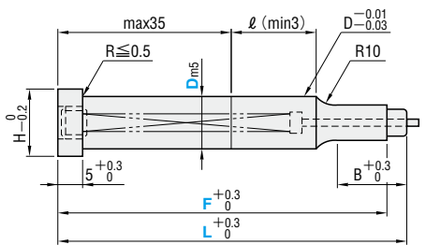
JECTOR DRAWING PUNCHES
—DLC COATING—

PRODUCTS DATA P.1605・1609

Calculating the projection length of the jector pin (reference value) P.241

- For details of jector holes, refer to Jector Punch Blanks. P.236
- For details of jector pins, refer to Jector Pin Sets. P.239

Type	M	H	S	Shank diameter D	Catalog No.
Regular type RoHS	Powdered high-speed steel	64～67HRC Surface 3000HV	DLC coating	4～25	N—PJ Foundation WPC® NW—PJ



Shape P.673

B	H	Catalog No. Type	Catalog No. Shape	D	L	0.01mm increments min. P max.	0.01mm increments Vmin.	dmin.
8	7	—No foundation— N—PJ —Foundation WPC®— NW—PJ	2A～4A 2B 5B～7B 2C～8C 3D～7D 9D	4	40 50 60 70 80	2.00～3.99	1.00	1.00
	8			5		2.00～4.99	2.00	2.00
	9			6		2.00～5.99	2.00	2.00
13	11			8	(40) (50) 60 70 80 90 100	3.00～7.99	3.00	3.00
	13			10		3.00～9.99	3.00	3.00
	16			13		6.00～12.99	6.00	6.00
19	19			16		10.00～15.99	6.00	6.00
	23			20		13.00～19.99	6.00	6.00
	28			25		18.00～24.99	6.00	6.00

- L (40) ⋯→B=6 If full length L is (40), tip length B is 6mm in all cases.
- L (50) ⋯→B=13 If full length L is (50), tip length B is 13mm in all cases.
- P>D−0.03⋯→ℓ=0 If P>D−0.03, $D_{-0.03}^{-0.01}$ (press-in lead) is not included.
- For the shapes with dimension d, pay special attention to dmin.

Order

Catalog No.	—	L	—	P・E・V・R・Q・A・K・F・S
N—PJ2C 16	—	70	—	P12.00—V9.50—A30—F65.0—S3

Days to Ship Quotation

■Effects of DLC coating
Effective for preventing adhesion during aluminum or copper blanking thanks to its low affinity for nonferrous metal.See the product data for details. P.1609

Alterations

Catalog No.	—	L(LC)	—	P・E・V・R・Q・A・K・F・S	— (HC・TC…etc.)
N—PJ2C 16	—	LC75.0	—	P12.00—V9.50—A30—F65.0—S3	— LKC

Alterations		Code	Spec.	1Code
Alterations to head	H HC	HC	Head diameter change D≦HC<H 0.1mm increments	
	TC T	TC	Head thickness change 3.5≦TC<5 0.1mm increments (If combined with TKC・TKM, 0.01mm increments can be selected.) Full length is shortened by (5—TC).	
	TCC	TCC	Chamfering of head This improves the strength of the punch head. P.1611 0.1 mm increments 0.5≦TCC≦(H-D)/2 If H≦5, then TCC is 0.5.	
		KC	Addition of single key flat to head	Quotation
		WKC	Addition of double key flats in parallel	
		RC	0.04 Head thickness is machined to a tolerance of −0.04～0 relative to the retainer surface.	
	T T	TKC	Head thickness tolerance change $5^{+0.3}_{0}$ ⇨ $^{+0.02}_{0}$	
		TKM	Head thickness tolerance change $5^{+0.3}_{0}$ ⇨ $^{0}_{-0.02}$	
Full length	LC L	LC	Full length change LC<L 0.1mm increments Tip length B is reduced by (L—LC). Projection length of jector pin is 2mm.	
	L T	LKC	L dimension tolerance change $L^{+0.3}_{0}$ ⇨ $^{+0.05}_{0}$	

Alterations		Code	Spec.	1Code
Alterations to tip	0.16 GL	SC	Lapping of tip P dimension tolerance and increment remain the same.The base material is finished before the coating is applied. ⊗Cannot be used for foundation WPC® punches. ⊗Cannot be used for shapes 2A・2C・3C・4C・6C・3D・4D・5D・9D. ⊗Cannot be combined with AKC・KKC・RKC・QKC.	
	A T	AKC	Angle A tolerance change A±30′⇨±10′	
	K T	KKC	Angle K tolerance change K±30′⇨±10′	
	R T	RKC	R dimension tolerance R±0.5 ⇨±0.05 Can be used for 0.1≦R≦10. For foundation WPC®, R±0.1	Quotation
	Q T	QKC	Q dimension tolerance change Q±0.5 ⇨±0.05 Can be used for 0.1≦Q≦10. For foundation WPC®, Q±0.1	
Others	ℓ $D_{-0.03}^{-0.01}$	NDC	No press-in lead ℓ≧3⇨ℓ=0	
	AIR	AC	The jector pin is removed to create an air path and the side vent hole is plugged from the inside.	
		NC	The jector pin is removed. ⊗Cannot be combined with AC.	
	F T	FKC	F dimension tolerance change $F^{+0.3}_{0}$ ⇨ $^{+0.05}_{0}$	

Price Quotation