

Locating Pins - High Hardness Stainless Steel, Large Flat Head

Press Fit / Tapped / Threaded

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

Features: For High Hardness Stainless Steel - Large Flat Head Type, the configurable range of dimensions has been further widened. For order of up to 1,000 pcs., the 7th Day Shipping is available. (For details, see P.1617.)

Material	Hardness	Press Fit			Tapped		Threaded		
		m6	p6	g6	h7	g6	h7	g6	h7
High Hardness Stainless Steel	35HRC~	AFPDC	AFDPDC	AFDGC	AFDHC	AFDTC	AFDHTC	AFPNA	AFPNA

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

Press Fit

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

Tapped

Threaded

When B > 20mm, the P dim. tolerance is 0-0.02. For D Tolerance g6, h7, no Insertion Guide is provided. (Ø1)

Press Fit

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	Ø1	C	Unit Price
AFPDC (m6) AFDPDC (p6) AFDGC (g6) AFDHC (h7)	2	2.50-8.00	3-16	2.0-20.0	0	0.5	
	3	3.50-8.00					
	4	4.50-8.00					
	5	5.50-8.00	2.0-30.0				
	6	6.50-16.00					
	8	8.50-16.00					
10	10.50-16.00	5-25					
12	12.50-17.50						

When L=3, C=0.5, Ø1=1.

Tapped

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	M1 (Coarse)	* Recommended Tightening Torque N·cm	Ø2	C	Unit Price
AFDTC (g6) AFDHTC (h7)	6	6.50-16.00	6-16	2.0-30.0	M3	147	5	1	
	8	8.50-16.00	8-16		M4	333	6		
	10	10.50-16.00	10-20		M5	676	8		
	12	12.50-17.50	12-25						

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.

Threaded

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	C	M2 (Coarse)	* Tightening Torque N·cm	Unit Price
AFPNA (g6) AFPNA (h7)	3	3.50-8.00	0-10	2.0-30.0	0.5	M3	147	
	4	4.50-8.00				M4	333	
	5	5.50-8.00				M5	676	
	6	6.50-12.00				M6	1156	
	8	8.50-15.00				M8	2803	
	10	10.50-16.00				M10	5557	
12	12.50-17.50	M12	9702					

When L < Pitch x 2, the incomplete threaded portion (Pitch x 2) is included in M2x1.5. For Coarse Thread Pitch Dims., see P.2360. For full thread, specify L = 0 and alteration NNC. 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.

Ordering Example

Part Number: AFPDC 8 - P9.25 - L15 - B8.6

Alterations

Part Number: AFPFNAB 8 - P9.98 - L9 - B5.0 - CN

Alteration Code	C Chamfered Size	Hex Socket Machining	Wrench Hole	Relief	P Dimension Tolerance
AC	Changes C Chamfering at P dimension part to 0.5 or less. Not applicable to D dimension part.	Machines hex sockets. RAC	Machines wrench holes. LAC	Adds a relief at the thread end. NNC	PM/PP/PG/PH

Locating Pins - High Hardness Stainless Steel, R / Taper R

Press Fit / Tapped / Threaded

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

Features: R and Taper R Types have been newly added to the High Hardness Stainless Steel Locating Pin product line-up. For order of up to 1,000 pcs., the 7th Day Shipping is available. (For details, see P.1617.)

Material	Hardness	Pin Shape	Press Fit			Tapped		Threaded		
			m6	p6	g6	h7	g6	h7	g6	h7
High Hardness Stainless Steel	35HRC~	Round	APE	APPE	APGE	APHE	APG	APHG	APA	APHA
		Diamond	APDE	APDPE	APDGE	APDHE	APDG	APDHG	APDA	APDA

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

Tip Shape A (R)

Press Fit

Tapped

Threaded

Tip Shape C (Taper R)

Press Fit

Tapped

Threaded

When B > 20mm, the P dim. tolerance is 0-0.02. For D Tolerance g6, h7, no Insertion Guide is provided. (Ø1)

Press Fit

Part Number Type	Tip Shape	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	R 1mm Increment	C	Ø1	(W)	Unit Price Round Shape	Unit Price Diamond Shape
<Round> APG (m6) APPE (p6) APGE (g6) APHE (h7)	A	2	2.50-8.00	3(4)-16	1.0-20.0	Shape A RsP/2	0.5	0	1.2		
		3	3.50-8.00								
		4	4.50-8.00								
		5	5.50-8.00								
		6	6.50-12.00								
		8	8.50-15.00								
	C	10	10.50-16.00	4(5)-16	1.0-40.0(20.0)	Shape C RsP/2	1	1	1.5		
		12	12.50-17.50								

When L=3, C=0.5, Ø1=1.

Tapped

Part Number Type	Tip Shape	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	R 1mm Increment	M1 (Coarse)	* Tightening Torque N·cm	(W)	Unit Price Round Shape	Unit Price Diamond Shape
<Round> APG (g6) APHG (h7)	A	6	6.50-12.00	6(9)-16	1.0-40.0(20.0)	Shape A RsP/2 Shape C RsP/2	M3	147	3		
		8	8.50-15.00	8(12)-16			M4	333	3.5		
		10	10.50-16.00	10(13)-20			M5	676	4		
	C	12	12.50-17.50	12(15)-20			M5	676	5		

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.

Threaded

Part Number Type	Tip Shape	D	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	R 1mm Increment	M2 (Coarse)	* Tightening Torque N·cm	(W)	Unit Price Round Shape	Unit Price Diamond Shape
<Round> APA (g6) APHA (h7)	A	3	3.50-8.00	0-10	1.0-20.0	Shape A RsP/2 Shape C RsP/2	M3	147	1.5		
		4	4.50-8.00				M4	333	1.8		
		5	5.50-8.00				M5	676	2.2		
	C	6	6.50-12.00				M6	1156	3		
		8	8.50-15.00				M8	2803	3.5		
		10	10.50-16.00				M10	5557	4		
12	12.50-17.50	M12	9702	5							

B dimension in () is applicable to Diamond Shape. When L < Pitch x 2, the incomplete threaded portion (Pitch x 2) is included in M2x1.5. For Coarse Thread Pitch Dims., see P.2360. For full thread, specify L = 0 and alteration NNC. 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.

Ordering Example

Part Number: APDTC 6 - P10.00 - L5 - B12.0 - R6

Alterations

Part Number: APDAC8 - P12.00 - L5 - B10.0 - R6 - MC6

Alterations Code	Wrench Flats	Wrench Hole Machining	Screwdriver Slot	Thread Dia.	Relief
SC	Changes the P dim. tolerance. PM	Machines wrench holes. LAC	Changes the thread diameter. MC	Adds a relief at the thread end. NNC	