

Locating Pins - Large Head, Tapered

Threaded, Hex Socket

Locating Pins - Large Head, Tapered

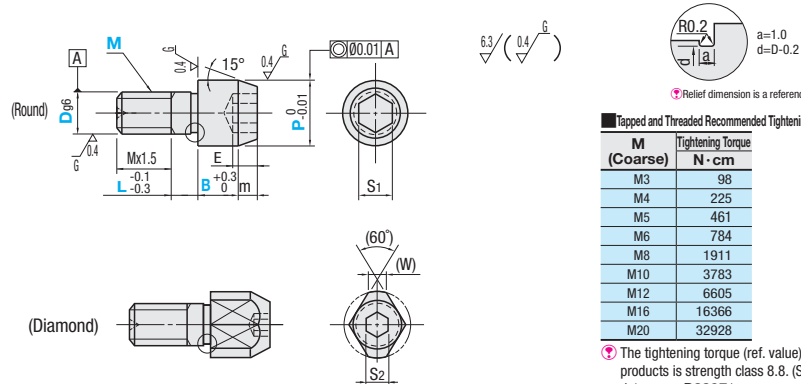
Screw Mounted, Standard / Compact

■ **Features:** Hex Socket is attached to the tip of Large Head, Tapered, Threaded. It is easy to mount as you can stop the head rotation.



RoHS 10

Material No.	Material	Surface Treatment	Hardness	Type	Shape Code
①	SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	FPNS	A (Round) D (Diamond)
②	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GFPNS	
③	SKS3 Equivalent	-	-	BFPNS	
④	SUS304	-	-	SFPNS	
⑤	SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	HFPNS	
⑥	SUS440C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	CFPNS	



Ⓜ Tapped and Threaded Recommended Tightening Torque (Reference)

M (Coarse)	Tightening Torque (N·cm)
M3	98
M4	225
M5	461
M6	784
M8	1911
M10	3783
M12	6605
M16	16366
M20	32928

Ⓜ The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P2297.)

Ⓜ SUS440C or 13Cr stainless has an identification groove at any position on D part.

Ⓜ When M < D, the incomplete threaded portion (Pitchx2) is included in Mx1.5.

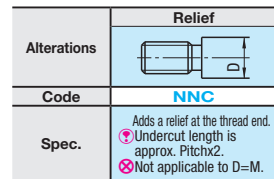
Type	Shape	Part Number											
		D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	M (Coarse)	m	(W)	S1	S2	E	
FPNS GFPNS BFPNS SFPNS HFPNS CFPNS	A (Round)	3	-0.002 -0.008	6.00-6.50	2-6	3.5-10.0	3	2	-	-	-	-	-
		4	-	6.50-7.00	2-8	2.5-10.0	3 4	-	-	-	-	-	-
		5	-0.004 -0.012	6.50-8.00	3-10	2.5-10.0	3 4 5	3	-	3	-	2	-
		6	-	6.50(8.00)-10.00	3-10	2.5-12.0	4 5 6	3	-	3	-	3	-
		8	-0.005 -0.014	9.00(10.00)-13.00	5-10	3.0-15.0	4 5 6 8	4	3.5	4	4	4	2.5
	D (Diamond) Ⓜ Applicable when D ≥ 6	10	-0.005 -0.014	11.00(12.00)-15.00	5-15	4.5-20.0	5 6 8 10	4	4	5	5	3	3
		12	-0.006 -0.017	13.00-18.00	8-15	6.0-20.0	6 8 10 12	4	5	6	6	4	4
		16	-0.007 -0.020	17.00-25.00	8-20	8.0-20.0	8 10 12 16	5	7	8	8	5	5
		20	-0.007 -0.020	22.00-30.00	10-20	8.0-20.0	10 12 16 20	5	9	8	8	5	5

Ⓜ P dimension in () is applicable to Diamond Shape. Ⓜ When M dimension is not specified, D=M.

Ordering Example: Part Number [Type] [Shape] [D] - [P] - [L] - [B] - [M] - (NNC)

Alterations: Part Number FPNSA8 - P10.00 - L10 - B10.0 - M6 - NNC

FPNS A 10 - P12.00 - L5 - B5.0
GFPNS D 16 - P19.50 - L14 - B10.0 - M12



D	Unit Price Round Shape						Unit Price Diamond Shape					
	①SKS3 Hardened	②Hard SKS3	③SKS3	④SUS304	⑤Hard SUS304	⑥SUS440C or 13Cr stainless	①SKS3 Hardened	②Hard SKS3	③SKS3	④SUS304	⑤Hard SUS304	⑥SUS440C or 13Cr stainless
3	FPNSA	GFPNSA	BFPNSA	SFPNSA	HFPNSA	CFPNSA	FPNSD	GFPNSD	BFPNSD	SFPNSD	HFPNSD	CFPNSD
4												
5												
6												
8												
10												
12												
16												
20												

■ **Features:** Large Head, Tapered. The hollow area is a screw hole. Improved maintainability compared to the press fit type.

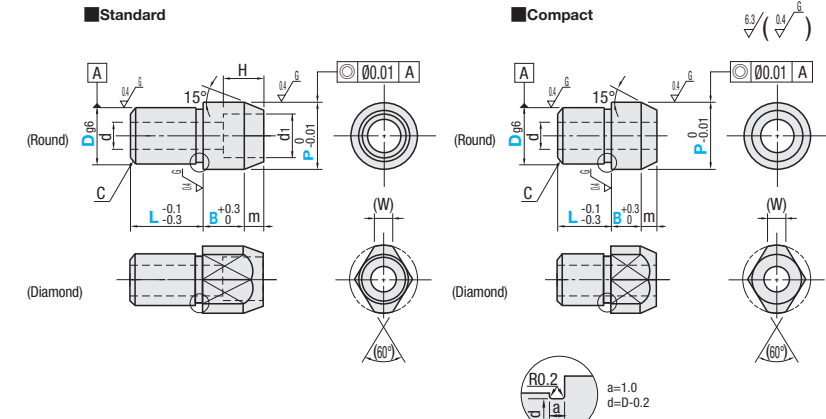


RoHS 10

Material No.	Material	Surface Treatment	Hardness	Standard			Shape Code
				P Configurable	L, B Configurable	Compact	
①	SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	JPT	FPT	FPTC	MA (Round) MD (Diamond)
②	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	-	GFPT	-	
③	SKS3 Equivalent	-	-	-	BFPT	-	
④	SUS304	-	-	SJPT	SFPT	SFPTC	
⑤	SUS304	Hard Chrome Plating	Plating Hardness: 750HV ~	-	HFPT	-	
⑥	SUS440C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	CJPT	CFPT	-	

■ Standard

■ Compact



■ Applicable Screws

D	g6	d	d1	H	Applicable Screw M
10	-0.005 -0.014	4.5	8	5	M4
12	-0.006 -0.017	5.5	9.5	6.5	M5
13	-0.006 -0.017	6.6	11	7.5	M6
16	-0.007 -0.020	9	14	10	M8

Ⓜ SUS440C or 13Cr stainless has an identification groove at any position on D part. Ⓜ Relief dimension is a reference value.

■ Standard, P Configurable

Type	Shape	Part Number						
		D	P 0.01mm Increment	L	B	C	m	(W)
JPT SJPT CJPT	MA (Round) MD (Diamond)	10	14.00-17.00	15	10	2	4	4
		12	15.00-18.00	15	10	2	4	5
		13	17.00-20.00	22	15	3	5	5.5
		16	20.00-27.00	30	15	3	5	7
		20	23.00-30.00	30	15	3	5	9

■ Standard, P, L, B Configurable

Type	Shape	Part Number						
		D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	m	(W)
FPT GFPT BFPT SFPT HFPT CFPT	MA (Round) MD (Diamond)	10	14.00-17.00	5-20	4.0-20.0	-	4	4
		12	15.00-18.00	6-24	7.0-20.0	-	4	5
		13	17.00-20.00	6-26	8.0-20.0	-	5	5.5
		16	20.00-27.00	7-32	8.0-20.0	-	7	7
		20	23.00-30.00	8-40	8.0-20.0	-	9	9

Ⓜ When L < D, C dimension (chamfered) is 0.5.

■ Compact

Type	Shape	Part Number				
		D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C
FPTC SFPTC	MA (Round) MD (Diamond)	10	11.00-15.00	5-14	3.0-16.0	0.5
		12	13.00-17.00	6-15	3.0-18.0	0.5
		13	14.00-18.00	6-16	3.0-20.0	0.5
		16	17.00-21.00	7-18	3.0-20.0	0.5
		20	21.00-25.00	8-20	3.0-20.0	0.5

Ordering Example: Part Number [Type] [Shape] [D] - [P] - [L] - [B]

JPT MA 10 - 14.00
FPT MA 10 - P14.00 - L15 - B6.0
FPTC MA 12 - P13.00 - L6 - B3.0

■ Standard, P Configurable

D	Unit Price Round Shape		Unit Price Diamond Shape	
	①SKS3 Hardened	④SUS304	①SKS3 Hardened	④SUS304
10	JPTMA	SJPTMA	JPTMD	SJPTMD
12				
13				
16				
20				

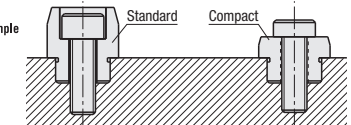
■ Standard, P, L, B Configurable

D	Unit Price Round Shape						Unit Price Diamond Shape					
	①SKS3 Hardened	②Hard SKS3	③SKS3	④SUS304	⑤Hard SUS304	⑥SUS440C or 13Cr stainless	①SKS3 Hardened	②Hard SKS3	③SKS3	④SUS304	⑤Hard SUS304	⑥SUS440C or 13Cr stainless
10	FPTMA	GFPTMA	BFPTMA	SFPTMA	HFPTMA	CFPTMA	FPTMD	GFPTMD	BFPTMD	SFPTMD	HFPTMD	CFPTMD
12												
13												
16												
20												

■ Compact

D	Unit Price Round Shape		Unit Price Diamond Shape	
	①SKS3 Hardened	④SUS304	①SKS3 Hardened	④SUS304
10	FPTCMA	SFPTCMA	FPTCMD	SFPTCMD
12				
13				
16				
20				

EX Example



Although the screw heads protrude from Compact Type pin, head diameter P and height B are configurable to even smaller dimensions.