

Locating Pins

-With Air Vent Male Thread / Female Thread / Pilot Pins-

■ Features: Through hole for air vent enables easy insertion of pins.

With Air Vent
STOCK ITEM
PRINTED IN NAVY

RoHS 10

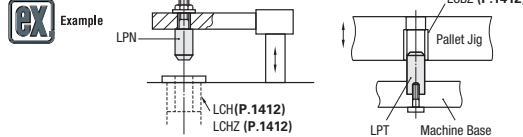
Type		Material	Hardness
Male Thread	Female Thread	SUSJ2	Treated Hardness 45 ~ 50HRC
LPN	LPT	SUS304	-
SLPN	SLPT	SUS304	-
CLPN	CLPT	SUS440C Equivalent	Treated Hardness 50 ~ 55HRC

(One Side Chamfering)

Part Number		D Dimension Tolerance g6		L		L1	dg6	M (Coarse)	ℓ1	ℓ2	r	
Type	Type	5	6	10	12	15	20	25	30			
Male Thread	Female Thread	5	-0.004	10	12	15	20	25	30	12	3	-0.002
		6	-0.012	10	12	15	20	25	30	15	4	-0.008
LPN	LPT	8	-0.005	10*	12	15	20	25	30	15	5	-0.004
SLPN	SLPT	10	-0.014	15	20	25	30			20	6	-0.012
CLPN	CLPT	12	-0.006	15	20	25	30			20	6	-0.012
			-0.017	15	20	25	30					

♣ Male Thread: L=10 and 12 are applicable to SLPN and CLPN only. ♣ Female Thread: ℓ1=6 only when D=6 and L=10. * L=10 is not applicable when D=8. The pilot hole for tapping may go through.

Order Example
Part Number - L
LPN5 - 15
LPT6 - 20



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B Dimension Standard		B Dimension Configurable		Material	Hardness
Standard	Female Thread With Flathead Slot	Standard	Female Thread Without Flathead Slot / With Flathead Slot	SKS3	Treated Hardness 60 ~ 63HRC
HPST	HPSTM	HPSF	HPSFS	SUS304	-
SHPST	SHPSTM	SHPSF	SHPSFS	SUS440C Equivalent	Treated Hardness 50 ~ 55HRC
CHPST	CHPSTM	CHPSF	CHPSFS		

B Dimension Standard - Female Thread

Part Number		D Dimension Tolerance	L Selection	P 0.01mm Increment	B 0.1mm Increment	E 0.1mm Increment	ℓ	M (Coarse)
Standard	Female Thread With Flathead Slot	+0.012	1	1.50-3.00	1	3		
HPST	HPSTM		2	2.50-4.00	1	4		
SHPST	SHPSTM		3	4.00-6.00	2	5	3	
CHPST	CHPSTM		4	5.00-7.00	2	5	3	M3
			5	6.00-8.00	2	5	3	M4
			6	7.00-9.00	3	6		M5
			8	9.00-13.00	3	6		
			10	11.00-15.00	3	6		

B Dimension Configurable - Standard

Part Number		D Dimension Tolerance	L Selection	P 0.01mm Increment	B 0.1mm Increment	E	ℓ
HPSF	SHPSF	+0.012	1	3 4 5 6 8 10 12	1.50-3.00	1.00-5.00	3
			2	4 5 6 8 10 12	2.50-4.00	1.00-10.00	4
			3	5 6 8 10 12 15	4.00-6.00	1.00-10.00	5
			4	5 6 8 10 12 15	5.00-7.00	1.00-10.00	5
			5	5 6 8 10 12 15	6.00-8.00	1.00-10.00	6
			6	6 8 10 12 15	7.00-10.00	1.00-12.00	6
			8	8 10 12 15	9.00-13.00	1.00-15.00	6
			10	10 12 15 18	11.00-15.00	1.00-20.00	6

B Dimension Configurable - Female Thread

Part Number		D Dimension Tolerance	L Selection	P 0.01mm Increment	B 0.1mm Increment	E	M (Coarse)
Without Flathead Slot	With Flathead Slot	-0.004	5	6 8 10 12 15	6.00-8.00	1.00-10.00	5
HPSFS	HPSFM		6	6 8 10 12 15	7.00-10.00	1.00-12.00	M3
SHPSFS	SHPSFM		8	8 10 12 15 18	9.00-13.00	1.00-15.00	M4
CHPSFS	CHPSFM		10	10 12 15 18	11.00-15.00	1.00-20.00	M5

Order Example
Part Number - L - P - B
HPST5 - 15 - P7.20
HPST4 - 10 - P5.05 - B1.20

Alteration	Code	Spec.
B Dimension	BC	BC=0.1mm Increment 1≤BC≤BCmax Ordering Code BC3.5 ♣ Applicable to B Standard Type only.
		D BCmax 1.2 3.0 3 4.0 4.5 5.0 6 6.0 8,10 7.0

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-Double Stepped-

■ Features: Suitable for positioning works with different hole diameters.

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Standard		Female Thread	Material	Surface Treatment	Hardness
D Tolerance m6	D Tolerance p6	D Tolerance g6	SKS3	-	Treated Hardness 60 ~ 63HRC
WPM	WPP	WPG	SUS304	-	-
SWPM	-	SWPG	SUS304	Hard Chrome Plating Plating Thickness 3µm or More	Plating Hardness 750HV ~
HWPM	HWPP	HWPG	SUS304	-	-

Standard

Part Number		P 0.01mm Increment	Q 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	E 0.1mm Increment	F 0.1mm Increment	m	C	ℓ		
D Tolerance m6	D Tolerance p6	2	2.00-4.00	1.00-3.00	2-6	2.0-6.0	1.0-3.0	2.0-6.0	1	0.3	0	
		3	3.00-6.00	1.00-5.00	3-6	2.0-10.0	1.0-5.0	2.0-10.0	2	0.5		
		4	4.00-7.00	2.00-6.00	4-8	2.0-15.0	1.0-8.0	2.0-15.0			1	
		5	5.00-8.00	2.00-7.00	5-10					3	1	
		6	6.00-10.00	2.00-9.00	6-12	2.0-20.0		2.0-20.0			1.5	
		8	8.00-13.00	3.00-12.00	8-16					4	2	2
		10	10.00-15.00	3.00-14.00	10-20	3.0-20.0	1.0-10.0					
		12	12.00-16.00	5.00-15.00	12-24			3.0-20.0				
		16	16.00-25.00	10.00-24.00	16-32	5.0-20.0			5.0-20.0			
		20	20.00-30.00	13.00-29.00	20-40					5	3	

♣ P>Q

Female Thread

Part Number		P 0.01mm Increment	Q 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	E 0.1mm Increment	F 0.1mm Increment	m	M (Coarse)	ℓ		
D Tolerance g6	WPG	6	6.00-10.00	2.00-9.00	6-12	2.0-20.0		2.0-20.0	3	M3	5	
		8	8.00-13.00	3.00-12.00	8-16	2.0-20.0				M4		
		10	10.00-15.00	3.00-14.00	10-20	3.0-20.0	1.0-10.0	3.0-20.0	4	M5	8	
		12	12.00-16.00	5.00-15.00	12-24							
		16	16.00-25.00	10.00-24.00	16-32	5.0-20.0						
		20	20.00-30.00	13.00-29.00	20-40				5.0-20.0	5	M8	12

♣ P>Q ♣ Note the strength of under-head part. ⚠ P.1281

Order Example
Part Number - P - Q - L - B - E - F
SWPM5 - P7.30 - Q5.01 - L10 - B10.5 - E5.2 - F7.8
HWPG16 - P20.02 - Q15.30 - L18 - B12.3 - E3.1 - F5.0

