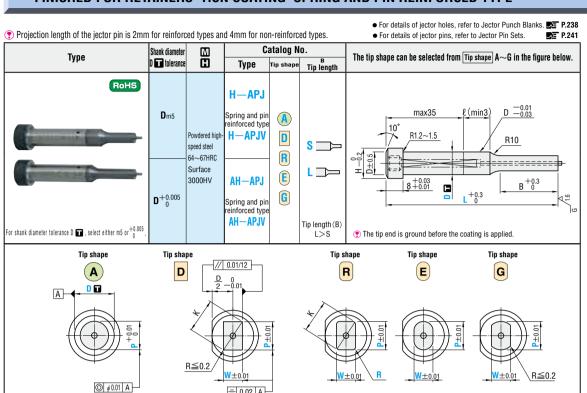
JECTOR PUNCHES FOR HEAVY LOAD

-FINISHED FOR RETAINERS. TICN COATING. SPRING AND PIN REINFORCED TYPE-



Catalog No.												0.01mm increments B B B B B						
			_	L							A	DR	DREG		В	Н		
Туре	Tip shape	B Tip length	D										min. P max.	P∙Kmax.	P·Wmin.	R		
	D		8	(50)	60	70	80	90	100	(110)	(120)	(130)	4.00~ 7.99	7.97	4.00 5.00 6.00			13
(D m5)			10										5.00~ 9.99	9.97		13	15	
H-APJ		S	13										6.00~ 12.99	12.97			18	
-Spring and pin reinforced type-			16										10.00~ 15.99	15.97	6.00	6.00 <u>A</u>		21
H—APJV			20	1									13.00~ 19.99	19.97	6.00 4.00		19	25
			25										18.00~ 24.99	24.97			30	
← ±0.005 \	R		8		60	70	80		100	(110)	(120)	(130)	4.00~ 7.99	7.97		\ \		13
$(\mathbf{D}_{0}^{+0.005})$	G		10					90					5.00~ 9.99	9.97	5.00	2	19	15
AH—APJ		L	13										6.00~ 12.99	12.97	6.00			18
-Spring and pin reinforced type-			16										10.00~ 15.99	15.97	6.00		21	
AH—APJV			20			70	80	90	100	(110)	(120)	(130)	13.00~ 19.99	19.97	6.00		25	25
			25										18.00~ 24.99	24.97	6.00	5.00		30

P≥W

 \P K= $\sqrt{(P-2R)^2+(W-2R)^2}+2R$

P>W

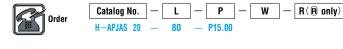
▼ P>W

- The spring constants of H—APJV and AH—APJV are twice those of H—APJ and AH—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 $_{-0.03}^{-0.01}$ (press-in lead) is not included.
- **?** \blacksquare **® © G**: P•K>D $-0.05 \cdots \ell=0$ If P•K>D-0.05 for a shaped punch, D $^{-0.01}_{-0.03}$ (press-in lead) is not included.

• P≥W

 \P K= $\sqrt{P^2+W^2}$

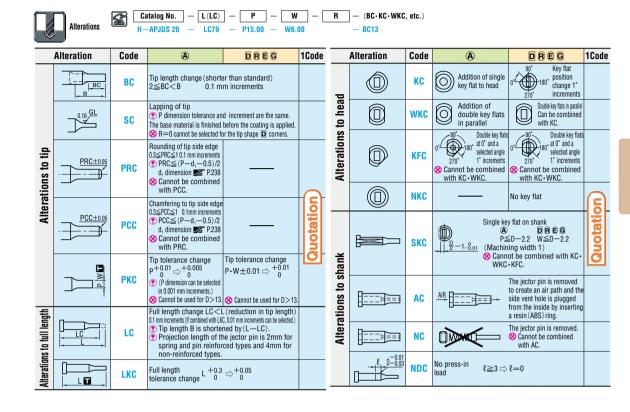
• R=0 can be selected.



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.









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Days to Ship Quotation