

SHORT STRAIGHT PUNCHES

M D	Catalog No.		
	Tapped	Single flange	Double flanges
Equivalent to SKD11 60~63HRC	HMCDS	HFCDS	HWCDS
Powdered high-speed steel 64~67HRC	PHMCDS	PHFCDS	PHWCDS



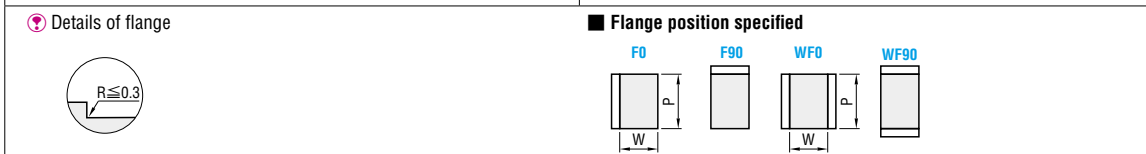
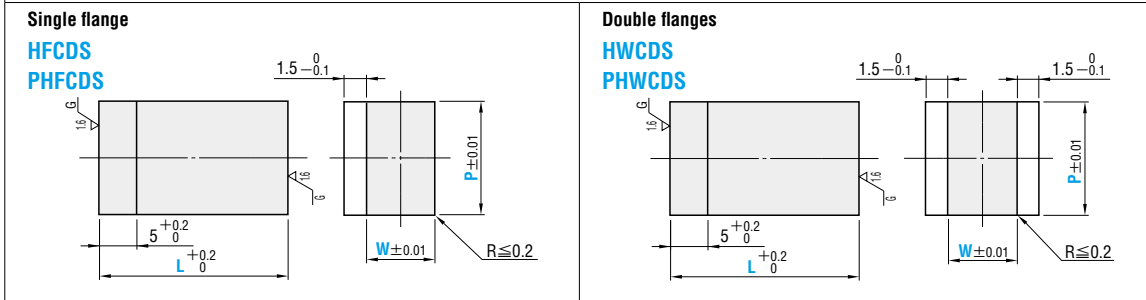
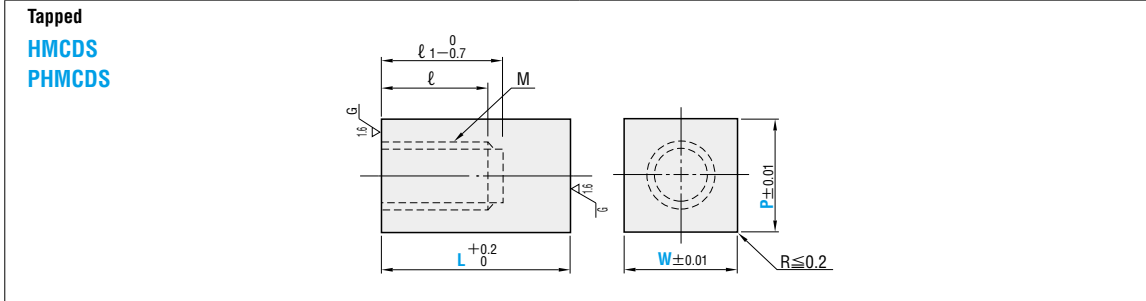
● Tip machining limit

Tip shape

D

W ≤ P
R = 0 can be selected.

RoHS



Catalog No.	L	W	P	W					M	ℓ	ℓ ₁
				5.01 6.00	6.01 8.00	8.01 10.00	10.01 13.00	13.01 16.00			
Tapped HMCDS PHMCDS	(13)	5.01~6.00		○	○	○	○	○	4	6	8.5
		6.01~8.00		○	○	○	○	○	5	7.5	10.0
Single flange HFCDS PHFCDS	(16)	8.01~10.00			○	○	○	○	6	9	12.5
		10.01~13.00				○	○	○			
Double flanges HWCDS PHWCDS	20	13.01~16.00					○	○	8	12	15.5
		16.01~20.00					○	○			

⊕ Tapped (HMCDS·PHMCDS) ● L (13) → L13 is a specification available for W5.01~W8.00 only.
● L (16) → L16 is a specification available for W5.01~W10.00 only.

Order

Catalog No. — L — 0.01mm increments — P — W — F·WF

HMCDS — 16 — P9.51 — W6.22

Features

- These are short type straight punches which can be installed onto the stripper plate.
- The tapped types feature tap lengths and pilot hole lengths that are shorter than conventional types.

Days to Ship **Quotation**

Alterations

Catalog No. — L(LC) — P — W — F·WF — (HC·TC·TKC, etc.)

HFCDS — LC21.5 — P10.50 — W8.50 — F0 — TC2.5

Alteration	Code	Spec.	1Code
Alterations to tip	PKC	Tip tolerance change P·W±0.01 ⇨ +0.01/0	
	PKV	Tip tolerance change P·W±0.01 ⇨ ±0.005	
Alterations to full length	LC	Full length change 0.1mm increments 13 < LC < 25 (If combined with LKC·LKZ, 0.01mm increments can be selected.) ⊕ The LC ranges for tapped types (HMCDS·PHMCDS) are shown below.	Quotation
		W LC range	
		5.01~8.00 13 < LC < 25	
		8.01~10.00 16 < LC < 25	
Alterations to tap	LKC	Full length tolerance change L +0.2/0 ⇨ +0.05/0	
	LKZ	Full length tolerance change L +0.2/0 ⇨ +0.01/0	
Alterations to shape	MC	Tap diameter change	
		W P 5.01~20.00	
		5.01~6.00 M4 → M3	
		6.01~8.00 M5 → M4	
		8.01~10.00 M6 → M5	
		10.01~13.00 M8 → M6	
		⊗ Cannot be used for W ≥ 13.01.	

Price **Quotation**

Alteration	Code	Spec.	1Code
Alterations to flange	HC	Flange width change 0 ≤ HC < 1.5 0.1mm increments	
	TC	Flange thickness change 2 ≤ TC < 5 0.1mm increments (If combined with TKC, 0.01mm increments can be selected.) ⊕ Full length L is shortened by (5-TC). ⊕ If combined with LC, full length is equal to LC.	
	TKC	Flange tolerance change T +0.2/0 ⇨ +0.02/0	Quotation
	TKM	Flange tolerance change T +0.2/0 ⇨ 0/-0.02	
Alterations to shape	FK	Relief chamfering to flange top edge Flange edge is chamfered to prevent flange breakage.	
	DC	Addition of press-in lead Press-in lead of 3mm (H·V -0.01/-0.03) is added. ⊗ Cannot be used for flange types.	