

Locating Pins - High Hardness Stainless Steel, Sphere Small Head

Press Fit / Tapped

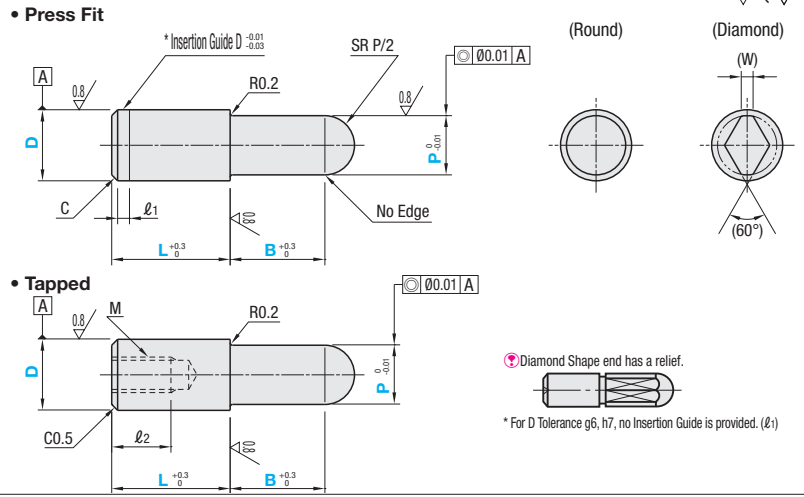
For products uncovered by e-Catalog Standard, see P.131.

Features: New Small Sphere Head Type has been added to the High Hardness Stainless Steel Locating Pin product line-up and is priced much lower than the existing products. For orders of up to 1,000 pcs., 7th Day Shipping is available. (For details, see P.1617.)



Material	Hardness	Pin Shape	Press Fit				Tapped	
			m6	p6	g6	h7	g6	h7
High Hardness Stainless Steel	35HRC~	Round	AQSA	AQSPA	AQSGA	AQSHA	AQSTA	AQSTHA
		Diamond	AQSD	AQSPD	AQSGD	AQSHD	AQSTD	AQSTHD

When the dia. exceeds Ø10, the center hardness may become 30HRC~.



Tolerance

D or P	m6	p6	g6	h7
1.00 3.00	+0.008 +0.002	+0.012 +0.006	-0.002 -0.008	0 -0.010
3.01 6.00	+0.012 +0.004	+0.020 +0.012	-0.004 -0.012	0 -0.012
6.01 10.00	+0.015 +0.006	+0.024 +0.015	-0.005 -0.014	0 -0.015
10.01 16.00	+0.018 +0.007	+0.029 +0.018	-0.006 -0.017	0 -0.018

Press Fit

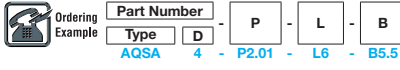
Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	l1	(W)	Unit Price Round Shape	Unit Price Diamond Shape
<Round> AQSA (m6) AQSPA (p6) AQSGA (g6) AQSHA (h7)	3	1.00(2.00)~3.00	3(4)~10	2.0~10.0	0.5	1	1.0		
	4	2.00~4.00					1.2		
	5	2.00~5.00					1.5		
	6	2.00~6.00	1.8						
	8	2.00(3.00)~8.00	2.2						
	10	6.00~10.00	2.5						
<Diamond> AQSD (m6) AQSPD (p6) AQSGD (g6) AQSHD (h7)	12	6.00~12.00	4(5)~20	2.0~20.0	2	2.5			
	16	6.00~16.00				4.0			

P, L dimensions in () are applicable to Diamond Shape. When L=3, C=0.5 and l1=1.

Tapped

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	M (Coarse)	* Tightening Torque N·cm	l1	(W)	Unit Price Round Shape	Unit Price Diamond Shape
<Round> AQSTA (g6) AQSTHA (h7)	6	4.00~6.00	8(9)~12	2.0~12.0	M3	147	5	1.5		
	8	6.00~8.00	11(12)~16	2.0~15.0	M4	333	6	1.8		
	10	7.00~10.00	11(12)~20	3.0~20.0	M5	676	8	2.2		
	12	7.00~12.00						2.5		
<Diamond> AQSTD (g6) AQSTHD (h7)	16	8.00~16.00		5.0~20.0	M6	1156	9	4.0		

L dimension in () is applicable to Diamond Shape. Note the strength of under-head part. P.1618. Please confirm pilot hole depth on P.1618. Holes may go through. Tightening torque (reference) is of Tightening Torque Strength Class (10.9) indicated on Technical Data P.2365. Not applicable when using locking materials or lock washers.



Alterations Code	Air Vent AC	Wrench Hole LAC	P Dimension Tolerance PM/PP/PG/PH
Spec.	Adds an air vent. (Ordering Code) AC D=0.15 D=P (Round)	Machines wrench holes. (Ordering Code) LAC Diamond Shape Hole is drilled on the diamond head vertically but with arbitrary orientation of its diamond surfaces against those of the diamond head. Applicable when D≥8. Applicable to Tapped Type only.	Changes the P dim. tolerance. (Ordering Code) PM 3 Days Volume discount rate is applicable.

Locating Pins - High Hardness Stainless Steel, Small Flat Head

Press Fit / Tapped

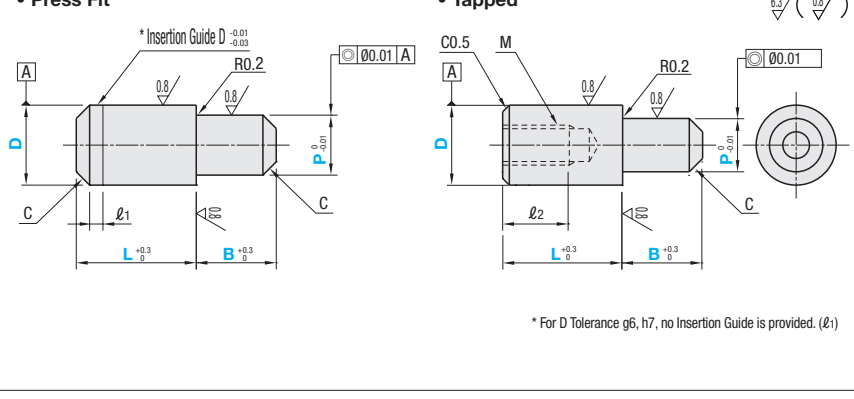
For products uncovered by e-Catalog Standard, see P.131.

Features: New Small Flat Head Type has been added to the High Hardness Stainless Steel Locating Pin product line-up and is priced much lower than the existing products. For orders of up to 1,000 pcs., 7th Day Shipping is available. (For details, see P.1617.)



Material	Hardness	Pin Shape	Press Fit				Tapped	
			m6	p6	g6	h7	g6	h7
High Hardness Stainless Steel	35HRC~	Round	ADSC	ADSPC	ADSGC	ADSHC	ADSTC	ADSTHC
		Diamond	ADSD	ADSPD	ADSGD	ADSHD	ADSTD	ADSTHD

When the dia. exceeds Ø10, the center hardness may become 30HRC~.



Tolerance

D or P	m6	p6	g6	h7
1.00 3.00	+0.008 +0.002	+0.012 +0.006	-0.002 -0.008	0 -0.010
3.01 6.00	+0.012 +0.004	+0.020 +0.012	-0.004 -0.012	0 -0.012
6.01 10.00	+0.015 +0.006	+0.024 +0.015	-0.005 -0.014	0 -0.015
10.01 16.00	+0.018 +0.007	+0.029 +0.018	-0.006 -0.017	0 -0.018

* For D Tolerance g6, h7, no Insertion Guide is provided. (l1)

Press Fit

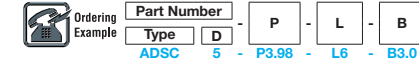
Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	l1	Unit Price	
ADSC (m6) ADSPC (p6) ADSGC (g6) ADSHC (h7)	3	1.00~3.00	3~10	2.0~10.0	0.1	1		
	4	2.00~4.00						
	5	2.00~5.00						
	6	2.00~6.00	4~20	2.0~12.0	0.5			
	8	2.00~8.00					2.0~15.0	
	10	6.00~10.00						
12	6.00~12.00							
16	6.00~16.00				2			

When L=3, C=0.5 and l1=1.

Tapped

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	M (Coarse)	* Tightening Torque N·cm	C	l2	Unit Price
ADSTC (g6) ADSTHC (h7)	6	4.00~6.00	8~12	2.0~12.0	M3	147	1	5	
	8	6.00~8.00	11~16	2.0~15.0	M4	333		6	
	10	7.00~10.00	11~20	3.0~20.0	M5	676		8	
	12	7.00~12.00						9	
	16	8.00~16.00		5.0~20.0	M6	1156			

Note the strength of under-head part. P.1618. Please confirm pilot hole depth on P.1618. Holes may go through. Tightening torque (reference) is of Tightening Torque Strength Class (10.9) indicated on Technical Data P.2365. Not applicable when using locking materials or lock washers.



Alterations Code	Air Vent AC	C Chamfered Size CN	Hex Socket Machining RAC	Wrench Hole LAC	P Dimension Tolerance PM/PP/PG/PH
Spec.	Adds an air vent. (Ordering Code) AC D=0.15 D=P (Round)	Changes C Chamfering at P dimension part to 0.5 or less. (Ordering Code) CN C0.5 or Less	Machines hex sockets. (Ordering Code) RAC S+3≤P-2 Applicable Dimension Hex Hole Dimensions D Applicable Dimension Hex Hole Dimensions 8 4.0~ 3 2 10 4.0~ 3 2 12 5.0~ 4 2.5 16 7.0~ 4 2.5 Combination with LAC is not available.	Machines wrench holes. (Ordering Code) LAC Applicable when D≥8. Applicable to Tapped Type only. Applicable Dimension Wrench Hole Dims. P B Q -9.99 5.0~ 9.9 2 10.0~20.0 2.5 5.0~ 7.9 2 10.00~ 8.0~11.9 2.5 12.0~20.0 3.5 Combination with RAC is not available.	Changes the P dim. tolerance. (Ordering Code) PM Ordering Code Tolerance PM m6 PP p6 PG g6 PH h7 3 Days Volume discount rate is applicable.