

Socket Weld Thermowell

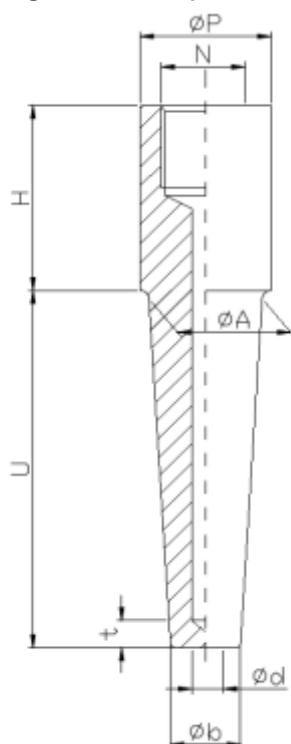

- Different dimensions for standardised welding sockets
- Possible thermowell designs: tapered, straight or stepped

APPLICATION

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

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	:	50 mm (standard)
Root diameter	:	see table
Tip diameter	:	see table
Immersion length	:	to customer specification
Tip thickness	:	6 mm
Process connection	:	3/4" / 1" / 1,5"
Head type	:	round

DIMENSIONAL DRAWING
Design W203 tapered execution


Typical dimension (mm) : tapered thermowell form

DN	Dimensions in mm [in]					
	H	Ø A	Ø b	P	t	Ø d
3/4"	50	19	16	26,7	6	6,6 - 8,5
1"	50	25	19	33,4	6	6,6 - 8,5
1,5"	50	38	19	48,3	6	6,6 - 8,5

REFERENCE

International standard

ORDERING CODES

1. SHANK FORM

S	Straight	E	Stepped
T	Tapered		

T

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

MG

3. INSTRUMENT CONNECTION

04N	1/2" NPT (F)
05N	3/4" NPT (F)
04B	1/2" BSP (F)
05B	3/4" BSP (F)

04N

4. PROCESS CONNECTION

3/4
1
1,5

3/4

5. HEAD TYPE

L Round with spanner slot

L

6. HEAD SIZE

3/4
1
1,5

3/4

7. LAG EXTENSION H

XXX 50

50

8. ROOT DIAMETER

XX.X Mention in 'mm'

19

9. TIP DIAMETER

XX.X Mention in 'mm'

16

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	H	8,5 mm

A

11. IMMERSION LENGTH ("U")

XXXX 50 mm up to 1000 mm

100

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

XXX Mention in 'mm'
SL Step 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

TC

Ordering example : W203-T-MG-04N-3/4-L3/4-50-19-16-A-100-M-TC

NOTES:

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