

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.

Material No.	Material	Surface Treatment	Hardness	Type	Shape Code
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	FPNS	A (Round) D (Diamond)
②	EN 1.2510 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GFPNS	
③	EN 1.2510 Equiv.	-	-	BFPNS	
④	EN 1.4301 Equiv.	-	-	SFPNS	
⑤	EN 1.4301 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Plating Hardness: 750HV ~	HFPNS	
⑥	EN 1.4125 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CFPNS	

Ⓜ Tapped and Threaded Recommended Tightening Torque (Reference)

M (Coarse)	Tightening Torque N-cm
M3	147
M4	333
M5	676
M6	1156
M8	2803
M10	5557
M12	9702
M16	24108
M20	46942

Ⓜ Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P2297 (10.9). Not applicable when using locking materials or lock washers.

Ⓜ EN 1.4125 Equiv. has an identification groove at any position on D part.

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

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

Material No.	Material	Surface Treatment	Hardness	Standard			Compact			Shape Code
				P Configurable	L, B Configurable	Compact	P, L, B Configurable	Compact		
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	JPT	FPT	FPTC	-	-	MA (Round) MD (Diamond)	
②	EN 1.2510 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	-	GFPT	-	-	-		
③	EN 1.2510 Equiv.	-	-	-	BFPT	-	-	-		
④	EN 1.4301 Equiv.	-	-	SJPT	SFPT	SFPTC	-	-		
⑤	EN 1.4301 Equiv.	Hard Chrome Plating Plating Thickness: 3µm or more	Plating Hardness: 750HV ~	-	HFPT	-	-	-		
⑥	EN 1.4125 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CJPT	CFPT	-	-	-		

Ⓜ EN 1.4125 Equiv. has an identification groove at any position on D part.

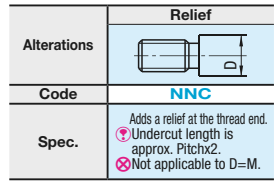
Ⓜ Relief dimension is a reference value.

Type	Shape	D	D dim. Tolerance g6	Part Number			M (Coarse)	m	(W)	S1	S2	E	
				P	L	B							
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	-0.004	6.50-7.00	2-8	2.5-10.0	3 4	-	-	-	-	-	
		5	-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	-	-	-	-
		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	2.5	-
	D (Diamond) Applicable when D≥6	10	-0.006 -0.017	11.00(12.00)-15.00	5-15	4.5-20.0	5 6 8 10	4	4	5	5	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	-
		16	-0.007 -0.020	17.00-25.00	8-20	8.0-20.0	8 10 12 16	5	7	8	8	5	-
		20	-	22.00-30.00	10-20	8.0-20.0	10 12 16 20	5	9	8	8	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] Alterations [Part Number] - [P] - [L] - [B] - [M] - (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					
	①EN 1.2510 Equiv. Hardened FPNSA	②Hard EN 1.2510 Equiv. GFPNSA	③EN 1.2510 Equiv. BFPNSA	④EN 1.4301 Equiv. SFPNSA	⑤Hard EN 1.4301 Equiv. HFPNSA	⑥EN 1.4125 Equiv. CFPNSA	①EN 1.2510 Equiv. Hardened FPNSD	②Hard EN 1.2510 Equiv. GFPNSD	③EN 1.2510 Equiv. BFPNSD	④EN 1.4301 Equiv. SFPNSD	⑤Hard EN 1.4301 Equiv. HFPNSD	⑥EN 1.4125 Equiv. CFPNSD
3												
4												
5												
6												
8												
10												
12												
16												
20												

Type	Shape	D	Part Number			m	(W)	S1	S2	E	
			P	L	B						
JPT SJPT CJPT	MA (Round) MD (Diamond)	10	14.00-17.00	5-10	3.5-10.0	3	2	-	-	-	
		12	15.00-18.00	6-12	2.5-10.0	3 4	-	-	-	-	
		13	17.00-20.00	6-12	2.5-10.0	3 4 5	3	3	-	-	
		16	20.00-27.00	7-16	3.0-15.0	4 5 6 8	4	3.5	4	4	2.5
		20	23.00-30.00	8-20	8.0-20.0	8 10 12 16	5	7	8	8	5

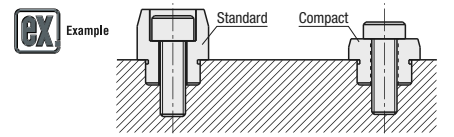
Ordering Example: Part Number [Type] [Shape] [D] - [P] - [L] - [B]

JPT MA 10 - 14.00
GFPT MA 10 - P14.00 - L15 - B6.0
BFPT MA 12 - P13.00 - L6 - B3.0

D	Unit Price Round Shape			Unit Price Diamond Shape		
	①EN 1.2510 Equiv. Hardened JPTMA	②EN 1.4301 Equiv. Hardened SJPTMA	③EN 1.4125 Equiv. Hardened CJPTMA	①EN 1.2510 Equiv. Hardened JPTMD	②EN 1.4301 Equiv. Hardened SJPTMD	③EN 1.4125 Equiv. Hardened CJPTMD
10						
12						
13						
16						
20						

D	Unit Price Round Shape						Unit Price Diamond Shape					
	①EN 1.2510 Equiv. Hardened FPTMA	②Hard EN 1.2510 Equiv. GFPTMA	③EN 1.2510 Equiv. Hardened BFPTMA	④EN 1.4301 Equiv. Hardened SFPTMA	⑤Hard EN 1.4301 Equiv. HFPTMA	⑥EN 1.4125 Equiv. Hardened CFPTMA	①EN 1.2510 Equiv. Hardened FPTMD	②Hard EN 1.2510 Equiv. GFPTMD	③EN 1.2510 Equiv. Hardened BFPTMD	④EN 1.4301 Equiv. Hardened SFPTMD	⑤Hard EN 1.4301 Equiv. HFPTMD	⑥EN 1.4125 Equiv. Hardened CFPTMD
10												
12												
13												
16												
20												

D	Unit Price Round Shape		Unit Price Diamond Shape	
	①EN 1.2510 Equiv. Hardened FPTCMA	②EN 1.4301 Equiv. Hardened SFPTCMA	①EN 1.2510 Equiv. Hardened FPTCMD	②EN 1.4301 Equiv. Hardened SFPTCMD
10				
12				
13				
16				
20				



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