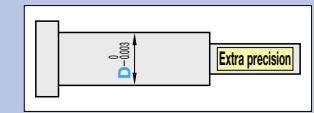


EXTRA PRECISION TAPERLESS ONE-STEP CORE PINS (NO DRAFT ANGLE CORE PINS)

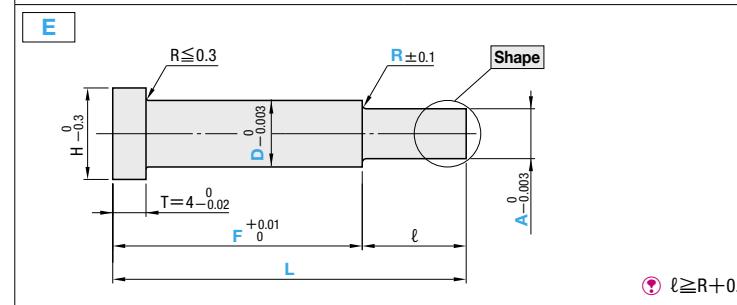
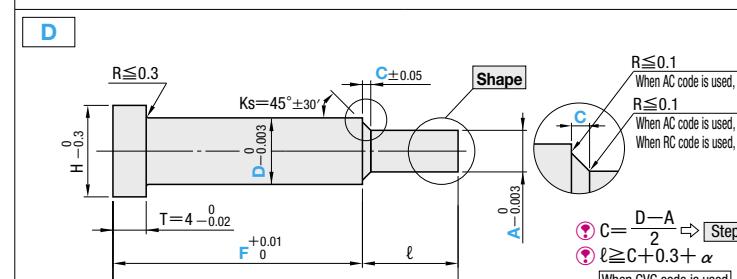
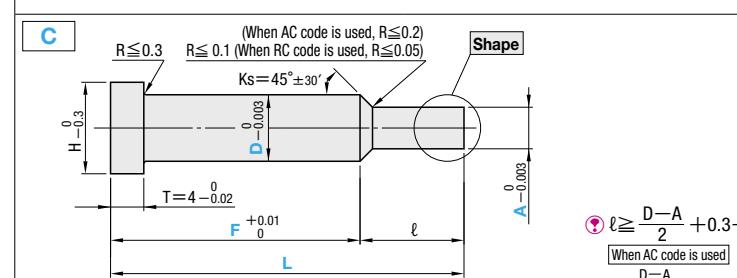
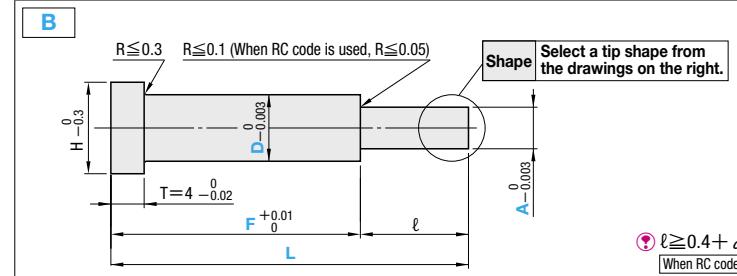
—SHAFT DIAMETER (D) SELECTION TYPE—



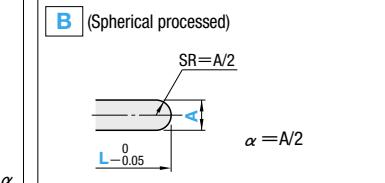
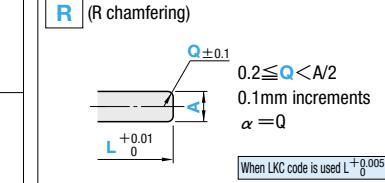
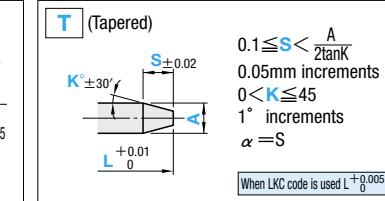
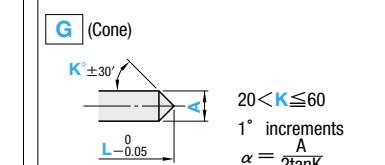
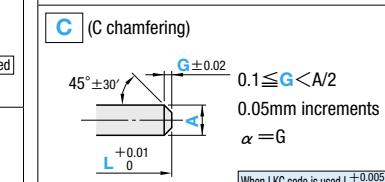
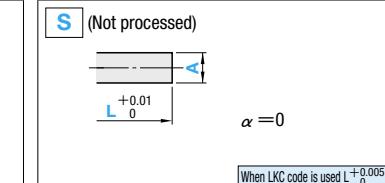
Non JIS material definition is listed on P.1351 - 1352

M H	Part Number		
	Type	Step	Shape
SKH51 equivalent 58~60HRC	CPMS—	B C D E	S C G T R B

Step (Step type) Select from B~E in the drawing below.



Shape (Tip shape)



H	Part Number			D	0.01mm increments		0.001mm increments		0.1mm increments		l max.
	Type	Step	Shape		min.	max.	min.	max.	min.	max.	
3				1							
4				1.5							
5				2							
6				2.5							
7				3							
8	CPMS—	B C D E	S C G T R B	3.5							
9				4							
10				4.5							
11				5							
15				5.5							
18				6							
				6.5							
				7							
				8							
				10							
				12							
				14.00	100.00	12.00	L-l min. l min. Refer to Step drawing		D>A	C<(D-A)/2 and 0.1≤C≤4.0	Only Step D is designated.
				15.00							Only Step E is designated.
				2.000							l≤12×A and l≤35

Order Part Number — L — F — A — C · R — Tip size (K · S · G · Q)

CPMS-BS 4 — 45.55 — F40.00 — A3.500
CPMS-CC 6 — 52.30 — F42.50 — A4.600
CPMS-DG 5 — 48.62 — F37.55 — A4.000 — C0.2 — K30
CPMS-ER 6.5 — 55.65 — F42.35 — A4.500 — R0.5 — Q0.5

Days to Ship Quotation Price Quotation

Alterations Part Number — L — F(FC) — A(AAC) — C(CVC·R) — K · S · G · Q — (KC · WKC··etc.)
CPMS-DC6 — 65.00 — F55.00 — A3.505 — C0.5 — G0.5 — RC — KC3.0
CPMS-DS5 — 50.00 — F38.00 — A2.000 — C0.3 — TRN

Alteration details P.495

Alterations	Code	Spec.	1Code	Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2≤KC<H/2			TRN	Relief under the head (Makes plate chamfering unnecessary)	
	WKC	Two flats cutting D/2≤WKC<H/2			NHC	Numbering on the head How to order P.496 Available when H≥2 Combination with SKC not available.	
KAC	KAC KBC	Varied width parallel flats cutting D/2≤KAC<H/2 KBC=0.1mm increments only KAC<KBC<H/2			LKC	L dimension tolerance alternation $\frac{0.01}{L} \leq L \leq \frac{0.005}{0.005}$ (L designation in 0.005mm increments possible) Available when 1.5≤D≤5 Combination with FC not available. Available for Shape S · C · T · R	
RKC	RKC	Two flats (right angled) cutting D/2≤RKC<H/2			AAC	Extends the working limit of A min. AAC = 0.001mm increments l≤10×AAC	
DKC	DKC	Three flats cutting D/2≤DKC<H/2			RC	Changes R (normally ≤0.1) to R≤0.05. Designation method RC Available for Step B/C/D	
SKC	SKC	Four flats cutting D/2≤SKC<H/2			CVC	C dimension can be designated at 0.01mm increments. 0.10≤CVC≤1.00 CVC=0.01mm increments Available for Step D	
KGC	KGC	Two flats (angled) cutting D/2≤KGC<H/2 0<AG<360 AG=1° increments	0.1mm		AC	Changes the standard angle (Ks=45°). AC=1° increments Available for Step C · D 30≤AC≤60 Combination with CVC/RC not available. When Step D, C≤1.0, A+2(C×tanAC)≤D	
KTC	KTC	Three flats cutting at 120° D/2≤KTC<H/2			FC	F dimension becomes shorter than F min., and L dimension becomes shorter than L min., too. FC≤5mm It can be designated up to L min.=6.5mm.	
HC	HC	Head diameter change HC=0.1mm increments D≤HC<H In relation to the diameter tolerance, alteration may create a straight piece with little diameter difference between the head and shaft.			GVC	Gas vent machining GS · GB=1mm increments Available when D≥2 2≤GS≤10 GS+2≤GB≤30 F min.≤F-GB How to order P.496	
HCC	HCC	Head diameter change (precision) HCC=0.1mm increments D+0.5≤HCC<H-0.3					
TC	TC	Head thickness change TC=0.1mm increments 1.5≤TC<4 (Dimensions L and F remain unchanged) 4-TC≤Lmax.-L					