

Locating Pins - High Hardness Stainless Steel Sphere Large Head

Press Fit / Tapped / Threaded

Locating Pins - High Hardness Stainless Steel Sphere Large Head

D and P Selectable Tolerance

■ **Features:** Sphere Large Head with each dimension configurable. We reduced the price drastically compared to the conventional products.

RoHS

Material	Hardness	Pin Shape	Press Fit		Tapped	Threaded
			m6	p6	g6	g6
High Hardness Stainless Steel	35HRC~	Round	AFPQA	AFPQA	AFPQA	AFPQA
		Diamond	AFPQD	AFPQD	AFPQD	AFPQD

• **Press Fit**
* Insertion Guide D $\frac{-0.01}{-0.02}$

• **Threaded**
* Insertion Guide D $\frac{-0.01}{-0.02}$

• **Tapped**
* Insertion Guide D $\frac{-0.01}{-0.02}$

■ **Press Fit**

Type	Part Number		D Tol.	P	L	B	C	l1	(W)	Unit Price Round Shape	Unit Price Diamond Shape
	D	D Tol.									
<Round> AFPQA (m6) AFPQPA (p6)	2		+0.008	2.50~8.00	3(4)~16	1.0~15.0	0.5	0	1.2	AFPQA AFPQPA	AFPQD AFPQPD
	3		+0.002	3.50~8.00							
	4		+0.012	4.50~8.00							
	5		+0.004	5.50~8.00							
<Diamond> AFPQA (m6) AFPQPD (p6)	6		+0.020	6.50~10.00	4(5)~16	1	1	1.8	2.2	AFPQA AFPQPD	AFPQD AFPQPD
	7		+0.015	7.50~10.00							
	8		+0.015	8.50~10.00							

Ⓛ dimension in () is applicable to Diamond Shape. * Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data #P2297 (10.9). Not applicable when using locking materials or lock washers.

■ **Tapped**

Type	Part Number		D dim. Tolerance g6	P	L	B	M (Coarse)	* Recommended Tightening Torque N-cm	l2	(W)	Unit Price Round Shape	Unit Price Diamond Shape
	D	D Tol.										
AFPQTA (Round) AFPQTD (Diamond)	6		-0.004 -0.012	6.50~10.00	6(9)~16	2.0~15.0	M3	147	5	3	AFPQTA	AFPQTD
	8		-0.005 -0.014	8.50~10.00	8(12)~16		M4	333	8	3.5		

Ⓛ dimension in () is applicable to Diamond Shape. * Note the strength of under-head part #P1566. Please confirm pilot hole depth on #P1566. Holes may go through. * 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.

■ **Threaded**

Type	Part Number		D dim. Tolerance g6	P	L	B	M (Coarse)	* Recommended Tightening Torque N-cm	ML	(W)	Unit Price Round Shape	Unit Price Diamond Shape
	D	D Tol.										
AFPQTA (Round) AFPQND (Diamond)	3		-0.002 -0.008	3.50~8.00	3~10	1.0~15.0(10.0)	M3	147	4.5	1.5	AFPQNA	AFPQND
	4		-0.004	4.50~8.00								
	5		-0.012	5.50~8.00								
	6		-0.012	6.50~10.00								
	8		-0.005 -0.014	8.50~10.00	4~10	1.0~15.0	M8	2803	12	3.5		

ⓁB dimension in () is applicable to Diamond Shape. * When L=3, C=0.5, l1=1. * 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.

Ordering Example

Part Number: Type D - P - L - B

Press Fit AFPQA 4 - P5.00 - L5 - B2.5

Tapped AFPQTA 6 - P10.00 - L10 - B5.0

Threaded AFPQNA 8 - P10.00 - L8 - B7.5

Alteration Code: Wrench Hole Machining LAC

Spec. Machines wrench holes. Ordering Code LAC

Orientation between Diamond Shape Head and Wrench Hole is arbitrary.

D	Applicable Dimensions	Wrench Hole Dimensions
6	B	P 0
8	5.0~	6.50~10.00 2

Alterations AFPQTA6 - P10.00 - L10 - B5 - LAC

■ **Features:** Stainless Steel Sphere Large Head excellent in corrosion resistance and hardness. Selectable tolerance on both ends.

RoHS

Material	Hardness	Pin Shape	Press Fit	Tapped	Threaded
			Round	AKFQA	AKFQA
High Hardness Stainless Steel	35HRC~	Round	AKFQA	AKFQA	AKFQNA
		Diamond	AKFQD	AKFQD	AKFQND

• **Press Fit**
* Insertion Guide D $\frac{-0.01}{-0.02}$

• **Threaded**
* Insertion Guide D $\frac{-0.01}{-0.02}$

• **Tapped**
* Insertion Guide D $\frac{-0.01}{-0.02}$

■ **Press Fit**

Type	Part Number		D Tol. Selection	P Tolerance Selection	D	P	L	B	C	(W)	l1	Unit Price Round Shape	Unit Price Diamond Shape			
	D Tol. Selection	P Tolerance Selection														
AKFQA (Round) AKFQD (Diamond)	M P G H	S M P G H	D	D	2	2.50~8.00	3(4)~16	1.0~15.0	0.5	1.2	0	AKFQA	AKFQD			
														3	3.50~8.00	
														4	4.50~8.00	
														5	5.50~8.00	
		S M P G H	D	D	6	6.50~10.00	4(5)~16	1	1	1.8	2.2	3	AKFQA	AKFQD		
															7	7.50~10.00
															8	8.50~10.00

Ⓛ dimension in () is applicable to Diamond Shape. * Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data #P2297 (10.9). Not applicable when using locking materials or lock washers.

■ **Tapped**

Type	Part Number		D dim. Tolerance g6	P	L	B	M (Coarse)	* Recommended Tightening Torque N-cm	l2	(W)	Unit Price Round Shape	Unit Price Diamond Shape						
	D	D Tol.																
AKFQTA (Round) AKFQTD (Diamond)	M P G H	S M P G H	D	6	6.50~10.00	6(9)~16	2.0~15.0	147	5	3	AKFQTA	AKFQTD						
													8	8.50~10.00	8(12)~16	2.0~15.0	333	8

Ⓛ dimension in () is applicable to Diamond Shape. * Note the strength of under-head part #P1566. Please confirm pilot hole depth on #P1566. Holes may go through. * 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.

■ **Threaded**

Type	Part Number		D dim. Tolerance g6	P	L	B	M (Coarse)	* Recommended Tightening Torque N-cm	ML	(W)	Unit Price Round Shape	Unit Price Diamond Shape			
	D Tol. Selection	P Tolerance Selection													
AKFQNA (Round) AKFQND (Diamond)	M P G H	S M P G H	D	3	3.50~8.00	3~10	1.5	147	4.5	1.5	AKFQNA	AKFQND			
													4	4.50~8.00	
													5	5.50~8.00	
													6	6.50~10.00	
		S M P G H	D	6	8.50~10.00	4~10	3.5	8	2803	12	3.5	AKFQNA	AKFQND		
														7	7.50~10.00
														8	8.50~10.00

ⓁB dimension in () is applicable to Diamond Shape. * When L=3, C=0.5, l1=1. * Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data #P2297 (10.9). Not applicable when using locking materials or lock washers.

Ordering Example

Part Number: Type D Tol. P Tolerance Selection D - P - L - B

AKFQA M S 6 - P8.00 - L8 - B6.0

Alterations Code: Air Vent AC

Spec. Adds an air vent. Ordering Code AC

Not applicable to Threaded. It has a relief groove.

Alterations AKFQAMS6 - P8.0 - L8 - B6.0 - AC