



Locating Pins - Hardened Stainless Steel Sphere Large Head

Press Fit / Tapped / Threaded

■ **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
Hardened Stainless Steel	35HRC~	Round	AFPQA	AFPQA	AFPQA	AFPQA
		Diamond	AFPQD	AFPQD	AFPQD	AFPQD

■ **Press Fit**

Type	Part Number		D Tol.	P	L	B	C	l1	(W)	Unit Price	Unit Price
	D	Type								Round Shape	Diamond Shape
<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
	3		+0.002	3.50-8.00						AFPQA	AFPQPA
	4		+0.012	4.50-8.00						AFPQA	AFPQPA
	5		+0.004	5.50-8.00						AFPQA	AFPQPA
<Diamond> AFPQA (m6) AFPQPD (p6)	6		+0.020	6.50-10.00	4(5)-16		1	1	3	AFPQA	AFPQPD
	7		+0.015	7.50-10.00						AFPQA	AFPQPD
	8		+0.015	8.50-10.00						AFPQA	AFPQPD

Ⓢ L dimension in () is applicable to Diamond Shape. Ⓢ 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.

■ **Tapped**

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

Ⓢ Please confirm pilot hole depth on #P.1566. Holes may go through. Ⓢ L dimension in () is applicable to Diamond Shape. Ⓢ Note the strength of under-head part #P.1566. Ⓢ 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 Tol.	P	L	B	M	* Recommended Tightening Torque N-cm	ML	(W)	Unit Price	Unit Price
	D	Type									Round Shape	Diamond Shape
AFPQTA (Round) AFPQND (Diamond)	3		-0.002	3.50-8.00	3-10	1.0-15.0(10.0)	M3	147	4.5	1.5	AFPQTA	AFPQND
	4		-0.004	4.50-8.00							AFPQTA	AFPQND
	5		-0.004	5.50-8.00							AFPQTA	AFPQND
	6		-0.012	6.50-10.00							AFPQTA	AFPQND
	8		-0.005	8.50-10.00	4-10	1.0-15.0	M8	2803	12	3.5	AFPQTA	AFPQND

Ⓢ PLB 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

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

Alterations: Part Number - P - L - B - (LAC)

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

[Configure Online](#)

Alteration Code: Wrench Hole 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



Locating Pins - Hardened Stainless Steel Sphere Large Head

D and P Selectable Tolerance

■ **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
Hardened Stainless Steel	35HRC~	Round	AKFQA	AKFQA	AKFQA
		Diamond	AKFQD	AKFQD	AKFQD

■ **Press Fit**

Type	Part Number		D Tol.	P	L	B	C	(W)	l1	Unit Price	Unit Price			
	D Tol. Selection	P Tolerance Selection								Round Shape	Diamond Shape			
AKFQA (Round) AKFQD (Diamond)	M P G H	S M P G H	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	AKFQA	AKFQD
											4	4.50-8.00	AKFQA	AKFQD
											5	5.50-8.00	AKFQA	AKFQD
											6	6.50-10.00	AKFQA	AKFQD
											8	8.50-10.00	AKFQA	AKFQD

Ⓢ L dimension in () is applicable to Diamond Shape. Ⓢ 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.

■ **Tapped**

Type	Part Number		D Tol.	P	L	B	M	* Recommended Tightening Torque N-cm	l2	(W)	Unit Price	Unit Price						
	D Tol. Selection	P Tolerance Selection									Round Shape	Diamond Shape						
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	AKFQTA	AKFQTD

Ⓢ L dimension in () is applicable to Diamond Shape. Ⓢ Note the strength of under-head part #P.1566. Ⓢ Please confirm pilot hole depth on #P.1566. 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 Tol.	P	L	B	M	* Recommended Tightening Torque N-cm	ML	(W)	Unit Price	Unit Price		
	D Tol. Selection	P Tolerance Selection									Round Shape	Diamond Shape		
AKFQNA (Round) AKFQND (Diamond)	M P G H	S M P G H	D	3	3.50-8.00	3-10	1.0-15.0(10.0)	147	4.5	1.5	AKFQNA	AKFQND		
											4	4.50-8.00	AKFQNA	AKFQND
											5	5.50-8.00	AKFQNA	AKFQND
											6	6.50-10.00	AKFQNA	AKFQND
											8	8.50-10.00	AKFQNA	AKFQND

Ⓢ PLB 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 Tol. | P Tolerance | D - P - L - B

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

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

Alterations: Part Number - P - L - B - (AC)

Alterations: AKFQAM6 - P8.0 - L8 - B6.0 - AC

[Configure Online](#)

Alterations Code: Air Vent AC

Spec. Adds an air vent. Ordering Code AC

Ⓢ Not applicable to Threaded. Ⓢ It has a relief groove.