



Locating Pins

Straight, Tapered Tip / Tapped

Locating Pins / Bushings for Locating Pins

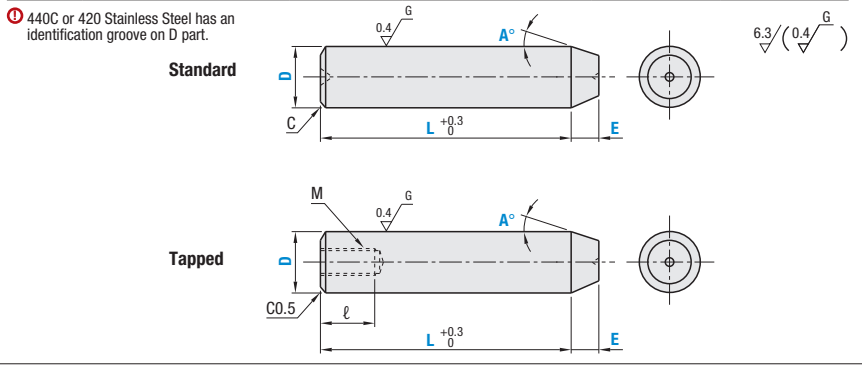


Tolerance Selection

D	Standard Grade			
	M	P	G	H
1-3	+0.008 m6	+0.012 p6	-0.002 g6	0 h7
4-6	+0.002	+0.006	-0.008	-0.010
8, 10	+0.012	+0.020	-0.004	0
	+0.004	+0.012	-0.012	-0.012
	+0.015	+0.024	-0.005	0
	+0.006	+0.015	-0.014	-0.015

Ⓢ D-2EtanA ≥ 0.73 (Tip diameter ø0.73 or more)

Material No.	Material	Surface Treatment	Hardness	Type	
				Standard	Tapped
(1)	O1 Tool Steel Equivalent	—	60-63 HRC min.	LPSTA	LPSTTA
(2)	O1 Tool Steel Equivalent	Chrome Plating	50-55 HRC min. Plating Hardness 750 HV min.	GLPSTA	GLPSTTA
(3)	O1 Tool Steel Equivalent	—	—	BLPSTA	BLPSTTA
(4)	304 Stainless Steel Equivalent	—	—	SLPSTA	SLPSTTA
(5)	304 Stainless Steel Equivalent	Chrome Plating	Plating Hardness 750 HV min.	HLPSTA	HLPSTTA
(6)	440C or 420 Stainless Steel	—	50-55 HRC min.	CLPSTA	CLPSTTA

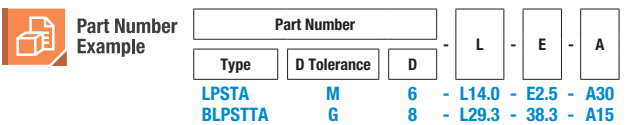


Standard

Type	Part Number	D Tolerance	D	L	E	A	C
				0.1 mm Increment	0.1 mm Increment	Selection	
LPSTA	M m6 P p6 G g6 H h7		1	3.0-10.0	0.5-10.0	15 30 45 60	0.1
GLPSTA			2	3.0-20.0			0.5
BLPSTA			3	3.0-25.0			1
SLPSTA			4	4.0-30.0			
HLPSTA			5	5.0-40.0			1.5
CLPSTA			6	5.0-40.0			
			8				2
			10				

Tapped

t	Part Number	D Tolerance	D	L	E	A	M	ℓ
				0.1 mm Increment	0.1 mm Increment	Selection	(Coarse)	
LPSTTA	M m6 P p6 G g6 H h7		5	10.0-30.0	0.5-10.0	15 30 45 60	M2	3
GLPSTTA			6	10.0-40.0			M3	5
BLPSTTA			8	15.0-40.0			M5	8
SLPSTTA			10				M5	8
HLPSTTA								
CLPSTTA								



Alterations	Tapping	Insertion Guide	Air Vent	Dual Tolerance Machining																																																
Code	MH	GDC	AC	DKM, DKP, DKG, DKH																																																
Spec.	<p>Adds a tapped hole.</p> <p>Ordering Code: MH</p> <table border="1"> <thead> <tr> <th>D</th> <th>MH (Coarse Thread)</th> <th>ℓ₂</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>M3</td> <td>4</td> </tr> <tr> <td>8, 10</td> <td>M4</td> <td>6</td> </tr> </tbody> </table> <p>Ⓢ D-2EtanA=M+2</p> <p>Ⓢ Applicable when D≥6</p> <p>Ⓢ L+E=ℓ₂+8</p> <p>Ⓢ Not applicable to D≤2</p>	D	MH (Coarse Thread)	ℓ ₂	6	M3	4	8, 10	M4	6	<p>Adds Insertion Guide.</p> <p>Ordering Code: GDC</p> <p>Ⓢ Not applicable to D≤2</p>	<p>Adds an air vent.</p> <p>Ordering Code: AC</p>	<p>Changes outer diameter tolerance by ℓ₁ distance.</p> <p>Ordering Code: DKM18 (When changing ℓ₁ = ℓ_g to m6.)</p> <table border="1"> <thead> <tr> <th rowspan="2">D</th> <th colspan="4">Tolerance Code</th> </tr> <tr> <th>DKM</th> <th>DKP</th> <th>DKG</th> <th>DKH</th> </tr> </thead> <tbody> <tr> <td>1-3</td> <td>+0.008 m6</td> <td>+0.012 p6</td> <td>-0.002 g6</td> <td>0 h7</td> </tr> <tr> <td>4-6</td> <td>+0.002</td> <td>+0.006</td> <td>-0.008</td> <td>-0.010</td> </tr> <tr> <td></td> <td>+0.012</td> <td>+0.020</td> <td>-0.004</td> <td>0</td> </tr> <tr> <td></td> <td>+0.004</td> <td>+0.012</td> <td>-0.012</td> <td>-0.012</td> </tr> <tr> <td>8, 10</td> <td>+0.015</td> <td>+0.024</td> <td>-0.005</td> <td>0</td> </tr> <tr> <td></td> <td>+0.006</td> <td>+0.015</td> <td>-0.014</td> <td>-0.015</td> </tr> </tbody> </table> <p>Ⓢ 2≤ℓ₁<L</p> <p>Ⓢ No relief groove.</p>	D	Tolerance Code				DKM	DKP	DKG	DKH	1-3	+0.008 m6	+0.012 p6	-0.002 g6	0 h7	4-6	+0.002	+0.006	-0.008	-0.010		+0.012	+0.020	-0.004	0		+0.004	+0.012	-0.012	-0.012	8, 10	+0.015	+0.024	-0.005	0		+0.006	+0.015	-0.014	-0.015
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Locating Pins

Straight, Spherical Tip / Tapped

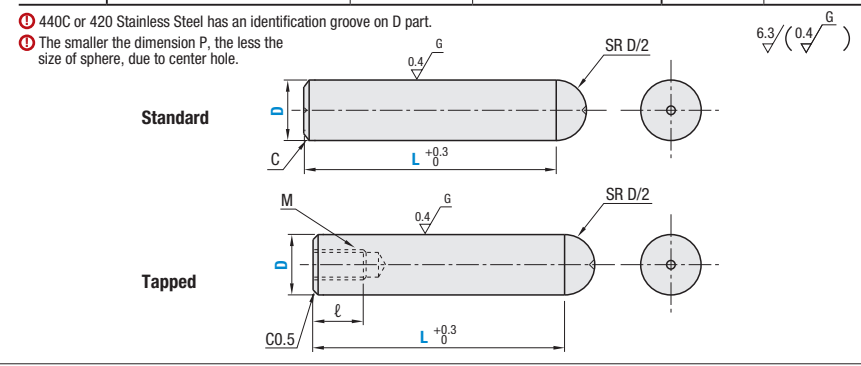
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Tolerance Selection

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	M	P	G	H
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Material No.	Material	Surface Treatment	Hardness	Type	
				Standard	Tapped
(1)	O1 Tool Steel Equivalent	—	60-63 HRC min.	LPSQA	LPSQTA
(2)	O1 Tool Steel Equivalent	Chrome Plating	50-55 HRC min. Plating Hardness 750 HV min.	GLPSQA	GLPSQTA
(3)	O1 Tool Steel Equivalent	—	—	BLPSQA	BLPSQTA
(4)	304 Stainless Steel Equivalent	—	—	SLPSQA	SLPSQTA
(5)	304 Stainless Steel Equivalent	Chrome Plating	Plating Hardness 750 HV min.	HLPSQA	HLPSQTA
(6)	440C or 420 Stainless Steel	—	50-55 HRC min.	CLPSQA	CLPSQTA

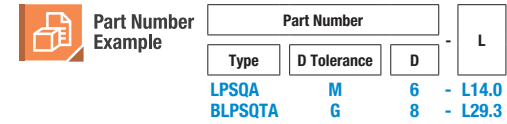


Standard

Type	Part Number	D Tolerance	D	L	E	A	C
				0.1 mm Increment			
LPSQA	M m6 P p6 G g6 H h7		1	3.0-10.0	0.5-10.0	15 30 45 60	0.1
GLPSQA			2	3.0-20.0			0.5
BLPSQA			3	3.0-25.0			1
SLPSQA			4	4.0-30.0			
HLPSSQA			5	5.0-40.0			1.5
CLPSQA			6	5.0-40.0			
			8				2
			10				

Tapped

Type	Part Number	D Tolerance	D	L	M	ℓ
				0.1 mm Increment	(Coarse)	
LPSQTA	M m6 P p6 G g6 H h7		5	10.0-30.0	M2	3
GLPSQTA			6	10.0-40.0	M3	5
BLPSQTA			8	15.0-40.0	M5	8
SLPSQTA			10		M5	8
HLPSSQTA						
CLPSQTA						



Alterations	Insertion Guide Machining	Air Vent	Dual Tolerance Machining																																							
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