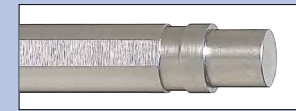


# GAS RELEASE TAPERLESS ONE-STEP CORE PINS (NO DRAFT ANGLE CORE PINS)

—SHAFT DIAMETER (D) SELECTION TYPE—

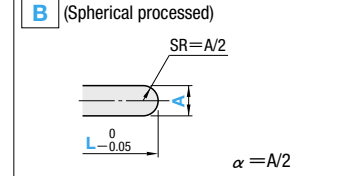
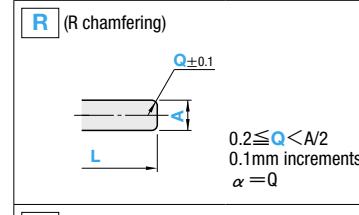
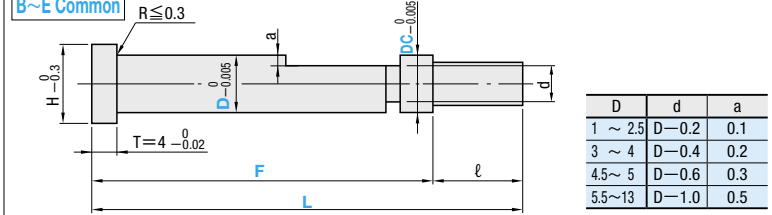
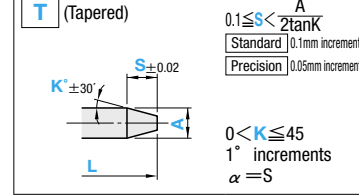
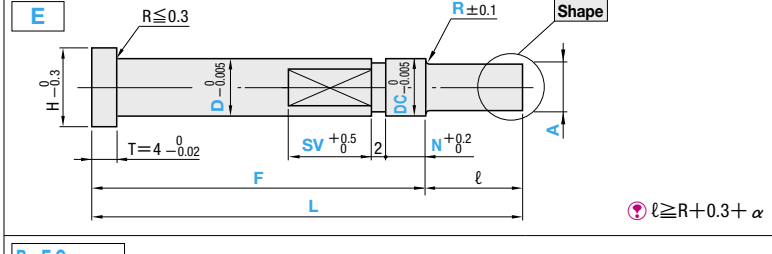
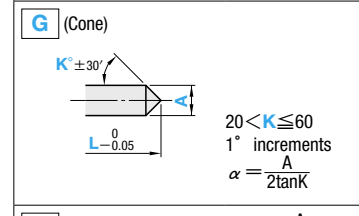
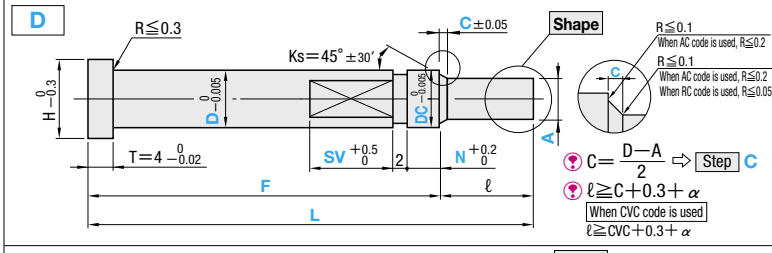
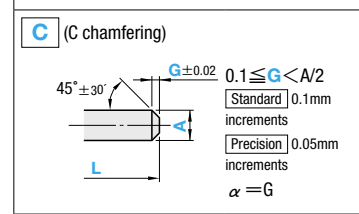
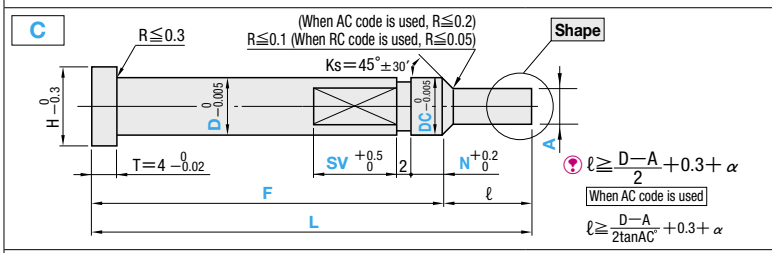
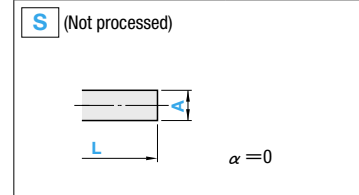
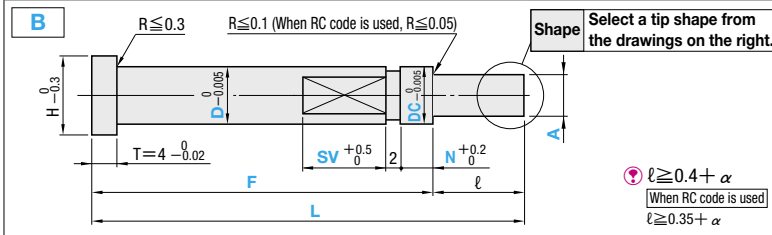


Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS	M H	Part Number			Group	T		
		Type	Step	Shape		A	L · F	
		SKD61 equivalent 48~52HRC	GV-CPPS-	B C D E	S C G T R B	Standard	A	+0.02 0
		SKH51 equivalent 58~60HRC	GV-CPHS-				(G)(B) only L-0.05	
		SKD61 equivalent 48~52HRC	GV-CPZS-				A	+0.01 0
		SKH51 equivalent 58~60HRC	GV-CPVS-				(G)(B) only L-0.05	

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

Shape (Tip shape)



H	Part Number				0.01mm increments		0.1mm increments		0.005mm increments	0.1mm increments	0.5mm increments	ℓ max.
	Type	Step	Shape	D	L	F	A min. max.	C	R	DC	N	
3				1								
4				1.5	16.50		0.50				0.3~10.0	2.0~50.0
5				2	100.00						$F - (2 + SV + N) \geq 10$	
6			S	3		14.50						
7	GV-CPPS-	B	C	3.5		L-ℓ min.		DC > A	Only [Step] D is designated.	Only [Step] E is designated.		
8	GV-CPHS-	C	G	4			1.00		$C < \frac{D-A}{2}$	$R \leq \frac{D-A}{2}$		
9	GV-CPZS-	D	T	4.5					and $0.1 \leq C \leq 4.0$	and $R \geq 0.2$		
9	GV-CPVS-	E	R	5.5	16.50	Ⓜ min. Refer to [Step] drawing	1.50		Ⓜ When DC=D designation of DCX.		0.5~15.0	2.0~60.0
10				6	120.00						$F - (2 + SV + N) \geq 10$	
11				7			2.00					
15				8								
18				10								
				13								

Order

Part Number	L	F	A	C · R	Tip size (K · S · G · Q)	DC(DCX)	N	SV
GV-CPPS-BS5	58.00	F40.00	A4.98			DC4.990	N2	SV10
GV-CPVS-DR6	46.00	F38.00	A4.98	C0.3	Q1.0	DCX	N4	SV15

Days to Ship

Alterations

Part Number	L	F	A(AAC)	C(CVC) · R(RE)	Tip size (K · S · G · Q)	DC(DCX)	N	SV(SVC)	(K · WKC...etc.)
GV-CPHS-BC6	50.00	F40.00	A5.00		G1.0	DCX	N4	SV10	HC8.0
GV-CPPS-CS5	58.00	F50.00	A4.80			DC4.690	N2	SV15	NHC-23

Price

Alteration details P.495

Alterations	Code	Spec.	1Code
	KC	Single flat cutting D/2 ≤ KC < H/2	Quotation
	WKC	Two flats cutting D/2 ≤ WKC < H/2	Quotation
	KAC KBC	Varied width parallel flats cutting D/2 ≤ KAC < H/2 KBC = 0.1mm increments only KAC < KBC < H/2	Quotation
	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.	Quotation
	HCC	Head diameter change (precision) HCC = 0.1mm increments D + 0.5 ≤ HCC < H - 0.3	Quotation
	TC	Head thickness change TC = 0.1mm increments 1.5 ≤ TC < 4 (Dimensions L and F remain unchanged.) 4 - TC ≤ Lmax. - L	Quotation

Alterations	Code	Spec.	1Code
	TRN	Relief under the head (Makes plate chamfering unnecessary)	
	NHC	Numbering on the head How to order P.496 Available when H ≥ 2	
	RE	R shape alteration (enlargement) RE = 0.5mm increments 0.5 ≤ RE ≤ 2.0 F tolerance is +0.05 Standard Available for [Step] E	
	AAC	Extends the working limit of A min. AAC = 0.01mm increments ℓ ≤ 10 × AAC	Quotation
	RC	Changes R (normally ≤ 0.1) to R ≤ 0.05. Designation method   RC Precision Available for [Step] B · C · D	Quotation
	CVC	C dimension can be designated at 0.01mm increments. 0.10 ≤ CVC ≤ 1.00 CVC = 0.01mm increments Available for [Step] D	Quotation
	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) < DC	Quotation
	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. Available for Precision	Quotation
	SVC	Extend the flat section SV to the bottom. Available when D ≥ 2 When used concurrently with key flat cutting, SVC processing is done perpendicularly to the key flat surface.	Quotation

Taperless Core Pins  
Standard  
Precision