

PRECISION CARBIDE STRAIGHT PUNCHES WITH AIR HOLES

RoHS

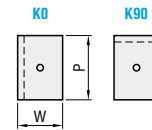
•Tip machining limit

Tip shape	Tip shape	Tip shape
D	R	E
P ≥ W	P ≥ W 0.15 ≤ R < W/2	P > W

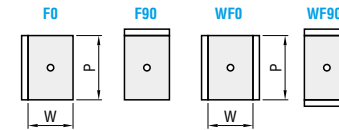
Type	Tip dimension P·W	Normal	Tip shape		
			D VZJCD	R VZJCR	E VZJCE
V30 (HIP) 88~89HRA	P-W 4.000~20.000				
Type	Tip dimension P·W	With key groove	Tip shape		
			D VZJKCD	R VZJKCR	E VZJKCE
V30 (HIP) 88~89HRA	P-W 4.000~20.000				
Type	Tip dimension P·W	Single flange	Tip shape		
			D VZJFCD	R VZJFCR	E VZJFCE
V30 (HIP) 88~89HRA	P-W 4.000~16.000 <small>Cannot be used for products marked with ● in the specification table.</small>				
Type	Tip dimension P·W	Double flanges	Tip shape		
			D VZJWCD	R VZJWCR	E VZJWCE
V30 (HIP) 88~89HRA	P-W 4.000~16.000 <small>Cannot be used for products marked with ● in the specification table.</small>				

Catalog No.	Type	Tip shape	L	W	P							0.1mm increments T	d1×S			d2	U
					4.000 5.000	5.001 6.000	6.001 8.000	8.001 10.000	10.001 13.000	13.001 16.000	16.001 20.000		L=40	L=50	L=60-70		
VZJC VZJCC VZJFC VZJWC	D	R	40	4.000~5.000	○	○	○	○	○	○	○	T ≥ 2	0.5×17			1.2	1.0
				5.001~6.000	○	○	○	○	○	○	0.8×17		0.8×20	2.6			
				6.001~8.000	○	○	○	○	○	○	1.2×17		1.2×27	3.4			
				8.001~10.000	○	○	○	○	○	○	1.6×17		1.6×28	4.4	1.5		
				10.001~13.000	○	○	○	○	○	○	1.9×17		1.9×28				
				13.001~16.000	○	○	○	○	○	○	2.9×17		2.9×24			2.9×36	
				16.001~20.000	○	○	○	○	○	○							

Key groove position specified



Flange position specified



- Tip shape E can be selected for F0, WF0 only.
- For F90 or WF90, H dimension is as shown below.

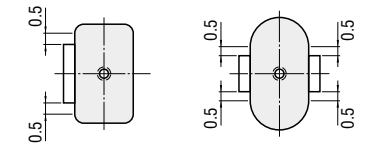
Tip shape D: H=W
 Tip shape R: 2 ≤ W - 2R - 1 H = W - 2R - 1

- Flanged types (both single flange and double flanges) with shapes R·E are provided with 0.5 mm straight parts on each of the flange sides.

Order

Catalog No. — L — **0.001mm increments** — P — W — R (R only) — T ≥ 2 — K·F·WF

VZJCD — 60 — P14.281 — W9.281
 VZJKCR — 60 — P14.281 — W9.281 — R0.500 — T25.5 — K0
 VZJFCE — 60 — P13.182 — W6.502 — F0
 VZJWCD — 60 — P14.280 — W14.280 — WF90



Days to Ship Quotation

Price Quotation

Alterations Catalog No. — L(LC·LCX) — P — W — R — T — K·F·WF — (HC·TC·LKC, etc.) — LKC

VZJCD — LC65.5 — P5.801 — W5.201 — LKC

Alteration	Code	Spec.	1Code
Alterations to full length	LC	Full length change LC < L 0.1mm increments (If combined with LKC, 0.01mm increments can be selected.) S dimension is shortened by (L-LC).	Quotation
	LCX	Full length change with the same S dimension 30 ≤ LCX < L 0.1mm increments If difference between full length and tip length is 30mm or less, tip length is adjusted to (Full length - 30mm). (If combined with LKC, 0.01mm increments can be selected.) Cannot be used for flanged types.	
	LKC	Full length tolerance change L +0.1 / 0 ⇔ +0.01 / 0	
Alteration to key groove	UK	Key groove depth change 0.5 ≤ UK ≤ U + 0.2 0.1mm increments W(P) - d2 (d1) ≥ 2	

Alteration	Code	Spec.	1Code
Alterations to flange	TC	Flange thickness change 2 ≤ TC < 5 0.1mm increments Full length L is shortened by (5-TC). (If combined with LC, full length is equal to LC.)	Quotation
	HC	Flange width change 0 ≤ HC < 1.5 0.1mm increments	
	FK	Relief chamfering to flange top edge Flange edge is chamfered to prevent flange breakage. Cannot be used for normal, tapped, and types with key grooves.	
Others	PHM	Shank tolerance change P·W +0.003 / 0 ⇔ 0 / -0.003	
	CCN	Chamfering to shank (4 positions) 5 ≤ CCN ≤ L 1mm increments Can be used for tip shape D only. Flange side of flanged punch becomes CCN-T(TC).	