

ANGULAR PINS

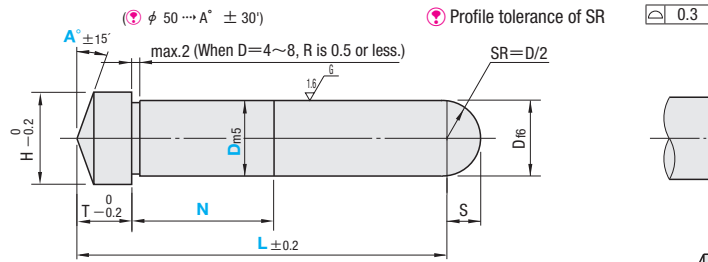
ⓘ Non JIS material definition is listed on P.1351 - 1352

RoHS



D	M	H
4~8	SKD11	60~63HRC
10~50	SUU2	58HRC~ (Induction hardening)

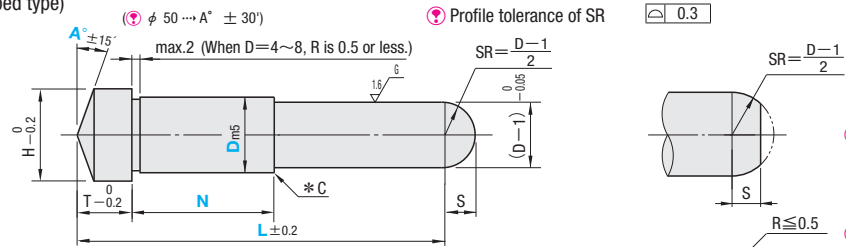
AP



When D=25 or more, the pin tip becomes as shown in the drawing on the left.
When D=4~8, R is 0.5 or less.

ⓘ Machining may leave a chuck keyhole on one end of the pin in case of D=20 or 25. Dimensions of the pins with chuck keyholes are values prior to machining of the holes. In case of D=30 or more, the both ends may have chuck keyholes.

APS (Stepped type)



When D=25 or more, the pin tip becomes as shown in the drawing on the left.
When D=4~8, R is 0.5 or less.

*For D4~25, C-chamfering is performed on the edges of the steps. (Recess of C-chamfering for assembling: about C0.3)
ⓘ Machining may leave a chuck keyhole on one end of the pin in case of D=20 or 25. Dimensions of the pins with chuck keyholes are values prior to machining of the holes. In case of D=30 or more, the both ends may have chuck keyholes.



Order

Part Number	L	N	A
AP25	200.0	N30.0	A15
APS25	200.0	N30.0	A15



Price

Quotation



Days to Ship

Quotation



Alterations

Part Number	L	N	A	(TC · CM · DKC · DC · KAC · TM)
APS 25	200.0	N30.0	A15	DC24.5 - DKC - KAC

Alterations	Code	Spec.	1Code
	TC	TC=0.1mm increments (Reduces the head thickness. The full length remains unchanged.) TC min.: Fractions are rounded up to the first decimal place. TC = 13/2 tan 18° + 2.0 = 4.112 ⊳4.2	Quotation
	KAC	Single flat chamfering Changes the head shape from a cone to a single flat cut. ⓘ Available when D ≤ 30	
	DKC	Press-fit section tolerance alteration Changes Dms → D + 0.005 ⓘ Available when D ≤ 30 ⓘ Available when N ≤ 200	

Alterations	Code	Spec.	1Code
	CM	Performs C chamfering on the edge of the step. (Recess of C-chamfering for assembling: about C0.3) ⓘ Available for APS when D ≥ 30 Chamfering is performed as standard for D ≤ 25.	Quotation
	DC	Changes (D-1) step by designation. DC=0.1mm increments Tolerance of the step's external diameter: -0.05 ⓘ D-0.1 ≥ DC D-1 ⓘ When DC is used SR = DC/2 ⓘ Available for APS when D ≤ 30	
	TM	Adds a 30° taper on the edge of step. (Taper for installation) ⓘ Available for APS ⊗ Combination with CM · DC not available	

D	m5	f6 (AP)	T	H	S		Part Number		0.1mm increments		A 1° increments	U/Price for 1~9	
					AP	APS	Type	D	L	N		AP	APS
4				7	2	1.5			4	15.0~70.0 70.1~90.0			
5	+0.009 +0.004	-0.010 -0.018		8	2.5	2			5	15.0~70.0 70.1~90.0 90.1~100.0			
6			5	9	3	2.5			6	15.0~70.0 70.1~90.0 90.1~110.0			
8	+0.012 +0.006	-0.013 -0.022		11	4	3.5			8	15.0~80.0 80.1~110.0 110.1~130.0			
10				13	5	4.5			10	20.0~110.0 110.1~160.0 160.1~200.0			
12			10	15	6	5.5			12	20.0~110.0 110.1~160.0 160.1~200.0 200.1~250.0			
13	+0.015 +0.007	-0.016 -0.027		16	6.5	6			13	20.0~110.0 110.1~160.0 160.1~200.0 200.1~250.0			
15				18	7.5	7			15	20.0~110.0 110.1~160.0 160.1~200.0 200.1~250.0			
16				19	8	7.5		AP	16	20.0~110.0 110.1~160.0 160.1~200.0 200.1~250.0			
20			13	23		9.5		APS (Stepped type)	20	40.0~130.0 130.1~200.0 200.1~300.0 300.1~350.0 40.0~130.0 130.1~200.0 200.1~300.0 300.1~350.0 350.1~400.0 60.0~160.0 160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0	2 ≤ N or N=0 (No press-fit section)		
25	+0.017 +0.008	-0.020 -0.033		28					25	40.0~130.0 130.1~200.0 200.1~300.0 300.1~350.0 350.1~400.0 60.0~160.0 160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0			
30				35					30	70.0~160.0 160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0			
32				37	10				32	160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0			
35	+0.020 +0.009	-0.025 -0.041		40					35	100.0~160.0 160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0			
40				45					40	100.0~160.0 160.1~220.0 220.1~300.0 300.1~400.0 400.1~500.0			
50				55					50	200.0~260.0 260.1~320.0 320.1~400.0 400.1~500.0			

Quotation

Angular Pins
Locking Blocks