



Straight Locating Pin - Hardened Stainless Steel

Tapered & Sphere Ends - Pressfit / Tapped -

Material	Hardness	Shape	Type	
			Press Fit	Tapped
Hardened Stainless Steel	35HRC~	Tapered	ALPSTA	ALPSTTA
		Sphere	ALPSQA	ALPSQTA

$\odot D-2E \tan A \geq 0.73$ (Tip Diameter ≥ 0.73 or more)
Reference: $\tan 15^\circ \approx 0.267$ $\tan 30^\circ \approx 0.577$ $\tan 45^\circ = 1$ $\tan 60^\circ \approx 1.732$

Tolerance Selection

D or P	m6	p6	g6	h7
1-3	+0.008 +0.002	+0.012 +0.006	-0.002 -0.008	0 -0.010
3.01-6	+0.012 +0.004	+0.020 +0.012	-0.004 -0.012	0 -0.012
6.01-10	+0.015 +0.006	+0.024 +0.015	-0.005 -0.014	0 -0.015
10.01-18	+0.018 +0.007	+0.029 +0.018	-0.006 -0.017	0 -0.018
18.01-25.5	+0.021 +0.008	+0.035 +0.022	-0.007 -0.020	0 -0.021

Press Fit

Tapped

Press Fit

Type	Part Number		L 0.1mm Increment	Only for Tapered		C	ℓ ₁
	D Tolerance	D		E 0.1mm Increment	A Selections		
ALPSTA(Tapered) ALPSQA(Sphere)	M(m6) P(p6) G(g6) H(h7)	3	3.0-40.0	0.5-10.0	15 30 45 60	0.5	1
		4					
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13	5.0-60.0	0.5-10.0	15 30 45 60	2	2
		14					
		15					
		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					

Tapped

Type	Part Number		L 0.1mm Increment	Only for Tapered		M (Coarse)	*Tightening Torque N-cm	ℓ ₂		
	D Tolerance	D		E 0.1mm Increment	A Selections					
ALPSTTA(Tapered) ALPSQTA(Sphere)	M(m6) P(p6) G(g6) H(h7)	6	10.0-40.0	0.5-10.0	15 30 45 60	M3	147	5		
		7								
		8								
		9								
		10								
		11	15.0-40.0			0.5-10.0	15 30 45 60	M4	333	6
		12								
		13								
		14								
		15								
		16								
		17								
		18								
		19								
		20								
		21	17.0-40.0			0.5-10.0	15 30 45 60	M5	676	8
		22								
		23								
		24								
		25								
		26	17.0-40.0			0.5-10.0	15 30 45 60	M6	1156	9
		27								
		28								
		29								
		30								

*Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P. 2297 (10.9). Not applicable when using locking materials or lock washers.

Part Number Example: **ALPSTAM6 - L14.0 - E2.5 - A30**