

FEATURES

- Solid bar-stock drilled design
- Possible thermowell designs: tapered, straight or stepped
- Head design: hexagon, milled wrench flats or round with hexagon

APPLICATION

- Chemical industry, process technology, equipment manufacturing
- For high chemical stress
For high process loads

Single Bar Stock

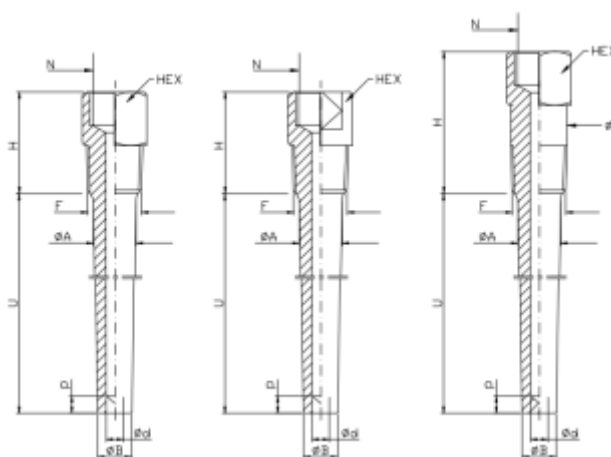


STANDARD SPECIFICATIONS

Shank form	:	tapered, straight or stepped
Material	:	AISI 316 SS
Instrument connection	:	1/2" NPT (F) / 1/2" BSP (F)
Bore diameter	:	6.6 mm - Other bore sizes on request
Lag extension	:	to customer specification (min. 45 mm)
Root diameter	:	to customer specification
Tip diameter	:	to customer specification
Immersion length	:	to customer specification
Tip thickness	:	6.4 mm - Other tip thicknesses on request
Process connection	:	1/2" NPT (M) / 3/4" NPT (M) / 1" NPT (M)
Head type	:	Hex / Round

DIMENSIONAL DRAWING

Design W102 tapered execution



Typical dimension (mm) : tapered thermowell form

Process connection	Hex	F	Ø A	Ø B	p	Ød	H
1/2" NPT	HEX 27	1/2" NPT / G1/2	16	13	6,4	6.6 / 8.5	45
3/4" NPT	HEX 27	1/2" NPT / G1/2	22	16	6,4	6.6 / 8.5	45
1" NPT	HEX 36	1/2" NPT / G1/2	27	19	6,4	6.6 / 8.5	50

REFERENCE

ASME PTC 19.3TW:2010
International standard

ORDERING CODES

1. SHANK FORM

S	Straight	E	Stepped
T	Tapered		

S

2. MATERIAL

MB	Carbon Steel / ASTM A105		
MC	AISI 304SS	ME	AISI 310 SS
MF	AISI 316 SS	MG	AISI 316L SS
MM	Monel 400	MN	Monel K-500
MO	Hastelloy C-276	MQ	Inconel 600
MR	Inconel 625	MS	Inconel 800
MT	Inconel 825	MV	Titanium
MI	AISI 321 SS	M6	AISI 446 SS

MB

3. INSTRUMENT CONNECTION

05N	3/4" NPT (F)	04N	1/2" NPT (F)
05B	3/4" BSP (F)	04B	1/2" BSP (F)
04M	M20 x 1.5 mm (F)		

04N

4. PROCESS CONNECTION

14N	1/2" NPT (M)	15N	3/4" NPT (M)
16N	1" NPT (M)	14B	1/2" BSP (M)
15B	3/4" BSP (M)	16B	1" BSP (M)
14M	M20 x 1.5 mm (M)		

14N

5. HEAD TYPE

H	Hex
L	Round with spanner slot

H

6. HEAD SIZE

XX	Mention in 'mm'
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27

7. LAG EXTENSION ("T")

XXX	45 to 250 mm
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50

8. ROOT DIAMETER

XX.X	Mention in 'mm'
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21

9. TIP DIAMETER

XX.X	Mention in 'mm'
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21

10. BORE DIAMETER ("d")

A	6.6 mm	C	9.0 mm
D	9.6 mm	F	11 mm
G	13 mm	O	10 mm
B	7.0 mm		

A

11. IMMERSION LENGTH ("U")

XXXX	50 mm up to 1000 mm
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100

12. STEP / TAPER LENGTH ("SL/TL")

XXX	Mention in 'mm'		
SL	Step length	TL	Partial taper length

XXX

13. TIP THICKNESS ("t")

M	5 mm	N	6.35 mm (1/4")
O	10 mm		

M

14. OTHER OPTIONS

XI	Plug & chain in SS
XK	Electro polishing
TC	Material test certificate 3.1
TG	IGC test
TH	Hydro test certificate
TI	IBR certification
TN	Tested to NACE standards
TW	WFC as per PTC 19.3TW:2010
TU	Ultrasonic test
XT	Tag No. Marking
TD	Dye Penetration Test
TF	PMI Test

XM

Ordering Example : W102-S-MB-04N-14N-H-27-50-21-21-A-100-M

NOTES:

1. Please refer "Technical Guidance Sheet" for the proper selection of connections according to Head size and Outer diameter of the well.