



Locating Pins - Hardened Stainless Steel Large Head, Tapered

Press Fit / Tapped / Threaded

Features: Large Head Tapered 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	AFPBA	AFPBA	AFPBA	AFPNA
		Diamond	AFPBD	AFPBD	AFPBD	AFPND

Press Fit

Type	D	d dim. Tolerance		P	L	B	C	m	ℓ1	(W)	Unit Price Round Shape	Unit Price Diamond Shape
		m6	p6									
<Round>	2	+0.008	+0.012	2.50- 8.00	3(4)-16	1.0-15.0	0.5	0.5	0	1.2	AFPBA	AFPBD
AFPBA (m6)	3	+0.002	+0.006	3.50- 8.00								
AFPBA (p6)	4	+0.004	+0.008	4.50- 8.00	3	1.0-15.0	1	2	1	2.2	AFPBA	AFPBD
<Diamond>	5	+0.012	+0.02	5.50- 8.00								
AFPBD (m6)	6	+0.004	+0.012	6.50-10.00	4(5)-16	1.0-15.0	1.5	3	3	3.5	AFPBD	AFPBD
AFPBD (p6)	8	+0.015	+0.024	8.50-10.00								

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

Tapped

Type	D	D dim. Tolerance g6	P	L	B	m	(W)	M	*Recommended Tightening Torque N-cm	ℓ2	Unit Price Round Shape	Unit Price Diamond Shape
AFPBT (Round)	6	-0.004	6.50-10.00	6(9)-16	1.0-15.0	3	3	3	147	5	AFPBT	AFPBD
AFPBD (Diamond)	8	-0.005	8.50-10.00	8(12)-16	1.0-15.0	3	3.5	4	333	6	AFPBD	AFPBD

Ⓛ 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	D	D dim. Tolerance g6	P	L	B	ML	M	*Recommended Tightening Torque N-cm	m	(W)	Unit Price Round Shape	Unit Price Diamond Shape
AFPNA (Round)	3	-0.002	3.50- 8.00	3-10	1.0-15.0	4.5	3	147	0.5	1.5	AFPNA	AFPND
AFPNA (Round)	4	-0.004	4.50- 8.00									
AFPND (Diamond)	5	-0.012	5.50- 8.00	4-10	1.0-15.0	7.5	5	676	2	2.2	AFPNA	AFPND
AFPND (Diamond)	6	-0.012	6.50-10.00									
	8	-0.005	8.50-10.00			12	8	2803	3	3.5		

*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: **P** - **L** - **B** - **E** - **A**

Example: AFPBA 8 - P9.02 - L10 - B3.2

Alterations

Part Number: **P** - **L** - **B** - **E** - **A** - (MH, NTK, LAC)

Example: AFPBP8 - P9.05 - L12 - B6.4 - MH

[Configure Online](#)

Alterations	Tapping	Tapping for Removal	Wrench Hole																												
Code	MH	NTK	LAC																												
Spec.	<p>Adds a tapped hole.</p> <p>Ⓛ2</p> <ul style="list-style-type: none"> Applicable when D≥6 B=ℓ2+4 Applicable to Press Fit only. Combination with NTK is not available. <table border="1"> <tr><th>D</th><th>MH (Coarse)</th><th>ℓ2</th></tr> <tr><td>6</td><td>M3</td><td>4</td></tr> <tr><td>8</td><td>M4</td><td>6</td></tr> </table>	D	MH (Coarse)	ℓ2	6	M3	4	8	M4	6	<p>Removes a removal tap hole.</p> <p>Ⓛ2</p> <ul style="list-style-type: none"> Effective tap length of D depends on B dimension specifiable range. When L+B=m-M3, the tapped holes go through. When L+B=m-M4, the pilot holes for tapping may go through. Applicable only when D=6. Combination with MH is not available. <table border="1"> <tr><th>D</th><th>M (Coarse)</th><th>B</th></tr> <tr><td>6</td><td>3</td><td>1.0-4.5</td></tr> <tr><td>8</td><td>4</td><td>1.0-5.9</td></tr> </table>	D	M (Coarse)	B	6	3	1.0-4.5	8	4	1.0-5.9	<p>Machines wrench holes.</p> <p>Ⓛ2</p> <ul style="list-style-type: none"> Orientation between Diamond Shape Head and Wrench Hole is arbitrary. <table border="1"> <tr><th>D</th><th>Applicable Dimensions</th></tr> <tr><td>6</td><td>B</td></tr> <tr><td>8</td><td>5.0~</td></tr> </table> <p>Wrench Hole Dimensions</p> <table border="1"> <tr><th>P</th><th>Q</th></tr> <tr><td>6.50-10.00</td><td>2</td></tr> </table>	D	Applicable Dimensions	6	B	8	5.0~	P	Q	6.50-10.00	2
D	MH (Coarse)	ℓ2																													
6	M3	4																													
8	M4	6																													
D	M (Coarse)	B																													
6	3	1.0-4.5																													
8	4	1.0-5.9																													
D	Applicable Dimensions																														
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6.50-10.00	2																														



Locating Pins - Hardened Stainless Steel Large Head, Tapered

Configurable Taper Angle, D and P Selectable Tolerance

Features: Stainless Steel Large Head Tapered excellent in corrosion resistance and hardness. Selectable tolerance on both ends and tapered dimensions.

RoHS

Material	Hardness	Pin Shape	Press Fit	Tapped	Threaded
			AKFA	AKFTA	AKFNA
Hardened Stainless Steel	35HRC~	Round	AKFA	AKFTA	AKFNA
		Diamond	AKFD	AKFTD	AKFND

Press Fit

Type	D	D dim. Tolerance	P	L	B	E	A	C	(W)	ℓ1	Unit Price Round Shape	Unit Price Diamond Shape
AKFA (Round)	2	+0.008	+0.012	2.50- 8.00	3(4)-16	1.0-10.0	0.5-5.0	15	30	45	60	AKFA
AKFA (Round)	3	+0.002	+0.006	3.50- 8.00								
AKFD (Diamond)	4	+0.012	+0.02	4.50- 8.00	4(5)-16	1.0-10.0	0.5-5.0	1	1.8	2.2	3	AKFD
AKFD (Diamond)	5	+0.004	+0.012	5.50- 8.00								
	6	+0.015	+0.024	6.50-10.00				1.5	3	3.5		

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

Tapped

Type	D	D dim. Tolerance g6	P	L	B	E	A	(W)	M	*Recommended Tightening Torque N-cm	ℓ2	Unit Price Round Shape	Unit Price Diamond Shape
AKFTA (Round)	6	-0.004	6.50-10.00	6(9)-16	1.0-10.0	0.5-5.0	15	3	M3	147	5	AKFTA	AKFTD
AKFTD (Diamond)	8	-0.005	8.50-10.00	8(12)-16	1.0-10.0	0.5-5.0	45	3.5	M4	333	6	AKFTA	AKFTD

Ⓛ 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	D	D dim. Tolerance g6	P	L	B	E	A	M	*Recommended Tightening Torque N-cm	(W)	Unit Price Round Shape	Unit Price Diamond Shape
AKFNA (Round)	3	-0.002	3.50- 8.00	3-10	1.0-10.0	0.5-5.0	15	M3	147	1.5	AKFNA	AKFND
AKFNA (Round)	4	-0.004	4.50- 8.00									
AKFND (Diamond)	5	-0.012	5.50- 8.00	4-10	1.0-10.0	0.5-5.0	45	M5	676	2.2	AKFNA	AKFND
AKFND (Diamond)	6	-0.012	6.50-10.00									
	8	-0.005	8.50-10.00				60	M6	1156	3		

*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: **P** - **L** - **B** - **E** - **A**

Example: AKFAM6 - P10.00 - L6 - B3.0 - E5.0 - A30

Alterations

Part Number: **P** - **L** - **B** - **E** - **A** - (MH, AC)

Example: AKFAM6 - P10.00 - L6 - B3.0 - E5.0 - A30 - MH

[Configure Online](#)

Alterations	Tapping	Air Vent									
Code	MH	AC									
Spec.	<p>Adds a tapped hole.</p> <p>Ⓛ2</p> <ul style="list-style-type: none"> Applicable when D≥6 B=ℓ2+4 Applicable to Press Fit only. <table border="1"> <tr><th>D</th><th>MH (Coarse)</th><th>ℓ2</th></tr> <tr><td>6</td><td>M3</td><td>4</td></tr> <tr><td>8</td><td>M4</td><td>6</td></tr> </table>	D	MH (Coarse)	ℓ2	6	M3	4	8	M4	6	<p>Adds an air vent.</p> <p>D-0.15</p> <ul style="list-style-type: none"> Not applicable to Threaded. It has a relief groove.
D	MH (Coarse)	ℓ2									
6	M3	4									
8	M4	6									