

# JECTOR PUNCHES WITH LOCATING DOWEL HOLES

— FINISHED FOR RETAINERS · DLC COATING —

PRODUCTS DATA

P.1605~P.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.241**

Type	A	Shank diameter D tolerance	M C	Catalog No.			The tip shape can be selected from Tip shape A~G in the figure below.
				Type	Tip shape	B Tip length with dowel hole	
DLC coating with locating dowel hole	Dowel pin MS6—25	Dm5	Equivalent to SKD11 60~63HRC Surface 3000HV and above	N—SJ NW—SJ N—SJV NW—SJV	A D R E G	S L X	—C

The tip end is ground before the coating is applied.  
Tip length (B) X>L>S  
The tip edges of foundation WPC® are slightly rounded.

Tip shape A

Tip shape D

Tip shape R

Tip shape E

Tip shape G

Catalog No.	Type	D	L								B	H		
			0.01mm increments											
				A		D R E G		R						
				min.	P max.	P·Kmax.	P·Wmin.	R						
S	Spring reinforced type	10	60	70	80	90	100	110	120	3.00 ~ 9.99	9.97	3.00	13	13
		13	60	70	80	90	100	110	120	6.00 ~ 12.99	12.97	6.00		16
		16	(60)	70	80	90	100	110	120	10.00 ~ 15.99	15.97	6.00		19
		20	(60)	70	80	90	100	110	120	13.00 ~ 19.99	19.97	6.00		23
NW—SJ□S—C	—Foundation WPC®—	25	(60)	70	80	90	100	110	120	18.00 ~ 24.99	24.97	6.00	19	28
		10	70	80	90	100	110	120	3.00 ~ 9.99	9.97	3.00	19	13	
		13	70	80	90	100	110	120	6.00 ~ 12.99	12.97	6.00	19	16	
		16	70	80	90	100	110	120	10.00 ~ 15.99	15.97	6.00	19	19	
NW—SJ□L—C	—Foundation WPC®—	20	70	80	90	100	110	120	13.00 ~ 19.99	19.97	6.00	25	23	
		25	70	80	90	100	110	120	18.00 ~ 24.99	24.97	6.00	25	28	
		10	80	90	100	110	120	6.00 ~ 9.99	9.97	6.00	30	13		
		13	80	90	100	110	120	6.00 ~ 12.99	12.97	6.00	30	16		
N—SJ□X—C	Spring reinforced type	16					100	110	120	10.00 ~ 15.99			19	19
		20					100	110	120	13.00 ~ 19.99			40	23
		25					100	110	120	18.00 ~ 24.99			40	28
		10												

The spring constants of N—SJV□□—C, NW—SJV□□—C are twice those of N—SJ□□—C, NW—SJ□□—C respectively.  
L(60)→B=13 If full length is (60), tip length is 13mm 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 (R only)**  
N—SJEL—C16 — 70 — P12.00 — W6.00

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**

Finished for retainer  
For details on retainers **P.731** and later pages.

Alterations **Catalog No.** — **L(LC)** — **P(PC)** — **W(WC)** — **R** — **(BC·HC·TC...etc.)**  
N—SJAS—C10 — LC95 — P9.50 — HC12

Alterations	Code	A	D R E G	1Code
Alterations to tip	PC WC	Tip dimension change PC≥PCmin 0.01mm increments (If combined with PKC, 0.001mm increments.)	Tip dimension change PC·WC≥PC·WCmin 0.01mm increments * Cannot be used for tip length X.	
	BC	Tip length change (shorter than standard) 2≤BC<B 0.1mm increments		
	PRC	Rounding of tip side edge 0.3≤PRC≤1 0.1mm increments * PRC≤(P—d1—0.5)/2 d1 dimension <b>P.236</b> * Cannot be combined with PCC. * It is PRC±0.1 for foundation WPC®.		
	PCC	Chamfering to tip side edge 0.3≤PCC≤1 0.1mm increments * PCC≤(P—d1—0.5)/2 d1 dimension <b>P.236</b> * Cannot be combined with PRC. * Can not be used for foundation WPC®.		
	PKC	Tip tolerance change P+0.01 ⇔ +0.005 0 ⇔ 0 (P dimension can be selected in 0.001mm increments.)	Tip tolerance change P·W±0.01 ⇔ +0.01	
	SC	Tip lapping * P dimension tolerance & increments remain unchanged. Raw material before coating is treated. * Tip D shape corner R=0 cannot be selected * Can not be used for foundation WPC®.		
Alterations to full length	LC	Full length change (reduction in tip length) LC<L 0.1mm increments * Tip length B is reduced by (L—LC). (If combined with LKC, 0.01mm increments can be selected.) * Projection length of jector pin is 2mm.		
	LKC	Full length tolerance change L +0.3/0 ⇔ +0.05/0		

Price **Quotation**

Alterations	Code	A	D R E G	1Code
Alterations to head	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 com- bined with KC.	
	KFC	Double key flats at 0° and a selected angle 1° incre- ments * Cannot be combined with KC·WKC.	Double key flats at 0° and a selected angle 1° incre- ments * Cannot be combined with KC·WKC.	
	NKC	—	No key flat	
	HC	Head diameter change D≤HC<H 0.1mm increments * Cannot be used for retainer set products		
	TC	Head thickness change 3.5≤TC<5 0.1mm increments * Full length L is shortened by (5—TC). If combined with LC, full length is equal to LC. * Cannot be used for retainer set products		
Alterations to shank	AC	AIR	The jector pin is removed to cre- ate an air path and the side vent hole is plugged from the inside by inserting a resin (ABS) ring.	
	NC	—	The jector pin is removed. * Cannot be combined with AC.	
	TPC	—	Dowel pin change MS6—25 that comes with the product is changed to MSTP6—25 (tapped type).	
	NDC	—	No press-in lead ℓ≥3 ⇔ ℓ=0	

PUNCHES

Quotation