

JECTOR PUNCHES FOR HEAVY LOAD

— FINISHED FOR RETAINERS · CONFIGURABLE FULL LENGTH · FIXED B TYPE · RW COATING —



※ Jector punch which maintains the same tip length B even when L is changed.
 ⊕ 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	M	Catalog No.		The tip shape can be selected from figure below.	
			Type	Tip shape	Tip length	Tip shape A~G in the figure below.
<p>For shank diameter tolerance D select either m5 or ± 0.005.</p>	Dm5	Powdered highspeed steel 64~67HRC Surface 3100HV	RW-LFAPJ Spring and pin reinforced type RW-LFAPJV			
			ARW-LFAPJ Spring and pin reinforced type ARW-LFAPJV			
<p>⊕ The tip edges are very slightly rounded.</p>						
<p>⊕ $P \geq W$ ⊕ $K = \sqrt{P^2 + W^2}$</p>						
<p>⊕ $P \geq W$ ⊕ $0.15 \leq R < \frac{W}{2}$ ⊕ $K = \sqrt{(P-2R)^2 + (W-2R)^2} + 2R$</p>						
<p>⊕ $P \geq W$</p>						
<p>⊕ $P > W$</p>						
<p>⊕ $P > W$</p>						

Type	Tip shape	Tip length	D	0.01mm increments				B	H
				0.1mm increments		0.01mm			
				min. P	max. P	P·Kmax.	P·Wmin.		
(Dm5) RW-LFAPJ Spring and pin reinforced type RW-LFAPJV	A	S	8	60.0~130.0	4.00~7.99	7.97	4.00	13	13
			10	70.0~100.0	5.00~9.99	9.97	5.00		15
			13	(70.0~100.0)	6.00~12.99	12.97	6.00		18
			16	70.0~130.0	10.00~15.99	15.97	6.00		21
			20	80.0~100.0	13.00~19.99	19.97	6.00		25
(D±0.005) ARW-LFAPJ Spring and pin reinforced type ARW-LFAPJV	E	L	8	70.0~130.0	4.00~7.99	7.97	4.00	19	13
			10	70.0~100.0	5.00~9.99	9.97	5.00		15
			13	(70.0~100.0)	6.00~12.99	12.97	6.00		18
			16	80.0~130.0	10.00~15.99	15.97	6.00		21
			20	80.0~100.0	13.00~19.99	19.97	6.00		25
		25	(80.0~100.0)	18.00~24.99	24.97	6.00	30		

⊕ The spring constants of RW-LFAPJV and ARW-LFAPJV are twice those of RW-LFAPJ and ARW-LFAPJ respectively.
 ⊕ A: $P > D - 0.03 \rightarrow \ell = 0$ If $P > D - 0.03$ for a round punch, $D - 0.01$ (press-in lead) is not included.
 ⊕ B: $P > K > D - 0.05 \rightarrow \ell = 0$ If $P > K > D - 0.05$ for a shaped punch, $D - 0.01$ (press-in lead) is not included.
 ⊕ Jector holes are based on the jector punch blanks for heavy load. **P.238**

Order **Catalog No.** — **L** — **P** — **W** — **R (R only)**
RW-LFAPJAS 20 — **80** — **P15.00**

Days to Ship **Quotation**

■ **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.

■ **Effects of RW coating**
 Effective for press processing of ultra-high-tensile material and thick plate high-tensile material thanks to its superior wear resistance, peeling resistance and heat resistance. See the product data for details. **P.1607**

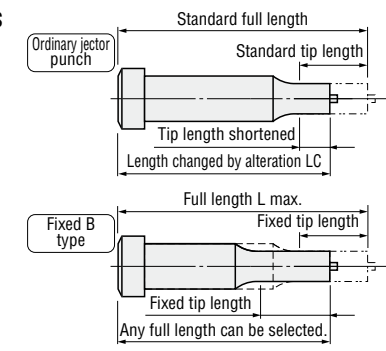
Alterations **Catalog No.** — **L** — **P** — **W** — **R** — (BC-KC...etc.)
RW-LFAPJDS 20 — **79** — **P15.00** — **W6.00** — **BC13**

Alterations	Code	A	D R E G	1Code
Alterations to tip	BC	Tip length change (shorter than standard) $2 \leq BC < B$ 0.1mm increments		
	PRC	Rounding of tip side edge $0.3 \leq PRC \leq 1$ 0.1mm increments ⊕ $PRC \leq (P - d - 0.5) / 2$ d1 dimension P.238		
Alterations to full length	LKC	Full length tolerance change $L + 0.3$ $0 \rightarrow +0.05$		

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 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	No key flat	
Alterations to shank	SKC	Single key flat on shank $P \leq D - 2.2$ $W \leq D - 2.2$ (Machining width 1) ⊕ Cannot be combined with KC-WKC-KFC ⊕ Cannot be used for retainer set products		
	NC	The jector pin is removed.		
	NDC	No press-in lead $\ell \geq 3 \rightarrow \ell = 0$		

Price **Quotation**

■ **Features**



- Whereas the tip length B gets shortened when alteration LC is added to an ordinary jector punch, a fixed B type maintains the same tip length B for any L dimension.
- Because a fixed B type jector punch has no side hole on the shank, it can be used as an air blow punch simply by removing the jector pin.