75		95													○	○	○	○				
	80		96											○	○	○	○	○	○	○			
	80		100											○	○	○	○	○	○	○		○	
	90	+0.071 +0.036	110									○			○	○	○	○	○	○			
	100		120													○	○	○	○	○		○	
	110		130	+0.040 +0.015														○	○	○			
	120		140															○	○	○		○	
	125	+0.083 +0.043	145																○	○			
	130		150																○		○		
	140		160																○			○	
	150		170																○				○
	160		180																○				○

Order: Catalog No. d × D × L

自潤翻邊軸套 OILLESS FLANGE BUSHES

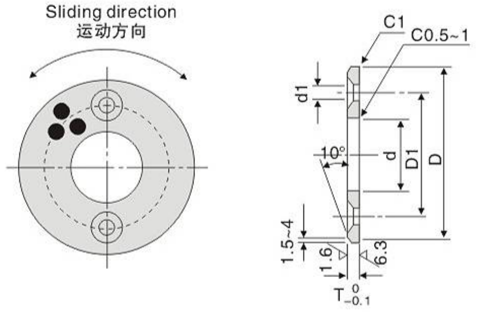


材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	d		D		F	L1 −0.10	L $^{-0.10}_{-0.30}$ 15	20	25	30	35	40	50	60	80	100
JH099	10	+0.040 +0.025	14	+0.034 +0.023	22	2	○	○								
	12	+0.050 +0.032	18		25	3	○	○								
	13		19	+0.041 +0.028	26		○	○								
	14		20		27		○	○								
	15		21		28		○	○	○	○						
	16		22		29		○	○	○	○						
	20	+0.061 +0.040	30		40	5	○	○	○	○		○				
	25		35	+0.050 +0.034	45		○	○	○	○		○				
	30		40		50			○	○	○	○	○	○			
	31.5	+0.075 +0.050	40		50			○			○					
	35		45		60			○		○		○	○			
	40		50		65			○		○		○	○			
	45		55	+0.060 +0.041	70					○		○	○	○		
	50		60		75					○		○	○	○		
	55	+0.090 +0.060	65		80							○		○		
	60		75	+0.062 +0.043	90	7.5						○	○		○	
	63		75		85										○	
	70		85	+0.073 +0.051	105								○		○	
	75		90		110									○		
	80		100		120	10								○	○	○
	90	+0.107 +0.072	110	+0.076 +0.054	130									○	○	
	100		120		150										○	○
	120		140	+0.088 +0.063	170										○	○

Order: Catalog No. d × D × L

止推墊片 OILLESS THRUST WASHERS

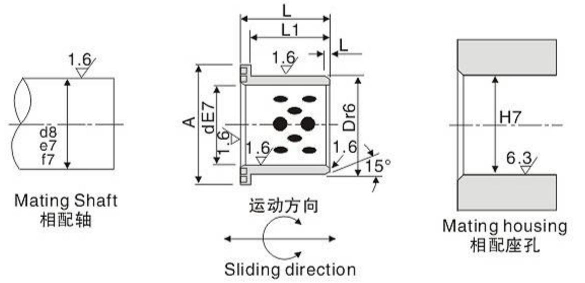


材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.		D	$T^{0}_{-0.1}$	(螺栓孔)Bolt			
Type	d			D1	Qty	Size	d1
JH100	10.2	30	3	—	—	—	—
	12.2	40		28	2	M3	3.5
	13.2						
	14.2						
	15.2	50		35			
	16.2						
				—	—	—	—
	18.2			35	2	M3	3.5
	20.2		5			M5	6
				—	—	—	—
	25.2	55		40	2	M5	6
				—	—	—	—
	30.2	60		45	2	M5	6
	35.2	70		50			
	40.2	80	7	60		M6	7
	45.2	90		67.5			
	50.3	100	8	75	4		
	55.3	110		85			
	60.3	120		90		M8	9
	65.3	125	10	95			
	70.3	130		100			
	75.3	140		110			
	80.3	150		120			
	90.3	170		140		M10	11
	100.5	190		160			
	120.5	200		175			

●Order: Catalog No. d

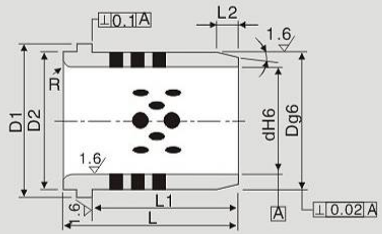
自潤翻邊軸套 OILLESS FLANGE BUSHES



材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.			D		A	L1	L
Type	d						
JH101	12	+0.050 / +0.032	18	+0.034 / +0.023	25	11	15
	16		22	+0.041 / +0.028	30	15	20
	20	+0.061 / +0.040	28		36	20	25
	25		33	+0.050 / +0.034	43	25	30
	30	+0.075 / +0.050	38		48	30	35
	40		50		60	40	45
	50		62	+0.060 / +0.041	75	49	55
	60	+0.090 / +0.060	75	+0.062 / +0.043	90	58	65

訂購方法：代號 d×L

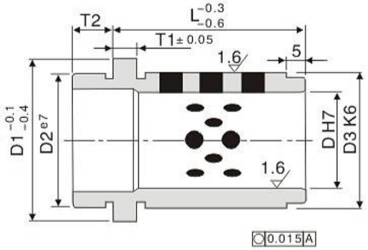


材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.			D		D1	D2	L	L1	L2	R
Type	d									
JH102	32	+0.016 / 0	40	−0.009 / −0.025	50	40	50	40	4	3
	40		50		63	50	63	50	5	3
	50		63	−0.010 / −0.029	71	63	71	56	6	5
	63	+0.019 / 0	80		90	80	80	63	8	6
	80		100	−0.012 / −0.034	112	100	100	80	10	8
	100	+0.022 / 0	125	−0.014 / −0.039	140	125	125	106	12	10
	115		140		155	140	140	120	12	10

●Order: Catalog No. d × L

自潤翻邊軸套 OILLESS FLANGE BUSHES



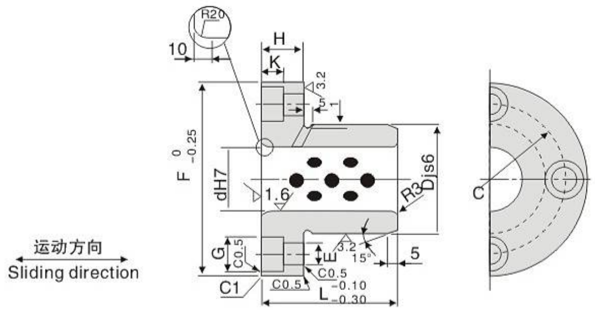
材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	D	T1	T2	D1	D2	D3	L 12	17	22	27	36	46	56	66	76	86	96	116	136	156
JH103	9	3	3	16	14	14	○	○	○	○	○									
	10						○	○	○	○	○									
	14	6	6	25	20	20		○	○	○	○	○	○							
	15							○	○	○	○	○	○							
	18		8	31	26	26		○	○	○	○	○	○	○						
	20							○	○	○	○	○	○	○						
	22			36	30	30		○	○	○	○	○	○	○	○	○				
	24							○	○	○	○	○	○	○	○	○				
	30			47	42	42				○	○	○	○	○	○	○	○	○		
	32									○	○	○	○	○	○	○	○	○		
	40	10	12	60	54	54						○	○	○	○	○	○	○	○	○
	42											○	○	○	○	○	○	○	○	○

Order: Catalog No. D×L

自潤導向套/自潤球鉸 锦鸿 JH

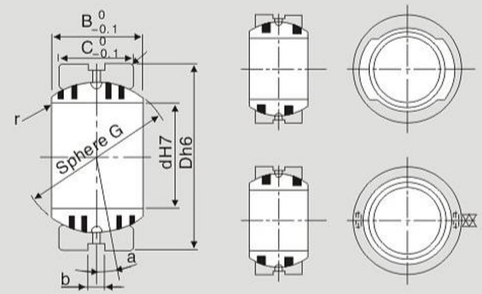
OILLESS GUIDE BUSHES/OILLESS SPHERICAL PLAIN BEARING



材質	FC250鑄鐵+石墨
Material	250#+Graphite

Catalog No. Type	d	D	F	H	L	C	E	G	K
JH104	30	50	90	20	50	70	11	17.5	10.8
	40	60	100		65	80			
	50	75	125		80	100			
	60	85	135		100	110			
	80	110	170	25	130	140	14	20	13
	100	130	190		160	150			

●Order: Catalog No. d

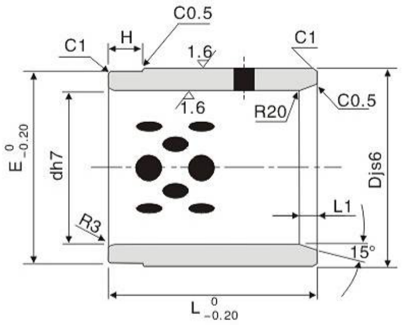


Lnner ring	Material	650#+Gr
Outer ring	Material	S45C
	Hardness	HRC25~30

Method of installing Inner ring:
Type A:JDBS-15~90
Insertion by splitting
Recommend shaft & housing:
Housing:H7
Shaft:g6
For common use

Catalog No. Type	d	D	B	C	G	C1	b	Aligning angle 調整角度a°	TYPE
JH105	15	26	12	9	22	R0.5	4	8	A
	20	32	16	14	28			4	
	25	42	21	18	36			5	
	30	50	27	23	44	R1		6	
	35	55	30	26	49			5	
	40	62	33	28	55			6	
	50	80	42	36	70			5	
	60	100	53	45	90			6	
	70	110	58	50	99			5	
	80	130	70	60	115			6	
	90	140	76	65	125				
	100	160	88	75	145				B

Order: Catalog No. d



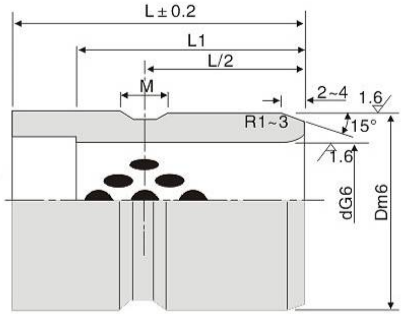
运动方向
Sliding direction

材質	高力黃銅+石墨
Material	650#+Graphite

材質	FC250鑄鐵+石墨
Material	250#+Graphite

Catalog No.		D	L	E	H	L1
Type	d					
JH106	30	50	50	49		5
	40	60	60	59		
	50	70	75	69	15	
	60	80	90	79	20	10
	80	100	120	99	25	
	100	120	150	119		
	120	140	180	139		

●Order: Catalog No. d



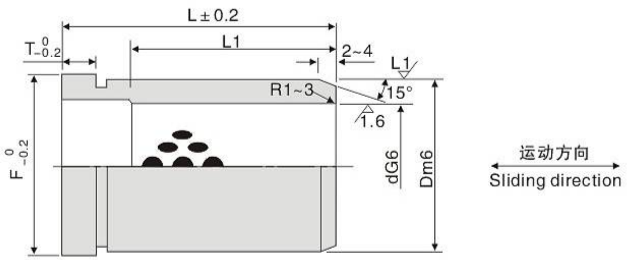
运动方向
Sliding direction

材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No.			D		L	L1	M
Type	d						
JH107	12	+0.017 +0.006	18	+0.018 +0.007	9	9	—
					14	14	4
					19	19	
					24	24	
	13		20	+0.021 +0.008	14	14	
					19	19	
					24	24	6
					29	29	
					34	30	
	16		25		14	14	4
					19	19	
					24	24	6
					29	29	
					34	34	
					39	35	
	20	+0.020 +0.007	30		14	14	4
					19	19	
					24	24	6
					29	29	
					34	34	
					39	39	
					49	40	
	25	+0.020 +0.007	35	+0.025 +0.009	24	24	8
					29	29	
					34	34	
					39	39	
					49	49	
					59	50	
	30		42		29	29	
					34	34	
					39	39	
					49	49	
					59	59	
					69	60	
					79		

●Order: Catalog No. d × L

Catalog No.			D		L	L1	M
Type	d						
JH107	35	+0.025 +0.009	48	+0.025 +0.009	29	29	8
					34	34	
					39	39	
					49	49	
					59	59	
					69	69	
					79	70	
	40		55	+0.030 +0.011	39	39	8
					49	49	
					59	59	
					69	69	
					79	79	
					89	80	
	50		70		49	49	
					59	59	
					69	69	
					79	79	
					89	89	
					99	90	
	60	+0.029 +0.010	80	+0.030 +0.011	59	59	
					69	69	
					79	79	
					89	89	
					99	90	
					109		
	70		90	+0.035 +0.013	69	69	
					79	79	
					89	89	
					99	99	
					109	100	
					119		
	80		100		69	69	
					79	79	
					89	89	
					99	99	
					109	100	
					119		

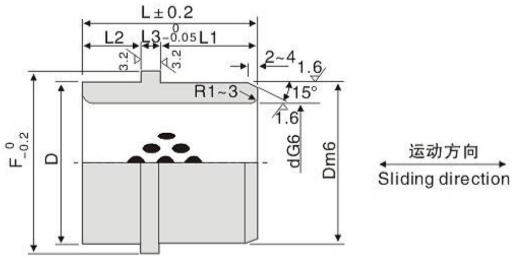


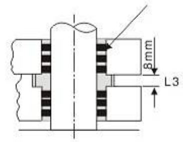
材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	d		D		F	T	L	L1
JH108	12	+0.017 +0.006	18	+0.025 +0.009	25	4	19	19
							24	24
							29	29
							34	34
	13		20	+0.021 +0.008		5	19	19
							24	24
							29	25
							34	
							39	
	16		25		30	6	19	19
							24	24
							29	29
							34	30
							39	
							49	
	20	+0.020 +0.007	30		35	8	19	19
							24	24
							29	29
							34	34
							39	39
							49	40
							59	
	25	+0.020 +0.007	35	+0.025 +0.009	40	8	24	24
							29	29
							34	34
							39	39
							49	49
							59	50
							69	
	30		42		47	10	29	29
							34	34
							39	39
							49	49
							59	59
							69	60
							79	

●Order: Catalog No. d × L

Catalog No. Type	d		D		F	T	L	L1
JH108	35	+0.025 +0.009	48	+0.025 +0.009	54	10	39	39
							49	49
							59	59
							69	69
							79	70
							89	
							99	
	40		55	+0.030 +0.011	61	10	39	39
							49	49
							59	59
							69	69
							79	79
							89	80
							99	
							109	
	50		70		76	12	49	49
							59	59
							69	69
							79	79
							89	89
							99	90
							109	
							119	
	60	+0.029 +0.010	80		86	15	99	99
							109	109
							119	110
							129	
							149	
	70		90	+0.035 +0.013	96	15	99	99
							109	109
							119	119
							129	120
							149	
	80		100		108	15	99	99
							109	109
							119	119
							129	120
							149	

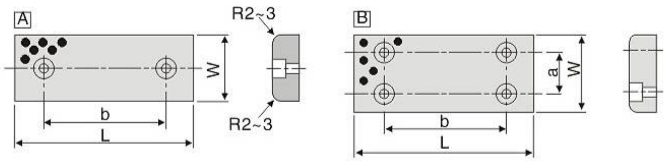


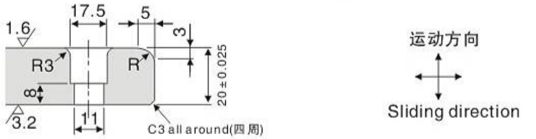


材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	d		D		F	L	L1	L2	L3
JH109	10	+0.014 +0.005	16	0 −0.011	21	24	10	10	4
						28	14		
	12	+0.017 +0.006	18			26	12		
						28	14		
	13		22	0 −0.013	25	26	12		
						28	14		
						33	19		
						38	24		
	16		25		30	26	12		
						28	14		
						33	19		
						38	24		
	20	+0.020 +0.007	30		35	26	12		
						28	14		
						33	19		
						38	24		
	25		35	0 −0.016	40	26	12		
						28	14		
						33	19		
						38	24		
	30		40		45	33	14	15	
						38	19		
						43	24		
	32	+0.025 +0.009	42		47	38	19		
						43	24		
						48	29		
	35		46	0 −0.019	50	38	19		
						43	24		
						48	29		
	40		52		57	48	24	20	
						53	29		
	50		62		67	48	24		
						53	29		
JH109-1	30	+0.020 +0.007	42	0 −0.016	47	37	14	15	8
						42	19		
						47	24		
						52	29		
	40	+0.025 +0.009	55	0 −0.019	60	53	20	25	
						57	24		
			50	0 −0.016	55	60	32	20	
			55	0 −0.019	60	67	29	30	
			50		55	70	42	20	
	50		62		67	67	29	30	
						87	39	40	
	60	+0.029 +0.010	74		82	67	29	30	
						87	39	40	

●Order: Catalog No. d × L



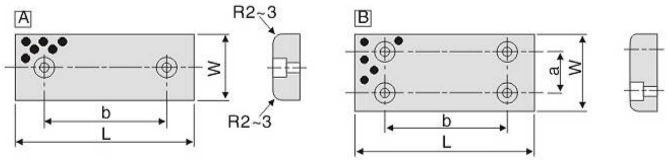


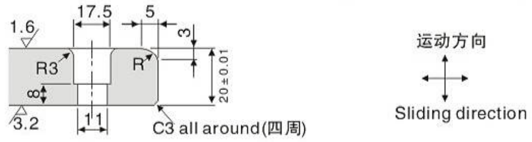
材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.		L	a	b	Sketch 圖示
Type	W				
JH110	28	75	—	45	A
		100		50	
		150		100	
	38	75	—	45	
		100		50	
		150		100	
	48	75	—	45	
		100		50	
		125		75	
		150		100	
		200		150	
	58	75	—	45	
		100		50	
		150		100	
	75	75	—	25	
		100		50	
		125		75	
		150		100	
		200		150	
	100	100	50	50	B
		125		75	
		150		100	
		200		150	
		250		200	
		300		200	
	125	125	50	75	
		150		100	
		200		150	
		250		200	
		300		200	
		350		200	
	150	150	100	100	
		200		150	
		250		200	

●Order: Catalog No. W × L

無給油零件 Oil free components

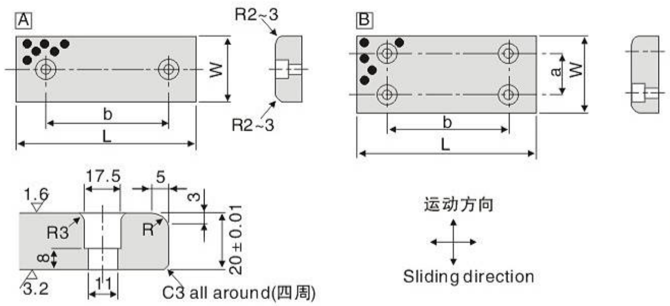




材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.		L	a	b	Sketch 圖示
Type	W				
JH111	48	75	—	45	A
		100		50	
		125		75	
		150		100	
		200		150	
	75	75	—	25	
		100		50	
		125		75	
		150		100	
		200		150	
		250		200	
	100	100	50	50	B
		125		75	
		150		100	
		200		150	
		250		200	
		300		200	
	125	125	50	75	
		150		100	
		200		150	
		250		200	
		300		200	
	150	150	100	100	
		200		150	
		250		200	

●Order: Catalog No. W × L

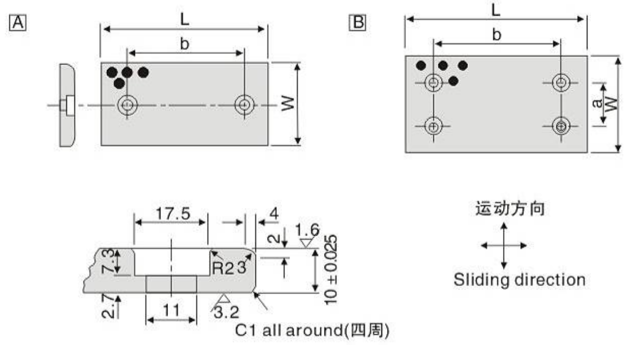


材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	W	L	a	b	Sketch 圖示
JH112	28	75	—	45	A
		100		50	
		125		75	
		150		100	
		200		150	
	38	75	—	45	
		100		50	
		125		75	
		150		100	
		200		150	
	48	75	—	45	
		100		50	
		125		75	
		150		100	
		200		150	
	58	75	—	45	
		100		50	
		150		100	
	75	75	—	25	
		100		50	
		125		75	
		150		100	
		200		150	
	100	100	50	50	B
		125		75	
		150		100	
		200		150	
		250		200	
	125	125	50	75	
		150		100	
		200		150	
		250		200	
	150	150	100	100	
		200		150	
		250		200	
		300		250	
	200	200	150	150	
		250		200	
		300		250	

●Order: Catalog No. W × L

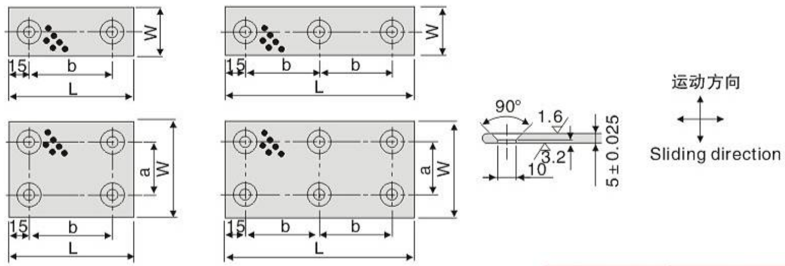
自潤滑板 OILLESS WEAR PLATE



材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	W	L	a	b	Sketch 圖示
JH113	28	75	—	45	A
		100		50	
		125		75	
		150		100	
	38	75	—	45	
		100		50	
		125		75	
		150		100	
	48	75	—	45	
		100		50	
		125		75	
		150		100	
		200		150	
	75	75	—	25	
		100		50	
		125		75	
		150		100	
		200		150	
	100	100	50	50	B
		125		75	
		150		100	
		200		150	
		250		200	
	125	150	50	100	
		200		150	
		250		200	
	150	1500	100	100	
		200		150	

●Order: Catalog No. W × L



材質Material	45C
硬度Hardness	HRC>40

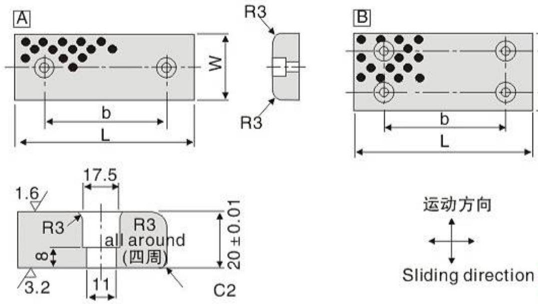
Catalog No. Type	W	L	a	b	Sketch 圖示
JH114	18	50	—	20	A
		75		45	
		100		70	
		150		60	B
	28	50	—	20	A
		75		45	
		100		70	
		150		60	B
	38	50	—	20	A
		75		45	
		100		70	
		150		60	B
	48	75	—	45	A
		100		70	
		125		95	
		150		60	B
	75	75	45	45	C
		100		70	
		125		95	
		150		60	D
	100	100	70	70	C
		125		95	
		150		60	D

●Order：Catalog No. W×L

自潤滑板 OILLESS WEAR PLATE

锦鸿 JH

無給油零件 Oil free components



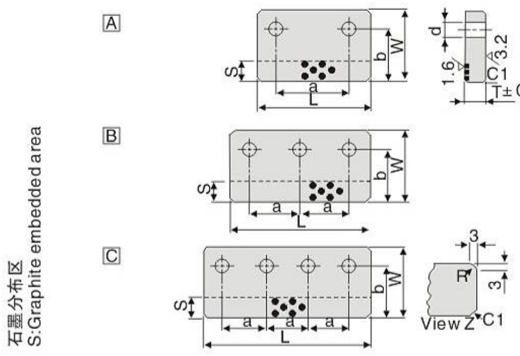
材質Material	45C
硬度Hardness	HRC>40

Catalog No. Type	W	L	a	b	Sketch 圖示
JH115	48	75	—	45	A
		100		50	
		125		75	
		150		100	
		200		150	
	75	75	—	25	
		100		50	
		125		75	
		150		100	
		200		150	
	100	100	50	50	B
		125		75	
		150		100	
		200		150	
		250		200	
	125	125	50	75	
		150		100	
		200		150	
		250		200	
	150	150	100	100	
		200		150	
		250		200	

●Order：Catalog No. W×L

JH115以45#钢为基体，在其工作表面嵌入固体润滑剂，以达到自我润滑的目的，表面硬度达到HRC40以上。

JH115 oilless wear plate use 45#Carbon steel as their base material and have findly finished Surface with holes in which a specially formulated solid lubricant is embedded.The surface hardness can over to HRC40.



材質 Material	
	650#+Graphite(650#+石墨)
	250#+Graphite(FC250+石墨)
	45C+Graphite(45C+石墨)HRC>40

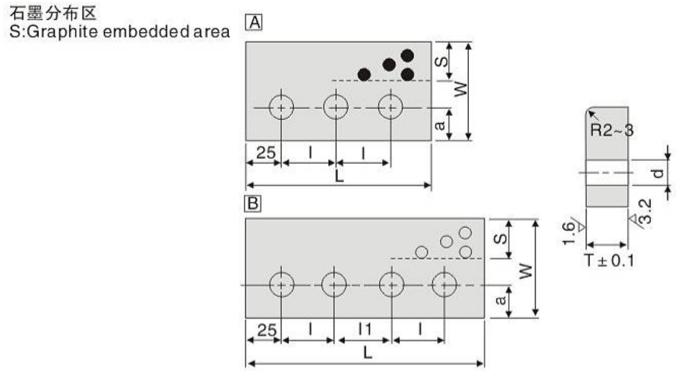
Catalog No. Type	W	L	T	a	b	d	S	Sketch 圖示
JH116	70	160	25	110	50	18	25	A
		200		75			30	B
		240		90				
	85	200	28	75	60	22		
		240		90				
		300		80				C
		350		90				
JH116-1	70	160	25	110	50	18	25	A
		200		75			30	B
		240		90				
	85	200	28	75	60	22		
		240		90				
		300		80				C
		350		90				
	100	200		75	70			B
		240		90				
		300		80				A
		350		90				
JH116-2	70	160	25	110	50	18	25	A
		200		75			30	B
		240		90				
	85	200	28	75	60	22		
		240		90				
		300		80				C
		350		90				
	100	200		75	70			B
		240		90				
		300		80				C
		350		90				

●Order：Catalog No. W × L

JH116以高力黄铜650#为基体，在其工作表面嵌入固体润滑剂，**JH116-1**以FC250铸铁为基体，表面镶嵌固体滑润剂。**JH116-2**以45#碳钢为基体，表面镶嵌固体润滑剂。

JH116 use 650# as base material with solid lubricant. **JH116-1** use FC250 casting iron as base material with solid lubricant. **JH116-2** use 45#carbon steel as base material with solid lubricant.

凸輪上滑板 OILLESS CAM UPPER PLATE



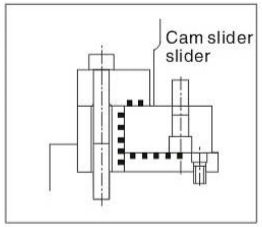
材質	高力黄銅+石墨
Material	650#+Graphite

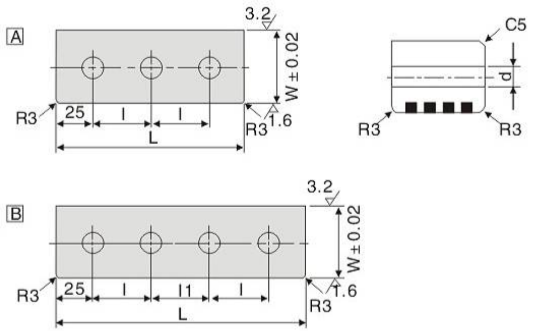
材質	FC250鑄鐵+石墨
Material	250#+Graphite

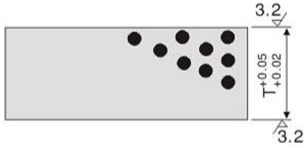
Catalog No. Type	T	L	W	l	l1	a	S	d	Sketch 圖示
JH117	20	150	52	50	–	20	12	13	A
		200		75					
		250			50				B
	30	150	72	50	–	25	22	18	A
		200		75					
		250			50				B
	35	150	77	50	–		27		A
		200		75					
		250			50				B
	40	150	82	50	–		32		A
		200		75					
		250			50				B
		150	105	50	–				A
		200			50				B
		250		75					
JH117-1	20	150	52	50	–	20	12	13	A
		200		75					
		250			50				B
	30	150	72	50	–	25	22	18	A
		200		75					
		250			50				B
	35	150	77	50	–		27		A
		200		75					
		250			50				B
	40	150	82	50	–		32		A
		200		75					
		250			50				B
		150	105	50	–				A
		200			50				B
		250		75					

●Order：Catalog No. T × L × L

無給油零件 Oil free components



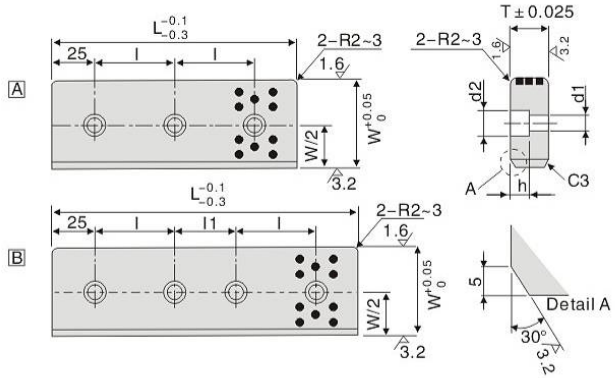




材質	FC250鑄鐵+石墨
Material	250#+Graphite

Catalog No. Type	T	L	W	l	l1	d	Sketch 圖示
JH118	40	150	40	50	—	13	A
		200		75			
		250			50		B
	55	150	50	50	—	20	A
		200		75			
		250			50		B
	70	150	50	50	—	20	A
		200		75			
		250			50		B
	30	150	40	50	—	14	A
		200		75			
		250			50		B
	45	150	50	50	—	20	A
		200			50		B
		250		75			
	60	150	50	50	—	20	A
		200		75			
		250			50		B

●Order：Catalog No.$\boxed{T}$×$\boxed{L}$

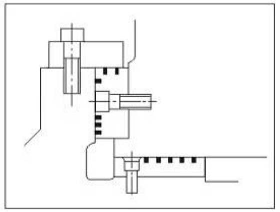


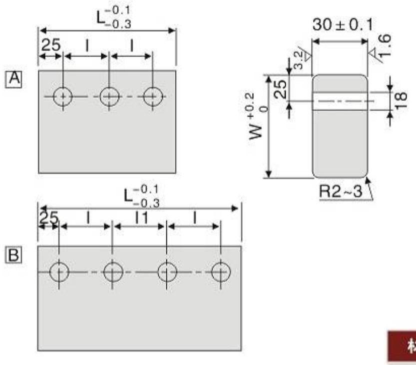
材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	T	W	L	l	l1	Sketch 圖示	d1	d2	h
JH119	20	50	150	50	—	A	11	17.5	12
			200	75	—				
			250	75	50	B			
		75	150	50	—	A			
			200	75	—				
			250	75	50	B			
	35	50	150	50	—	A	13	20	15
			200	75	—				
			250	75	50	B			
		75	150	50	—	A			
			200	75	—				
			250	75	50	B			

●Order：Catalog No.$\boxed{T}$×$\boxed{L}$×$\boxed{W}$

凸輪上滑板 OILLESS CAM UPPER PLATE



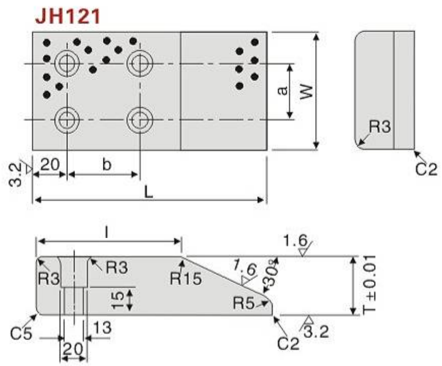


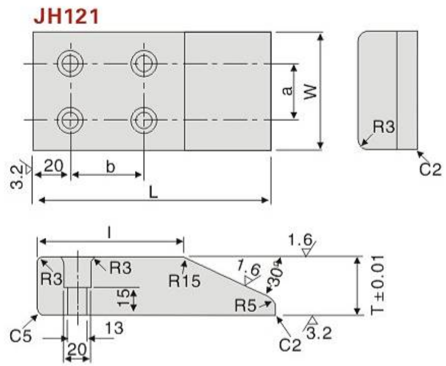
材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	W	L	l	l1	Sketch 圖示
JH120	67	150	50	—	A
		200	75	—	
		250	75	50	B
	82	150	50	—	A
		200	75	—	
		250	75	50	B

●Order：Catalog No. W×L

凸輪行程滑板 OILLESS STROKE PLATE





运动方向
Sliding direction

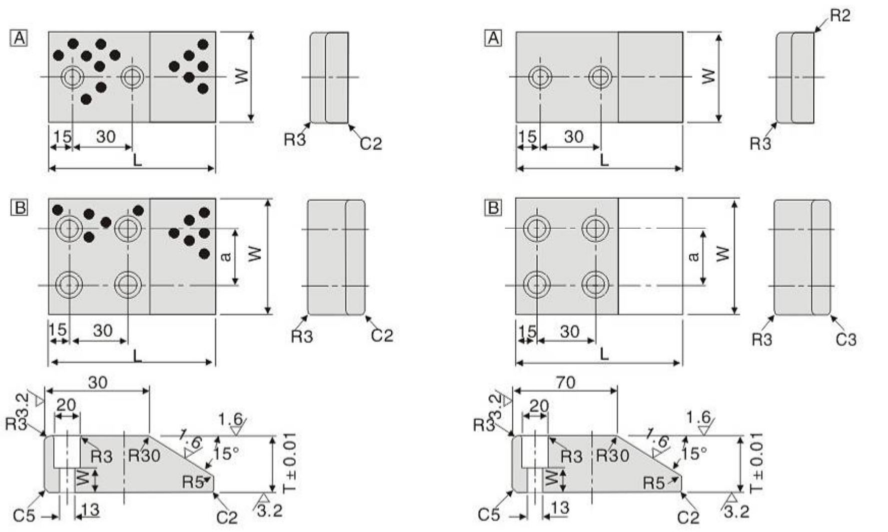
材質	高力黄銅+石墨
Material	650#+Graphite

材質	FC250鑄鐵+石墨
Maletral	250#+Graphite

Catalog No. Type	W	L	T	l	a	b
JH121 JH121-1	75	130	30	95	40	50
		150	45	90		45
		170	60			
		200		120		75
	100	130	30	95	60	50
		150	45	90		45
		170	60			
		200		120		75
	125	130	30	95	85	50
		150	45	90		45
		170	60			
		200		120		75
	150	130	30	95	110	50
		150	45	90		45
		170	60			
		200		120		75

●Order：Catalog No. W×L

凸輪行程滑板 OILLESS STROKE PLATE



运动方向
Sliding direction

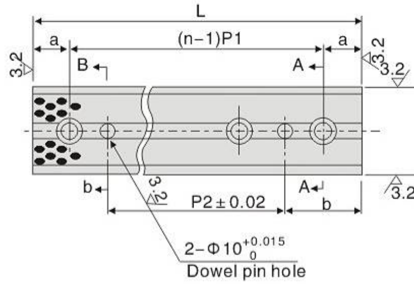
材质	高力黄铜+石墨
Material	650#+Graphite

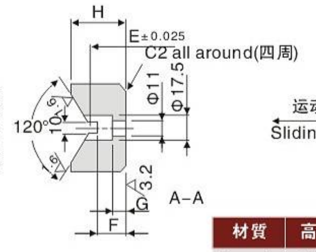
材质 Material	45C
硬度 Hardness	HRC>45

Catalog No. Type	T	L	W	a	Sketch 圖示
JH122	50	110	25	——	A
		130	30		
		150	35		
	75	110	25	40	B
		130	30		
		150	35		
	100	110	25	60	
		130	30		
		150	35		

●Order：Catalog No. W×L

凸輪底部導板 OILLESS CAM BOTTOM GUIDE PLATE



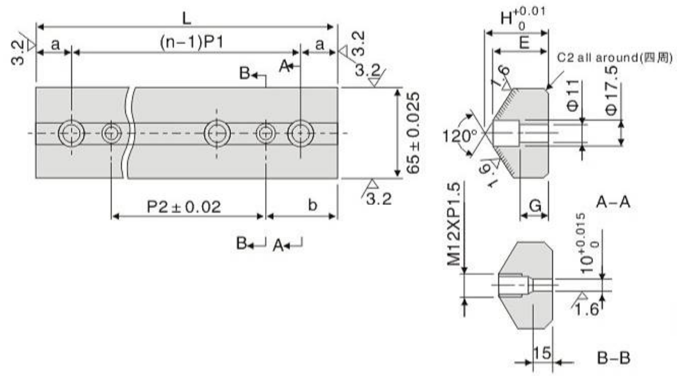


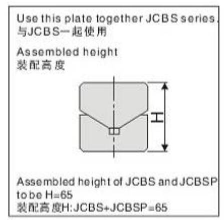
运动方向
Sliding direction

材質	高力黄铜+石墨
Material	650#+Graphite

Catalog No. Type	L	H	E	F	G	a	P1	Bolt螺栓 n	b	P2
JH123	100	35	18	15	8	20	60	2	40	20
	150					25	50	3	50	50
	200							4		100
	250							5		150
	300							6		200

●Order：Catalog No. L



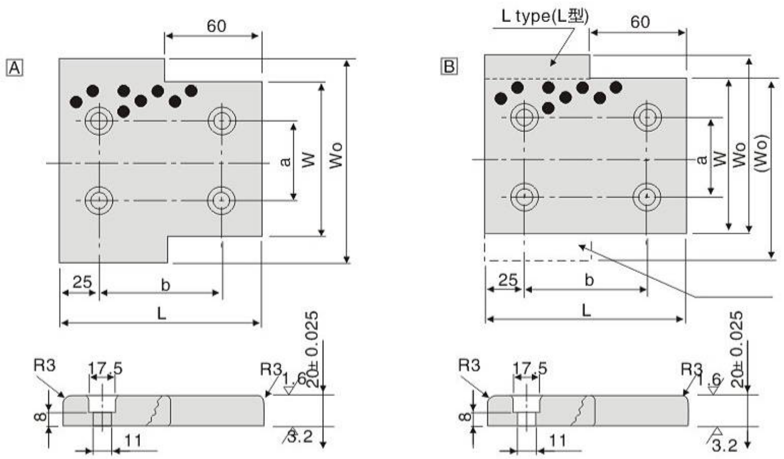


材质	45C
Hardness	>HRC45

Catalog No. Type	L	H	E	G	a	P1	Bolt螺栓 n	b	P2
JH124	100	47	44	20	20	60	2	40	20
	150				25	50	3	50	50
	200						4		100
	250						5		150
	300						6		200

●Order：Catalog No. L

凸輪退回滑板 OILLESS CAM POSITIVE RETURN PLATE

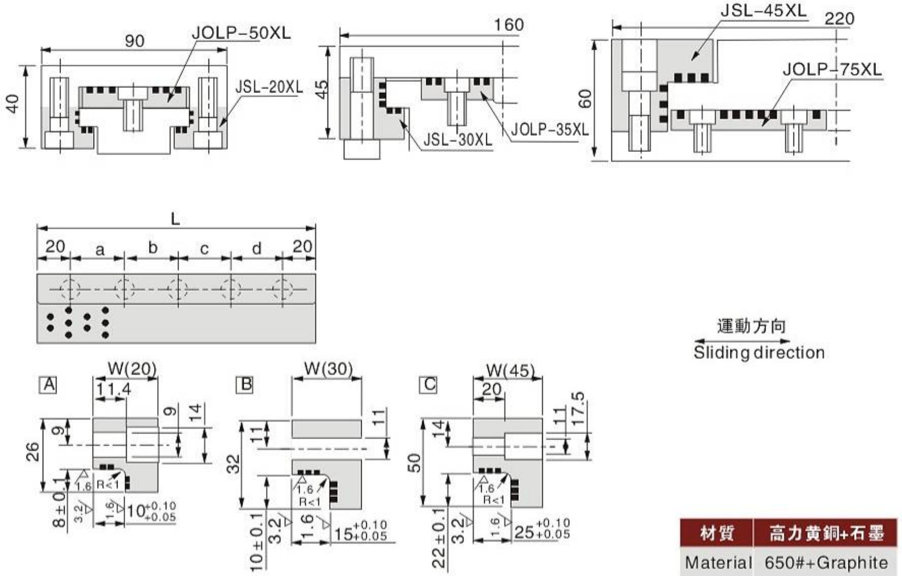


材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No.		L	Wo	a	b	Sketch 圖示
Type	W					
JH125	100	125	130	50	75	A
		150			100	
	125	150	155	75	100	
		200			150	
		250			200	
	150	200	180	100	150	
		250			200	
JH125-1	100	125	115	50	75	B
		150			100	
	125	150	140	75	100	
		200			150	
		250			200	
	150	200	165	100	150	
		250			200	

●Order：Catalog No. W×L

L型自潤滑板 OILLESS L SHAPED PLATE

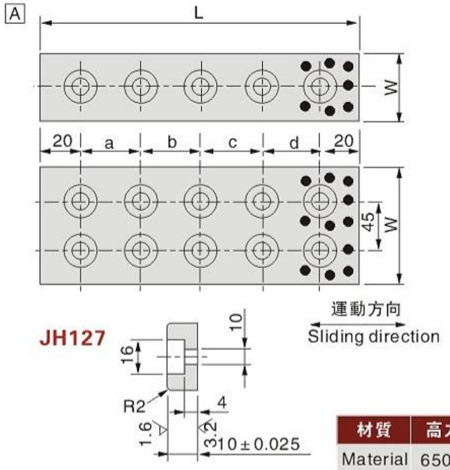


材質	高力黄銅+石墨
Material	650#+Graphite

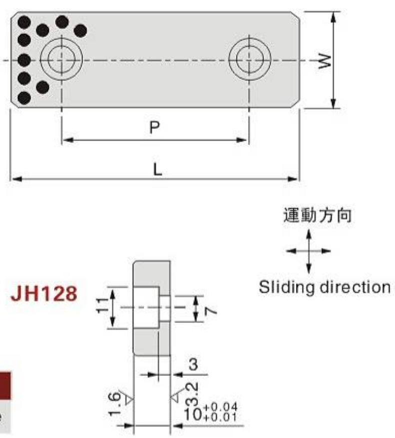
Catalog No.		L	Bolt location螺栓位置				Bolt螺栓		Sketch 圖示
Type	W		a	b	c	d	Type規格	O' ty數量	
JH126	20	100	60	–	–	–	M8	2	A
		150	55	55	–	–		3	
		200	55	50	55			4	
	30	100	60	–	–	–	M10	2	B
		150	55	55	–	–		3	
		200	55	50	55			4	
		250	70	70	70	–		4	
	45	200	55	50	55			4	C
		250	70	70	70	–		4	
		300	65	65	65	65		5	
		350	80	75	75	80		5	

●Order：Catalog No. W×L

自潤滑板 OILLESS SLIDE PLATE



JH127



JH128

材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	W	L	Bolt location螺栓位置 a	b	c	d	Bolt螺栓 Type規格	Q'ty數量	Sketch 圖示
JH127	35	100	60	–	–	–	M8	2	A
		150	55	55	–	–		3	
		200	55	50	55	–		4	
		250	70	70	70	–		4	
		300	65	65	65	65		5	
		350	80	75	75	80		5	
	50	100	60	–	–	–		2	
		150	55	55	–	–		3	
		200	55	50	55	–		4	
		250	70	70	70	–		4	
		300	65	65	65	65		5	
		350	80	75	75	80		5	
	75	150	110	–	–	–		4	B
		200	80	80	–	–		6	
		250	105	105	–	–		6	
		300	85	90	85	–		8	
		400	120	120	120	–		8	
		500	115	115	115	115		10	

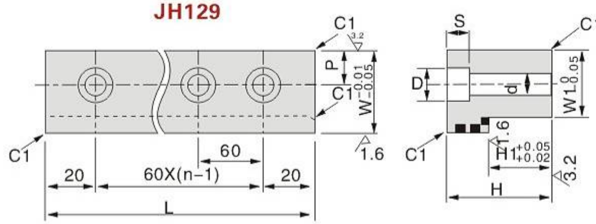
●Order：Catalog No. W x L

Catalog No. Type	W	L	P
JH128	18	75	45
		100	50
		125	75
		150	100
	28	75	45
		100	50
		125	75
		150	100
	38	75	45
		100	50
		125	75
		150	100
	48	75	45
		100	50
		125	75
		150	100

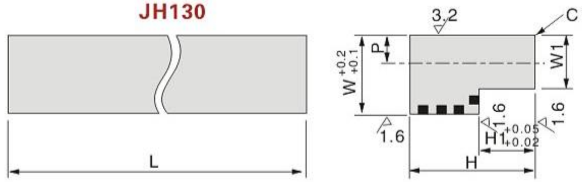
●Order：Catalog No. W x L

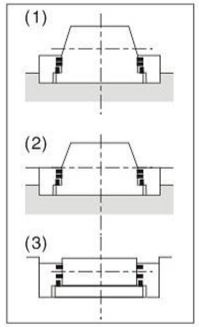
自潤導軌 OILLESS GUIDE RAIL

JH129



JH130





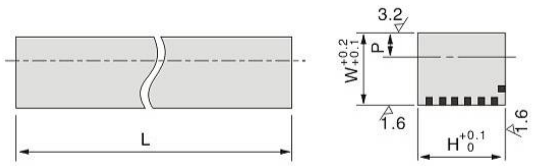
材質	高力黃銅+石墨
Material	650#+Graphite

Catalog No. Type	H	L	W	W1	H1	n	P	D	d	S
JH129	30	100	23	15	15	2	7.5	11	7	7
		160				3				
		220				4				
	41	100			26	2				
		160				3				
		220				4				
	25	100	28	20	10	2	10	18	11	13
		160				3				
		220				4				
	35	100			15	2				
		160				3				
		220				4				
	56	100			26	2	10	14	9	10
		160				3				
		220				4				

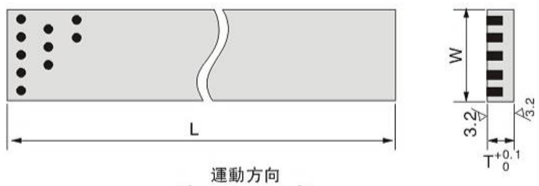
●Order：Catalog No. W x L

Catalog No. Type	W	H	W1	H1	L	Recom.bolt螺栓 P	Size規格
JH130	20	15	14.5	5	320	8	M8
		20					
		25					
		23		8			
		28					
	25	28	17.5	10		10	
		33					
		43					
	30	38	19	15			
		43					
		53					
	35	43	23			12	M10
		53		20			
		63					
	40	45	28			14	M12
		55					
		65					

●Order：Catalog No. W x H

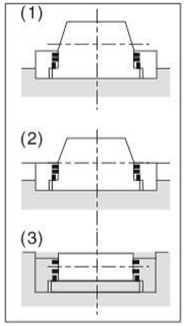


JH131



JH132

運動方向
Sliding direction



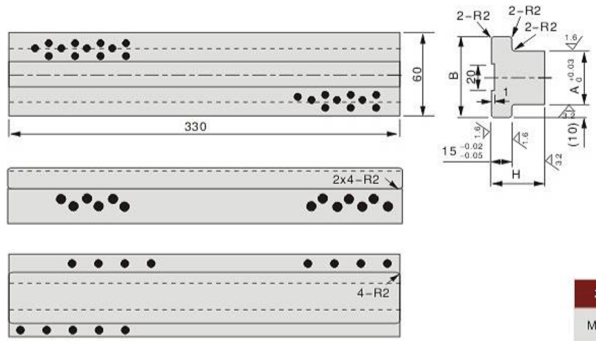
材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	W	H	L	Recom.bolt螺栓 P	Size規格
JH131	20	10	320	10	M8
		15			
		20			
	25	28	605		
		23			
		33			
	30	23			
		28			
		38			
	35	28		12	M10
		38			
		48			
	40	28		14	M12
		38			
		48			

●Order：Catalog No. W x H

Catalog No. Type	T	W	L	Recom.bolt螺栓
JH132	5.3	20	320	M6x10 Countersunk head screw
		25		
		30	400	
	10.3	35	605	M8x15Hex socket round head screw
		40		
		50		
	15.3	60		M10x20Hex socket bolt
		80		
	20.3	100		

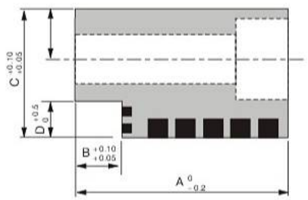
●Order：Catalog No. T x W x L



材質	高力黄銅+石墨
Material	650#+Graphite

Catalog No. Type	A	B	H
JH133	30	40	40
	40	50	50
	55	50	50

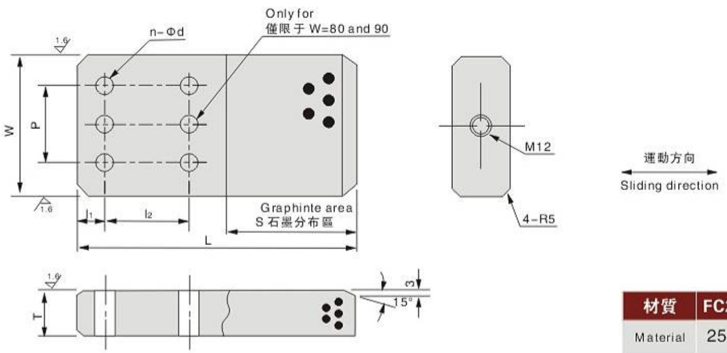
●Order：Catalog No. A



材質	45C
Hardness	>HRC45

Type	A	B	C	D	E
JH134-0x205	12	5	15	5	6
JH134-1x205	17	7	20		7.5
JH134-1x320					
JH134-2x205	22				
JH134-2x320					
JH134-3x205	27	10	28	8	11
JH134-3x320					
JH134-4x205	36				
JH134-4x320					
JH134-5x205	46				
JH134-5x320					
JH134-6x205	66	22	40	12	14
JH134-6x320	(56)				
JH134-7x205	86	26			
JH134-7x320	(76)				

●Order：Type

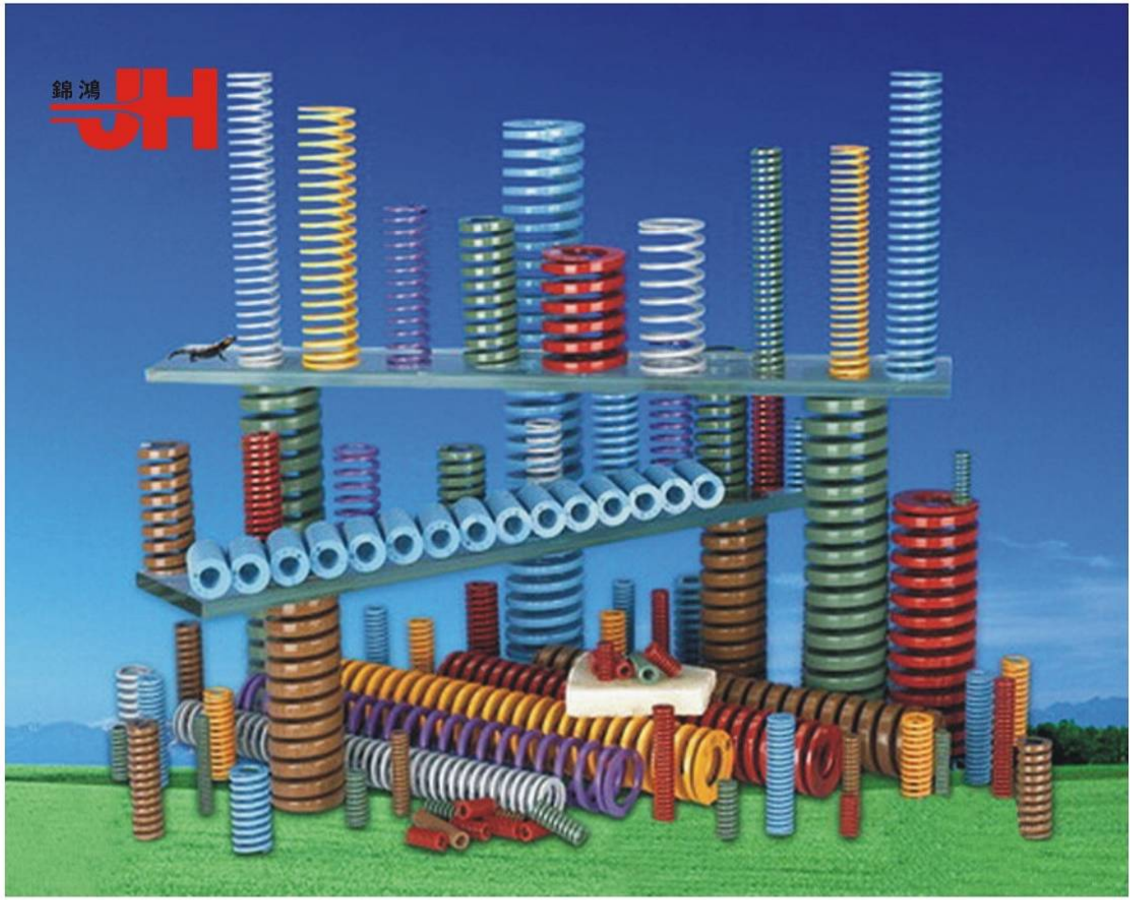


材質	FC250鑄鐵+石墨
Material	250#+Graphite

Catalog No. Type	W	W tolerance	L	T	S	l1	l2	P	n	d
JH135	80	0/−0.025	220	40	80	25	60	–	2	22
			260				70			
			300							
	120	0/−0.035	280	60	120		80	70	4	
			340				100			
			380							
	150	0/−0.040	340	75	130	30	110	100		26
			380							
			430							
	180	0/−0.046	340	90	140		130	120		
			380							
			430							
	90	0/−0.025	220	40	80	25	60	–	2	22
			260				70			
			300							
	130	0/−0.035	280	60	120		80	70	4	
			340				100			
			380							
	160	0/−0.040	340	75	130	30	110	100		26
			380							
			430							
	190	0/−0.046	340	90	140		130	120		
			380							
			430							

●Order：Catalog No. W x L

锦鸿弹簧系列



气大则咄咄催逼，终至气尽而衰
量大则气来顺受，终能气足而圆

使用模具彈簧之注意事項:

請參照下列產品之注意事項，可以安心的使用本公司產品。

■有關產品使用說明已在目錄中闡述

●內徑與外徑的尺寸：

指彈簧底部綫圈繞一周的內/外徑尺寸

●彈簧比率：

是指針對一個荷重值來計算出一個推理值，不贊成套用在總荷重值上使用

●彈簧荷重

以下這個事例充分說明了以彈簧比率爲基礎計算荷重值超出了實際測量的公差

規格	低荷重使用行程	高荷重使用行程	不能使用行程
DWF	40.0%行程	50.0%行程	超出50.0%高度
DWL	32.0%行程	40.0%行程	超出40.0%高度
DWM	25.6%行程	32.0%行程	超出32.0%高度
DWH	19.2%行程	24.0%行程	超出24.0%高度
DWB	16.0%行程	20.0%行程	超出20.0%高度
DWR	40.0% 行程	50.0% 行程	超出50.0%高度

■安裝及有效使用條件

●閉合狀態(極限行程)是參考尺寸，超過300,000次以上變形量請不要使用。如果將它使用到閉合狀態，可能會出現彎曲或失效的情況。

●在模具彈簧的安裝中，預壓占壓縮量的10%或更多(有效壓縮量),上模板有縫時使用，將導致產品的報廢或彎曲。

●模具彈簧在壓縮(彎曲)時產生壓縮數。

在作業中，彈簧總長超過外徑的4倍時，建議在內徑或外徑安裝一個導柱，可延長其使用壽命。

※導柱的使用

如果彈簧沒有使用導柱，根據彈簧的固定情況，會出現不穩定或彎曲的情況，采用內徑導柱是最佳的選擇。

※當使用內徑導柱時：

所固定的導柱的粗度應小于彈簧內徑1.0mm

※當使用外徑導柱時：

導柱內徑應大于彈簧外徑約1.5mm

※當使用一個導柱時：

導柱直徑應大于彈簧外徑約0.15mm

※在實際操作中導柱應長于底座

設置導柱的高度要高于彈簧的自由長度的1/2，維修大約在C3,依此法操作可延長其使用壽命。

●模具彈簧除了壓縮外不作其它用途，包括拉伸、扭轉，否則將出現變形、彎曲、作廢等情況。

●請不要用此種彈簧代替特殊性能彈簧使用，否則，可能會有意外事故發生或工作人員受傷。

●如果彈簧底部相平行不好時會出現高應力、變形、斷裂，一旦承重，彈簧會出現彎曲或報廢。

●有更多的問題請聯系我們。

■使用環境

●允許彈簧使用的溫度範圍

DWF，DWL，DWM，DWH，DWB，DWR：150℃~-30℃

DWML，DWMM，DWMH，DWMB，DWMV，DWMZ：100℃~-30℃

實際操作時，使用彈簧的環境溫度超過上列溫度，可能出現彈簧報廢、圈口彎曲等現象，也可以在大圓技術人員指道下使用。

●請不要在高温或潮濕環境下使用彈簧，否則極可能出現導致彈簧生銹，作廢，圈口變形或彎曲。

■周期性的檢查和貯藏

●如果有必要，應更新損耗過的舊彈簧

彈簧使用頻率過高，會導致兩端面部變形，因此，有必要定期更新，以保證彈簧的正常使用。

●保持無險作業

保證彈簧的無險作業，避開潮濕高熱的環境，留意任何可能導致彈簧毀損等情況的發生。

怎樣選擇模具彈簧

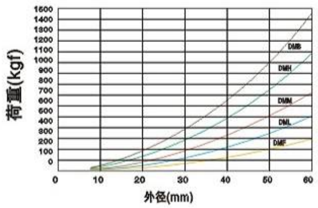
舉例：按所需荷重挑選彈簧型號

項目	①荷重	②彈簧外徑	③工作壽命	④彈簧內徑
內容	600 kgf	D 50mm	100萬次	48mm

- 請如右表所示將所需項從規格表中挑選出來。
- 請參考100萬次荷重曲綫圖。
- 通過垂綫軸上的600kgf荷重與橫綫軸上外徑D50所匯聚的交點，得知彈簧規格爲重荷重DWH
- 接下來，請找出重荷重的參照表，從100萬次工作壽命的竪列中找到變形量爲48mm。
- 你可以挑選出規格爲DWH50×250的模具彈簧，如下圖。

系 列	外徑	內徑	自由長度	定數	100萬次	
					變型量	荷重
DWH50×250	50	25	250	12.5	48	600

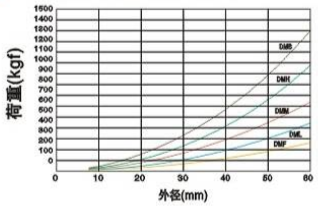
30萬次荷重曲綫圖



彈簧工作壽命與壓縮比關系圖

規格	工作壽命	300,000次
輕少荷重	DWF	50.0%自由長度
輕荷重	DWL	40.0%自由長度
中荷重	DWM	32.0%自由長度
重荷重	DWH	24.0%自由長度
極重荷重	DWB	20.0%自由長度

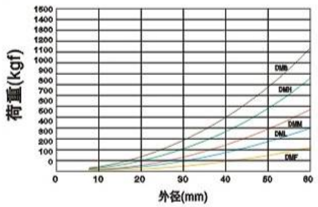
50萬次荷重曲綫圖



彈簧工作壽命與壓縮比關系圖

規格	工作壽命	500,000次
輕少荷重	DWF	45.0%自由長度
輕荷重	DWL	38.0%自由長度
中荷重	DWM	28.8%自由長度
重荷重	DWH	21.6%自由長度
極重荷重	DWB	18.0%自由長度

100萬次荷重曲綫圖



彈簧工作壽命與壓縮比關系圖

規格	工作壽命	1000,000次
輕少荷重	DWF	40.0%自由長度
輕荷重	DWL	32.0%自由長度
中荷重	DWM	25.6%自由長度
重荷重	DWH	19.2%自由長度
極重荷重	DWB	16.0%自由長度

锦鸿 JH

彈簧工作壽命與對應比率之關系圖

工作壽命 / 規格	100萬次（自由長）自由長度之百分比	50萬次（自由長）自由長度之百分比	30萬次（自由長）自由長度之百分比	最大限度（自由長）極限行程	顏色
輕少荷重	40.0%	45.0%	50.0%	約58.0%	黃色
輕荷重	32.0%	36.0%	40.0%	約48.0%	藍色
中荷重	25.6%	28.8%	32.0%	約38.0%	紅色
重荷重	19.2%	21.6%	24.0%	約28.0%	綠色
極重荷重	16.0%	18.0%	20.0%	約24.0%	棕色

金屬模具彈簧的公差

外徑	內徑	自由長度		荷重	卷曲方向
		50 mm以下	50 mm以上		
+0 mm −0.7 mm	+0.7 mm +0.1 mm	±0.5 mm	±1%	±10%	右

DWF 輕少荷重 | DWL 輕荷重 | DWM 中荷重 | DWH 重荷重 | DWB 極重荷重 | DWR 塑膠膜用耐熱彈簧 | DWY 塑膠膜用耐熱彈簧

彈簧模具

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量(mm)	荷重kgf(N)	壓縮量(mm)	荷重kgf(N)	壓縮量(mm)	荷重kgf(N)
DWF 8x10	8	4	10	1.56	5.0	8 (78.5)	4.5	7 (68.6)	4.0	6 (58.8)
15			15	1.04	7.5		6.8		6.0	
20			20	0.78	10.0		9.0		8.0	
25			25	0.62	12.5		11.2		10.0	
30			30	0.52	15.0		13.5		12.0	
35			35	0.44	17.5		15.7		14.0	
40			40	0.39	20.0		18.0		16.0	
45			45	0.35	22.5		20.2		18.0	
50			50	0.31	25.0		22.5		20.0	
55			55	0.28	27.5		24.7		22.0	
60			60	0.26	30.0		27.0		24.0	
DWF 10x20	10	5	20	1.00	10.0	10 (98.1)	9.0	9 (88.3)	8.0	8 (78.5)
25			25	0.80	12.5		11.2		10.0	
30			30	0.67	15.0		13.5		12.0	
35			35	0.57	17.5		15.7		14.0	
40			40	0.50	20.0		18.0		16.0	
45			45	0.44	22.5		20.2		18.0	
50			50	0.40	25.0		22.5		20.0	
55			55	0.36	27.5		24.7		22.0	
60			60	0.33	30.0		27.0		24.0	
65			65	0.31	32.5		29.2		26.0	
70			70	0.29	35.0		31.5		28.0	
75			75	0.27	37.5		33.7		30.0	
80			80	0.25	40.0		36.0		32.0	
DWF 12x20	12	6	20	1.40	10.0	14 (137.3)	9.0	12.5 (122.6)	8.0	11 (107.9)
25			25	1.12	12.5		11.2		10.0	
30			30	0.93	15.0		13.5		12.0	
35			35	0.80	17.5		15.7		14.0	
40			40	0.70	20.0		18.0		16.0	
45			45	0.62	22.5		20.2		18.0	
50			50	0.56	25.0		22.5		20.0	
55			55	0.51	27.5		24.7		22.0	
60			60	0.47	30.0		27.0		24.0	
65			65	0.43	32.5		29.2		26.0	
70			70	0.40	35.0		31.5		28.0	
75			75	0.37	37.5		33.7		30.0	
80			80	0.35	40.0		36.0		32.0	
DWF 14x25	14	7	25	1.44	12.5	18 (176.5)	11.2	16 (156.9)	10.0	14.5 (142.2)
30			30	1.20	15.0		13.5		12.0	
35			35	1.03	17.5		15.7		14.0	
40			40	0.90	20.0		18.0		16.0	
45			45	0.80	22.5		20.2		18.0	
50			50	0.72	25.0		22.5		20.0	
55			55	0.65	27.5		24.7		22.0	
60			60	0.60	30.0		27.0		24.0	
65			65	0.55	32.5		29.2		26.0	
70			70	0.51	35.0		31.5		28.0	
75			75	0.48	37.5		33.7		30.0	
80			80	0.45	40.0		36.0		32.0	
90			90	0.40	45.0		40.5		36.0	
DWF 16x25			25	1.44	12.5		11.2		10.0	
30			30	1.20	15.0		13.5		12.0	
35			35	1.03	17.5		15.7		14.0	
40			40	0.90	20.0		18.0		16.0	
45			45	0.80	22.5		20.2		18.0	
50			50	0.72	25.0		22.5		20.0	
55			55	0.65	27.5		24.7		22.0	
60			60	0.60	30.0		27.0		24.0	
65			65	0.55	32.5		29.2		26.0	
70			70	0.51	35.0		31.5		28.0	
75			75	0.48	37.5		33.7		30.0	
80			80	0.45	40.0		36.0		32.0	
90			90	0.40	45.0		40.5		36.0	
100			100	0.42	50.0		45.0		40.0	

DWF 轻少荷重 LIGHTEST LOAD

锦鸿

彈簧模具

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量(mm)	荷重kgf(N)	壓縮量(mm)	荷重kgf(N)	壓縮量(mm)	荷重kgf(N)
DWF 18x25	18	9	25	2.08	12.5		11.2		10.0	21 (206)
30			30	1.74	15.0		13.5		12.0	
35			35	1.49	17.5		15.7		14.0	
40			40	1.30	20.0		18.0		16.0	
45			45	1.16	22.5		20.2		18.0	
50			50	1.04	25.0		22.5		20.0	
55			55	0.95	27.5		24.7		22.0	
60			60	0.87	30.0		27.0		24.0	
65			65	0.80	32.0		29.2		26.0	
70			70	0.74	35.0		31.5		28.0	
75			75	0.70	37.5		33.7		30.0	
80			80	0.65	40.0		36.0		32.0	
90			90	0.58	45.0		40.5		36.0	
100			100	0.52	50.0		45.0		40.0	
DWF 20x25	20	11	25	2.56	12.5		11.2	29 (284)	10.0	26 (255)
30			30	2.13	15.0		13.5		12.0	
35			35	1.83	17.5		15.7		14.0	
40			40	1.60	20.0		18.0		16.0	
45			45	1.42	22.5		20.2		18.0	
50			50	1.28	25.0		22.5		20.0	
55			55	1.16	27.5		24.7		22.0	
60			60	1.07	30.0		27.0		24.0	
65			65	0.98	32.5		29.2		26.0	
70			70	0.91	35.0		31.5		28.0	
75			75	0.85	37.5		33.7		30.0	
80			80	0.80	40.0		36.0		32.0	
90			90	0.71	45.0		40.5		36.0	
100			100	0.64	50.0		45.0		40.0	
125			125	0.51	62.5		56.2		50.0	
150			150	0.43	75.0		67.5		60.0	
DWF 22x25	22	11	25	3.20	12.5		11.2	36 (353)	10.0	32 (314)
30			30	2.67	15.0		13.5		12.0	
35			35	2.29	17.5		15.7		14.0	
40			40	2.00	20.0		18.0		16.0	
45			45	1.78	22.5		20.2		18.0	
50			50	1.60	25.0		22.5		20.0	
55			55	1.46	27.5		24.7		22.0	
60			60	1.33	30.0		27.0		24.0	
65			65	1.23	32.5		29.2		26.0	
70			70	1.14	35.0		31.5		28.0	
75			75	1.07	37.5		33.7		30.0	
80			80	1.00	40.0		36.0		32.0	
90			90	0.89	45.0		40.5		36.0	
100			100	0.80	50.0		45.0		40.0	
125			125	0.64	62.5		56.2		50.0	
150			150	0.53	75.0		67.5		60.0	
DWF 25x25	25	13.5	25	4.00	12.5	50 (490)	11.2	45 (441)	10.0	40 (392)
30			30	3.33	15.0		13.5		12.0	
35			35	2.85	17.5		15.7		14.0	
40			40	2.50	20.0		18.0		16.0	
45			45	2.22	22.5		20.2		18.0	
50			50	2.00	25.0		22.5		20.0	
55			55	1.82	27.5		24.7		22.0	
60			60	1.67	30.0		27.0		24.0	
65			65	1.54	32.5		29.2		26.0	
70			70	1.43	35.0		31.5		28.0	
75			75	1.33	37.5		33.7		30.0	
80			80	1.25	40.0		36.0		32.0	
90			90	1.11	45.0		40.5		36.0	
100			100	1.00	50.0		45.0		40.0	
125			125	0.08	62.5		56.2		50.0	
150			150	0.67	75.0		67.5		60.0	
175			175	0.57	87.5		78.7		70.0	

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWF 27x25	27	13.5	25	4.80	12.5	60 (588)	11.2		10.0	48 (471)
30			30	4.00	15.0		13.5		12.0	
35			35	3.43	17.5		15.7		14.0	
40			40	3.00	20.0		18.0		16.0	
45			45	2.67	22.5		20.2		18.0	
50			50	2.40	25.0		22.5		20.0	
55			55	2.18	27.5		24.7		22.0	
60			60	2.00	30.0		27.0		24.0	
65			65	1.85	32.5		29.2		26.0	
70			70	1.71	35.0		31.5		28.0	
75			75	1.60	37.5		33.7		30.0	
80			80	1.50	40.0		36.0		32.0	
90			90	1.33	45.0		40.5		36.0	
100			100	1.20	50.0		45.0		40.0	
125			125	0.96	62.5		56.2		50.0	
150			150	0.80	75.0		67.5		60.0	
175			175	0.69	87.5		78.7		70.0	
DWF 30x25	30	16	25	5.80	12.5	72 (706)	11.2		10.0	58 (569)
30			30	4.80	15.0		13.5		12.0	
35			35	4.13	17.5		15.7		14.0	
40			40	3.60	20.0		18.0		16.0	
45			45	3.21	22.5		20.2		18.0	
50			50	2.88	25.0		22.5		20.0	
55			55	2.63	27.5		24.7		22.0	
60			60	2.40	30.0		27.0		24.0	
65			65	2.22	32.5		29.2		26.0	
70			70	2.05	35.0		31.5		28.0	
75			75	1.93	37.5		33.7		30.0	
80			80	1.80	40.0		36.0		32.0	
90			90	1.60	45.0		40.0		36.0	
100			100	1.44	50.0		45.0		40.0	
125			125	1.15	62.5		56.2		50.0	
150			150	0.96	75.0		67.5		60.0	
175			175	0.82	87.5		78.7		70.0	
200			200	0.72	100.0		90.0		80.0	
DWF 35x40	35	19	40	4.90	20.0	98 (961)	18.0	88 (863)	16.0	78 (765)
45			45	4.36	22.5		20.2		18.0	
50			50	3.92	25.0		22.5		20.0	
55			55	3.56	27.5		24.7		22.0	
60			60	3.26	30.0		27.0		24.0	
65			65	3.02	32.5		29.2		26.0	
70			70	2.80	35.0		31.5		28.0	
75			75	2.61	37.5		33.7		30.0	
80			80	2.45	40.0		36.0		32.0	
90			90	2.17	45.0		40.5		36.0	
100			100	1.96	50.0		45.0		40.0	
125			125	1.57	62.5		56.2		50.0	
150			150	1.30	75.0		67.5		60.0	
175			175	1.12	87.5		78.7		70.0	
200			200	0.98	100.0		90.0		80.0	

彈簧模具

锦鸿 JH

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWF 40x40	40	22	40	6.38	20.0	128 (1,255)	18.0	115 (1,128)	16.0	102 (1,000)
45			45	5.68	22.5		20.3		18.0	
50			50	5.12	25.0		22.5		20.0	
55			55	4.65	27.5		24.8		22.0	
60			60	4.26	30.0		27.0		24.0	
65			65	3.93	32.5		29.3		26.0	
70			70	3.65	35.0		31.5		28.0	
75			75	3.41	37.5		33.8		30.0	
80			80	3.20	40.0		36.0		32.0	
90			90	2.84	45.0		40.5		36.0	
100			100	2.56	50.0		45.0		40.0	
125			125	2.04	62.5		56.2		50.0	
150			150	1.70	75.0		67.55		60.0	
175			175	1.46	87.5		78.7		70.0	
200			200	1.28	100.0		90.0		80.0	
250			250	1.02	125.0		112.5		100.0	
DWF 50x50	50	27.5	50	8.00	25.0	200 (1,961)	22.5	180 (1,765)	20.0	160 (1,569)
55			55	7.27	27.5		24.8		22.0	
60			60	6.66	30.0		27.0		24.0	
65			65	6.15	32.5		29.3		26.0	
70			70	5.71	35.0		31.5		28.0	
75			75	5.33	37.5		33.8		30.0	
80			80	5.00	40.0		36.0		32.0	
90			90	4.44	45.0		40.5		36.0	
100			100	4.00	50.0		45.0		40.0	
125			125	3.20	62.5		56.2		50.0	
150			150	2.66	75.0		67.5		60.0	
175			175	2.28	87.5		78.7		70.0	
200			200	2.00	100.0		90.0		80.0	
250			250	1.60	125.0		112.5		100.0	
300			300	1.33	150.0		135.0		120.0	
350			350	1.14	175.0		157.5		140.0	
400			400	1.00	200.0		180.0		160.0	
450			450	0.89	225.0		202.5		180.0	
500			500	0.80	250.0		225.0		200.0	
DWF 60x60	60	33	60	9.59	30.0	288 (2,820)	27.0	259 (2,540)	24.0	230 (2,260)
70			70	8.22	35.0		31.5		28.0	
80			80	7.19	40.0		36.0		32.0	
90			90	6.40	45.0		40.5		36.0	
100			100	5.76	50.0		45.0		40.0	
125			125	4.60	62.5		56.2		50.0	
150			150	3.84	75.0		67.5		60.0	
175			175	3.29	87.5		78.7		70.0	
200			200	2.88	100.0		90.0		80.0	
225			225	2.56	112.5		101.3		90.0	
250			250	2.30	125.0		112.5		100.0	
275			275	2.09	137.5		123.8		110.0	
300			300	1.92	150.0		135.0		120.0	
350			350	1.65	175.0		157.5		140.0	
400			400	1.44	200.0		180.0		160.0	
450			450	1.28	225.0		202.5		180.0	
500			500	1.15	250.0		225.0		200.0	

彈簧模具

呼稱型號	外徑 (mm)	内徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWL 8x10	8	4	10	2.50	4.0	10.00 (98.1)	3.6	9.00 (78.5)	3.2	8.00 (78.5)
15			15	1.67	6.0		5.4		4.8	
20			20	1.25	8.0		7.2		6.4	
25			25	1.00	10.0		9.0		8.0	
30			30	0.83	12.0		10.8		9.6	
35			35	0.71	14.0		12.6		11.2	
40			40	0.63	16.0		14.4		12.8	
45			45	0.56	18.0		16.2		14.4	
50			50	0.50	20.0		18.0		16.0	
55			55	0.46	22.0		19.8		17.6	
60			60	0.42	24.0		21.6		19.2	
DWL 10x20	10	5	20	1.81	8.0	14.5 (142.2)	7.2	13 (127.5)	6.4	11.5 (112.8)
25			25	1.45	10.0		9.0		8.0	
30			30	1.21	12.0		10.8		9.6	
35			35	1.03	14.0		12.6		11.2	
40			40	0.90	16.0		14.4		12.8	
45			45	0.80	18.0		16.2		14.4	
50			50	0.73	20.0		18.0		16.0	
55			55	0.66	22.0		19.8		17.6	
60			60	0.60	24.0		21.6		19.2	
65			65	0.55	26.0		23.4		20.8	
70			70	0.51	28.0		25.2		22.4	
75			75	0.48	30.0		27.0		24.0	
80			80	0.45	32.0		28.8		25.6	
DWL 12x20	12	6	20	2.63	8.0	21 (206)	7.2	19 (186.3)	6.4	17 (166.7)
25			25	2.10	10.0		9.0		8.0	
30			30	1.75	12.0		10.8		9.6	
35			35	1.50	14.0		12.6		11.2	
40			40	1.32	16.0		14.4		12.8	
45			45	1.17	18.0		16.2		14.4	
50			50	1.05	20.0		18.0		16.0	
55			55	0.96	22.0		19.8		17.6	
60			60	0.88	24.0		21.6		19.2	
65			65	0.81	26.0		23.4		20.8	
70			70	0.75	28.0		25.2		22.4	
75			75	0.70	30.0		27.0		24.0	
80			80	0.66	32.0		28.8		25.6	
DWL 14x25	14	7	25	2.80	10.0	28 (275)	9.0	25 (245)	8.0	22 (216)
30			30	2.34	12.0		10.8		9.6	
35			35	2.00	14.0		12.6		11.2	
40			40	1.75	16.0		14.4		12.8	
45			45	1.56	18.0		16.2		14.4	
50			50	1.40	20.0		18.0		16.0	
55			55	1.27	22.0		19.8		17.6	
60			60	1.17	24.0		21.6		19.2	
65			65	1.08	26.0		23.4		20.8	
70			70	1.00	28.0		25.2		22.4	
75			75	0.93	30.0		27.0		24.0	
80			80	0.87	32.0		28.8		25.0	
90			90	0.77	36.0		32.4		28.8	
DWL 16x25	16	8	25	3.50	10.0	35 (343)	9.0	32 (314)	8.0	28 (275)
30			30	2.92	12.0		10.8		9.6	
35			35	2.50	14.0		12.6		11.2	
40			40	2.19	16.0		14.4		12.8	
45			45	1.95	18.0		16.2		14.4	
50			50	1.75	20.0		18.0		16.0	
55			55	1.60	22.0		19.8		17.6	
60			60	1.46	24.0		21.6		19.2	
65			65	1.35	26.0		23.4		20.8	
70			70	1.25	28.0		25.2		22.4	
75			75	1.17	30.0		27.0		24.0	
80			80	1.10	32.0		28.8		25.0	
90			90	0.98	36.0		32.4		28.8	
100			100	0.88	40.0		36.0		32.0	

呼稱型號	外徑 (mm)	内徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWL 18x25	18	9	25	4.30	10.0	43 (422)	9.0	39 (382)	8.0	34 (333)
30			30	3.58	12.0		10.8		9.6	
35			35	3.07	14.0		12.6		11.2	
40			40	2.69	16.0		14.4		12.8	
45			45	2.39	18.0		16.2		14.4	
50			50	2.15	20.0		18.0		16.0	
55			55	1.96	22.0		19.8		17.6	
60			60	1.79	24.0		21.6		19.2	
65			65	1.66	26.0		23.4		20.8	
70			70	1.54	28.0		25.2		22.4	
75			75	1.44	30.0		27.0		24.0	
80			80	1.35	32.0		28.8		25.6	
90			90	1.20	36.0		32.4		28.8	
100			100	1.07	40.0		36.0		32.0	
DWL 20x25	20	10	25	5.40	10.0	54 (530)	9.0	49 (481)	8.0	43 (422)
30			30	4.50	12.0		10.8		9.6	
35			35	3.86	14.0		12.6		11.2	
40			40	3.38	16.0		14.4		12.8	
45			45	3.00	18.0		16.2		14.4	
50			50	2.70	20.0		18.0		16.0	
55			55	2.45	22.0		19.8		17.6	
60			60	2.25	24.0		21.6		19.2	
65			65	2.08	26.0		23.4		20.8	
70			70	1.93	28.0		25.2		22.4	
75			75	1.80	30.0		27.0		24.0	
80			80	1.69	32.0		28.8		25.6	
90			90	1.50	36.0		32.4		28.8	
100			100	1.35	40.0		36.0		32.0	
125			125	1.08	50.0		45.0		40.0	
150			150	0.90	60.0		54.0		48.0	
DWL 22x25	22	11	25	6.70	10.0	67 (657)	9.0	60 (588)	8.0	54 (530)
30			30	5.60	12.0		10.8		9.6	
35			35	4.80	14.0		12.6		11.2	
40			40	4.20	16.0		14.4		12.8	
45			45	3.72	18.0		16.2		14.4	
50			50	3.35	20.0		18.0		16.0	
55			55	3.05	22.0		19.8		17.6	
60			60	2.80	24.0		21.6		19.2	
65			65	2.58	26.0		23.4		20.8	
70			70	2.40	28.0		25.2		22.4	
75			75	2.23	30.0		27.0		24.0	
80			80	2.10	32.0		28.8		25.6	
90			90	1.86	36.0		32.4		28.8	
100			100	1.68	40.0		36.0		32.0	
125			125	1.34	50.0		45.0		40.0	
150			150	1.12	60.0		54.0		48.0	
DWL 25x25	25	12.5	25	8.40	10.0	84 (824)	9.0	76 (745)	8.0	67 (657)
30			30	7.00	12.0		10.8		9.6	
35			35	6.00	14.0		12.6		11.2	
40			40	5.25	16.0		14.4		12.8	
45			45	4.67	18.0		16.2		14.4	
50			50	4.20	20.0		18.0		16.0	
55			55	3.82	22.0		19.8		17.6	
60			60	3.50.	24.0		21.6		19.2	
65			65	3.32	26.0		23.4		20.8	
70			70	3.00	28.0		25.2		22.4	
75			75	2.28	30.0		27.0		24.0	
80			80	2.63	32.0		28.8		25.6	
90			90	2.33	36.0		32.4		28.8	
100			100	2.10	40.0		36.0		32.0	
125			125	1.68	50.0		45.0		40.0	
150			150	1.40	60.0		54.0		48.0	
175			175	1.20	70.0		63.0		56.0	

DWL 轻荷重 LIGHT LOAD

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回 壓縮量(mm)	30萬回 荷重kgf(N)	50萬回 壓縮量(mm)	50萬回 荷重kgf(N)	100萬回 壓縮量(mm)	100萬回 荷重kgf(N)
DWL 27x25			25	10.00	10.0		9.0		8.0	
30			30	8.33	12.0		10.8		9.6	
35			35	7.14	14.0		12.6		11.2	
40			40	6.25	16.0		14.4		12.8	
45			45	5.56	18.0		16.2		14.4	
50			50	5.00	20.0		18.0		16.0	
55			55	4.55	22.0		19.8		17.6	
60			60	4.17	24.0		21.6		19.2	
65	27	13.5	65	3.85	26.0	100 (981)	23.4	90 (883)	20.8	80 (785)
70			70	3.57	28.0		25.2		22.4	
75			75	3.33	30.0		27.0		24.0	
80			80	3.13	32.0		28.8		25.6	
90			90	2.78	36.0		32.4		28.8	
100			100	2.50	40.0		36.0		32.0	
125			125	2.00	50.0		45.0		40.0	
150			150	1.67	60.0		54.0		48.0	
175			175	1.43	70.0		63.0		56.0	
DWL 30x25			25	12.11	10.0		9.0		8.0	
30			30	10.08	12.0		10.8		9.6	
35			35	8.65	14.0		12.6		11.2	
40			40	7.56	16.0		14.4		12.8	
45			45	6.73	18.0		16.2		14.4	
50			50	6.05	20.0		18.0		16.0	
55			55	5.50	22.0		19.8		17.6	
60			60	5.04	24.0		21.6		19.2	
65	30	15	65	4.65	26.0	121 (1,187)	23.4	109 (1,069)	20.8	97 (951)
70			70	4.32	28.0		25.2		22.4	
75			75	4.03	30.0		27.0		24.0	
80			80	3.78	32.0		28.8		25.6	
90			90	3.36	36.0		32.4		28.8	
100			100	3.02	40.0		36.0		32.0	
125			125	2.42	50.0		45.0		40.0	
150			150	2.01	60.0		54.0		48.0	
175			175	1.72	70.0		63.0		56.0	
200			200	1.51	80.0		72.0		64.0	
DWL 35x40			40	10.31	16.0		14.4		12.8	
45			45	9.17	18.0		16.2		14.4	
50			50	8.25	20.0		18.0		16.0	
55			55	7.50	22.0		19.8		17.6	
60			60	6.87	24.0		21.6		19.2	
65			65	6.35	26.0		23.4		20.8	
70			70	5.89	28.0		25.2		22.4	
75	35	17.5	75	5.50	30.0	165 (1,618)	27.0	149 (1,461)	24.0	132 (1,295)
80			80	5.15	32.0		28.8		25.6	
90			90	4.58	36.0		32.4		28.8	
100			100	4.12	40.0		36.0		32.0	
125			125	3.30	50.0		45.0		40.0	
150			150	2.75	60.0		54.0		48.0	
175			175	3.25	70.0		63.0		56.0	
200			200	2.06	80.0		72.0		64.0	

TLR 轻荷重 LIGHT LOAD

锦鸿

彈簧模具

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回 壓縮量(mm)	30萬回 荷重kgf(N)	50萬回 壓縮量(mm)	50萬回 荷重kgf(N)	100萬回 壓縮量(mm)	100萬回 荷重kgf(N)
DWL 40x40			40	13.5	16.0		14.4		12.8	
45			45	11.98	18.0		16.2		14.4	
50			50	10.80	20.0		18.0		16.0	
55			55	9.80	22.0		18.0		16.0	
60			60	9.00	24.0		21.6		19.2	
65			65	8.29	26.0		23.4		20.8	
70			70	7.71	28.0		25.2		22.4	
75			75	7.19	30.0		27.0		24.0	
80			80	6.75	32.0	216 (2,120)	28.8	194 (1,903)	25.6	173 (1,697)
90	40	20	90	6.00	36.0		32.4		28.8	
100			100	5.40	40.0		36.0		32.0	
125			125	4.32	50.0		45.0		40.0	
150			150	3.60	60.0		54.0		48.0	
175			175	3.08	70.0		63.0		56.0	
200			200	2.70	80.0		72.0		64.0	
250			250	2.16	100.0		90.0		80.0	
DWL 50x50			50	16.89	20.0		18.0		16.0	
55			55	15.35	22.0		19.8		17.6	
60			60	14.08	24.0		21.6		19.2	
65			65	12.99	26.0		23.4		20.8	
70			70	12.07	28.0		25.2		22.4	
75			75	11.25	30.0		27.0		24.0	
80			80	10.56	32.0		28.8		25.6	
90			90	9.38	36.0		32.4		28.8	
100			100	8.45	40.0		36.0		32.0	
125			125	6.76	50.0	338 (3,310)	45.0	304 (2,980)	40.0	270 (2,650)
150	50	25	150	5.63	60.0		54.0		48.0	
175			175	4.82	70.0		63.0		56.0	
200			200	4.22	80.0		72.0		64.0	
225			225	3.75	90.0		81.0		72.0	
250			250	3.38	100.0		90.0		80.0	
275			275	3.07	110.0		99.0		88.0	
300			300	2.81	120.0		108.0		96.0	
350			350	2.41	140.0		126.0		112.0	
400			400	2.11	160.0		144.0		128.0	
450			450	1.88	180.0		162.0		144.0	
500			500	1.69	200.0		180.0		160.0	
DWL 60x60			60	20.25	24.0		21.6		19.2	
70			70	17.35	28.0		25.2		22.4	
80			80	15.18	32.0		28.8		25.6	
90			90	13.50	36.0		32.4		28.8	
100			100	12.15	40.0		36.0		32.0	
125			125	9.72	50.0		45.0		40.0	
150			150	8.10	60.0		54.0		48.0	
175			175	6.94	70.0	486 (4,770)	63.0	437 (4,290)	56.0	389 (3,810)
200	60	30	200	6.07	80.0		72.0		64.0	
225			225	5.40	90.0		81.0		72.0	
250			250	4.86	100.0		90.0		80.0	
275			275	4.42	110.0		99.0		88.0	
300			300	4.05	120.0		108.0		96.0	
350			350	3.47	140.0		126.0		112.0	
400			400	3.04	160.0		144.0		128.0	
450			450	2.70	180.0		162.0		144.0	
500			500	2.43	200.0		180.0		160.0	

DWL 轻荷重 LIGHT LOAD

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
TLR 30x30	30	16	30	6.20	12.0	43 (745.6)	10.8	68 (667.1)	9.6	61 (598.4)
35			35	5.40	14.0		12.6		11.2	
40			40	4.80	16.0		14.4		12.8	
45			45	4.20	18.0		16.2		14.4	
50			50	3.80	20.0		18.0		16.0	
55			55	3.50	22.0		19.8		17.6	
60			60	3.20	24.0		21.6		19.2	
65			65	2.90	26.0		23.4		20.8	
70			70	2.70	28.0		25.2		22.4	
75			75	2.50	30.0		27.0		24.0	
80			80	2.40	32.0		28.8		25.6	
90			90	2.10	36.0		32.4		28.8	
100			100	1.90	40.0		36.0		32.0	
125			125	1.50	50.0		45.0		40.0	
150			150	1.30	60.0		54.0		48.0	
175			175	1.10	70.0		63.0		56.0	
TLR 35x40	35	20	40	9.70	16.0	155 (1,519)	14.4	140 (1,372)	12.8	124 (1,215)
45			45	8.62	18.0		16.2		14.4	
50			50	7.75	20.0		18.0		16.0	
55			55	7.05	22.0		19.8		17.6	
60			60	6.46	24.0		21.6		19.2	
65			65	5.96	26.0		23.4		20.8	
70			70	5.54	28.0		25.2		22.4	
75			75	5.17	30.0		27.0		24.0	
80			80	4.85	32.0		28.8		25.6	
90			90	4.31	36.0		32.4		28.8	
100			100	3.88	40.0		36.0		32.0	
125			125	3.10	50.0		45.0		40.0	
150			150	2.59	60.0		54.0		48.0	
175			175	2.21	70.0		63.0		56.0	
200			200	1.93	80.0		72.0		64.0	
TLR 40x50	40	26	50	8.70	20.0	174 (1,705)	18.0	157 (1,539)	16.0	138 (1,352)
60			60	7.20	24.0		21.6		19.2	
70			70	6.20	28.0		25.2		22.4	
80			80	5.40	32.0		28.8		25.6	
90			90	4.80	36.0		32.4		28.8	
100			100	4.30	40.0		36.0		32.0	
125			125	3.50	50.0		45.0		40.0	
150			150	2.90	60.0		54.0		48.0	
175			175	2.50	70.0		63.0		56.0	
200			200	2.20	80.0		72.0		64.0	
250			250	1.70	100.0		90.0		80.0	
TLR 50x60	50	30	60	10.80	24.0	260 (2,550)	21.6	233 (2,263)	19.2	207 (2,029)
70			70	9.30	28.0		25.2		22.4	
80			80	7.20	32.0		28.8		25.6	
90			90	6.50	36.0		32.4		28.8	
100			100	5.20	40.0		36.0		32.0	
125			125	4.30	50.0		45.0		40.0	
150			150	3.70	60.0		54.0		48.0	
175			175	3.30	70.0		63.0		56.0	
200			200	2.60	80.0		72.0		64.0	
250			250	2.20	100.0		90.0		80.0	
300			300	1.85	120.0		108.0		96.0	
350			350	1.65	140.0		126.0		112.0	
400			400	1.30	160.0		144.0		128.0	
450			450	1.20	180.0		162.0		144.0	
500			500	1.10	200.0		180.0		160.0	

彈簧模具

DWM 中荷重 MEDIUM LOAD

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWM 8x10	8	4	10	4.34	3.2	14.00 (137.3)	2.9	12.50 (122.6)	2.6	11.00 (107.9)
15			15	2.89	4.8		4.3		3.8	
20			20	2.17	6.4		5.8		5.1	
25			25	1.74	8.0		7.2		6.4	
30			30	1.45	9.6		8.6		7.7	
35			35	1.24	11.2		10.1		9.0	
40			40	1.09	12.8		11.5		10.2	
45			45	0.97	14.4		13.0		11.5	
50			50	0.87	16.0		14.4		12.8	
55			55	0.79	17.6		15.8		14.1	
60			60	0.72	19.2		17.3		15.4	
DWM 10x20	10	5	20	3.13	6.4	20 (196.1)	5.8	18 (176.5)	5.1	16 (156.9)
25			25	2.50	8.0		7.2		6.4	
30			30	2.08	9.6		8.6		7.7	
35			35	1.78	11.2		10.1		9.0	
40			40	1.56	12.8		11.5		10.2	
45			45	1.38	14.4		13.0		11.5	
50			50	1.25	16.0		14.4		12.8	
55			55	1.13	17.6		15.8		14.1	
60			60	1.04	19.2		17.3		15.4	
65			65	0.96	20.8		18.7		16.6	
70			70	0.89	22.4		20.2		17.9	
75			75	0.83	24.0		21.6		19.2	
80			80	0.78	25.6		23.0		20.5	
DWM 12x20	12	6	20	4.53	6.4	29 (284)	5.8	26 (255)	5.1	23 (226)
25			25	3.62	8.0		7.2		6.4	
30			30	3.02	9.6		8.6		7.7	
35			35	2.58	11.2		10.1		9.0	
40			40	2.27	12.8		11.5		10.2	
45			45	2.01	14.4		13.0		11.5	
50			50	1.81	16.0		14.4		12.8	
55			55	1.64	17.6		15.8		14.1	
60			60	1.51	19.2		17.3		15.4	
65			65	1.39	20.8		18.7		16.6	
70			70	1.29	22.4		20.2		17.9	
75			75	1.20	24.0		21.6		19.2	
80			80	1.13	25.6		23.0		20.5	
DWM 14x25	14	7	25	4.87	8.0	39 (383)	7.2	35 (343)	6.4	31 (304)
30			30	4.06	9.6		8.6		7.7	
35			35	3.48	11.2		10.1		9.0	
40			40	3.04	12.8		11.5		10.2	
45			45	2.70	14.4		13.0		11.5	
50			50	2.43	16.0		14.4		12.8	
55			55	2.21	17.6		15.8		14.1	
60			60	2.03	19.2		17.3		15.4	
65			65	1.87	20.8		18.7		16.6	
70			70	1.74	22.4		20.2		17.9	
75			75	1.62	24.0		21.6		19.2	
80			80	1.52	25.6		23.0		20.5	
90			90	1.35	28.8		25.9		23.0	
DWM 16x25	16	8	25	6.39	8.0	51 (500)	7.2	46 (451)	6.4	41 (402)
30			30	5.32	9.6		8.6		7.7	
35			35	4.55	11.2		10.1		9.0	
40			40	3.98	12.8		11.5		10.2	
45			45	3.54	14.4		13.0		11.5	
50			50	3.18	16.0		14.4		12.8	
55			55	2.89	17.6		15.8		14.1	
60			60	2.65	19.2		17.3		15.4	
65			65	2.45	20.8		18.7		16.6	
70			70	2.27	22.4		20.2		17.9	
75			75	2.11	24.0		21.6		19.2	
80			80	1.99	25.6		32.0		20.5	
90			90	1.77	28.8		25.9		23.0	
100			100	1.59	32.0		28.8		25.6	

彈簧模具

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回 壓縮量(mm)	30萬回 荷重 kgf(N)	50萬回 壓縮量(mm)	50萬回 荷重 kgf(N)	100萬回 壓縮量(mm)	100萬回 荷重 kgf(N)
DWM 18x25			25	8.12	8.0		7.2		6.4	
30			30	6.77	9.6		8.6		7.7	
35			35	5.80	11.2		10.1		9.0	
40			40	5.07	12.8		11.5		10.2	
45			45	4.51	14.4		13.0		11.5	
50			50	4.06	16.0		14.4		12.8	
55	18	9	55	3.69	17.6	65 (637)	15.8	58 (569)	14.1	52 (510)
60			60	3.38	19.2		17.3		15.4	
65			65	3.12	20.8		18.7		16.6	
70			70	2.90	22.4		20.2		17.9	
75			75	2.70	24.0		21.6		19.2	
80			80	2.53	25.6		23.0		20.5	
90			90	2.25	28.8		25.9		23.0	
100			100	2.02	32.0		28.8		25.6	
DWM 20x25			25	10.00	8.0		7.2		6.4	
30			30	8.33	9.6		8.6		7.7	
35			35	7.14	11.2		10.1		9.0	
40			40	6.25	12.8		11.5		10.2	
45			45	5.55	14.4		13.0		11.5	
50			50	5.00	16.0		14.4		12.8	
55	20	10	55	4.54	17.6	80 (785)	15.8	72 (706)	14.1	64 (628)
60			60	4.16	19.2		17.3		15.4	
65			65	3.84	20.8		18.7		16.6	
70			70	3.57	22.4		20.2		17.9	
75			75	3.33	24.0		21.6		19.2	
80			80	3.12	25.6		23.0		20.5	
90			90	2.77	28.8		25.9		23.0	
100			100	2.50	32.0		28.8		25.6	
125			125	2.00	40.0		36.0		32.0	
150			150	1.67	48.0		43.2		38.4	
DWM 22x25			25	12.13	8.0		7.2		6.4	
30			30	10.10	9.6		8.6		7.7	
35			35	8.65	11.2		10.1		9.0	
40			40	7.57	12.8		11.5		10.2	
45			45	6.74	14.4		13.0		11.5	
50			50	6.06	16.0		14.4		12.8	
55			55	5.50	17.6		15.8		14.1	
60	22	11	60	5.05	19.2	97 (951)	17.3	87 (853)	15.4	78 (765)
65			65	4.66	20.8		18.7		16.6	
70			70	4.33	22.4		20.2		17.9	
75			75	4.04	24.0		21.6		19.2	
80			80	3.78	25.6		23.0		20.5	
90			90	3.36	28.8		25.9		23.0	
100			100	3.03	32.0		28.8		25.6	
125			125	2.42	40.0		36.0		32.0	
150			150	2.01	48.0		43.2		38.4	
DWM 25x25			25	15.63	8.0		7.2		6.4	
30			30	13.02	9.6		8.6		7.7	
35			35	11.20	11.2		10.1		9.0	
40			40	9.76	12.8		11.5		10.2	
45			45	8.68	14.4		13.0		11.5	
50			50	7.81	16.0		14.4		12.8	
55			55	7.10	17.6		15.8		14.1	
60			60	6.51	19.2		17.3		15.4	
65	25	12.5	65	6.00	20.8	125 (1,226)	18.7	112 (1,098)	16.6	100 (981)
70			70	5.58	22.4		20.2		17.9	
75			75	5.21	24.0		21.6		19.2	
80			80	4.88	25.6		23.0		20.5	
90			90	4.34	28.8		25.9		23.0	
100			100	3.90	32.0		28.8		12.6	
125			125	3.12	40.0		36.0		32.0	
150			150	2.60	48.0		43.2		38.4	
175			175	2.23	56.0		50.4		44.8	

彈簧模具

呼稱型號	外徑(mm)	內徑(mm)	自由長(mm)	定數(kgf/mm)	30萬回 壓縮量(mm)	30萬回 荷重 kgf(N)	50萬回 壓縮量(mm)	50萬回 荷重 kgf(N)	100萬回 壓縮量(mm)	100萬回 荷重 kgf(N)
DWM 27x25			25	18.25	8.0		7.2		6.4	
30			30	15.20	9.6		8.6		7.7	
35			35	13.04	11.2		10.1		9.0	
40			40	11.40	12.8		11.5		10.2	
45			45	10.14	14.4		13.0		11.5	
50			50	9.12	16.0		14.4		12.8	
55			55	8.30	17.6		15.8		14.1	
60			60	7.60	19.2		17.3		15.4	
65			65	7.00	20.8	146 (1,432)	18.7	131 (1,285)	16.6	117 (1,147)
70	27	13.5	70	6.51	22.4		20.2		17.9	
75			75	6.00	24.0		21.6		19.2	
80			80	5.70	25.6		23.0		20.5	
90			90	5.06	28.8		25.9		23.0	
100			100	4.56	32.0		28.8		25.6	
125			125	3.65	40.0		36.0		32.0	
150			150	3.04	48.0		43.2		38.4	
175			175	2.61	56.0		50.4		44.8	
DWM 30x25			25	22.50	8.0		7.2		6.4	
30			30	18.75	9.6		8.6		7.7	
35			35	16.10	11.2		10.1		9.0	
40			40	14.06	12.8		11.5		10.2	
45			45	12.50	14.4		13.0		11.5	
50			50	11.25	16.0		14.4		12.8	
55			55	10.23	17.6		15.8		14.1	
60			60	9.37	19.2		17.3		15.4	
65			60	8.65	20.8	180 (1,765)	18.7	161 (1,579)	16.6	144 (1,412)
70	30	15	70	8.03	22.4		20.2		17.9	
75			75	7.50	24.0		21.6		19.2	
80			80	7.03	25.6		23.0		20.5	
90			90	6.25	28.8		25.9		23.0	
100			100	5.62	32.0		28.8		25.6	
125			125	4.50	40.0		36.0		32.0	
150			150	3.75	48.0		43.2		38.4	
175			175	3.21	56.0		50.4		44.8	
200			200	2.81	64.0		57.6		51.2	
DWM 35x40			40	19.14	12.8		11.5		10.2	
45			45	17.01	14.4		13.0		11.5	
50			50	15.31	16.0		14.4		12.8	
55			55	13.92	17.6		15.8		14.1	
60			60	12.76	19.2		17.3		15.4	
65			65	11.77	20.8		18.7		16.6	
70			70	10.93	22.4	245 (2,400)	20.2	220 (2,160)	17.9	195 (1,912)
75	35	17.5	75	10.20	24.0		21.6		19.2	
80			80	9.57	25.6		23.0		20.5	
90			90	8.50	28.8		25.9		23.0	
100			100	7.65	32.0		28.8		25.6	
125			125	6.12	40.0		36.0		32.0	
150			150	5.10	48.0		43.2		38.4	
175			175	4.37	56.0		50.4		44.8	
200			200	3.82	64.0		57.6		51.2	

彈簧模具

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回 壓縮量 (mm)	30萬回 荷重 kgf(N)	50萬回 壓縮量 (mm)	50萬回 荷重 kgf(N)	100萬回 壓縮量 (mm)	100萬回 荷重 kgf(N)
DWM 40x40	40	20	40	25.05	12.8	320 (3,140)	11.5	288 (2,820)	10.2	256 (2,510)
50			50	20.00	16.0		14.4		12.8	
60			60	16.60	19.2		17.3		15.4	
70			70	14.28	22.4		20.2		17.9	
80			80	12.50	25.6		23.0		20.5	
90			90	11.11	28.8		25.9		23.0	
100			100	10.00	32.0		28.8		25.6	
125			125	8.00	40.0		36.0		32.0	
150			150	6.66	18.0		43.2		38.4	
175			175	5.71	16.0		50.4		44.8	
200			200	5.00	64.0		57.6		51.2	
250			250	4.00	80.0		72.0		64.0	
DWM 50X50	50	25	50	31.25	16.0	500 (4,900)	14.4	450 (4,410)	12.8	400 (3,920)
60			60	26.04	19.2		17.3		15.4	
70			70	22.32	22.4		20.2		17.9	
80			80	19.53	15.6		23.0		20.5	
90			90	17.36	28.8		25.9		23.0	
100			100	15.62	32.0		28.8		25.6	
125			125	12.50	40.0		36.0		32.0	
150			150	10.41	18.0		43.2		38.4	
175			175	8.92	56.0		50.4		44.8	
200			200	7.81	64.0		57.6		51.2	
250			250	6.25	80.0		72.0		64.0	
300			300	5.20	96.0		86.4		76.8	
DWM 60X60	60	30	60	37.40	19.2	720 (7,060)	17.3	648 (6,350)	15.4	575 (5,640)
70			70	32.10	22.4		20.2		17.9	
80			80	28.12	25.6		23.0		20.5	
90			90	25.00	28.8		25.9		23.0	
100			100	22.50	32.0		28.8		25.6	
125			125	18.00	40.0		36.0		32.0	
150			150	15.00	48.0		43.2		38.4	
175			175	12.85	56.0		50.4		44.8	
200			200	11.25	64.0		57.6		51.2	
250			250	9.00	80.0		72.0		64.0	
300			300	7.50	96.0		86.4		76.8	

彈簧模具

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回 壓縮量 (mm)	30萬回 荷重 kgf(N)	50萬回 壓縮量 (mm)	50萬回 荷重 kgf(N)	100萬回 壓縮量 (mm)	100萬回 荷重 kgf(N)
DWH 8x10	8	4	10	8.80	2.4	21.00 (206)	2.2	19.00 (186.3)	1.9	17.00 (166.7)
15			15	5.86	3.6		3.2		2.9	
20			20	4.40	4.8		4.3		3.8	
25			25	3.52	6.0		5.4		4.8	
30			30	2.93	7.2		6.5		5.8	
35			35	2.51	8.4		7.5		6.7	
40			40	2.20	9.6		8.6		7.7	
45			45	1.95	10.8		9.7		8.6	
50			50	1.76	12.0		10.8		9.6	
55			55	1.60	13.2		11.8		10.6	
60			60	1.47	14.4		13.0		11.5	
DWH 10x20	10	5	20	6.25	4.8	30 (294)	4.3	27 (265)	3.8	24 (236)
25			25	5.00	6.0		5.4		4.8	
30			30	4.16	7.2		6.5		5.8	
35			35	3.57	8.4		7.5		6.7	
40			40	3.15	9.6		8.6		7.7	
45			45	2.77	10.8		9.7		8.6	
50			50	2.50	12.0		10.8		9.6	
55			55	2.27	13.2		11.8		10.6	
60			60	2.08	14.4		13.0		11.5	
65			65	1.92	15.6		14.0		12.5	
70			70	1.79	16.8		15.1		13.4	
75			75	1.67	18.0		16.2		14.4	
80			80	1.56	19.2		17.3		15.4	
DWH 12x20	12	6	20	8.90	4.8	43 (422)	4.3	38 (373)	3.8	34 (333)
25			25	7.10	6.0		5.4		4.8	
30			30	5.97	7.2		6.5		5.8	
35			35	5.11	8.4		7.5		6.7	
40			40	4.47	9.6		8.6		7.7	
45			45	3.98	10.8		9.7		8.6	
50			50	3.58	12.0		10.8		9.6	
55			55	3.25	13.2		11.8		10.6	
60			60	2.98	14.4		13.0		11.5	
65			65	2.74	15.6		14.0		12.5	
70			70	2.54	16.8		15.1		13.4	
75			75	2.37	18.0		16.2		14.4	
80			80	2.21	19.2		17.3		15.4	
DWH 14x25	14	7	25	9.83	6.0	59 (579)	5.4	53 (520)	4.8	47 (461)
30			30	8.19	7.2		6.5		5.8	
35			35	7.02	8.4		7.5		6.7	
40			40	6.14	9.6		8.6		7.7	
45			45	5.46	10.8		9.7		8.6	
50			50	4.91	12.0		10.8		9.6	
55			55	4.46	13.2		11.8		10.5	
60			60	4.09	14.4		13.0		11.5	
65			65	3.78	15.6		14.0		12.5	
70			70	3.51	16.8		15.1		13.4	
75			75	3.27	18.0		16.2		14.4	
80			80	3.07	19.2		17.3		15.4	
90			90	2.72	21.6		19.4		17.3	
DWH 16x25	16	8	25	12.83	6.0	77 (755)	5.4	69 (677)	4.8	62 (608)
30			30	10.69	7.2		6.5		5.8	
35			35	9.16	8.4		7.5		6.7	
40			40	8.02	9.6		8.6		7.7	
45			45	7.12	10.8		9.7		8.6	
50			50	6.14	12.0		10.8		9.6	
55			55	5.83	13.2		11.8		10.6	
60			60	5.34	14.4		13.0		11.5	
65			65	4.93	15.6		14.0		12.5	
70			70	4.58	16.8		15.1		13.4	
75			75	4.28	18.0		16.2		14.4	
80			80	4.01	19.2		17.3		15.4	
90			90	3.57	21.6		19.4		17.3	
100			100	3.21	24.0		21.6		19.2	

彈簧模具

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWH 18X25			25	16.16	6.0		5.4		4.8	
30			30	13.47	7.2		6.5		5.8	
35			35	11.54	8.4		7.5		6.7	
40			40	10.10	9.6		8.6		7.7	
45			45	8.98	10.8		9.7		8.6	
50			50	8.08	12.0		10.8		9.6	
55	18	9	55	7.34	13.2	97 (951)	11.8	87 (853)	10.6	78 (765)
60			60	6.73	14.4		13.0		11.5	
65			65	6.21	15.6		14.0		12.5	
70			70	5.77	16.8		15.1		13.4	
75			75	5.39	18.0		16.2		14.4	
80			80	5.05	19.2		17.3		15.4	
90			90	4.50	21.6		19.4		17.3	
100			100	4.04	24.0		21.6		19.2	
DWH 20X25			25	20.00	6.0		5.4		4.8	
30			30	16.66	7.2		6.5		5.8	
35			35	14.28	8.4		7.5		6.7	
40			40	12.50	9.6		8.6		7.7	
45			45	11.11	10.8		9.7		8.6	
50			50	10.00	12.0		10.8		9.6	
55			55	9.09	13.2		11.8		10.6	
60	20	10	60	8.33	14.4	120 (1,177)	13.0	108 (1,059)	11.5	96 (941)
65			65	7.69	15.6		14.0		12.5	
70			70	7.14	16.8		15.1		13.4	
75			75	6.67	18.0		16.2		14.4	
80			80	6.25	19.2		17.3		15.4	
90			90	5.55	21.6		19.4		17.3	
100			100	5.00	24.0		21.6		19.2	
125			125	4.00	30.0		27.0		24.0	
150			150	3.33	36.0		32.4		28.8	
DHW 22X25			20	24.16	6.0		5.4		4.8	
30			30	20.13	7.2		6.5		5.8	
35			35	17.30	8.4		7.5		6.7	
40			40	15.10	9.6		8.6		7.7	
45			45	13.40	10.8		9.7		8.6	
50			50	12.08	12.0		10.8		9.6	
55			55	10.94	13.2		11.8		10.6	
60			60	10.06	14.4		13.0		11.5	
65	22	11	65	9.28	15.6	145 (1,422)	14.0	130 (1,275)	12.5	116 (1,138)
70			70	8.63	16.8		15.1		13.4	
75			75	8.04	18.0		16.2		14.4	
80			80	7.55	19.2		17.3		14.4	
90			90	6.17	21.6		19.4		17.3	
100			100	6.04	24.0		21.6		19.2	
125			125	4.83	30.0		27.0		24.0	
150			150	4.02	36.0		32.4		28.8	
DWH 25X25			25	31.20	6.0		5.4		4.8	
30			30	25.97	7.2		6.5		5.8	
35			35	22.38	8.4		7.5		6.7	
40			40	19.47	9.6		8.6		7.7	
45			45	17.40	10.8		9.7		8.6	
50			50	15.58	12.0		10.8		9.6	
55			55	14.20	13.2		11.8		10.5	
60			60	12.98	14.4		13.0		11.5	
65	25	12.5	65	12.00	15.6	187 (1,834)	14.0	169 (1,657)	12.5	450 (1,471)
70			70	11.13	16.8		15.1		13.4	
75			75	10.40	18.0		16.2		14.4	
80			80	9.73	19.2		17.3		15.4	
90			90	8.65	21.6		19.4		17.3	
100			100	7.79	24.0		21.6		19.2	
125			125	6.23	30.0		27.0		24.0	
150			150	5.20	36.0		32.4		28.8	
175			175	4.46	42.0		37.8		33.6	

彈簧模具

DWH 重荷重 HEAVY LOAD

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWH 27X25			25	36.40	6.0		5.4		4.8	
30			30	30.41	7.2		6.5		5.8	
35			35	26.20	8.4		7.5		6.7	
40			40	22.81	9.6		8.6		7.7	
45			45	20.30	10.8		9.7		8.6	
50			50	18.25	12.0		10.8		9.6	
55			55	16.50	13.2		11.8		10.6	
60			60	15.210	14.4		13.0		11.5	
65	27	13.5	65	14.00	15.6	219 (2.150)	14.0	197 (1,932)	12.5	175 (1,716)
70			70	13.03	16.8		15.1		13.4	
75			75	12.10	18.0		16.2		14.4	
80			80	11.40	19.2		17.3		15.4	
90			90	10.13	21.6		19.4		17.3	
100			100	9.12	24.0		21.6		19.2	
125			125	7.30	30.0		27.0		24.0	
150			150	6.08	36.0		32.4		28.8	
175			175	5.21	42.0		37.8		33.6	
DWH 30x25			25	45.00	6.0		5.4		4.8	
30			30	37.50	7.2		6.5		5.8	
35			35	32.26	8.4		7.5		6.7	
40			40	28.12	9.6		8.6		7.7	
45			45	25.00	10.8		9.7		8.6	
50			50	22.50	12.0		10.8		9.6	
55			55	20.40	13.2		11.8		10.6	
60			60	18.75	14.4		13.0		11.5	
65	30	15	65	17.30	15.6	270 (2,550)	14.0	243 (2,380)	12.5	216 (2,120)
70			70	16.07	16.8		15.1		13.4	
75			75	15.00	18.0		16.2		14.4	
80			80	14.06	19.2		17.3		15.4	
90			90	12.50	21.6		19.4		17.3	
100			100	11.25	24.0		21.6		19.2	
125			125	9.00	30.0		27.0		24.0	
150			150	7.50	36.0		32.4		28.8	
175			175	6.42	42.0		37.8		33.6	
200			200	5.62	48.0		43.2		38.4	
DWH 35x40			40	38.22	9.6		8.6		7.7	
45			45	33.98	10.8		9.7		8.6	
50			50	30.58	12.0		10.8		9.6	
55			55	27.80	13.2		11.8		10.6	
60			60	25.48	14.4		13.0		11.5	
65			65	23.53	15.6		14.0		12.5	
70			70	21.84	16.8		15.1		13.4	
75	35	17.5	75	20.39	18.0	367 (3,600)	16.2	330 (3,240)	14.4	293 (2,870)
80			80	19.11	19.2		17.3		15.4	
90			90	16.99	21.6		19.4		17.3	
100			100	15.29	24.0		21.6		19.2	
125			125	12.23	30.0		27.0		24.0	
150			150	10.19	36.0		32.4		28.8	
175			175	8.73	42.0		37.8		33.6	
200			200	7.64	48.0		43.2		38.4	

彈簧模具

DWH 重荷重 HEAVY LOAD

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWH 40x40	40	20	40	50.00	9.6	480 (4,710)	8.6	432 (4,240)	7.7	384 (3,770)
45			45	44.48	10.8		9.7		8.6	
50			50	40.00	12.0		10.8		9.6	
55			55	36.39	13.2		11.9		10.6	
60			60	33.33	14.4		13.0		11.5	
65			65	30.79	15.6		14.0		12.5	
70			70	28.57	16.8		15.1		13.4	
75			75	26.69	18.0		16.2		14.4	
80			80	25.00	19.2		17.3		15.4	
90			90	22.22	21.6		19.4		17.3	
100			100	20.00	24.0		21.6		19.2	
125			125	16.00	30.0		27.0		24.0	
150			150	13.33	36.0		32.4		28.8	
175			175	11.42	42.0		37.8		33.6	
200			200	10.00	48.0		43.2		38.4	
225			225	8.90	54.0		48.6		43.2	
250			250	8.00	60.0		54.0		48.0	
DWH 50x50	50	25	50	62.50	12.0	750 (7,360)	10.8	675 (6,620)	9.6	600 (5,880)
55			55	56.82	13.2		11.9		10.6	
60			60	52.08	14.4		13.0		11.5	
65			65	48.08	15.6		14.0		12.5	
70			70	44.64	16.8		15.1		13.4	
75			75	41.67	18.0		16.2		14.4	
80			80	39.06	19.2		17.3		15.4	
90			90	34.72	21.6		19.4		17.3	
100			100	31.25	24.0		21.6		19.2	
125			125	25.00	30.0		27.0		24.0	
150			150	20.83	36.0		32.4		28.8	
175			175	17.85	42.0		37.8		33.6	
200			200	15.62	48.0		43.2		38.4	
225			225	13.89	54.0		48.6		43.2	
250			250	12.50	60.0		54.0		48.0	
275			275	11.36	66.0		59.4		52.8	
300			300	10.41	72.0		64.8		57.6	
DWH 60x60	60	30	60	75.00	14.4	1,080 (10,590)	13.0	973 (9,540)	11.5	864 (8,470)
70			70	64.28	16.8		15.1		13.4	
80			80	56.25	19.2		17.3		15.4	
90			90	50.00	21.6		19.4		17.3	
100			100	45.00	24.0		21.6		19.2	
125			125	36.00	30.0		27.0		24.0	
150			150	30.00	36.0		32.4		28.8	
175			175	25.71	42.0		37.8		33.6	
200			200	22.50	48.0		43.2		38.4	
250			250	18.00	60.0		54.0		48.0	
300			300	15.00	72.0		64.8		57.6	

彈簧模具

DWB 極重荷重 SUPER LOAD

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWB 8x10	8	4	10	16.94	2.0	35.0 (343)	1.8	30.5 (299)	1.6	26.0 (255)
15			15	11.30	3.0		2.7		2.4	
20			20	8.47	4.0		3.6		3.2	
25			25	6.78	5.0		4.5		4.0	
30			30	5.65	6.0		5.4		4.8	
35			35	4.84	7.0		6.3		5.6	
40			40	4.24	8.0		7.2		6.4	
45			45	3.77	9.0		8.1		7.2	
50			50	3.39	10.0		9.0		8.0	
55			55	3.08	11.0		9.9		8.8	
60			60	2.82	12.0		10.8		9.6	
DWB 10x20	10	5	20	11.25	4.0	45 (441)	3.6	41 (402)	3.2	36 (353)
25			25	9.00	5.0		4.5		4.0	
30			30	7.50	6.0		5.4		4.8	
35			35	6.43	7.0		6.3		5.6	
40			40	5.63	8.0		7.2		6.4	
45			45	5.00	9.0		8.1		7.2	
50			50	4.50	10.0		9.0		8.0	
55			55	4.09	11.0		9.9		8.8	
60			60	3.75	12.0		10.8		9.6	
65			65	3.47	13.0		11.7		10.4	
70			70	3.21	14.0		12.6		11.2	
75			75	3.00	15.0		13.5		12.0	
80			80	2.82	16.0		14.4		12.8	
DWB 12x20	12	6	20	14.50	4.0	58 (569)	3.6	52 (510)	3.2	46 (451)
25			25	11.60	5.0		4.5		4.0	
30			30	9.67	6.0		5.4		4.8	
35			35	8.29	7.0		6.3		5.6	
40			40	7.25	8.0		7.2		6.4	
45			45	6.44	9.0		8.1		7.2	
50			50	5.80	10.0		9.0		8.0	
55			55	5.27	11.0		9.9		8.8	
60			60	4.83	12.0		10.8		9.6	
65			65	4.44	13.0		11.7		10.4	
70			70	4.13	14.0		12.6		11.2	
75			75	3.85	15.0		13.5		12.0	
80			80	3.61	16.0		14.4		12.8	
DWB 14x25	14	7	25	15.00	5.0	75 (736)	4.5	68 (667)	4.0	60 (588)
30			30	12.50	6.0		5.4		4.8	
35			35	10.72	7.0		6.3		5.6	
40			40	9.38	8.0		7.2		6.4	
45			45	8.34	9.0		8.1		7.2	
50			50	7.50	10.0		9.0		8.0	
55			55	6.82	11.0		9.9		8.8	
60			60	6.25	12.0		10.8		9.6	
65			65	5.77	13.0		11.7		10.4	
70			70	5.36	14.0		12.6		11.2	
75			75	5.00	15.0		13.5		12.0	
80			80	4.69	16.0		14.4		12.8	
90			90	4.17	18.0		16.2		14.4	
DWB 16x25	16	8	25	20.00	5.0	100 (981)	4.5	90 (883)	4.0	80 (785)
30			30	16.67	6.0		5.4		4.8	
35			35	14.29	7.0		6.3		5.6	
40			40	12.50	8.0		7.2		6.4	
45			45	11.11	9.0		8.1		7.2	
50			50	10.00	10.0		9.0		8.0	
55			55	9.09	11.0		9.9		8.8	
60			60	8.34	12.0		10.8		9.6	
65			65	7.69	13.0		11.7		10.4	
70			70	7.14	14.0		12.6		11.2	
75			75	6.67	15.0		13.5		12.0	
80			80	6.25	16.0		14.4		12.8	
90			90	5.56	18.0		16.2		14.4	
100			100	5.00	20.0		18.0		16.0	

彈簧模具

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWB 18X25	18	9	25	25.00	5.0	125 (1,226)	4.5	113 (1,106)	4.0	100 (981)
30			30	20.84	6.0		5.4		4.8	
35			35	17.86	7.0		6.3		5.6	
40			40	15.63	8.0		7.2		6.4	
45			45	13.89	9.0		8.1		7.2	
50			50	12.50	10.0		9.0		8.0	
55			55	11.37	11.0		9.9		8.8	
60			60	10.42	12.0		10.8		9.6	
65			65	9.62	13.0		11.7		10.4	
70			70	8.93	14.0		12.6		11.2	
75			75	8.34	15.0		13.5		12.0	
80			80	7.82	16.0		14.4		12.8	
90			90	6.95	18.0		16.2		14.4	
100			100	6.26	20.0		18.0		16.0	
DWB 20X25	20	10	25	32.00	5.0	160 (1,569)	4.5	144 (1,412)	4.0	128 (1,255)
30			30	26.67	6.0		5.4		4.8	
35			35	22.86	7.0		6.3		5.6	
40			40	20.00	8.0		7.2		6.4	
45			45	17.78	9.0		8.1		7.2	
50			50	16.00	10.0		9.0		8.0	
55			55	14.55	11.0		9.9		8.8	
60			60	13.33	12.0		10.8		9.6	
65			65	12.31	13.0		11.7		10.4	
70			70	11.43	14.0		12.6		11.2	
75			75	10.67	15.0		13.5		12.0	
80			80	10.00	16.0		14.4		12.8	
90			90	8.89	18.0		16.2		14.4	
100			100	8.00	20.0		18.0		16.0	
125			125	6.40	25.0		22.5		20.0	
150			150	5.33	30.0		27.0		24.0	
DWB 22x25	22	11	25	39.00	5.0	195 (1,912)	4.5	176 (1,726)	4.0	156 (1,530)
30			30	32.50	6.0		5.4		4.8	
35			35	27.86	7.0		6.3		5.6	
40			40	24.38	8.0		7.2		6.4	
45			45	21.67	9.0		8.1		7.2	
50			50	19.50	10.0		9.0		8.0	
55			55	17.73	11.0		9.9		8.8	
60			60	16.25	12.0		10.8		9.6	
65			65	15.00	13.0		11.7		10.4	
70			70	13.93	14.0		12.6		11.2	
75			75	13.00	15.0		13.5		12.0	
80			80	12.19	16.0		14.4		12.8	
90			90	10.83	18.0		16.2		14.4	
100			100	9.75	20.0		18.0		16.0	
125			125	7.80	25.0		22.5		20.0	
150			150	6.50	30.0		27.0		24.0	

彈簧模具

錦鴻 JH

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回		50萬回		100萬回	
					壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)	壓縮量 (mm)	荷重 kgf(N)
DWB 25x25	27	13.5	25	49.00	5.0	245 (2,400)	4.5	221 (2,170)	4.0	196 (1,922)
30			30	40.80	6.0		5.4		4.8	
35			35	35.00	7.0		6.3		5.6	
40			40	30.60	8.0		7.2		6.4	
45			45	27.20	9.0		8.1		7.2	
50			50	24.50	10.0		9.0		8.0	
55			55	22.30	11.0		9.9		8.8	
60			60	20.40	12.0		10.8		9.6	
65			65	18.80	13.0		11.7		10.4	
70			70	17.50	14.0		12.6		11.2	
75			75	16.30	15.0		13.5		12.0	
80			80	15.30	16.0		14.4		12.8	
90			90	13.60	18.0		16.2		14.4	
100			100	12.30	20.0		18.0		16.0	
125			125	9.80	25.0		22.5		20.0	
150			150	8.17	30.0		27.0		24.0	
175			175	7.00	35.0		31.5		28.0	
DWB 27x25	27	13.5	25	58.00	5.0	290 (2,840)	4.5	261 (2,560)	4.0	232 (2,280)
30			30	48.33	6.0		5.4		4.8	
35			35	41.43	7.0		6.3		5.6	
40			40	36.25	8.0		7.2		6.4	
45			45	32.22	9.0		8.1		7.2	
50			50	29.00	10.0		9.0		8.0	
55			55	26.36	11.0		9.9		8.8	
60			60	24.17	12.0		10.8		9.6	
65			65	22.31	13.0		11.7		10.4	
70			70	20.71	14.0		12.6		11.2	
75			75	19.33	15.0		13.5		12.0	
80			80	18.13	16.0		14.4		12.8	
90			90	16.11	18.0		16.2		14.4	
100			100	14.50	20.0		18.0		16.0	
125			125	11.60	25.0		22.5		20.0	
150			150	9.67	30.0		27.0		24.0	
175			175	8.28	35.0		31.5		28.0	
DWB 30x25	30	15	25	72.00	5.0	360 (3,530)	4.5	324 (3,180)	4.0	288 (2,820)
30			30	60.00	6.0		5.4		4.8	
35			35	51.43	7.0		6.3		5.6	
40			40	45.00	8.0		7.2		6.4	
45			45	40.00	9.0		8.1		7.2	
50			50	36.00	10.0		9.0		8.0	
55			55	32.72	11.0		9.9		8.8	
60			60	30.00	12.0		10.8		9.6	
65			65	27.69	13.0		11.7		10.4	
70			70	25.71	14.0		12.6		11.2	
75			75	24.00	15.0		13.5		12.0	
80			80	22.50	16.0		14.4		12.8	
90			90	20.00	18.0		16.2		14.4	
100			100	18.00	20.0		18.0		16.0	
125			125	14.40	25.0		22.5		20.0	
150			150	12.00	30.0		27.0		24.0	
175			175	10.28	35.0		31.5		28.0	
200			200	9.00	40.0		36.0		32.0	

彈簧模具

呼稱 型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	定數 (kgf/mm)	30萬回 壓縮量 (mm)	30萬回 荷重 kgf(N)	50萬回 壓縮量 (mm)	50萬回 荷重 kgf(N)	100萬回 壓縮量 (mm)	100萬回 荷重 kgf(N)
DWB 35X40			40	61.25	8.0		7.2		6.4	
45			45	54.44	9.0		8.1		7.2	
50			50	49.00	10.0		9.0		8.0	
55			55	44.54	11.0		9.9		8.8	
60			60	40.83	12.0		10.8		9.6	
65			65	37.69	13.0		11.7		10.4	
70			70	35.00	14.0		12.6		11.2	
75	35	17.5	75	32.67	15.0	490 (4,810)	13.5	441 (4,320)	12.0	392 (3,840)
80			80	30.62	16.0		14.4		12.8	
90			90	27.22	18.0		16.2		14.4	
100			100	24.50	20.0		18.0		16.0	
125			125	19.60	25.0		22.5		20.0	
150			150	16.33	30.0		27.0		24.0	
175			175	14.00	35.0		31.5		28.0	
200			200	12.25	40.0		36.0		32.0	
DWB 40X40			40	80.00	8.0		7.2		6.4	
50			50	64.00	10.0		9.0		8.0	
60			60	53.33	12.0		10.8		9.6	
70			70	45.71	14.0		12.6		11.2	
80			80	40.00	16.0		14.4		12.8	
90			90	35.55	18.0		16.2		14.4	
100	40	20	100	32.00	20.0	640 (6,280)	18.0	576 (5,650)	16.0	512 (5,020)
125			125	25.60	25.0		22.5		20.0	
150			150	21.33	30.0		27.0		24.0	
175			175	18.28	35.0		31.5		28.0	
200			200	16.00	40.0		36.0		32.0	
250			250	12.80	50.0		45.0		40.0	
DWB 50x50			50	100.00	10.0		9.0		8.0	
55			55	90.95	11.0		9.9		8.8	
60			60	83.33	12.0		10.8		9.6	
65			65	76.96	13.0		11.7		10.4	
70			70	71.42	14.0		12.6		11.2	
75			75	66.70	15.0		13.5		12.0	
80			80	62.50	16.0		14.4		12.8	
90			90	55.55	18.0		16.2		14.4	
100	50	25	100	50.00	20.0	1,000 (9,810)	18.0	900 (8,830)	16.0	800 (7,850)
125			125	40.00	25.0		22.5		20.0	
150			150	33.33	30.0		27.0		24.0	
175			175	28.57	35.0		31.5		28.0	
200			200	25.00	40.0		36.0		32.0	
250			250	20.00	50.0		45.0		40.0	
300			300	16.66	60.0		54.0		48.0	
DWB 60x60			60	120.00	12.0		10.8		9.6	
70			70	102.86	14.0		12.6		11.2	
80			80	90.00	16.0		14.4		12.8	
90			90	80.00	18.0		16.2		14.4	
100			100	72.00	20.0		18.0		16.0	
125	60	30	125	57.60	25.0	1,440 (14,120)	22.5	1,296 (12,710)	20.0	1,152 (11,300)
150			150	48.00	30.0		27.0		24.0	
175			175	41.14	35.0		31.5		28.0	
200			200	36.00	40.0		36.0		32.0	
250			250	28.80	50.0		45.0		40.0	
300			300	24.00	60.0		54.0		48.0	

DWR 塑膠模用耐熱彈簧(銀色)

DWR HEATPROOF SPRING FOR PLASTIC MOLD (SILVER)

DAEWON MEGA COIL SPRING (D.W.S.)

■特點

- ●最大自由長爲60%時耐用壽命是30萬次
- ●初壓自由長50%以上,使用變形量爲自由長的50%耐用壽命可達100萬次

■容許差

直徑	外徑	內徑	自由長度	卷曲方向	直角度	荷重	密着長
Φ8	$14.5^{+0}_{-0.4}$	$9.0^{+0.4}_{-0}$	50以下 ±0.5 55以上 ±1%	右	2° 以下	±10%	自由長度40%
Φ10	$17.0^{+0}_{-0.6}$	$11.0^{+0.6}_{-0}$					
Φ12	$21.0^{+0}_{-0.8}$	$13.0^{+0.8}_{0}$					
Φ15	26.0^{+0}_{-1}	16.5^{+1}_{-0}					
Φ20	32.0^{+0}_{-1}	21.0^{+1}_{-0}					
Φ25	39.0^{+0}_{-1}	26.0^{+1}_{-0}					
Φ30	$46.0^{+0}_{-1.2}$	$32.0^{+1.2}_{-0}$					

■外徑增長規律

DWR14.5	DWR17	DWR21	DWR26	DWR32	DWR39	DWR46
+0.15	+0.1	+0.1	+0.15	+0.2	+0.26	+0.4

DWR

DWR 塑膠模用耐熱彈簧 (銀色)

DWR HEATPROOF SPRING FOR PLASTIC MOLD (SILVER)

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	密着長 (mm)	定數 (kgf/mm)	自由長x40% 壓縮量 (mm)	自由長x40% 荷重 kgf(N)	自由長x45% 壓縮量 (mm)	自由長x45% 荷重 kgf(N)	自由長x50% 壓縮量 (mm)	自由長x50% 荷重 kgf(N)
DWR 14.5x20			20	8.0	1.10	8.0		9.0		10.0	
25			25	10.0	0.88	10.0		11.3		12.5	
30			30	12.0	0.73	12.0		13.5		15.0	
35			35	14.0	0.63	14.0		15.8		17.5	
40			40	16.0	0.55	16.0		18.0		20.0	
45			45	18.0	0.49	18.0		20.3		22.5	
50			50	20.0	0.44	20.0		22.5		25.0	
55			55	22.0	0.40	22.0		24.8		27.5	
60	14.5	9.0	60	24.0	0.37	24.0	9.0 (88.3)	27.0	10.0 (98.1)	30.0	11.0 (107.9)
65			65	26.0	0.34	26.0		29.3		32.5	
70			70	28.0	0.31	28.0		31.5		35.0	
75			75	30.0	0.29	30.0		33.8		37.5	
80			80	32.0	0.28	32.0		36.0		40.0	
90			90	36.0	0.24	36.0		40.5		45.0	
100			100	40.0	0.22	40.0		45.0		50.0	
125			125	50.0	0.18	50.0		56.3		62.5	
DWR 17x25			25	10.0	1.52	10.0		11.3		12.5	
30			30	12.0	1.27	12.0		13.5		15.0	
35			35	14.0	1.09	14.0		15.8		17.5	
40			40	16.0	0.95	16.0		18.0		20.0	
45			45	18.0	0.84	18.0		20.3		22.5	
50			50	20.0	0.76	20.0		22.5		25.0	
55			55	22.0	0.69	22.0		24.8		27.5	
60			60	24.0	0.63	24.0		27.0		30.0	
65	17.0	11.0	65	26.0	0.58	26.0	15.0 (147.1)	29.3	17.0 (166.7)	32.5	19.0 (186.3)
70			70	28.0	0.54	28.0		31.5		35.0	
75			75	30.0	0.51	30.0		33.8		37.5	
80			80	32.0	0.48	32.0		36.0		40.0	
90			90	36.0	0.42	36.0		40.5		45.0	
100			100	40.0	0.38	40.0		45.0		50.0	
125			125	50.0	0.30	50.0		56.3		62.5	
150			150	60.0	0.25	60.0		67.5		75.0	
DWR 21x30			30	12.0	1.40	12.0		13.5		15.0	
35			35	14.0	1.20	14.0		15.8		17.5	
40			40	16.0	1.05	16.0		18.0		20.0	
45			45	18.0	0.93	18.0		20.3		22.5	
50			50	20.0	0.84	20.0		22.5		25.0	
55			55	22.0	0.76	22.0		24.8		27.5	
60			60	24.0	0.70	24.0		27.0		30.0	
65			65	26.0	0.65	26.0		29.3		32.5	
70	21.0	13.0	70	28.0	0.60	28.0	17.0 (166.7)	31.5	19.0 (186.3)	35.0	21.0 (205.9)
75			75	30.0	0.56	30.0		33.8		37.5	
80			80	32.0	0.53	32.0		36.0		40.0	
90			90	36.0	0.47	36.0		40.5		45.0	
100			100	40.0	0.42	40.0		45.0		50.0	
125			125	50.0	0.34	50.0		56.3		62.5	
150			150	60.0	0.28	60.0		67.5		75.0	
DWR 26x30			30	12.0	2.73	12.0		13.5		15.0	
35			35	14.0	2.34	14.0		15.8		17.5	
40			40	16.0	2.05	16.0		18.0		20.0	
45			45	18.0	1.82	18.0		20.3		22.5	
50			50	20.0	1.64	20.0		22.5		25.0	
55			55	22.0	1.49	22.0		24.8		27.5	
60			60	24.0	1.37	24.0		27.0		30.0	
65			65	26.0	1.26	26.0		29.3		32.5	
70			70	28.0	1.17	28.0		31.5		35.0	
75			75	30.0	1.09	30.0		33.8		37.5	
80	26.0	16.5	80	32.0	1.03	32.0	33.0 (323.0)	36.0	37.0 (362.8)	40.0	41.0 (402.1)
90			90	36.0	0.91	36.0		40.5		45.0	
100			100	40.0	0.82	40.0		45.0		50.0	
110			110	44.0	0.75	44.0		49.5		55.0	
125			125	50.0	0.66	50.0		56.3		62.5	
150			150	60.0	0.55	60.0		67.5		75.0	
175			175	70.0	0.47	70.0		78.8		87.5	
200			200	80.0	0.41	80.0		90.0		100.0	

彈簧模具

DWR 塑膠模用耐熱彈簧 (銀色)

DWR HEATPROOF SPRING FOR PLASTIC MOLD (SILVER)

呼稱型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	密着長 (mm)	定數 (kgf/mm)	自由長x40% 壓縮量 (mm)	自由長x40% 荷重 kgf(N)	自由長x45% 壓縮量 (mm)	自由長x45% 荷重 kgf(N)	自由長x50% 壓縮量 (mm)	自由長x50% 荷重 kgf(N)
DWR 32x40			40	16.0	2.55	16.0		18.0		20.0	
45			45	18.0	2.27	18.0		20.3		22.5	
50			50	20.0	2.04	20.0		22.5		25.0	
60			60	24.0	1.70	24.0		27.0		30.0	
70			70	28.0	1.46	28.0		31.5		35.0	
80			80	32.0	1.28	32.0		36.0		40.0	
90			90	36.0	1.13	36.0		40.5		45.0	
100	32.0	21.0	100	40.0	1.02	40.0	41.0 (402.1)	45.0	46.0 (451.1)	50.0	51.0 (500.1)
110			110	44.0	0.93	44.0		49.5		55.0	
125			125	50.0	0.82	50.0		56.3		62.5	
150			150	60.0	0.68	60.0		67.5		75.0	
175			175	70.0	0.58	70.0		78.8		87.5	
200			200	80.0	0.51	80.0		90.0		100.0	
250			250	100.0	0.41	100.0		112.5		125.0	
300			300	120.0	0.34	120.0		135.0		150.0	
DWR 39x40			40	16.0	2.75	16.0		18.0		20.0	
45			45	18.0	2.44	18.0		20.3		22.5	
50			50	20.0	2.20	20.0		22.5		25.0	
60			60	24.0	1.83	24.0		27.0		30.0	
70			70	28.0	1.57	28.0		31.5		35.0	
80			80	32.0	1.38	32.0		36.0		40.0	
90			90	36.0	1.22	36.0		40.5		45.0	
100	39.0	26.0	100	40.0	1.10	40.0	44.0 (431.5)	45.0	50.0 (409.3)	50.0	55.0 (539.4)
110			110	44.0	1.00	44.0		49.5		55.0	
125			125	50.0	0.88	50.0		56.3		62.5	
150			150	60.0	0.73	60.0		67.5		75.0	
175			175	70.0	0.63	70.0		78.8		87.5	
200			200	80.0	0.55	80.0		90.0		100.0	
250			250	100.0	0.44	100.0		112.5		125.0	
300			300	120.0	0.37	120.0		135.0		150.0	
DWR 46x50			50	20.0	2.48	20.0		22.5		25.0	
60			60	24.0	2.07	24.0		27.0		30.0	
70			70	28.0	1.77	28.0		31.5		35.0	
80			80	32.0	1.55	32.0		36.0		40.0	
90			90	36.0	1.38	36.0		40.5		45.0	
100			100	40.0	1.24	40.0		45.0		50.0	
110	46.0	32.0	110	44.0	1.13	44.0	50.0 (490.3)	49.5	56.0 (549.2)	55.0	62.0 (608.0)
125			125	50.0	0.99	50.0		56.3		62.5	
150			150	60.0	0.83	60.0		67.5		75.0	
175			175	70.0	0.71	70.0		78.8		87.5	
200			200	80.0	0.62	80.0		90.0		100.0	
250			250	100.0	0.50	100.0		112.5		125.0	
300			300	120.0	0.41	120.0		135.0		150.0	

彈簧模具

DWY 塑膠模用耐熱彈簧（紫色）

DWR HEATPROOF SPRING FOR PLASTIC MOLD(PURPLE)

呼稱 型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	密着長 (mm)	定數 (kgf/mm)	自由長x40% 壓縮量 (mm)	自由長x40% 荷重 kgf(N)	自由長x45% 壓縮量 (mm)	自由長x45% 荷重 kgf(N)	自由長x50% 壓縮量 (mm)	自由長x50% 荷重 kgf(N)
DWY 14.5x20			20	8.0	1.90	8.0		9.0		10.0	
25			25	10.0	1.52	10.0		11.3		12.5	
30			30	12.0	1.27	12.0		13.5		15.0	
35			35	14.0	1.09	14.0		15.8		17.5	
40			40	16.0	0.95	16.0		18.0		20.0	
45			45	18.0	0.84	18.0		20.3		22.5	
50			50	20.0	0.76	20.0		22.5		25.0	
55	14.5	9.0	55	22.0	0.69	22.0	15.0 (147.1)	24.8	17.0 (166.7)	27.5	19.0 (186.3)
60			60	24.0	0.63	24.0		27.0		30.0	
65			65	26.0	0.58	26.0		29.3		32.5	
70			70	28.0	0.54	28.0		31.5		35.0	
75			75	30.0	0.51	30.0		33.8		37.5	
80			80	32.0	0.48	32.0		36.0		40.0	
90			90	36.0	0.42	36.0		40.5		45.0	
100			100	40.0	0.38	40.0		45.0		50.0	
125			125	50.0	0.30	50.0		56.3		62.5	
DWY 17x25			25	10.0	2.24	10.0		11.3		12.5	
30			30	12.0	1.87	12.0		13.5		15.0	
35			35	14.0	1.60	14.0		15.8		17.5	
40			40	16.0	1.40	16.0		18.0		20.0	
45			45	18.0	1.24	18.0		20.3		22.5	
50			50	20.0	1.12	20.0		22.5		25.0	
55			55	22.0	1.02	22.0		24.8		27.5	
60	17.0	11.0	60	24.0	0.93	24.0	22.0 (215.7)	27.0	25.0 (245.2)	30.0	28.0 (274.6)
65			65	26.0	0.86	26.0		29.3		32.5	
70			70	28.0	0.80	28.0		31.5		35.0	
75			75	30.0	0.75	30.0		33.8		37.5	
80			80	32.0	0.70	32.0		36.0		40.0	
90			90	36.0	0.62	36.0		40.5		45.0	
100			100	40.0	0.56	40.0		45.0		50.0	
125			125	50.0	0.45	50.0		56.3		62.5	
150			150	60.0	0.37	60.0		67.5		75.0	
DWY 21x30			30	12.0	2.40	12.0		13.5		15.0	
35			35	14.0	2.06	14.0		15.8		17.5	
40			40	16.0	1.80	16.0		18.0		20.0	
45			45	18.0	16.0	18.0		20.3		22.5	
50			50	20.0	1.44	20.0		22.5		25.0	
55			55	22.0	1.31	22.0		24.8		27.5	
60			60	24.0	1.20	24.0		27.0		30.0	
65	21.0	13.0	65	26.0	1.11	26.0	29.0 (284.4)	29.3	32.0 (313.8)	32.5	36.0 (353.0)
70			70	28.0	1.03	28.0		31.5		35.0	
75			75	30.0	0.96	30.0		33.8		37.5	
80			80	32.0	0.90	32.0		36.0		40.0	
90			90	36.0	0.80	36.0		40.5		45.0	
100			100	40.0	0.72	40.0		45.0		50.0	
125			125	50.0	0.58	50.0		56.3		62.5	
150			150	60.0	0.48	60.0		67.5		75.0	
DWY 26x30			30	12.0	3.53	12.0		13.5		15.0	
35			35	14.0	3.03	14.0		15.8		17.5	
40			40	16.0	2.65	16.0		18.0		20.0	
45			45	18.0	2.36	18.0		20.3		22.5	
50			50	20.0	2.12	20.0		22.5		25.0	
55			55	22.0	1.93	22.0		24.8		27.5	
60			60	24.0	1.77	24.0		27.0		30.0	
65			65	26.0	1.63	26.0		29.3		32.5	
70			70	28.0	1.51	28.0	42.0 (411.9)	31.5	48.0 (470.7)	35.0	63.0 (519.8)
75	26.0	16.5	75	30.0	1.41	30.0		33.8		37.5	
80			80	32.0	1.33	32.0		36.0		40.0	
90			90	36.0	1.18	36.0		40.5		45.0	
100			100	40.0	1.06	40.0		45.0		50.0	
110			110	44.0	0.96	44.0		49.5		55.0	
125			125	50.0	0.85	50.0		56.3		62.5	
150			150	60.0	0.71	60.0		67.5		75.0	
175			175	70.0	0.61	70.0		78.8		87.5	
200			200	80.0	0.53	80.0		90.0		100.0	

彈簧模具

DWY 塑膠模用耐熱彈簧（紫色）

DWR HEATPROOF SPRING FOR PLASTIC MOLD(PURPLE)

呼稱 型號	外徑 (mm)	內徑 (mm)	自由長 (mm)	密着長 (mm)	定數 (kgf/mm)	自由長x40% 壓縮量 (mm)	自由長x40% 荷重 kgf(N)	自由長x45% 壓縮量 (mm)	自由長x45% 荷重 kgf(N)	自由長x50% 壓縮量 (mm)	自由長x50% 荷重 kgf(N)
DWY 32x40			40	16.0	3.55	16.0		18.0		20.0	
45			45	18.0	3.16	18.0		20.3		22.5	
50			50	20.0	2.84	20.0		22.5		25.0	
60			60	24.0	2.37	24.0		27.0		30.0	
70			70	28.0	2.03	28.0		31.5		35.0	
80			80	32.0	1.78	32.0		36.0		40.0	
90			90	36.0	1.58	36.0	57.0 (559.0)	40.5	64.0 (627.6)	45.0	71.0 (696.3)
100	32.0	21.0	100	40.0	1.42	40.0		45.0		50.0	
110			110	44.0	1.29	44.0		49.5		55.0	
125			125	50.0	1.14	50.0		56.3		62.5	
150			150	60.0	0.95	60.0		67.5		75.0	
175			175	70.0	0.81	70.0		78.8		87.5	
200			200	80.0	0.71	80.0		90.0		100.0	
250			250	100.0	0.57	100.0		112.5		125.0	
300			300	120.0	0.47	120.0		135.0		150.0	
DWY 39x40			40	16.0	4.65	16.0		18.0		20.0	
45			45	18.0	4.13	18.0		20.3		22.5	
50			50	20.0	3.72	20.0		22.5		25.0	
60			60	24.0	3.10	24.0		27.0		30.0	
70			70	28.0	2.66	28.0		31.5		35.0	
80			80	32.0	2.33	32.0		36.0		40.0	
90			90	36.0	2.07	36.0	74.0 (725.7)	40.5	84.0 (823.8)	45.0	93.0 (912.0)
100	39.0	26.0	100	40.0	1.86	40.0		45.0		50.0	
110			110	44.0	1.69	44.0		49.5		55.0	
125			125	50.0	1.49	50.0		56.3		62.5	
150			150	60.0	1.24	60.0		67.5		75.0	
175			175	70.0	1.06	70.0		78.8		87.5	
200			200	80.0	0.93	80.0		90.0		100.0	
250			250	100.0	0.74	100.0		112.5		125.0	
300			300	120.0	0.62	120.0		135.0		150.0	
DWY 46x50			50	20.0	4.96	20.0		22.5		25.0	
60			60	24.0	4.13	24.0		27.0		30.0	
70			70	28.0	3.54	28.0		31.5		35.0	
80			80	32.0	3.10	32.0		36.0		40.0	
90			90	36.0	2.76	36.0		40.5		45.0	
100			100	40.0	2.48	40.0	99.0 (970.9)	45.0	112.0 (1098.3)	50.0	124.0 (1216.0)
110	46.0	32.0	110	44.0	2.25	44.0		49.5		55.0	
125			125	50.0	1.98	50.0		56.3		62.5	
150			150	60.0	1.65	60.0		67.5		75.0	
175			175	70.0	1.42	70.0		78.8		87.5	
200			200	80.0	1.24	80.0		90.0		100.0	
250			250	100.0	0.99	100.0		112.5		125.0	
300			300	120.0	0.83	120.0		135.0		150.0	

彈簧模具

DAEWON MEGA COIL SPRING(D.W.S.)

彈簧模具

■怎樣選擇超重型彈簧

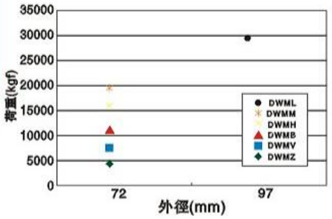
舉例：按所需荷重挑選彈簧型號

項目	①荷重	②彈簧外徑	③工作壽命	④彈簧內徑
內容	600kgf	D 50mm	100萬次	48mm

- ●請如右表所示將所需項目從規格表中挑選出來
- ●請參考100萬資荷重曲綫圖。
- ●通過垂綫軸上的911kgf荷重與橫綫軸上外徑D72所匯聚的交點，得知彈簧規格爲重荷重DWMH
- ●接下來，請找出重荷重的參照表，從100萬次工作壽命的竪列中找到變形量爲64mm。
- ●你可以挑選出規格爲DWMH72×250的模具彈簧，如下圖。

系列	外徑	內徑	自由長度	定數	100萬次	
					變形量	荷重
DWMH72×250	50	27.5	250	12.5	48	600

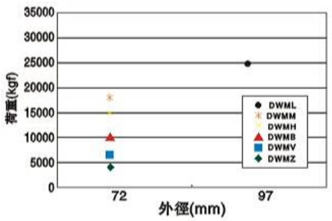
■30萬次荷重曲綫圖



■彈簧工作壽命與壓縮比關系圖

規格 \ 工作壽命	300,000次
0.5 噸型 DWML(輕荷重)	50.0%自由長度
0.75 噸型 DWMM(中荷重)	40.0%自由長度
1.0 噸型 DWMH(重荷重)	32.0%自由長度
1.5 噸型 DWMB(極重荷重)	24.0%自由長度
2.0 噸型 DWMV(超極重荷重)	20.0%自由長度
3.0 噸型 DWMZ(超極重荷重)	30.0%自由長度

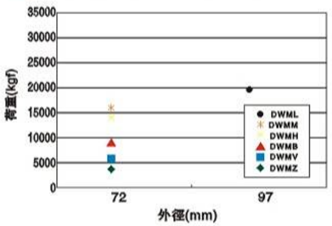
■50萬次荷重曲綫圖



■彈簧工作壽命與壓縮比關系圖

規格 \ 工作壽命	500,000次
0.5 噸型 DWML(輕荷重)	45.0%自由長度
0.75 噸型 DWMM(中荷重)	36.0%自由長度
1.0 噸型 DWMH(重荷重)	28.8%自由長度
1.5 噸型 DWMB(極重荷重)	21.6%自由長度
2.0 噸型 DWMV(超極重荷重)	18.0%自由長度
3.0 噸型 DWMZ(超極重荷重)	25.0%自由長度

■100萬次荷重曲綫圖



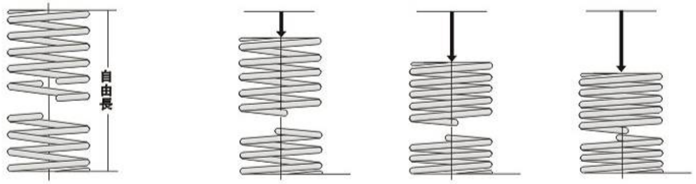
■彈簧工作壽命與壓縮比關系圖

規格 \ 工作壽命	1000,000次
0.5 噸型 DWML(輕荷重)	40.0%自由長度
0.75 噸型 DWMM(中荷重)	32.0%自由長度
1.0 噸型 DWMH(重荷重)	25.6%自由長度
1.5 噸型 DWMB(極重荷重)	19.2%自由長度
2.0 噸型 DWMV(超極重荷重)	16.0%自由長度
3.0 噸型 DWMZ(超極重荷重)	20.0%自由長度

彈簧模具

■超重型彈簧工作壽命與壓縮比關系圖

規格 \ 工作壽命	100萬次 自由長度的百分比	50萬次 自由長度的百分比	30萬次 自由長度的百分比	顏色
0.5 噸型 DWML(輕荷重)	40.0%	45.0%	50.0%	綠色
0.75 噸型 DWMM(中荷重)	32.0%	36.0%	40.0%	藍色
1.0 噸型 DWMH(重荷重)	25.6%	28.8%	32.0%	紅色
1.5 噸型 DWMB(極重荷重)	19.2%	21.6%	24.0%	黃色
2.0 噸型 DWMV(超極重荷重)	16.0%	18.0%	20.0%	棕色
3.0 噸型 DWMZ(超極重荷重)	35.6%	28.8%	32.0%	黑色



■超重型彈簧的公差

外徑	內徑	自由長度	荷重	卷曲方向
+0mm −2.0mm	+2mm +0mm	±1%	±10%	右

DWML 0.5 Ton Type (Green) 輕荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的50.0% 30萬次(0.3 million)		自由長的45.0% 50萬次(0.5 million)		自由長的40.0% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMB	72	90	50.5	10.51	45.0	473 (4,640)	40.0	426 (4,180)	36.0	378 (3,705)
		100		9.46	50.0		45.0		40.0	
		125		7.57	62.5		56.3		50.0	
		150		6.31	75.0		67.5		60.0	
		175		5.41	87.5		78.8		70.0	
		200		4.73	100.0		90.0		80.0	
		250		3.78	125.0		112.5		100.0	
		300		3.15	150.0		135.0		120.0	

DWMM 0.75 Ton Type (Blue) 中荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的40.0% 30萬次(0.3 million)		自由長的36.0% 50萬次(0.5 million)		自由長的32.0% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMM	72	90	47.0	20.9	36.0	752 (7,375)	32.4	677 (6,640)	28.8	602 (5,905)
		100		18.8	40.0		36.0		32.0	
		125		15.04	50.0		45.0		40.0	
		150		12.53	60.0		54.0		48.0	
		175		10.74	70.0		63.0		56.0	
		200		9.4	80.0		72.0		64.0	
		250		7.52	100.0		90.0		80.0	
		300		6.27	120.0		108.0		96.0	

DWMH 1 Ton Type (Red) 重荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的32.0% 30萬次(0.3 million)		自由長的28.8.0% 50萬次(0.5 million)		自由長的25.6.0% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMH	72	90	44.0	39.6	28.8	1,139 (11,170)	25.9	1,025 (10,050)	23.0	911 (8,935)
		100		35.6	32.0		28.8		25.6	
		125		28.5	40.0		36.0		32.0	
		150		23.7	48.0		43.2		38.4	
		175		20.3	56.0		50.4		44.8	
		200		17.8	64.0		57.6		51.2	
		250		14.2	80.0		72.0		64.0	
		300		11.9	96.0		86.4		76.8	

DWMB 1.5 Ton Type (Green)極重荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的24.0% 30萬次(0.3 million)		自由長的21.6% 50萬次(0.5 million)		自由長的19.2% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMB	72	90	40.5	76.2	21.6	1,661 (16,290)	19.44	1,495 (14,660)	17.28	1,329 (13,035)
		100		69.2	24.0		21.6		19.2	
		125		55.4	30.0		27.0		24.0	
		150		46.2	36.0		32.4		28.8	
		175		39.6	42.0		37.8		33.6	
		200		34.6	48.0		43.2		38.4	
		250		27.7	60.0		54.0		48.0	
		300		23.1	72.0		64.8		57.6	

DWMV 2 Ton Type (Blue)超極重荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的250.0% 30萬次(0.3 million)		自由長的18.0% 50萬次(0.5 million)		自由長的16.0% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMV	72	90	38.5	111.1	18.0	2,000 (19,615)	16.2	1,800 (17,650)	14.4	1,600 (15,690)
		100		100.0	20.0		18.0		16.0	
		125		80.0	25.0		22.5		20.0	
		150		66.7	30.0		27.0		24.0	
		175		57.1	35.0		31.5		28.0	
		200		50.0	40.0		36.0		32.0	
		250		40.0	50.0		45.0		40.0	
		300		33.0	60.0		54.0		48.0	

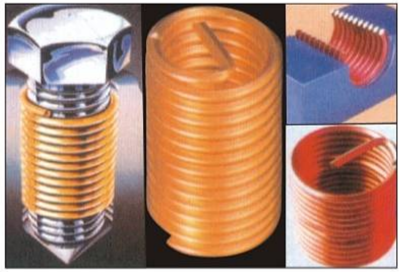
DWMZ 3 Ton Type (Red)超極重荷重 MEGA COIL SPRING

規格	外徑 (mm)	自由長 (mm)	內徑 (mm)	定數 (Kgf/mm)	自由長的32.0% 30萬次(0.3 million)		自由長的28.8% 50萬次(0.5 million)		自由長的25.6% 100萬次(1 million)	
					壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)	壓縮量(mm)	荷重 Kgf(N)
DWMZ	97	150	56.5	66.7	45.0	3,000 (29,420)	37.5	2,500 (24,520)	30.0	2,000 (19,615)
		175		57.1	52.5		43.8		35.0	
		200		50.0	60.0		50.0		40.0	
		250		40.0	75.0		62.5		50.0	
		300		33.3	90.0		75.0		60.0	

彈簧模具

嵌入式彈簧

纏繞在螺釘上質量最棒!



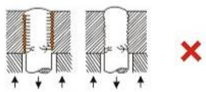
嵌入式彈簧的特徵描述：

堅硬的螺釘直接固定在合金內部

不銹鋼螺釘直接固定在合金內部，很容易脫落。同理，固定在塑料、木材中也一樣。

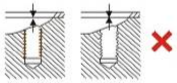
增加抗疲勞度

按圖示布力，是嵌入式彈簧可顯著增加抗疲勞度。



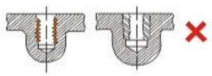
配合螺釘使用可提高其耐用性

配合螺釘使用可防止一些損耗、侵蝕、鬆動等現象的發生，即使它被頻繁的拆裝，也可有效的保證其經久的耐用性。



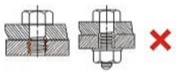
減少體積和質量

與常規螺釘軸襯相比，可大大減少占用空間和總量。



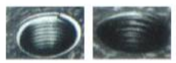
操作簡便

安裝時衹需輕鬆施力即可固定，配有彈簧的螺釘可儲存一定力量，從而大大提高產品質量。

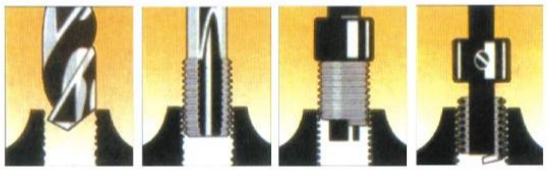


受損螺釘的復制品

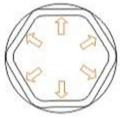
一些殘次品及破損螺釘如果配合嵌入式彈簧使用，可減輕修補工作或得到再生利用。



安裝示意圖



鎖型彈簧



在中部有一個多邊形的鎖扣，起固定作用。

Type of Thread	Size Thread	Hole under Tap		Free Outer Diameter:A		Number of Coils Nf ± 1/4			Standard Type	Lock Type
		Max.	Min.	Max.	Min.	1D	1.5D	2D	Stainless Steel	Stainless Steel
Metric Coarse Thread	M2.2 –0.45	2.39	2.30	3.00	2.80	3 1/8	5 3/8	7 5/8	○	○
	M2.5 –0.45	2.69	2.60	3.50	3.15	3 3/4	6 3/8	8 7/8	○	○
	M2.6 –0.45	2.79	2.70	3.60	3.25	4	6 5/8	9 1/4	○	○
	M3 –0.5	3.20	3.11	4.10	3.85	4	6 5/8	9 1/4	○	○
	(M3 –0.6)	3.20	3.13	4.15	3.80	3 3/8	5 3/4	8	○	○
	M3.5 –0.6	3.75	3.64	4.85	4.50	3 7/8	6 1/2	9	○	○
	M4 –0.7	4.29	4.16	5.40	5.20	3 7/8	6 3/8	8 7/8	○	○
	(M4 –0.75)	4.23	4.17	5.55	5.05	3 3/4	6 1/4	8 3/4	○	○
	M4.5 –0.75	4.81	4.67	6.10	5.60	4 1/8	6 3/4	9 3/8	○	○
	M5 –0.8	5.33	5.18	6.60	6.35	4 3/8	7 1/8	9 7/8	○	○
	(M5 –0.9)	5.25	5.20	6.65	6.10	3 3/4	6 1/4	8 3/4	○	○
	(M5.5 –0.9)	5.75	5.70	7.35	6.85	4 1/8	6 3/4	9 1/2	○	○
	M6 –1.0	6.40	6.22	8.00	7.50	4 1/4	7 1/8	10	○	○
	M7 –1.0	7.40	7.22	9.10	8.60	5 1/4	8 5/8	11 3/4	○	○
	M8 –1.25	8.48	8.28	10.30	9.75	4 5/8	7 3/8	10 1/4	○	○
	M9 –1.25	9.48	9.28	11.40	10.85	5	8 3/8	11 3/4	○	○
	M10 –1.5	10.56	10.33	12.65	12.10	5	8	11	○	○
	M11 –1.5	11.56	11.33	13.65	13.10	5 5/8	9 1/8	12 5/8	○	○
	M12 –1.75	12.64	12.38	15.00	14.35	5	8 1/4	11 3/8	○	○
	(M13 –1.75)	13.42	13.38	16.15	15.55	5 5/8	9 1/8	12 5/8	○	○
	M14 –2.0	14.73	14.44	17.45	16.55	5 1/4	8 1/2	11 3/4	○	○
	M16 –2.0	16.73	16.44	19.50	18.75	6 1/8	9 7/8	13 1/2	○	○
	M18 –2.5	18.89	18.55	22.15	21.50	5 5/8	9	12 1/2	○	○
	M20 –2.5	20.89	20.55	24.20	23.55	6 3/8	10 1/8	14	○	○
	M22 –2.5	22.89	22.55	26.10	25.35	7 1/8	11 1/4	15 1/2	○	○
	M24 –3.0	25.05	24.65	28.75	27.95	6 3/8	10 1/8	14	○	○
	M27 –3.0	28.05	27.65	32.10	31.05	7 1/4	11 1/2	15 7/8	○	○
	M30 –3.5	31.20	30.76	35.70	34.70	6 7/8	11	15	○	○
	M33 –3.5	34.20	33.76	39.10	37.95	7 1/2	12	16 1/2	○	○
	M36 –4.0	37.34	36.87	42.75	41.60	7 1/8	11 3/8	15 5/8	○	○
	M39 –4.0	40.34	39.87	45.70	44.80	7 7/8	12 1/8	17 1/8	○	○
	M42 –4.5	43.50	42.98	49.30	48.15	7 1/2	12	16 3/8	○	○
	M6 –0.75	6.31	6.17	8.00	7.50	5 7/8	9 3/8	12 7/8	○	○
Metric Fine Thread	M8 –1.0	8.40	8.22	10.20	9.65	6	9 1/2	13	○	○
	M8 –0.75	8.31	8.16	10.05	9.55	8 1/4	13	17 3/4	○	○
	M9 –1.0	9.40	9.22	11.25	10.75	6 7/8	10 7/8	14 7/8	○	○
	M10 –1.25	10.48	10.28	12.65	12.10	5 7/8	9 1/2	13 1/8	○	○
	M10 –1.0	10.40	10.22	12.45	11.95	7 7/8	12 3/8	17	○	○
	(M11 –1.25)	11.52	11.31	13.80	13.20	6 3/4	10 3/4	14 5/8	○	○
	M12 –1.5	12.56	12.33	15.15	14.50	6	9 1/2	12 1/8	○	○
	M12 –1.25	12.48	12.28	14.90	14.30	7 3/8	11 5/8	16	○	○
	M12 –1.0	12.40	12.22	14.65	14.00	9 5/8	15	20 1/2	○	○
	(M13 –1.5)	13.55	13.33	15.90	15.30	6 5/8	10 5/8	14 1/2	○	○
	M14 –1.5	14.56	14.33	17.80	17.20	7	11 1/8	15 3/8	○	○
	M16 –1.5	16.56	16.33	19.70	19.05	8 1/2	13 3/8	18 1/8	○	○
	M16 –1.0	16.40	16.22	19.30	18.65	13 1/8	20 1/4	27 3/8	○	○
	M18 –1.5	18.56	18.33	21.85	21.20	9 3/4	15 1/8	20 5/8	○	○
	M20 –2.0	20.73	20.44	24.40	23.75	7 7/8	12 1/2	17	○	○
	M20 –1.5	20.56	20.33	24.65	23.90	10 3/8	16 1/8	22	○	○
	M22 –1.5	22.56	22.33	26.30	25.50	12 1/8	18 3/4	25 1/2	○	○
	M24 –2.0	24.73	24.44	28.85	28.05	9 5/8	15 1/8	20 1/2	○	○
	M24 –1.5	24.56	24.33	28.25	27.50	13 1/8	20 3/8	27 5/8	○	○
	M27 –2.0	27.73	27.44	32.15	31.40	11	17 1/4	23 1/4	○	○
	M28 –1.5	28.56	28.33	32.60	31.85	15 3/4	24 3/8	32 7/8	○	○
	M30 –3.0	31.05	30.65	36.00	35.00	7 7/8	12 1/2	17 1/8	○	○
	M30 –2.0	30.73	30.44	35.45	34.55	12 3/8	19 1/4	26 1/8	○	○
	M30 –1.5	30.56	30.33	35.10	34.15	17	26	35 1/8	○	○
	M33 –3.0	34.05	33.65	40.20	39.40	8 3/4	13 3/4	18 3/4	○	○
	M33 –2.0	33.73	33.44	38.75	38.00	13 3/4	21 1/4	28 3/4	○	○
	M36 –3.0	37.05	36.65	43.10	42.20	9 3/4	15 1/8	20 5/8	○	○
	M39 –3.0	40.05	39.65	46.40	45.50	10 5/8	16 1/2	22 1/2	○	○
	M42 –3.0	43.05	42.65	49.65	48.60	11 1/2	18	24 3/8	○	○
	M45 –2.0	45.73	45.44	51.65	50.75	19 1/4	29 5/8	—	○	○
	M48 –3.0	49.05	48.65	56.10	55.20	13 1/2	20 3/4	—	○	○
	M52 –3.0	53.05	52.65	60.40	59.50	—	22 1/2	—	○	○

微型氮氣彈簧指數
MICRO GAS SPRING INDEX

微型系列:精密氮氣弹簧
MICRO SERIES:PRECISION GAS SPRINGS

AFB
20-50 daN
7-80 mm
Φ12

AFJ
20-90 daN
7-80 mm
Φ19

AFD
50-2000 daN
7-100 mm
Φ25

AF
50-2000daN
15-80 mm
Φ25

AFC
50-2000daN
10-125 mm
Φ25

AFK
25-100daN
10-80 mm
Φ20

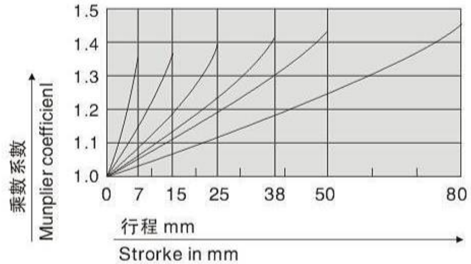
微型系列
- 縮減化尺寸(56-295mm)
- 尤其適合需要低壓力的精密系統(20-200daN)
- 螺旋彈簧的理想替代品

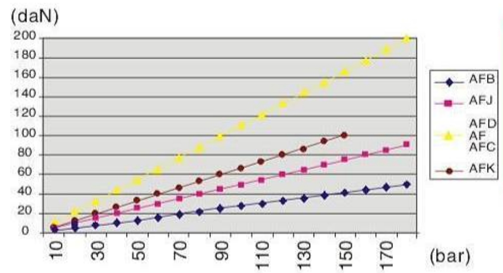
SERIE MICRO:
- Reduced dimensions(56-295daN).
- Specially suited for high precision systems that require low forces(20-200daN).
- Ideal for replacing cail springs.

AFB ....
AFJ ....
AFD ....
AF ....
AFN ....
AFN-A ....
AFC ....
AFK ....

微型系列特征
ABOUT MICRO SERIES

型號 MODEL	彈力 FORCE (daN)	缸體 BODY (mm)	可否修復 REPAIR	可否連接 CONNECTION	充氣口徑 FILLING PORT
AFB	50	12	否NO	NO	M6
AFJ	90	19	否NO	NO	M6
AFD	200	25	否NO	NO	M6
AF	200	25	否NO	NO	M6
AFN	200	25	是YES	NO	M6
AFN-A	200	25	是YES	NO	M6
AFC	200	25	是YES	NO	M6
AFK	100	20	是YES	NO	M6





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium	N_2
最大充氣壓力/Max.charging pressure	180bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -100°
最大活塞杆速度/Max.Piston rod speed	1.6m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	No

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目録以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

技術
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達180巴的氮氣，

Gas springs are containers charged with nitrogen gas at maximum pressure of 180 bar.

未經拆卸或未確保完全釋放，
請勿操作氮氣彈簧任何部件。

Do not manipulate any part of gas spring without being sure that it is completely discharged.or you are trained in handling the process of unload.

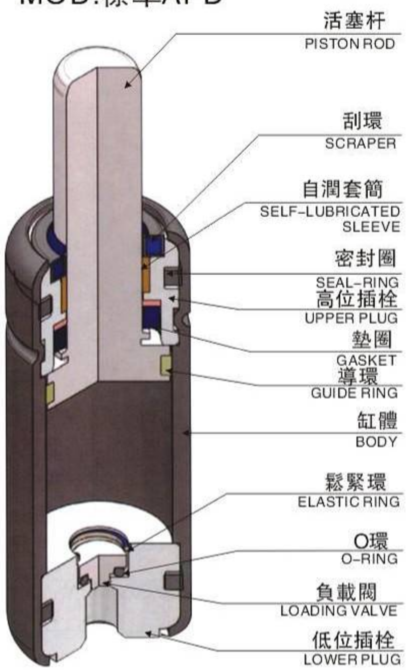
Azo1氮氣彈簧符合關于壓力設備指令(PED)的歐共體指令的97//23/CE,該CE簽定標記衹有符合上述指令才會被激光雕刻上去。

Azolgas gas springs meel European Community Directive 97/23/CE related to Pressure Equipment Devices(PED).and CE Mark identiticalion only will be laser etched according to the mentioned Direclive.

未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

Never handie gas springs by personnel withour the appropriate training,and atways following the outlined operating instructions from Azoigas.

MOD.STANDARD AFD
MOD.標準AFD



微氮氣彈簧尤其適用于高精密系統和需要小彈力及狹小空間的常規使用。
可被放入袋内或于邊緣系緊。
Samll gas springs specially suited for high precision systems and general appl cations that require little forces and reduced spaces,They can be dropped into a pocket in the die or fastened by flanges.

SERVICIO PERSONALIZADO PARA SU MERCADO GLOBAL
CUSTOMIZED SERVICE FOR YOUR GLOBAL MARKET

標準氮氣彈簧指數
STANDARD GAS SPRING INDEX

APF 150	APF 250	APF 500	AG 750	AG 1500
150 daN	250 daN	500 daN	750 daN	1500 daN
10-125mm	10-125mm	10-160mm	12.7-300mm	12.7-300mm
Φ32	Φ38	Φ45	Φ50	Φ75

AG 3000	AG 5000	AG 7500	AG 10000
3000 daN	5000 daN	7500 daN	10000 daN
12.7-300mm	12.7-300mm	12.7-300mm	12.7-300mm
Φ95	Φ120	Φ150	Φ195

标准系列
- 標準汽車/ISO
- 有安全裝置和高速型可選用
- 可選項:1/8"氮氣雙充氣口

SERIE STANDARE:
- Standard automobile/ISO.
- Safety devices and high speed models availables.
- Option:Double filling port 1/8"Gas

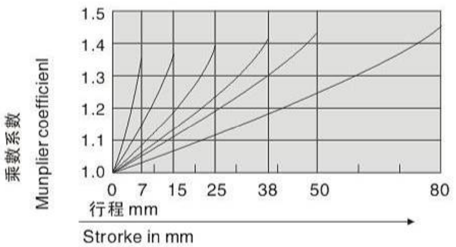
APF-150 ------------	AG-1500 XCF(S)------	AG-5000 CB(S) ------
APF-A-150 ----------	AG-1500 RGV(S)------	AG-5000 CBV(S) ------
APF-250 ------------	AG-1500 CB(S) ------	AG-7500 XCF(S) ------
APF-A-250 ----------	AG-1500 CBV(S)------	AG-7500 RGV(S) ------
APF-C-250 -----------	AG-3000 XCF(S)------	AG-7500 CB(S) ------
APF-500 ------	AG-3000 RGV(S)------	AG-7500 CBV(S) ------
AG-750 XCF(S) ------	AG-3000CB(S) ------	AG-10000 XCF(S) ------
AG-750 RGV(S) ------	AG-3000CBV(S) ------	AG-10000 RGV(S) ------
AG-750 CB(S) ------	AG-5000XCF(S) ------	AG-10000 CB(S) ------
AG-750 CBV(S) ------	AG-5000 RGV(S)------	AG-10000 CBV(S)

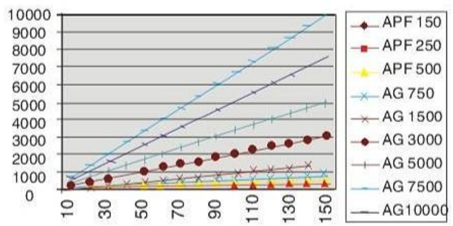
氮氣彈簧 Nitrogen oxide mold

標準系列特征
ABOUT STANDARD SERIES

型號 MODEL	彈力 FORCE (daN)	Φ缸體 ΦBODY (mm)	可否修復 REPAIR	可否連接 CONNECTION	充氣口徑 FILLING PORT
APF-150	150	32	是/YES	NO	M8
APF-A-150	150	32	是/YES	NO	M6
APF-250	250	38	是/YES	NO	M6
APF-A-250	250	38	是/YES	NO	M6
APF-C-250	250	38	是/YES	是/YES	1/8"Gas
APF-500	500	45	是/YES	是/YES	1/8"Gas
AG-750 XCF(S)	750	50	是/YES	是/YES	1/8"Gas
AG-1500 XCF(S)	1500	75	是/YES	是/YES	1/8"Gas
AG-3000 XCF(S)	3000	95	是/YES	是/YES	1/8"Gas
AG-5000 XCF(S)	5000	120	是/YES	是/YES	1/8"Gas
AG-7500 XCF(S)	7500	150	是/YES	是/YES	1/8"Gas
AG-10000 XCF(S)	10000	195	是/YES	是/YES	1/8"Gas

連接系統請參考M6-M8充氣口徑的Azol氮氣彈簧.
Consull AZOLGAS about connecied systems for gas spring s with M6-=M8 flling port.





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium .... N_2
最大充氣壓力/Max.charging pressure 180bar
最小充氣壓力/Min.charging pressure 20bar
工作溫度/Operating temperature .... 0° -100°
最大活塞杆速度/Max.Piston rod speed 1.6m/s
可否再充氣/Refillable .... 是/Yes
可否連接/Connection .... No

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目錄以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

氮氣彈簧 Nitrogen oxide mold

技術特征
TECHNICAL FEATURES

安全要求SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達150巴的氮氣,

Gas springs are containers charged with nitrogen gas at maximum pressure of 150 bar.

未經拆卸或未確保完全釋放,
請勿操作氮氣彈簧任何部件。

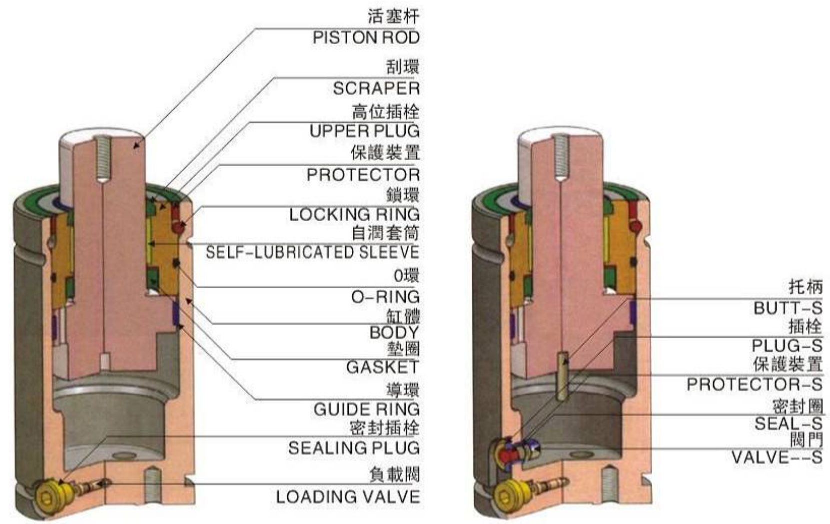
Do not manipulate any part of gas spring without being sure that it is completely discharged.or you are trained in handling the process of unload.

A zol氮氣彈簧符合關于壓力設備指令(PED)的歐共體指令的97//23CE，該CE簽定標記袛有符合上述指令才會被激光雕刻上去。

Azolgas gas springs meel European Community Directive 97/23/CE related to Pressure Equipment Devices(PED),and CE Mark identiticalion only will be laser etched according to the mentioned Direclivde

未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol 列述的操作指南。

Never handie gas springs by personnel withoure the appropriate training,and atways following the outlined Operating instructions from Azoigas.



安全裝置操作指南
SAFETY DEVICE OPERATING INTRUCTIONS

Azol氮氣彈簧爲防止過度衝擊而提供了二個可選安全裝置，增加一個安全網。
當汽缸超過他它的最大衝程1mm時，托柄 會接觸缸體底部。
托柄的主要目的時爲了讓安全裝置在裝配過程中不起作用，當活塞杆接觸閥門時，
汽缸釋放氮氣。

Azol Gas offers as an option a sefely debice by adding a security valve in case of overstroke When cylinder 1mm its max,stroke,a butt contacts the bottom of the body ,The main porpase of the bult is not let the salely debice works during assembling prodess,When piston rod contacts the valve the cylinder become discharged.

氮氣彈簧 Nitrogen oxide mold

DGS氮氣彈簧指數
DGS GAS SPRING INDEX

DGS系列：阻尼氮氣彈簧
DGS SERIES:DAMPED GAS SPRINGS

DGS 750
750 daN
12.7-300mm
Φ50

DGS 1500
1500 daN
12.7-300mm
Φ75

DGS 3000
3000 daN
12.7-300mm
Φ95

DGS 5000
5000 daN
12.7-300mm
Φ120

DGS 7500
7500 daN
12.7-300mm
Φ150

DGS 10000
10000 daN
12.7-300mm
Φ195

-壓力不斷增加并且持續加速
-襯墊上的衝擊力更小
-降低保養成本，提高產量
-保持所有尺度，壓力和鬆緊度均按ISO系列
-Progressive increase of pressure and constant acceleration
-Lower impact on press cushion
-Reduce maintenance costsb improving production
-Keep all dimensions forces and fastening from thr ISO series.

DGS-750 --
DGS-1500 --
DGS-3000 --
DGS-5000 --
DGS-7500 --
DGS-10000 --

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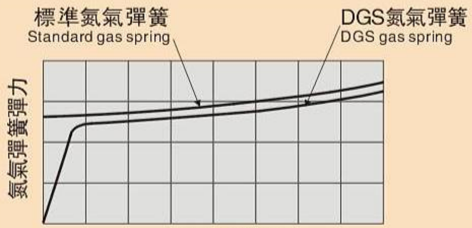
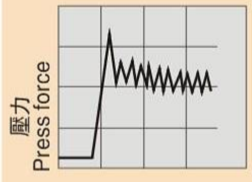
DGS系列特征
ABOUT DGS SERIES

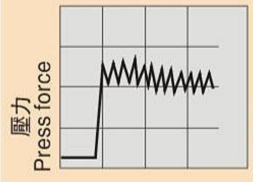
型號 MODEL	彈力 FORCE (daN)	Φ缸體 ΦBODY (mm)	可否修復 REPAIR	可否連接 CONNECTION	充氣口徑 FILLING PORT
DGS-750	750	50	是/YES	是/YES	1/8"Gas
DGS-1500	1500	75	是/YES	是/YES	1/8"Gas
DGS-3000	3000	95	是/YES	是/YES	1/8"Gas
DGS-5000	5000	120	是/YES	是/YES	1/8"Gas
DGS-7500	7500	150	是/YES	是/YES	1/8"Gas
DGS-10000	10000	195	是/YES	是/YES	1/8"Gas



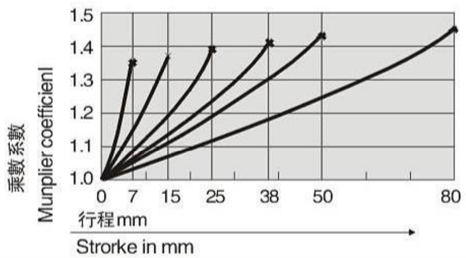
氮氣彈簧行程
DGS spring stroke

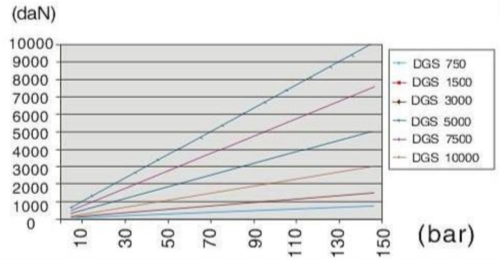


标准氮气弹簧行程
Standard gas spring stroke



DGS氮氣彈簧行程
DGS gas spring stroke





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium .... N_2
最大充氣壓力/Max.charging pressure 150bar
最小充氣壓力/Min.charging pressure 20bar
工作溫度/Operating temperature .... 0° -110°
最大活塞杆速度/Max.Piston rod speed 1.6m/s
可否再充氣/Refillable .... 是/Yes
可否連接/Connection .... 是/Yes

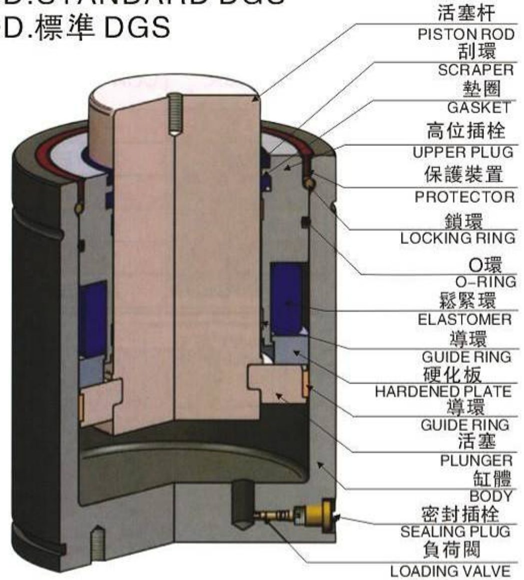
建議預留10%行程
A 10% stroke lenght allowance is recommended.

目録以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

氮氣彈簧 Nitrogen oxide mold

技術特征
TECHNICAL FEATURES

MOD.STANDARD DGS
MOD.標準 DGS



DGS氮氣彈簧專門設計于通過減少保養項目，讓工具和衝壓設備更易解决大部分常見問題，而達到更長預期使用壽命，由于降低了噪音水平而使其在更有效，更健康，安全的工作環境下産量更高。

氮氣彈簧衝程初始階段彈力的緩慢增加，使其加速平穩而均匀，從而使引導和工具上的摩擦減少，所有這些事項都節省了時間和保養成本。

氮氣彈簧的活塞對于高位插栓的阻尼作用降低了每次衝程的噪音水平，而成爲理想的防音裝置，并營造了一個健康、安全的工作環境。
通過氮氣彈簧傳導的振動很低，接着，品質元件的轉移更流暢，襯墊的操作更一致而改善了工作環境。

–Las vibraciones que transmiten los cilindros son menores,por lo que se logra una mejora sensible en las condiciones de produccion,facilitando el transportey la calidad de la piezay permitiendo unos movimientos de prensa mas uniformes.

DGS gas springs are specially designed to enjoy a longer life expectancy by reducing maintenance tasks that makes easier for the tool and press stamping facilities to face the most common challenges higher production in an more efficient,healthier and safer working environment thanks to the lower noise levels achieved.From the standard gas springs,improvements have been in troduced:

–Low force increase for the gas spring at the beginning of the stroke let a smooth and uniform acceleration that allows less wearing of guiding and sealing elements.In addition,it involves lower press efforts when start moving each gas spring rod and reduce wear on both press and tool.All these considerations save timing and maintenance costs.

–Damped effect for the gas spring plunger against the upper plug,makes considerable quieter the sound level produced in each stroke.contributing to a healthier and safer working environment.

–Vibrations transmitted by the gas spring are lower.this in turn,let improve production conditions by making easier quality part transfer and more uniform pad operation.

TB氮氣彈簧指數
TB GAS SPRING INDEX

TB系列：精密氮氣彈簧
TB SERIES：PRECISION GAS SPRINGS

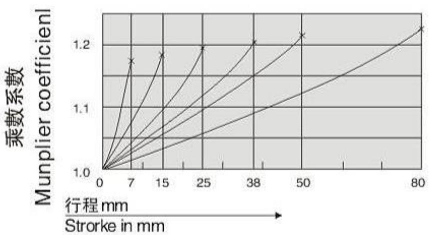
AG 750 TB 1500 daN 12.7–300mm Φ75	AG 1500 TB 3000 daN 12.7–300mm Φ95	AG 3000 TB 5000 daN 12.7–300mm Φ120	AG 5000 TB 7500 daN 12.7–300mm Φ150

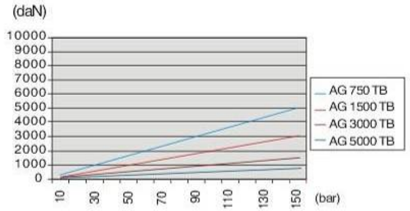
TB氮氣彈簧
–彈力和衝程依據ISO標準
–側面充氣口徑：1/8“氮氣
–更高氮氣容量
–更低壓力增加率
–更長預期使用壽命

TB GAS SPRINGS
–Forces and strokes according to ISO standard.
–Lateral filling port:1/8"Gas.
–Higher gas volume.
–Lower pressure rate increase.
–Longer life expectancy.

AG-TB系列特征
ABOUT AG-TB SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
AG-750 TB	750	75	是/YES	是/YES	1/8"Gas
AG-1500 TB	1500	95	是/YES	是/YES	1/8"Gas
AG-3000 TB	3000	120	是/YES	是/YES	1/8"Gas
AG-5000 TB	5000	150	是/YES	是/YES	1/8"Gas





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium .... N_2
最大充氣壓力/Max.charging pressure 150bar
最小充氣壓力/Min.charging pressure 20bar
工作溫度/Operating temperature .... 0° -110℃
最大活塞杆速度/Max.Piston rod speed 2m/s
可否再充氣/Refillable .... 是/Yes
可否連接/Connection .... 是/Yes

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目錄以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

SERVICIO PERSONALIZADO PARA SU MERCADO GLOBAL
CUSTOMIZED SERVICE FOR YOUR GLOBAL MARKET

技術特性
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達150巴的氮氣。

Gas springs are containers charged with nitrogen gas at maximum pressure of 150 bar.

未經拆卸訓練或未確何完全釋放。
請勿操作氮氣彈簧任何部件。

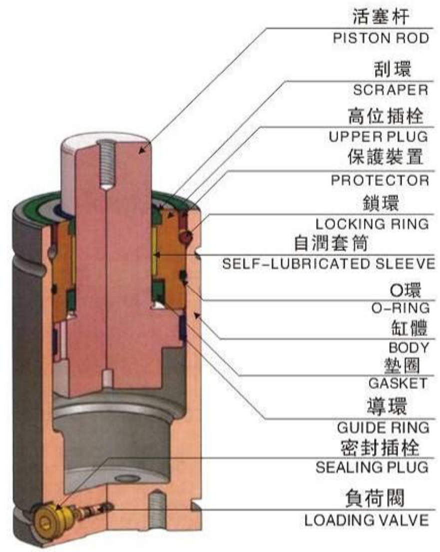
Do not manipuiate any part of gas spring without being sure that it is completely discharged.or you are trained in handling the process of unload.

Azol氮氣彈簧符合關于壓力設備指令(PED)的歐共體指令的97/23/CE，該CE鑒定標記衹有符合上述指令才會被激光雕刻上去。
未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

Azolgas gas springs meet European Community Directive 97/23/CE related to Pressure Equipment Devices(PED),and CE Mark identification only will be laser etched according to the mentioned Directive.

Never handle gas springs by personnel without the appropriate training,and always following the outlined operating instructions from Azolgas.

MOD.ESTANDARD TB



TB 氮氣彈簧建議使用在適合低彈力增加設備上
TB gas springs are reconnended for applicalions where a low for no ease s desirabfe

彈力範圍/Forces range: 750-3000daN
有效行程/Available strokes: 12.7-300mm
直徑/Diametres: 50-95mm
側面充氣口徑/Lateral filling port: .... 1/8"Gas

CW 氮氣彈簧指數
CW GAS SPRING INDEX

CW 系列：小型氮氣彈簧
CW SERIES：SMALL GAS SPRINGS

CW 170	CW 320	CW 350	CW 500	CW 750	CW 1000	CW 1500
170 daN	320 daN	350 daN	500 daN	750 daN	1000 daN	1500 daN
7-125mm	7-125mm	10-125mm	10-125mm	10-125mm	13-125mm	13-125mm
Φ19	Φ25	Φ32	Φ38	Φ45	Φ50	Φ63

CW 2400	CW 4200	CW 6600	CW 9500
2400 daN	4200 daN	6600 daN	9500 daN
5-125mm	16-125mm	16-125mm	19-125mm
Φ75	Φ95	Φ120	Φ150

小型系列/SMALL SERIES

CW系列技術特征
最小空間最大彈力
降低衝模結構成本
需要最佳引導狀況
CW 170-2400自容氮氣彈簧,M6
CW 4200-9500連接型氮氣彈簧，1/8"氮氣
CWC連接連接型氮氣彈簧，1/8"氮氣

TECHNICAL FEATURES ON CW SERIES:

The highest force in the smallest space.
Reduction of die construction costs.
Optimal guiding conditions required.
CW 170-2400 self-contained gas springs,M6.
CW 4200-9500 connected gas springs,18"Gas
CWC connected gas springs,1/8"Gas.

CW-170 ------------	CW-1000 ------------	CW-4200 ------------
CW-320 ------------	CWC-1000 ------------	CWC-4200 ------------
CW-350 ------------	CW-1500 ------------	CWS-4200 ------------
CW-500 ------------	CWC-1500 ------------	CW-6600 ------------
CW-750 ------------	CW-2400 ------------	CWS-6600 ------------
CWC-750 ------------	CWC-2400 ------------	CW-9500 ------------

氮氣彈簧 Nitrogen oxide mold

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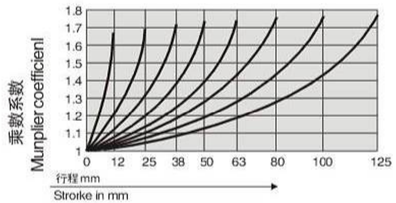
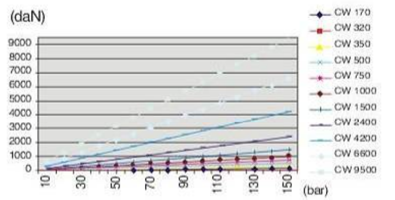
CW 系列特征
ABOUT CW SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
CW 170	170	19	是/YES	NO	M6
CW 320	320	25	是/YES	NO	M6
CW 350	350	32	是/YES	NO	M6
CW 500	500	38	是/YES	NO	M6
CW 750	750	45	是/YES	NO	M6
CW 1000	1000	50	是/YES	NO	M6
CW 1500	1500	63	是/YES	NO	M6
CW 2400	2400	75	是/YES	NO	M6
CW 4200	4200	95	是/YES	是/YES	1/8"Gas
CW 6600	6600	120	是/YES	是/YES	1/8"Gas
CW 9500	9500	150	是/YES	是/YES	1/8"Gas
CWC 750	750	45	是/YES	是/YES	1/8"Gas
CWC 1000	1000	50	是/YES	是/YES	1/8"Gas
CWC 1500	1500	63	是/YES	是/YES	1/8"Gas
CWC 2400	2400	75	是/YES	是/YES	1/8"Gas
CWC 4200	4200	95	是/YES	是/YES	1/8"Gas
CWS 4200	4200	95	是/YES	是/YES	1/8"Gas
CWS 6600	6600	120	是/YES	是/YES	1/8"Gas





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium	N_2
最大充氣壓力/Max.charging pressure	150bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -110°
最大活塞杆速度/Max.Piston rod speed	1.6m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	否/No

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目録以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

氮氣彈簧 Nitrogen oxide mold

CW系列技術指數
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達150巴的氮氣。
未經拆卸訓練或未確何完全釋放,
請勿操作氮氣彈簧任何部件。

Azol氮氣彈簧符合關于壓力設備指令(PED)的
歐共體指令的97/23/CE，該CE鑒定標記衹有
符合上述指令才會被激光雕刻上去。
未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

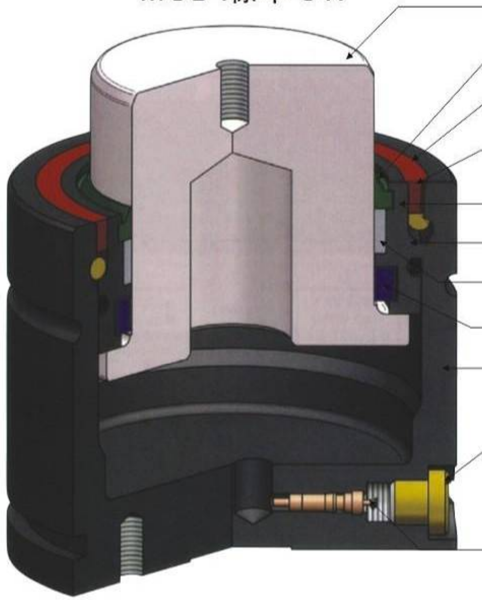
Gas springs are containers charged with nitrogen gas at maximum pressure of 150 bar.

Do not manipulate any part of gas spring without being sure that it is completely discharged.or you are trained in handling the process of unload.

Azolgas gas springs meet European Community Directive 97/23/CE related to Pressure Equipment Devices(PED),and CE Mark identification only will be laser etched according to the mentioned Directive.

Never handle gas springs by personnel without the appropriate training,and always following the outlined operating instructions from Azolgas.

MOD .標準 CW



小型系列/SMALL SERIES

CT-CTC-CTN氮氣彈簧系列是爲應用最小空間需要最大彈力而專門設計的。
是降低衝模結構成本的完美方案。需要最佳工作和引導狀况。

CT-CTC-CTN gas springs series are specially designed for applications demanding the highest force in the smallest space.The perfect way for die construction costs reduction. Best working and guiding conditions are required.

CP-CPS-CPH-CPHS 氮氣彈簧指數
CP-CPS-CPH-CPHS GAS SPRING INDEX

CP-CPS-CPH-CPHS系列：强力型
CP-CPS-CPH-CPHS SERIES：HIGHER FORCES

CP 300	CP 500	CPH 850	CP 1000	CPH1250
300 daN	500 daN	850 daN	1000 daN	1250 daN
10-80mm	10-80mm	12-80mm	10-80mm	12-80mm
Φ25	Φ32	Φ38	Φ38	Φ45

CPH 1700	CP 2000	CPH 2800	CP 3000	CPH 4300
1700 daN	2000 daN	2800 daN	3000 daN	4300 daN
12-80mm	10-80mm	12-80mm	10-80mm	10-80mm
Φ50	Φ50	Φ63	Φ63	Φ75

强力系列/HIGHER FORCES SERIES

CP-CPH系列技術特征
相同直徑下更大彈力
更大負荷壓力
可用連接系統
CP 300-500自容氮氣彈簧,M4-M6
CPH800-4300 自容氮氣彈簧，MC
CP1000-3000自容氮氣彈簧，M8
CPHS850-4300連接型氮氣彈簧，1/8"氮氣
Cp3 1000-3000連接型氮氣彈簧，1/8"氮氣

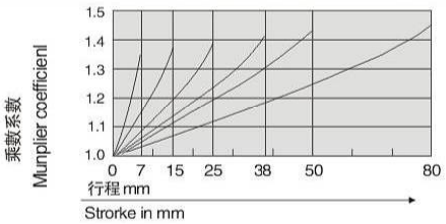
TECHNICAL FEATURES ON CP-CPH SERIES:
Higher forces in the same diameterΦ.
Higher loading pressure.
Connected systems available.
CP 300-500 self-contained gas springs,M4-M6.
CPH 850-4300 Self-contained gas springs,M6.
CP 1000-3000 self-contained gas springs,M8.
CPHS 850-4300 connected gas springs,1/8" Gas.
CPS 1000-3000 connected gas springs,1/8" Gas.

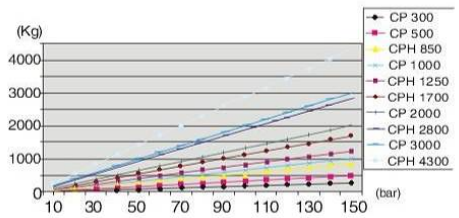
CP 300 --------------------------
CP 500 --------------------------
CPH 850 --------------------------
CPHS 850 --------------------------
CP 1000 --------------------------
CPS 1000 --------------------------
CPH 1250 --------------------------
CPHS 1250 --------------------------
CPH 1700 --------------------------

CPHS 1700 --------------------------
CP 2000 --------------------------
CPS 2000 --------------------------
CPH 2800 --------------------------
CPHS 2800 --------------------------
CP 3000 --------------------------
CPS 3000 --------------------------
CPH 4300 --------------------------
CPHS 4300 --------------------------

CP 系列特征
ABOUT CP SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
CP 300	300	25	是/YES	NO	M6
CP 500	500	32	是/YES	NO	M4
CPH 850	850	38	是/YES	NO	M6
CPHS 850	850	38	是/YES	是/YES	1/8 Gas
CP 1000	1000	38	是/YES	NO	M8
CPS 1000	1000	38	是/YES	是/YES	1/8 Gas
CPH 1250	1250	45	是/YES	NO	M6
CPHS 1250	1250	45	是/YES	是/YES	1/8 Gas
CPH 1700	1700	50	是/YES	NO	M6
CPHS 1700	1700	50	是/YES	是/YES	1/8"Gas
CP 2000	2000	50	是/YES	NO	M8
CPS 2000	2000	50	是/YES	是/YES	1/8"Gas
CPH 2800	2800	63	是/YES	NO	M6
CPHS 2800	2800	63	是/YES	是/YES	1/8"Gas
CP 3000	3000	63	是/YES	NO	M8
CPS 3000	3000	63	是/YES	是/YES	1/8"Gas
CPH 4300	4300	75	是/YES	NO	M6
CPHS 4300	4300	75	是/YES	是/YES	1/8"Gas





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium	N_2
最大充氣壓力/Max.charging pressure	180bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -100℃
最大活塞杆速度/Max.Piston rod speed	0.6m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	是/Yes

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目録以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

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CUSTOMIZED SERVICE FOR YOUR GLOBAL MARKET

技術特征
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達180巴的氮氣。

未經拆卸訓練或未確保完全釋放。

請勿操作氮氣彈簧任何部件。
Azol氮氣彈簧符合關于壓力設備指令(PED)的

歐共體指令的97/23/CE，該CE鑒定標記衹有符合上述指令才會被激光雕刻上去。

未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

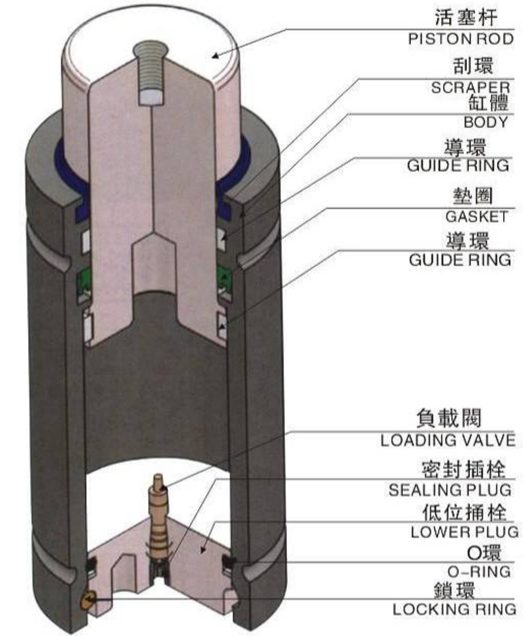
Gas springs are containers charged with nitrogen gas at maximum pressure of 180 bar.

Do not manipulate any part of gas spring without being sure that it is completely discharged.or you are trained in handling the process of unload.

Azolgas gas springs meet European Community Directive 97/23/CE related to Pressure Equipment Devices(PED),and CE Mark identification only will be laser etched according to the mentioned Directive.

Never handle gas springs by personnel without the appropriate training,and always following the outlined operating instructions from Azolgas.

MOD 標準 CP MOD.STANDAKD CP



强力系列/HIGHER FORCES SERIES

CP-CPS-CPH-CPHS氮氣彈簧系列是爲滿足保持相同直徑下比標準氮氣彈簧更大彈力而專門設計的。這些活塞負荷(180巴)比標準的更大。

CP-CPS-CPH-CPHS gas springs series are specially designed for applications demanding higher force keeping the same diatmeter than standard gas springs.These cylinders are loaded at a higher pressure(180 bar) than Standard ones.

氮氣彈簧 Nitrogen oxide mold

CS 氮氣彈簧指數
CS GAS SPRING INDEX

CS 系列：精密氮氣彈簧
CS SERIES:PRECISION GAS SPRINGS

CS 420
420 daN
6-50mm
Φ25

CS 770
770 daN
6-50mm
Φ32

CS 1000
1000 daN
6-50mm
Φ38

CS 1800
1800 daN
6-50mm
Φ50

CS 3000
3000 daN
10-50mm
Φ63

CS 4700
4700 daN
10-50mm
Φ75

CS 7500
7500 daN
10-50mm
Φ95

CS 11800
11800 daN
10-50mm
Φ120

CS 18300
18300 daN
10-50mm
Φ150

CS系列技術特征
- 最大彈力(達到18300daN)
- 短行程(10-50mm)
- 需要流體總體保護
- 可通過KNCS 1/8"氮氣連接裝置連接
- CSE：側面充氣口徑1/8"

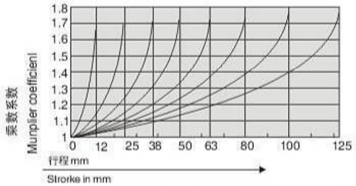
TECHNICAL FEATURES ON CS SERIES:
- Highest forces(up to 18300 daN).
- Short strokes(10-50mm).
- Total protection from fluids required.
- Connetion avilalble through connector KNCS 1/8"Gas.
- CSE:Side filling port 1/8"Gas.

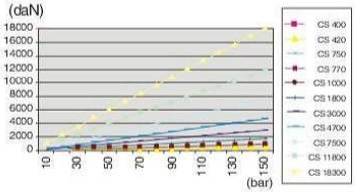
CS 400
CS 420
CSE 420
CS 750 ----------------.
CS770
CSE770
CS 1000
CSE 1000
CS 1800
CSE 1800

CS 3000 ----------------.
CSE 3000 ----------------.
CS 4700 ----------------.
CSE 4700 ----------------.
CS 7500 ----------------.
CSE 7500 ----------------.
CS 11800 ----------------.
CSE 11800 ----------------.
CS 18300 ----------------.
CSE 18300 ----------------.

CS 系列特征
ABOUT CS SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
CS 400	400	25	是/YES	NO	M6
CS 420	420	25	是/YES	NO	M6
CSE 420	420	25	是/YES	NO	M6
CS 750	750	32	是/YES	NO	M6
CS 770	770	32	是/YES	NO	M6
CSE 770	770	32	是/YES	NO	M6
CS 1000	1000	38	是/YES	NO	M6
CSE1000	1000	38	是/YES	是/YES	1/8"Gas
CS 1800	1800	50	是/YES	是/YES	1/8"Gas
CSE 1800	1800	50	是/YES	是/YES	1/8"Gas
CS 3000	3000	63	是/YES	是/YES	M6
CSE 3000	3000	63	是/YES	是/YES	1/8"Gas
CS 4700	4700	75	是/YES	是/YES	1/8"Gas
CSE 4700	4700	75	是/YES	是/YES	1/8"Gas
CS 7500	7500	95	是/YES	是/YES	1/8"Gas
CSE 7500	7500	95	是/YES	是/YES	1/8"Gas
CS 11800	11800	120	是/YES	是/YES	1/8"Gas
CSE 11800	11800	120	是/YES	是/YES	1/8"Gas
CS 18300	18300	150	是/YES	是/YES	1/8"Gas
CSE 18300	18300	180	是/YES	是/YES	1/8"Gas





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium	N_2
最大充氣壓力/Max.charging pressure	150bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -110°
最大活塞杆速度/Max.Piston rod speed	0.5m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	否/No

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目錄以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

技術特征
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達150巴的氮氣。

Gas springs are containers charged with nitogen gas at maximum pressure of 150 bar.

未經拆卸訓練或未確保完全釋放。
請勿操作氮氣彈簧任何部件。

Do not manpulate any part of gas spring without being sure that it is completely discharged.or you are trained in gandling ghe process of unloda.

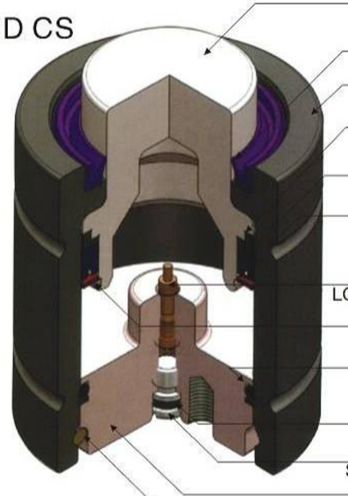
Azol氮氣彈簧符合關于壓力設備指令(PED)的歐共體指令的97/23/CE，該CE鑒定標記衹有符合上述指令才會被雕刻上去。

Azolgas gas springs mael European Community Directive 97/23/CE ralatad to Presure Equpmenl Davices(PED),and CE Mark idenificalon only will be laser atched according to the mentoned Diredve.

未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

Never hande gas springs by pernel vithout the appropriate training,and always following the outined operating instructions from Azolgas.

MOD.標準 CS
MOD STANDARD CS



活塞杆
PISTON ROD
刮環
SCRAPER
缸體
BODY
導環
GUIDE RING
墊圈
GASKET
硬化環
HARD RING
負載閥
LOADING VALVE
鬆緊環
ELASTIC RING
O環
O-RING
O環
O-RING
密封插栓
SEALING PLUG
低位插栓
LOWER PLUG
鎖環
LOCKING RING

CS系列技術特征

- 最大彈力(達到18300daN)
- 短行程(10-50mm)
- 需要流體總體保護
- 可通過KNCS 1/8"氮氣連接裝置連接
- CES：側面充氣口徑 爲1/8"氮氣

TECHNICAL FEATURES ON CS SERIES:

- Highest forces(up to 18300 dan).
- Short strokes (10-50mm).
- Total prolection from fluids required.
- Connetion avilable through connectlr
- Cse:side filling port 1/8" gas

氮氣彈簧 Nitrogen oxide mold

氮氣彈簧指數
GAS SPRING INDEX

帶孔氮氣彈簧指數
HOLLOW GAS SPRING INDEX

VH 500
500 daN
10-100mm
Φ50

VH 1200
1200 daN
10-100mm
Φ75

VH 2200
2200 daN
10-100mm
Φ95

牽引氮氣彈簧指數
TRACTION GAS SPRING INDEX

AG 180 ART
180 daN
15-160mm
Φ32

AG 300 ART
300 daN
15-160mm
Φ39.5

AG 500 ART
500 daN
15-160mm
Φ50

AG 750 ART
750 daN
15-160mm
Φ60

AG 1200 ART
1200 daN
15-160mm
Φ74.5

AG 1500 ART
1500 daN
15-160mm
Φ90

VH-500 --
VH-1200 --
VH-2200 --
AG 180 ART --
AG 300 ART --
AG 500 ART --
AG 750 ART --
AG 1200 ART --
AG 1500 ART --

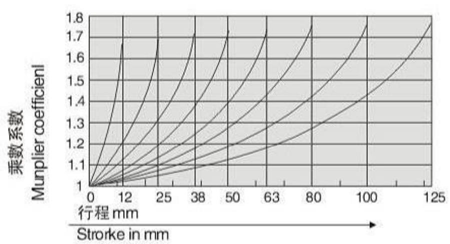
氮氣彈簧 Nitrogen oxide mold

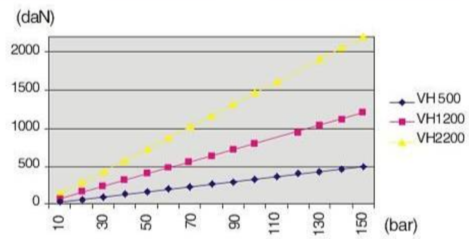
帶孔系列特征
ABOUT HOLLOW SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
VH 500	500	50	是/YES	NO	M6
VH 1200	1200	75	是/YES	NO	M6
VH 2200	2200	95	是/YES	NO	M6

牽引系列特征
ABOUT TRACTION SERIES

型号 MODEL	弹力 FORCE (daN)	Φ缸体 ΦBODY (mm)	可否修复 REPAIR	可否连接 CONNECTION	充气口径 FILLING PORT
AG 180 ART	180	32	/YES	NO	1/8"Gas
AG 300 ART	300	39.5	/YES	NO	1/8"Gas
AG 500 ART	500	50	/YES	NO	1/8"Gas
AG 750 ART	750	60	/YES	NO	1/8"Gas
AG 1200 ART	1200	74.5	/YES	NO	1/8"Gas
AG 1500 ART	1500	90	/YES	NO	1/8"Gas





壓力增加圖表 依據使用行程	PRESSURE INCREASE DIAGRAM ACCORDING TO STROKE USED	彈力圖表 依據負荷壓力	FORCE DIAGRAM ACCORDING TO LOADING PRESSURE

壓力介質/Pressure medium	N_2
最大充氣壓力/Max.charging pressure	150bar
最小充氣壓力/Min.charging pressure	20bar
工作溫度/Operating temperature	0° -100℃
最大活塞杆速度/Max.Piston rod speed	0.5m/s
可否再充氣/Refillable	是/Yes
可否連接/Connection	否/Yes

建議預留10%行程
A 10% stroke lenght allowance is recommended.

目錄以外之特殊氮氣彈簧可以訂購
Special gas springs out of catalogue are manufactured under order

氮氣彈簧 Nitrogen oxide mold

技術特征
TECHNICAL FEATURES

安全要求 SAFETY REQUIREMENTS

氮氣彈簧裏面填充最大壓力達150巴的氮氣。

Gas springa are containers charged with nitrogon gas at maximum pressure kf 150 bar.

未經拆卸訓練或未確保完全釋放。
請勿操作氮氣彈簧任何部件。

Do not manipulate any part of gas spring without being sure that it is compietely .or you are trained in handing the process of unload.

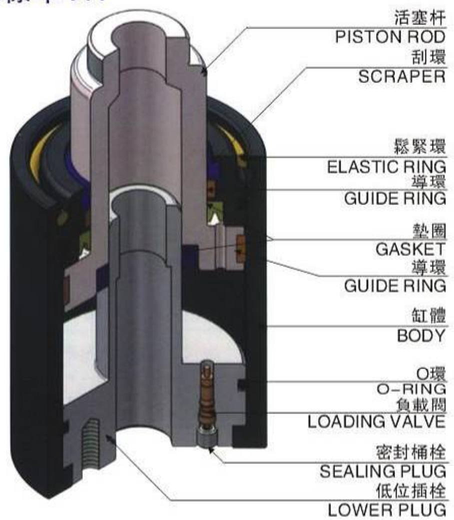
Azol氮氣彈簧符合關于壓力設備指令(PED)的歐共體指令的97/23/CE，該CE鑒定標記衹有符合上述指令才會被激光雕刻上去。

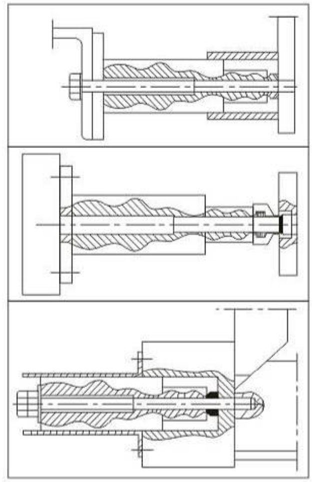
Azo lgas gas springs meet European Community Directive 97/23/CE related to Pressure Equipment Devices(FED),And CE Mark idenufication only will be laser etched according to the mentioned Directive.

未經適當訓練，請勿私自操作氮氣彈簧。
并始終遵守Azol列述的操作指南。

Never handle gas springs by personnel without the appropriate training,and always following the outlined operating instructions from Azolgas.

MOD.STANDAR VH
MOD.標準VH





操作舉例
OPERATING EXAMPLES

作爲機械工具中的減震器
作爲凸輪裝置的返回彈簧

作爲下料模中的彈簧栓
作爲衝孔模的基部,衝頭和固定器

As a shock absorber in machine tools.
As a return spring in cam units.
As a spring bolt in blanking dies.
As a bottom.Punch and retainer in piercing dies.

氮氣彈簧 Nitrogen oxide mold

5110 雙向衝子成型器

PUNCH FORMER

5115 單向衝子成型器

PUNCH FORMER

5120 三爪衝子型器

3-JAWS PUNCH FORMER

5125 筒夾式ER衝子成型器

ER COLLET PUNCH FORMER

5145 衝子研磨機

PUNCH GRINDER

5150 衝子研磨機

PUNCH GRINDER

5155 電動衝子研磨機

MOTOR PUNCH GRINDER

5240 砂輪角度成型器

ANGLE SINE DRESSER

5243 精密R成型器

PRECISION CONCAVE CONVEX FORMING DRESSER

5210 萬能砂輪修整器

UNIVERSAL WHEEL DRESSER

5215 砂輪修整器

RADIUS AND ANGLE DRESSER

5230 透視萬能砂輪修整器

VISUAL RADIUS ANGLE DRESSER

5235 精密砂輪厚度修整器

PRECISION DUPLEX ORESSER

5242 精密砂輪厚度修整器

PRECISION DUPLEX DRESSER

5250 鑽石砂輪修整器

DIAMOND CBN FLAT WHEEL TRUER

5460 精密虎鉗平行墊規

PRECISION PARALLELS SET

5420 可調式角度墊規

ADJUSTABLE ANGLE PLATES

5310 磨床用砂輪法蘭

FLANGE

5430 附夾V型臺

A PAIR OF V BLCKS

5470 磁性V型臺

MAGNETC V-BLOCK

5486 萬向磁性座

UNIVERSAL ARM MAGNETIC BASE

5535 微調式正弦磁臺

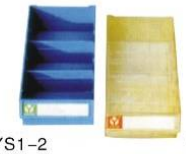
FINE ADJUSTMENT SINE PLATE WITH MAGNETIC CHUCK

5520 一體超薄正弦磁臺

SINE PLATE WITH FINE MAGNTIC CHUCK

5550 強力磁細目盤

POWERFUL MICROPITCH PERMANENT MAGNETIC CHUCK



YS1-2　YS1-1

高(H)X寬(W)X深(D)單位(mm)

抽屜型號	YS1-2	YS1-1	防油性	防静電
材質	PS	PS	ABS	PP導電料
顏色	透明	藍色	藍色	黑色
外部尺寸	H68xW120xD240			
内部尺寸	H66xW115xD240			

PS材質請勿放置油性物料

●YS-1308-2
455Wx22Dx650H
抽屜量:24屜

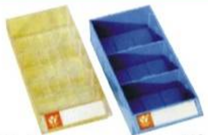
●YS-1308-1
455Wx22Dx650H
抽屜量:24屜

●YS-1412-2
600Wx222Dx940H
抽屜量:48屜

●YS-1412-1
600Wx222Dx940H
抽屜量:48屜

●YS-1412D-1
645Wx280Dx990H
抽屜量:48屜/左右開門附鎖

●YS-1412D-2
645Wx280Dx990H
抽屜量:48屜/左右開門附鎖



YS-2-2　YS-2-1

高(H)x寬(W)x深(D)單位(mm)

抽屜型號	YS2-2	YS2-1	防油性	防静電
材質	PS	PS	ABS	PP導電料
顏色	透明	藍色	藍色	黑色
外部尺寸	H49xW101xD220			
内部尺寸	H47xW95xD193			

PS材質請勿放置油性物料

●YS-2515D-1
645Wx280Dx990H
抽屜量：75屜
左右開門附鎖

●YS-2515D-2
645Wx280Dx990H
抽屜量：75屜
左右開門附鎖

●YS-2515-1
577Wx214Dx940H
抽屜量：75屜

●YS-2515-2
577Wx214Dx940H
抽屜量：75屜

●YS-2410-1
470Wx214Dx640H
抽屜量：40屜

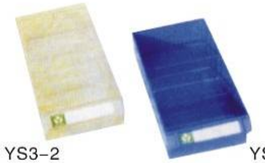
●YS-2410-2
470Wx214DX640H
抽屜量：40屜

●YS-2205-1
255Wx214Dx310H
抽屜量：10屜

●YS-2205-2
255Wx214Dx310H
抽屜量：10屜

●YS-2405-1
470Wx214Dx310H
抽屜量：20屜

●YS-2405-2
470Wx214Dx310H
抽屜量：20屜



YS3-2　YS3-2

高(H)X寬(W)X深(D)單位(mm)

抽屜型號	YS3-2	YS3-1	防油性	防静電
材質	PS	PS	ABS	PP導電料
顏色	透明	藍色	藍色	黑色
外部尺寸	H74xW151xD318			
内部尺寸	H71xW1451xD290			

PS材質請勿放置油性物料

●YS-3310HD-2
614Wx358Dx945H
抽屜量：30屜/左右開門附鎖

●YS-3310HD-1
614Wx358Dx945H
抽屜量：30屜/左右開門附鎖

●YS-3304H-1
553Wx300Dx370H
抽屜量：12屜

●YS-3304H-2
553Wx300Dx370H
抽屜量：12屜

●YS-3206H-2
383Wx300Dx570H
抽屜量：12屜

●YS-3206H-1
383WX300DX570H
抽屜量：12屜

彈性空間

每屜附活動格板二片，可隨意調整屜內空間。

彩色標示

抽屜前可用彩色卡紙標明屜內存放物品名稱及規格，步入色彩管理。

防止滑落裝置

防止抽屜拉出時滑落，確保物品不受損壞。

●YS-3301H-2
550Wx300Dx880H
抽屜量：30屜

●SY-3301H-1
550Wx300x880H
抽屜量:30屜

YS-854與YS-855可左右扣結組合使用

●YS-855
264Wx435Dx165H

●YS-854
167Wx435Dx165H

組立式結構上下左右前後可隨意增加或撤移，應用廣泛，可視需要組合各種形態使用。

●YS-820
172Wx326Dx145H

●YS-810
79Wx140D68H

●YS-815
124Wx216Dx116H