

# GAS RELEASE ONE-STEP CORE PINS

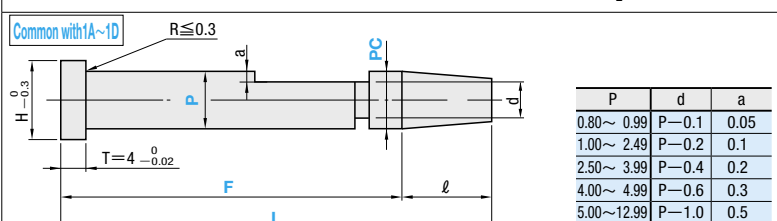
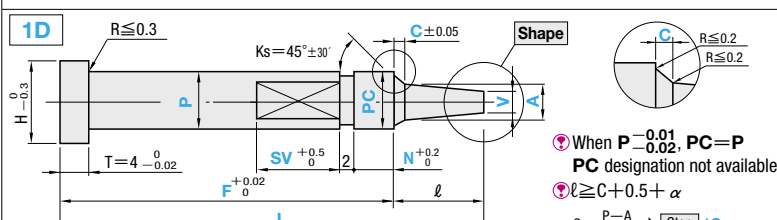
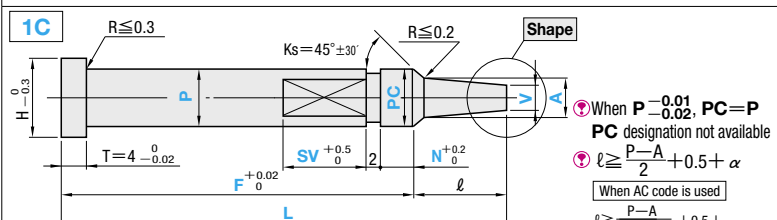
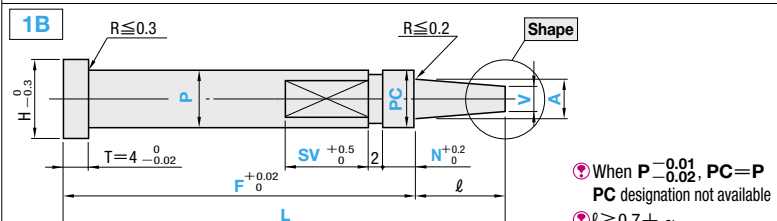
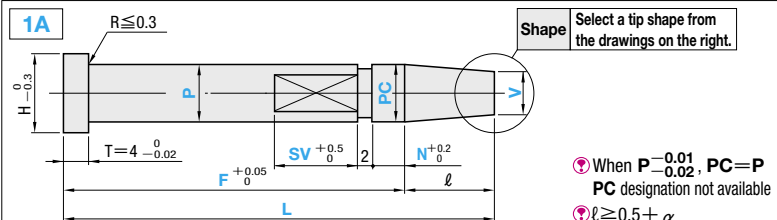
—SHAFT DIAMETER (P) DESIGNATION TYPE—



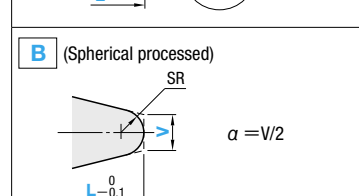
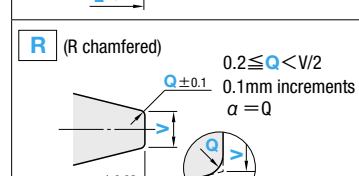
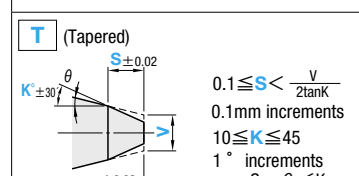
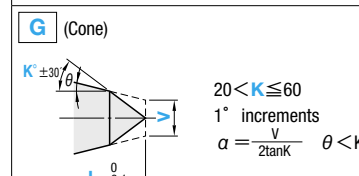
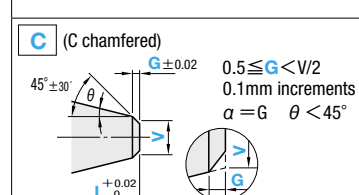
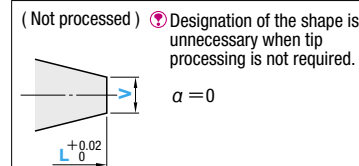
Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS	M H	Part Number			I	
		Type	Step	Shape	P · PC	A · V
	NAK80 37~43HRC	GV-CPNB-	1A	Not processed	-0.01 -0.02	±0.015
	DH2F 38~42HRC	GV-CPFB-				
	SKD61 equivalent 48~52HRC	GV-CPDB-				
	SKH51 equivalent 58~60HRC	GV-CPXB-				
	NAK80 37~43HRC	GV-CPKB-	1C	C G T R B	0 -0.005	±0.01
	DH2F 38~42HRC	GV-CPGB-				
	SKD61 equivalent 48~52HRC	GV-CPPB-				
	SKH51 equivalent 58~60HRC	GV-CPHB-				

## Step type selected from 1A~1D below



## Shape (Tip shape: V is dimension before tip processing.)



(Calculation of tip gradient θ P.1315)

H	Part Number				0.01mm increments					0.1mm increments	0.005mm increments	0.1mm increments	0.5mm increments	ℓmax.	
	Type	Step	Shape	No.	L	P	F	A	Vmin.	C	PC	N	SV		
3	GV-CPNB-	1A	C G T R B	1	16.50	0.80~0.99	14.50	PC>A≥V PC>V	0.50	Only [Step] 1D designated	P-0.08≤PC≤P	When P=0.01, P=0.02, can't be designated PC	0.3~10.0	2.0~50.0	15.00
4				1.5		1.00~1.49							20.00		
5				2		1.50~1.99							25.00		
6				2.5		2.00~2.49							30.00		
7				3		2.50~2.99							35.00		
8				3.5		3.00~3.49							40.00		
9				4		3.50~3.99							45.00		
10				4.5		4.00~4.49							50.00		
11				5		4.50~4.99									
12				5.5		5.00~5.49									
13				6		5.50~5.99									
14				6.5		6.00~6.49									
15				7		6.50~6.99									
16	7.5	7.00~7.49													
17	8	7.50~7.99													
18	8.5	8.00~8.49													
19	9	8.50~8.99													
20	9.5	9.00~9.49													
21	10	9.50~9.99													
22	10.5	10.00~10.49													
23	11	10.50~10.99													
24	11.5	11.00~11.49													
25	12	11.50~11.99													
26	12.5	12.00~12.49													
27	13	12.50~12.99													

Order

Part Number	L	P	F	A	V	C	Tip size (K·S·G·Q)	PC(PCX)	N	SV
GV-CPNB-1A 5	52.60	P4.95	F44.00		V4.50				N2	SV20
GV-CPHB-1BR4	45.00	P3.90	F35.00	A3.00	V2.60		Q0.2	PCX	N8	SV15
GV-CPGB-1CC5.5	45.00	P5.49	F30.50	A5.00	V4.50		G1.2	PC5.450	N10	SV8.5
GV-CPPB-1DG6	45.50	P5.78	F37.50	A5.00	V3.10	C0.3	K40	PC5.740	N5	SV20

Days to Ship

Alterations

Part Number	L	P	F	A	V(VC)	C(CVC)	Tip size (K·S·G·Q)	PC(PCX)	N	SV(SVC)	(KC · WKC...etc.)
GV-CPHB-1BR4	45.00	P3.90	F35.00	A3.00	V2.60		Q0.2	PCX	N8	SV15	HC6.5
GV-CPGB-1CC5.5	45.00	P5.49	F30.50	A5.00	V4.50		G1.2	PC5.450	N10	SV8.5	NHC-23

Alteration details P.441

Alterations	Code	Spec.	1Code
TC	TC	Head thickness change TC=0.1mm increments 1.5≤TC<4 (Dimensions L and F remain unchanged.) 4-TC≤ℓmax.-L	
TRN	TRN	Relief under the head (No need for plate chamfering)	
NHC	NHC	Numbering on the head How to order P.442 Available when H≥2	
AC	AC	Changes the standard angle (Ks=45°) AC=1° increments Available for [Step] 1C/1D 30≤AC≤60 Combination with RR · CVC not available. When [Step] 1D, C≤1.0, A+2(C×tanAC)<P	
RR	RR	Changes R (normally 0.2 or less) to R0.3~0.5. (Strength has been improved) [Designation method] RR Available for [Step] 1B/1C/1D P-A≥1.0 When [Step] 1D, C≥0.5	
CVC	CVC	C dimension can be designated at 0.01mm increments. 0.50≤CVC≤1.00 Available for [Step] 1D CVC<(P-A)/2 Combination with AC not available.	
VC	VC	Vmin. is enlarged. VC=0.01mm increments ℓ≤A×5, ℓ≤50 (P×5 for [Step] 1A). PC>A≥VC Regarding No.=2~3, 4.5, 5 and 13, Vmin. is the machining limit, and VC cannot be used.	
SVC	SVC	Extend the flat section SV to the bottom. GV-CPNB - Available for GV-CPKB - only, P≥2 When P<1 Available for L=60 or less When used concurrently with key flat cutting, SVC processing is done perpendicularly to the key flat surface.	