

JECTOR PUNCHES

—NORMAL AND LAPPING TYPES WITH LARGE DIAMETER PINS— ※Jector punches with thicker jector pins (compared with other MISUMI jector punches)

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.241

Type	Shank diameter D tolerance	M H	Catalog No.			The tip shape can be selected from Tip shape A~G in the figure below.
			Type	Tip shape	B Tip length	
Normal	Dm5		SJF	A	S	
Lapping				R		
	E	L-SJF				
	G					

Tip shape A

Tip length (B) L > S

Tip shape D

Tip shape R

Tip shape E

Tip shape G

$P \geq W$
 $R=0$ can be selected. (However lapping cannot be used.)
 $K = \sqrt{P^2 + W^2}$

$P \geq W$
 $0.15 \leq R < \frac{W}{2}$
 $K = \sqrt{(P-2R)^2 + (W-2R)^2 + 2R}$

Type	Tip shape	Tip length B	D	L						0.01mm increments (0.001mm increments for lapping)				B	H
				A		D R E G		R	P	D	R				
				min.	P max.	P-Kmax.	P-Wmin.								
(Dm5) SJF	S	8	50	60	70	80	90	100	5.00	7.99	7.97	5.00	0.15 ≤ R < W/2 (B only)	13	11
		10	50	60	70	80	90	100	5.00	9.99	9.97	5.00		13	13
		13	50	60	70	80	90	100	8.00	12.99	12.97	8.00		16	16
		16	50	60	70	80	90	100	10.00	15.99	15.97	8.00		19	19
		20	50	60	70	80	90	100	13.00	19.99	19.97	10.00		23	23
Lapping L-SJF	L	8	50	60	70	80	90	100	5.00	7.99	7.97	5.00	19	11	
		10	50	60	70	80	90	100	5.00	9.99	9.97	5.00	19	13	
		13	50	60	70	80	90	100	8.00	12.99	12.97	8.00	16	16	
		16	60	70	80	90	100	10.00	15.99	15.97	8.00	19	19		
		20	60	70	80	90	100	13.00	19.99	19.97	10.00	23	23		
		25	60	70	80	90	100	18.00	24.99	24.97	10.00	28	28		

L (50) → B=13 If full length is (50), tip length is 13 mm in all cases.
 A: P > D - 0.03 → ℓ = 0 If P > D - 0.03 for a round punch, D - 0.01 (press-in lead) is not included.
 D R E G: P · K > D - 0.05 → ℓ = 0 If P · K > D - 0.05 for a shaped punch, D - 0.01 (press-in lead) is not included.

Order

Catalog No.	L	P	W	R (B only)
SJFDS 16	60	P12.50	W9.35	
L-SJFEL 10	70	P8.50	W6.75	

Days to Ship **Quotation**

Alterations

Alterations	Code	A	D R E G	1Code
PC WC		Tip dimension change PC ≥ PCmin. 0.01 mm increments (For a lapping combined with PCC, 0.001 mm increments can be selected.)	Tip dimension change PC · WC ≥ PC · WCmin. 0.01 mm increments (For a lapping, 0.001 mm increments can be selected.)	
BC		Tip length change (shorter than standard) 2 ≤ BC < B 0.1 mm increments		
PRC		Rounding of tip side edge 0.3 ≤ PRC ≤ 1 0.1 mm increments PRC ≤ (P - d) - 0.5 / 2 d, dimension P.236 Cannot be combined with PCC.		
PCC		Chamfering to tip side edge 0.3 ≤ PCC ≤ 1 0.1 mm increments PCC ≤ (P - d) - 0.5 / 2 d, dimension P.236 Cannot be combined with PRC.		
PKC		Tip tolerance change P + 0.01 → +0.005 P dimension can be selected in 0.01 mm increments. Cannot be used with lapping.	Tip tolerance change P · W ± 0.01 → +0.01 0 Cannot be used with lapping.	
LC		Full length change (reduction in tip length) LC < L 0.1 mm increments Tip length B is reduced by (L - LC). (If combined with LKC-LKZ, 0.01 mm increments can be selected.) Projection length of jector pin is 2 mm.		
LCT		Changes to head thickness tolerance and full length are processed using a single code. The allowable range of change, increment, ordering process, and notes (A) are the same as for LC.	Full length tolerance change LC + 0.3 → +0.1 0 + Full length change + L + 0.3 → +0.1 0	
LMT		Changes to head thickness tolerance and full length are processed using a single code. The allowable range of change, increment, ordering process, and notes (A) are the same as for LC.	Full length tolerance change LC + 0.3 → +0.1 0 + Full length change + L + 0.3 → +0.1 0	
LKC		Full length tolerance change L + 0.3 → +0.05 0		
LKZ		Full length tolerance change L + 0.3 → +0.01 0		

Alteration	Code	A	D R E G	1Code
Alterations to tip	KC	Addition of single key flat to head	Key flat position change 1° increments	
	WKC	Addition of double key flats in parallel	Double key flats in parallel Can be combined with KC.	
	KFC	Double key flats at 0° and a selected angle 1° increments	Double key flats at 0° and a selected angle 1° increments	
	NKC	—	No key flat	
	HC	Head diameter change D ≤ HC < H 0.1 mm increments		
	TC	Head thickness change 3.5 ≤ TC < 5 0.1 mm increments (If combined with TKC-TKM-LCT-LMT, 0.01 mm increments can be selected.) Full length L is shortened by (5 - TC). If combined with LC-LCT-LMT, full length remains as specified.		
Alterations to head	TKC	Head thickness tolerance change T + 0.3 → +0.02 0		
	TKM	Head thickness tolerance change T + 0.3 → 0 -0.02		
	TCC	Chamfering of head This improves the strength of the punch head. P.1611 0.1 mm increments 0.5 ≤ TCC ≤ (H - D) / 2		
Alterations to shank	NC	The jector pin is removed. Cannot be combined with AC.		
	NDC	No press-in lead ℓ ≥ 3 → ℓ = 0		

Price **Quotation**

- Features**
- With a standard type, scraps inside the die may rotate, resulting in scrap lifting. This product has a larger diameter pin, which expands the area of contact with scraps and improves the scrap removal effect.
 - Because of the pin diameter that is larger than the standard type, this pin type features superior strength and rigidity.

PUNCHES

Quotation