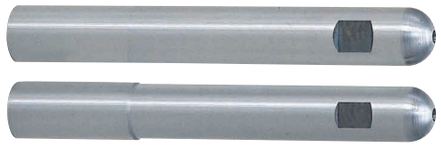
ANGULAR PINS

—TAPPED • WRENCHING TYPE/TAPPED • HEXAGONAL WRENCH SOCKET TYPE—

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

—Tapped • Wrenching type—

RoHS

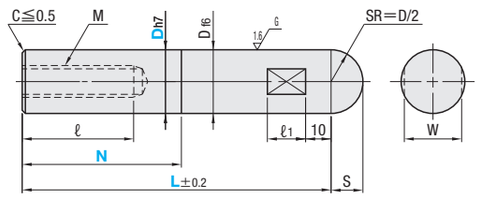


—Tapped • Hexagonal wrench socket type—

RoHS

APU

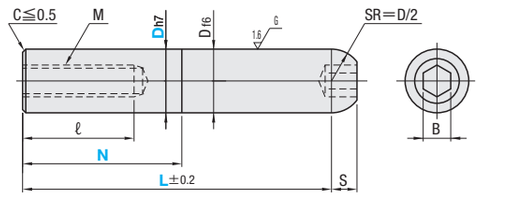
Profile tolerance of SR 0.3



M SUJ2
H 58HRC～
(Induction hardening)

APHX

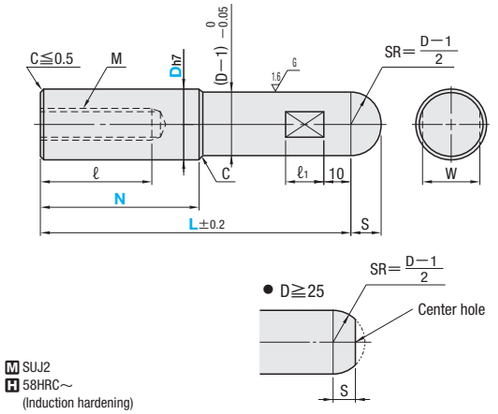
Profile tolerance of SR 0.3



M SUJ2
H 58HRC～
(Induction hardening)

APUS(Stepped type)

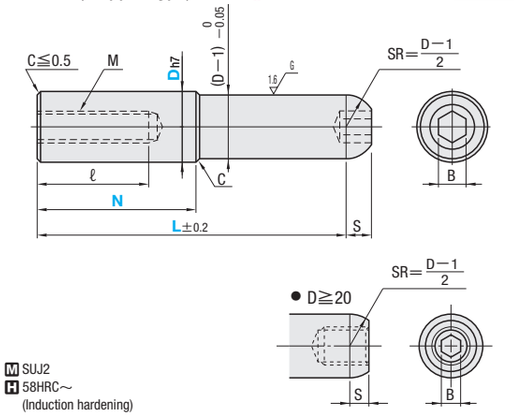
Profile tolerance of SR 0.3



M SUJ2
H 58HRC～
(Induction hardening)

APHXS(Stepped type)

Profile tolerance of SR 0.3



M SUJ2
H 58HRC～
(Induction hardening)

■About the hexagonal wrench socket type (APHX・APHXS)

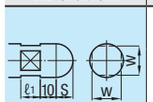
D≦16

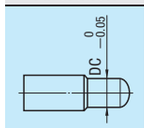
D≧20

- The hexagonal wrench socket of smaller pins (D≦16) is processed by electric discharging.
- For larger pins (D≧20), a screw plug (with a hexagonal wrench socket) is embedded and fixed with Loctite No. 272 (Heat resistance temperature 230℃).

Alterations

Part Number — L — N — (WSC・DC)
APU25 — 200.0 — N40.0 — WSC
APHXS25 — 200.0 — N40.0 — DC24.5

Alteration	Code	Spec.	1Code
	WSC	Adds 4 wrenching grooves. Available for APU・APUS.	Quotation

Alteration	Code	Spec.	1Code
	DC	Changes (D−1) step by designation. DC=0.1mm increments D−0.1≧DC D−1 When DC is used SR=DC/2 Available for APUS・APHXS.	Quotation

D	h7	f6	M	ℓ	S APU	S APUS	S APHX	S APHXS	APU・APUS ℓ1	APU・APUS W	APHX・APHXS B (Hexagonal wrench socket)
10	0 −0.015	−0.013 −0.022	6	15	5	4.5	3.5	3	8	7	5 (Electric discharging)
12	0 −0.018	−0.016 −0.027	6	15	6	5.5	4	3.5	10	10*(9)	5 (Electric discharging)
13	0 −0.018	−0.016 −0.027	8	20	6.5	6	5	4	10	10	5 (Electric discharging)
16	0 −0.018	−0.016 −0.027	10	25	8	7.5	7	6	10	13	5 (Electric discharging)
20	0 −0.021	−0.020 −0.033	12	30	10	10	6	6	12	17	6 (Screw plug) M12—L15
25	0 −0.021	−0.020 −0.033	12	30	10	10	10	10	12	22	6 (Screw plug) M12—L15
30	0 −0.021	−0.020 −0.033	16	40	10	10	10	10	18	27	8 (Screw plug) M16—L20
32	0 −0.025	−0.025 −0.041	16	40	10	10	10	10	18	27	8 (Screw plug) M16—L20
35	0 −0.025	−0.025 −0.041	16	40	10	10	10	10	18	32	8 (Screw plug) M16—L20
40	0 −0.025	−0.025 −0.041	20	40	15	15	15	15	18	36	8 (Screw plug) M16—L20

*W=9 when APUS12.

Part Number	D	L	N	U/Price for 1～9 APU・APHX	U/Price for 1～9 APUS・APHXS
APU APHX (Stepped type)	10	30.0～110.0	L＞N≧0	Quotation	
		110.1～160.0			
		160.1～200.0			
	12	35.0～110.0			
		110.1～160.0			
		160.1～200.0			
		200.1～250.0			
	13	35.0～110.0			
		110.1～160.0			
		160.1～200.0			
		200.1～250.0			
	16	45.0～110.0			
		110.1～160.0			
		160.1～200.0			
		200.1～250.0			
	20	50.0～130.0			
		130.1～200.0			
		200.1～300.0			
		300.1～350.0			
APUS APHXS (Stepped type)	25	50.0～130.0			
		130.1～200.0			
		200.1～300.0			
		300.1～400.0			
	30	60.0～160.0			
		160.1～220.0			
		220.1～300.0			
		300.1～400.0			
	32	60.0～160.0			
		160.1～220.0			
		220.1～300.0			
		300.1～400.0			
	35	60.0～160.0			
		160.1～220.0			
		220.1～300.0			
		300.1～400.0			
		400.1～450.0			
	40	60.0～160.0			
		160.1～220.0			
		220.1～300.0			
		300.1～400.0			
		400.1～450.0			

Order

Part Number — L — N
APHX25 — 200.0 — N40.0

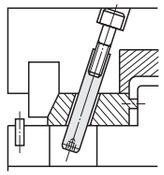
Price Quotation

Days to Ship Quotation

Example

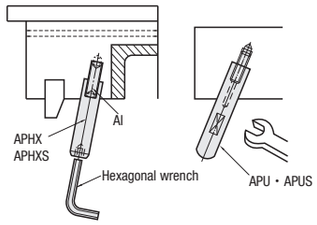
■Bolt Setting

- Use this for a thick die plate.
- This is also useful when the angular pin interferes with cavity inserts.

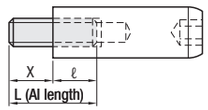


■Using AI (Screw Bolt)

- Can also be set from the parting line using a hexagonal wrench.



■Example of AI (Screw Bolt) Use



Part Number Type	M	L	ℓ Applicable depth of angular pin tap	X Effective attachment length (reference)
AI	6	30	15	15
	8	35	20	15
	10	40	25	15
	12	50	30	20
	16	60	40	20
	20	70	40	30

AI P.614