

Locating Pins - Straight, Tapered

Press Fit / Tapped

For products uncovered by e-Catalog Standard, see P.131.

Features: The short lead time and economical price are achieved by narrowing down the tolerance and dimensions.

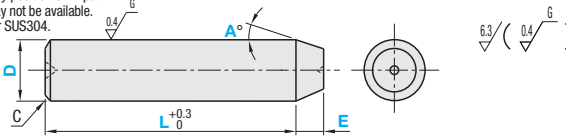


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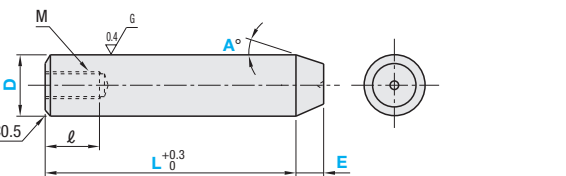
Material No.	Material	Surface Treatment	Hardness	Type	
				Press Fit	Tapped
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	LPSTA	LPSTTA
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50~55HRC Plating Hardness: 750HV~	GLPSTA	GLPSTTA
(3)	SKS3 Equivalent	-	-	BLPSTA	-
(4)	SUS304	-	-	SLPSTA	SLPSTTA
(5)	SUS304	Hard Chrome Plating	Plating Hardness: 750HV~	HLPSTA	HLPSTTA
(6)	SUS440C Equivalent	-	Treated Hardness: 50~55HRC	CLPSTA	-

⚠ SUS440C Equivalent has an identification groove at any position on D part.
⚠ On some combination of dimensions, the center hole may not be available.
⚠ Polished, centering hole is sometimes not available for SUS304.

• Press Fit



• Tapped



⚠ D-2EtanA≥0.73 (Tip Diameter Ø0.73 or more)
Reference: tan15°=0.267 tan30°=0.577 tan45°=1 tan60°=1.732

Part Number		L		E	A	C	Unit Price					
							(1)Treated SKS3	(2)Hard SKS3	(3)SKS3	(4)SUS304	(5)Hard SUS304	(6)SUS440C
Type	D Tol.	D	0.1mm Increment	0.1mm Increment	Selection		LPSTA	GLPSTA	BLPSTA	SLPSTA	HLPSTA	CLPSTA
LPSTA GLPSTA BLPSTA SLPSTA HLPSTA CLPSTA	M (m6) P (p6) G (g6) H (h7)	1	3.0~10.0	0.5~10.0	15 30 45 60	0.1						
		2	3.0~20.0			0.5						
		3	3.0~25.0			1						
		4	4.0~30.0									
		5	4.0~30.0									
		6	5.0~40.0									
		8	5.0~40.0			1.5						
		10	5.0~40.0			2						

Part Number		L		E	A	M (Coarse)	*Tightening Torque N·cm	ℓ	Unit Price			
									(1)Treated SKS3	(2)Hard SKS3	(4)SUS304	(5)Hard SUS304
Type	D Tol.	D	0.1mm Increment	0.1mm Increment	Selection				LPSTTA	GLPSTTA	SLPSTTA	HLPSTTA
LPSTTA GLPSTTA SLPSTTA HLPSTTA	M (m6) P (p6) G (g6) H (h7)	5	10.0~30.0	0.5~10.0	15 30 45 60	M2	-	3				
		6	10.0~40.0			M3	98	5				
		8	15.0~40.0			M5	461	8				
		10	15.0~40.0									

* The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P.2365.) Not applicable when using locking materials or lock washers.

Part Number		L		E		A	
Type	D Tol.	D					
LPSTA	M	6	L14.0	E2.5	A30		
GLPSTA	G	8	L29.3	E8.3	A15		

Part Number		L		E		A	
Type	D Tol.	D					
LPSTAP6			L18.5	E4.0	A45		

Alterations	Tapping	Insertion Guide	Air Vent	Dual Tolerance
Code	MH	GDC	AC	DKM/DKP/DKG/DKH
Spec.	Adds a tapped hole. (Ordering Code) MH	Adds the insertion guide. (Ordering Code) GDC	Adds an air vent. (Ordering Code) AC	Changes outer diameter tolerance only for the ℓ ₁ length part. (Ordering Code) DKM18 (This code is used only when changing the tolerance to m6 only in case of ℓ ₁ =18.)
	⚠ D-2EtanA≥M+2 ⚠ Applicable when D≥6 ⚠ L+E≥ℓ2+8 ⚠ Not applicable to Tapped.	⚠ Not applicable when D≤2	⚠ 2≤ℓ1<L ⚠ No relief groove.	⚠ 2≤ℓ1<L ⚠ No relief groove.

Locating Pins - Straight, Sphere

Press Fit / Tapped

For products uncovered by e-Catalog Standard, see P.131.

Features: The sphere head can prevent the mating side from being scratched. Selectable tolerance with each dimension configurable.

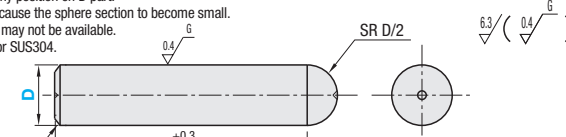


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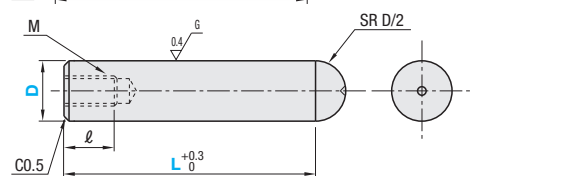
Material No.	Material	Surface Treatment	Hardness	Type	
				Press Fit	Tapped
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	LPSQA	LPSQTA
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50~55HRC Plating Hardness: 750HV~	GLPSQA	GLPSQTA
(3)	SKS3 Equivalent	-	-	BLPSQA	BLPSQTA
(4)	SUS304	-	-	SLPSQA	SLPSQTA
(5)	SUS304	Hard Chrome Plating	Plating Hardness: 750HV~	HLPSQA	HLPSQTA
(6)	SUS440C Equivalent	-	Treated Hardness: 50~55HRC	CLPSQA	CLPSQTA

⚠ SUS440C Equivalent has an identification groove at any position on D part.
⚠ When the D dimension is small, a centering hole will cause the sphere section to become small.
⚠ On some combination of dimensions, the center hole may not be available.
⚠ Polished, centering hole is sometimes not available for SUS304.

• Press Fit



• Tapped



Part Number		L		C	Unit Price					
					(1)Treated SKS3	(2)Hard SKS3	(3)SKS3	(4)SUS304	(5)Hard SUS304	(6)SUS440C
Type	D Tol.	D	0.1mm Increment		LPSQA	GLPSQA	BLPSQA	SLPSQA	HLPSQA	CLPSQA
LPSQA GLPSQA BLPSQA SLPSQA HLPSQA CLPSQA	M (m6) P (p6) G (g6) H (h7)	1	3.0~10.0	0.1						
		2	3.0~20.0	0.5						
		3	3.0~25.0	1						
		4	4.0~30.0							
		5	4.0~30.0							
		6	5.0~40.0							
		8	5.0~40.0	1.5						
		10	5.0~40.0	2						

Part Number		L		M (Coarse)	*Tightening Torque N·cm	ℓ	Unit Price					
							(1)Treated SKS3	(2)Hard SKS3	(3)SKS3	(4)SUS304	(5)Hard SUS304	(6)SUS440C
Type	D Tol.	D	0.1mm Increment				LPSQTA	GLPSQTA	BLPSQTA	SLPSQTA	HLPSQTA	CLPSQTA
LPSQTA GLPSQTA BLPSQTA SLPSQTA HLPSQTA CLPSQTA	M (m6) P (p6) G (g6) H (h7)	5	10.0~30.0	M2	-	3						
		6	10.0~40.0	M3	98	5						
		8	15.0~40.0	M5	461	8						
		10	15.0~40.0									

* The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P.2365.) Not applicable when using locking materials or lock washers.

Part Number		L	
Type	D Tol.	D	
LPSQA	M	6	L14.0
GLPSQA	G	8	L29.3

Part Number		L	
Type	D Tol.	D	
LPSQAP6			L18.5

Alterations	Insertion Guide	Air Vent	Dual Tolerance
Code	GDC	AC	DKM/DKP/DKG/DKH
Spec.	Adds the insertion guide. (Ordering Code) GDC	Adds an air vent. (Ordering Code) AC	Changes outer diameter tolerance only for the ℓ ₁ length part. (Ordering Code) DKM18 (This code is used only when changing the tolerance to m6 only in case of ℓ ₁ =18.)
	⚠ Not applicable when D≤2	⚠ 2≤ℓ1<L ⚠ No relief groove.	⚠ 2≤ℓ1<L ⚠ No relief groove.