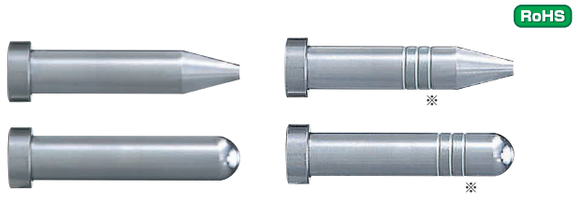
POSITIONING PINS

—SHAFT DIAMETER (D) SELECTION TYPE/SHAFT DIAMETER (P) DESIGNATION 0.01mm INCREMENTS TYPE—

Non JIS material definition is listed on P.1351 - 1352

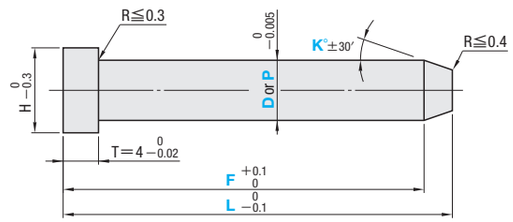


※When combination with OCF

M H	Part Number Type: Shaft diameter selection	Part Number Type: Shaft diameter designation	Shape
SKD11 equivalent 58～62HRC	PPD	PPDF	T
SKH51 58～60HRC	PPH	PPHF	B

Shape (Tip shape)

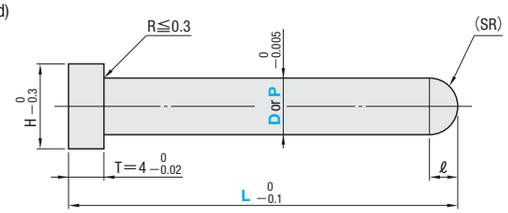
Shape T
(Tapered)



F…0.1mm increments
F≧10.00
and
$0.3 \leqq (L-F) \leqq \frac{L}{2}$
and
$\frac{D \text{ or } P}{2} - (L-F)\tan K \geqq 0.1$

K…1° increments
1≦K≦45

Shape B
(Spherical processed)



$\ell = \frac{D \text{ or } P}{2}$

Alterations

Part Number — L — P — Tip size F・K — (KC・WKC…etc.)
PPDB 5 — 30.0 — HC 7.0
PPHFT 6 — 40.0 — P5.80 — F35.0 — K30 — OCF2—E10—G3

Alterations	Code	Spec.	1Code
KC 0 −0.01	KC	Single flat cutting (DorP)/2≦KC＜H/2	
WKC 0 −0.01	WKC	Two flats cutting (DorP)/2≦WKC＜H/2	
G, E, G G, E, Depth of groove, Width of groove	OCF	Adds an oil groove (free designation) Designation method OCF2—E10—G3 (Two grooves) OCF3—E10—G3 (Three grooves) OCF=No. of grooves (2 or 3) E=1mm increments When Shape T, L−F+1＜E＜L−T−(G×(No. of grooves−1))−5 When Shape B, ℓ+1＜E＜L−T−(G×(No. of grooves−1))−5 G=1mm increments 1≦G≦10	Quotation

Shaft diameter D or No.	Depth of groove	Width of groove
5・5.5・6・6.5	0.1	0.5
7・8	0.2	0.6
10	0.3	0.8

Alterations	Code	Spec.	1Code
H, HC 0 −0.3	HC	Head diameter change HC=0.1mm increments (DorP)≦HC＜H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.	Quotation
H, HCC 0 −0.02	HCC	Head diameter change (precision) HCC=0.1mm increments (DorP)+0.5≦HCC＜H−0.3	
TC 0 −0.02, 4	TC	Head thickness change TC=0.1mm increments 1.5≦TC＜4 (Dimension L remains unchanged.) 4−TC≦Lmax.−L	
	TRN	Relief under the head (No need for plate chamfering)	
A15, 8	NHC	Numbering on the head How to order P.396 Express services not available	

Unit of designation for key flat cutting (KC and WKC)
(1) When specifying key flat cutting according to the shaft diameter
Unit of designation Shaft diameter (D) selection 0.05mm increments is possible, and shaft diameter (P) designation 0.005mm increments is possible.
(2) When freely specifying key flat cutting
Unit of designation 0.1mm increments

■Shaft diameter (D) selection type

H	Part Number Type	Part Number Shape	Part Number D	L 0.1mm increments	Shape (Tip size)	U/Price 1～4 PPD□ T	PPD□ B	PPH□ T	PPH□ B
8	PPD PPH	T B	5	25.0～60.0	Shape T only F…0.1mm increments K…1° increments	Quotation			
9			6						
10			7						
11			8						
15			10						

■Shaft diameter (P) designation 0.01mm increments type

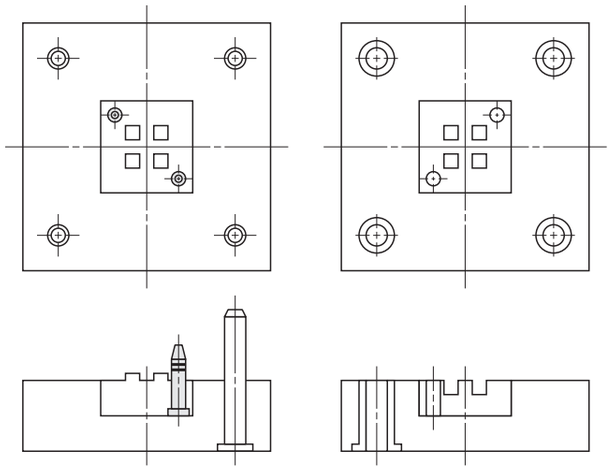
H	Part Number Type	Part Number Shape	Part Number No.	L 0.1mm increments	P 0.01mm increments	Shape (Tip size)	U/Price 1～4 PPDF□ T	PPDF□ B	PPHF□ T	PPHF□ B
8	PPDF PPHF	T B	5	25.0～60.0	4.50～4.99	Shape T only F…0.1mm increments K…1° increments	Quotation			
9			6		5.50～5.99					
11			8		7.00～7.99					
15			10		8.00～9.99					

Order
Part Number — L — P — Tip size F・K
PPDB 8 — 60.0
PPHFT5 — 50.0 — P4.80 — F45.0 — K20

Days to Ship: Quotation

Price: Quotation

Example



- Can also be used for determining the position of the cavity insert. Effective for a small mold with little space.
- Material equivalent to SKD11, and also SKH51, are both tempered at high temperature.
- When reducing the positioning clearance, use a precision guide pin.