

JECTOR PUNCHES FOR HEAVY LOAD

— FINISHED FOR RETAINERS · DICOAT® TREATMENT · SPRING AND PIN REINFORCED TYPE —



Projection length of the jector pin is 2mm for reinforced types and 4mm for non-reinforced types.

- For details of jector holes, refer to Jector Punch Blanks. P.238
- For details of jector pins, refer to Jector Pin Sets. P.241

Type	Shank diameter D Tolerance	Material	Catalog No.		The tip shape can be selected from Tip shape A~G in the figure below.
			Type	Tip shape	
 RoHS D _{m5} Powdered high-speed steel 62~64HRC Surface 3000HV	D _{m5} D ^{+0.005} ₀ (D8~13)		T-APJ Spring and pin reinforced type	A D R	
			AT-APJ Spring and pin reinforced type	E G	
Tip length (B) L > S					
For shank diameter tolerance D _T , select either m5 or ^{+0.005} ₀ .					

Type	Tip shape	Tip length	D	L	0.01mm increments				B	H
					A	D	R	E		
(D _{m5}) T-APJ Spring and pin reinforced type	A D R	S	8	(50) 60 70 80 90 100	4.00~7.99	7.97	4.00	0.15 ≤ R < W/2 (B only)	13	13
			10		5.00~9.99	9.97	5.00			
			13		6.00~12.99	12.97	6.00			
			16		10.00~15.99	15.97	6.00			
			20		13.00~19.99	19.97	6.00			
(D ^{+0.005} ₀) AT-APJ (D8~13) Spring and pin reinforced type	E G	L	8	60 70 80 90 100	4.00~7.99	7.97	4.00	0.15 ≤ R < W/2 (B only)	19	13
			10		5.00~9.99	9.97	5.00			
			13		6.00~12.99	12.97	6.00			
			16		10.00~15.99	15.97	6.00			
			20		13.00~19.99	19.97	6.00			
(D8~13) AT-APJV	G	L	20	70 80 90 100	10.00~15.99	15.97	6.00	0.15 ≤ R < W/2 (B only)	25	21
			25	13.00~19.99	19.97	6.00				
			30	18.00~24.99	24.97	6.00				

- The spring constants of T-APJV and AT-APJV are twice those of T-APJ and AT-APJ respectively.
- L(50) → B=8 If the full length is (50), the tip length is 8mm in all cases.
- A: P > D - 0.03 → ℓ=0 If P > D - 0.03 for a round punch, D_{0.01}^{-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_{0.03}^{-0.01} (press-in lead) is not included.

Order Catalog No. — L — P — W — R (B only)
 T-APJDS 25 — 80 — P18.00 — W10.00

Effect of spring and pin reinforced type
 The spring constant is twice that of the standard type, resulting in improved scrap removal. In addition, the improved strength under the pin head prevents breakage below the head.

Alterations Catalog No. — L(LC) — P — W — R — (BC-KC-WKC, etc.)
 T-APJDS 20 — LC79 — P15.00 — W6.00 — SKC

Alteration	Code	A	D R E G	1Code
Alterations to tip	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.238		
Alterations to full length	LC	Full length change LC < L (reduction in tip length) 0.1 mm increments (If combined with LKC, 0.01 mm increments can be selected.) Tip length B is shortened by (L - LC). Projection length of the jector pin is 2mm for spring and pin reinforced types and 4mm for non-reinforced types.		Quotation
	LKC	Full length tolerance change L ₀ ^{+0.3} ↔ ₀ ^{+0.05}		

Alteration	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 combined with KC.	
	KFC	Double key flats at 0° and a selected angle 1° increments Cannot be combined with KC-WKC.	Double key flats at 0° and a selected angle 1° increments Cannot be combined with KC-WKC.	
	NKC	No key flat		Quotation
Alterations to shank	SKC	Single key flat on shank 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.		
	NC	The jector pin is removed. Cannot be combined with AC.		
	NDC	No press-in lead ℓ ≥ 3 ↔ ℓ = 0		

Price Quotation