

JECTOR PUNCHES



Calculating the projection length of the jector pin (reference value) **P.185**

- For details of jector holes, refer to Jector Punch Blanks **P.180**
- For details of jector pins, refer to Jector Pin Sets **P.185**

Shank diameter D tolerance

D_{m5}

$D +0.005$
 0

Catalog No.

Type

Tip shape

Tip length

The tip shape can be selected from Tip shape A~G in the figure below.

Tip shape A

Tip shape D

Tip shape R

Tip shape E

Tip shape G

Catalog No.		0.01 mm increments										B	H
Type	Tip shape	Tip length	L		A		D R E G		P		R		
			min.	max.	min.	max.	P-Kmax.	P-Wmin.					
Spring reinforced type (D8~25)	S	S	(4)	40	50	60	70	80	1.00~	3.99	3.97	1.00	7
			(5)	40	50	60	70	80	2.00~	4.99	4.97	2.00	8
			(6)	40	50	60	70	80	2.00~	5.99	5.97	2.00	9
			(8)	40	50	60	70	80	3.00~	7.99	7.97	3.00	11
			(10)	40	50	60	70	80	3.00~	9.99	9.97	3.00	13
			(13)	40	50	60	70	80	6.00~	12.99	12.97	6.00	16
			(16)	40	50	60	70	80	10.00~	15.99	15.97	6.00	19
			(20)	40	50	60	70	80	13.00~	19.99	19.97	6.00	23
			(25)	40	50	60	70	80	18.00~	24.99	24.97	6.00	28
			(4)	50	60	70	80		1.00~	3.99	3.97	2.00	7
Spring reinforced type (D8~25)	L	L	(5)	50	60	70	80		2.00~	4.99	4.97	2.00	8
			(6)	50	60	70	80		2.00~	5.99	5.97	2.00	9
			(8)	50	60	70	80	90	3.00~	7.99	7.97	3.00	11
			(10)	50	60	70	80	90	3.00~	9.99	9.97	3.00	13
			(13)	50	60	70	80	90	6.00~	12.99	12.97	6.00	16
			(16)	60	70	80	90	100	10.00~	15.99	15.97	6.00	19
			(20)	60	70	80	90	100	13.00~	19.99	19.97	6.00	23
			(25)	60	70	80	90	100	18.00~	24.99	24.97	6.00	28
			(5)	60	70	80			2.00~	4.99	4.97	3.50	8
			(6)	60	70	80			2.00~	5.99	5.97	3.50	9
Spring reinforced type (D8~25)	X	X	(8)	70	80	90	100		3.00~	7.99	7.97	5.00	11
			(10)	70	80	90	100		3.00~	9.99	9.97	6.00	13
			(13)	70	80	90	100		6.00~	12.99	12.97	6.00	16
			(16)	80	90				10.00~	15.99			19
			(20)	80	90	100			13.00~	19.99			23
			(25)	80	90	100			18.00~	24.99			28
Spring reinforced type (D8~25)	A~SJ	A~SJ	(5)	60	70	80			2.00~	4.99	4.97	3.50	8
			(6)	60	70	80			2.00~	5.99	5.97	3.50	9
			(8)	70	80	90	100		3.00~	7.99	7.97	5.00	11
			(10)	70	80	90	100		3.00~	9.99	9.97	6.00	13
			(13)	70	80	90	100		6.00~	12.99	12.97	6.00	16
			(16)	80	90				10.00~	15.99			19
			(20)	80	90	100			13.00~	19.99			23
			(25)	80	90	100			18.00~	24.99			28
			(5)	60	70	80			2.00~	4.99	4.97	3.50	8
			(6)	60	70	80			2.00~	5.99	5.97	3.50	9

The spring constants of SJV, PJV, A~SJ, and A~PJ are twice those of SJ, PJ, A~SJ, and A~PJ respectively.

L(40)→B=6 If full length is (40), tip length is 6 mm in all cases.

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.

D(4), (5), and (6) are specifications available for SJ, PJ, A~SJ, and A~PJ only. Spring reinforced types are available for D8~25 only.

Order

Catalog No. — L — P — W — R (R only)

SJDS 6 — 60 — P3.00 — W2.80

A~SJEL 10 — 70 — P8.50 — W4.25

Days to Ship

Quotation

Effect of spring reinforced type

The spring constant is twice that of a standard type jector punch. The large spring load results in more effective scrap removal.

Alterations

Catalog No. — L(LC·LCT·LMT) — P(PC) — W(WC) — R — (BC·HC·TC, etc.)

SJDS 6 — LC58 — P3.00 — W2.80 — HC8—KC45

Alterations to tip

Alterations to full length

Alterations to head

Alterations to shank

Alteration	Code	A	D R E G	1Code
Alterations to tip	PC WC	Tip dimension change PC≥PCmin. 0.01 mm increments (If combined with PKC, 0.001 mm increments can be selected.)	Tip dimension change PC·WC≥PC·WCmin. 0.01 mm increments (Cannot be used for tip X. Cannot be used for tip D4.)	
		D PCmin.	D PC·WCmin.	
		4 0.900	5 1.80	
		5 1.800	6 1.80	
		6 1.800	8 2.50	
	BC	Tip length change (shorter than standard) 2≤BC<B 0.1 mm increments		
		PC Bmax.		
		1.80~1.99 20		
Alterations to full length	PRC	Rounding of tip side edge 0.3≤PRC≤1 0.1 mm increments		
		PRC≤(P-d, -0.5)/2 d, dimension P.180		
		Cannot be combined with PCC.		
	PCC	Chamfering of tip side edge 0.3≤PCC≤1 0.1 mm increments		
		PCC≤(P-d, -0.5)/2 d, dimension P.180		
		Cannot be combined with PRC.		
Alterations to head	PKC	Tip tolerance change P+0.01 0 → +0.005 0	Tip tolerance change P·W±0.01 0 → +0.01 0	
		(P dimension can be selected in 0.001 mm increments.)		
	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.		
Alterations to shank	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 are the same as for LC.		
		Full length tolerance change		
		Head thickness tolerance change T+0.3 0 → +0.02 0	Full length change L+0.3 0 → +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 are the same as for LC.		
		Full length tolerance change		
		Head thickness tolerance change T+0.3 0 → +0.02 0	Full length change L+0.3 0 → +0.1 0	
Alterations to shank	SKC	Single key flat on shank		
		0.5~0.8 D4~6 P≤D-1.2 W≤D-1.2 (Machining width 0.5)		
		D8~ P≤D-2.2 W≤D-2.2 (Machining width 1)		
		Cannot be combined with KC·WKC·KFC.		
	AC	The jector pin is removed to create an air path and the side vent hole is plugged from the inside by inserting a resin (ABS) ring.		
Alterations to shank	NC	The jector pin is removed. Cannot be combined with AC.		
	NDC	No press-in lead		
		ℓ≥3 → ℓ=0		

P Price

Quotation