Description & Features

- Stepped, Tapered or straight construction
- Different dimensions for standardised welding sockets
- Economical

Applications

- Petrochemical industry, on-/offshore, plant construction
- For high process loads
- Tanks or feed water system on boilers where no internal threads are available

Specifications

Construction Stepped construction standard; Tapered or straight construction available upon request

Thermowell Material

AISI 304 stainless steel, AISI 316 stainless steel, AISI 316L stainless steel, and Duplex stainless steel, Other materials are available upon requests

Instruments Connection

1/2" NPT female standard, other thread size are available upon request

Stem Length

4" (100mm), 6" (150mm), 9" (229mm), 12" (305mm) other thread size are available upon request

Length "H" Dimension 45mm standard Others , please specify the length in mm

Tip Diameter

16mm, 18mm, 20mm, 22mm, 24mm Others, please specify the length in mm

Immersion Length (Excluded Thread Length)

2.5" (63mm),4" (100mm) Others , please specify the length in mm

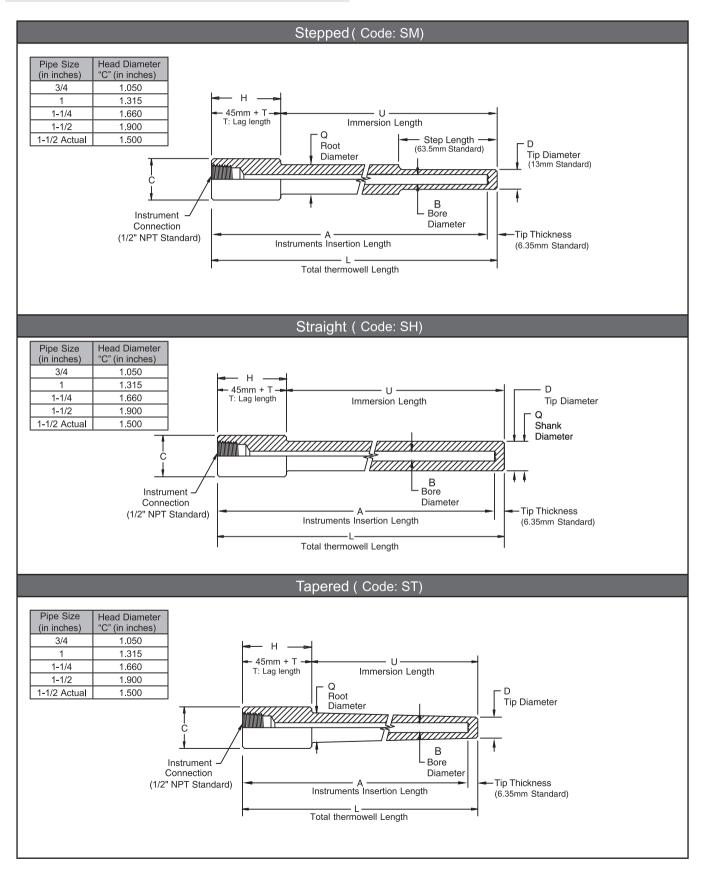
Bore Diameter

7mm standard Others, please specify the length in mm

Option

Oxygen service NACE MR 0175-2002 Please specify the length in mm for step length M stepped style not 2.5"

Dimensions (Unit: mm)



1.	Code	Specifications
1.		
	TWS	Series
		Shank Style
2.	SM	Stepped
	SH	Straight
	ST	Tapered
3.	Т	Material 304 SS
3.	S	316 SS
	L	316L SS
	V	Alloy 800
	С	Inconel 600
	D	Duplex 2205
	M	Monel
	Н	Hastelloy C
	A	Tantalum
	Q Z	Titanium Special request
	Z	Instruments Connection Size
4.	4	1/4"
	2	1/2"
	5	3/4"
	3	3/8"
	Z	Special request
_		Instruments Connection Threaded Standard
5.	N	NPT
	G	GB
	P	BSPT BSPP
	M	M20X1.5
	Z	Special request
		Overall Length "L" in mm
6.	120	120mm
	150	150mm
	ZZZ	Others, please specify the length in mm
7.		Length "H" Dimension in mm
1.	45 ZZ	45mm, standard, lag length "T" = 0 Others please specify "H" in mm with wrench allowance length "W" = 45mm add lag length "T" in mm
		Immersion Length "U" (Excluded Thread Length) in mm
8.	063	2.5" (63mm)
	100	4" (100mm)
	150	6" (150mm)
	ZZZ	Other, please specify the length in mm

Ordering Code TWS Series				
[Field No.	Code	Specifications	
			Bore Diameter "B" in mm	
9.		07	7mm standard	
		09	9mm	
		11	11mm	
		ZZ	Others, please specify the length in mm	
			Root Outside Diameter "Q" in mm	
10.		16	16mm	
		18	18mm	
		20	20mm	
		22	22mm	
		ZZ	Others, please specify the length in mm	
			Tip Outside Diameter "D" in mm	
11.		16	16mm	
		18	18mm	
		20	20mm	
		22	22mm	
		ZZ	Others, please specify the length in mm	
			Option	
12.		VN	Oxygen service	
		RR	NACE MR 0175-2002	
		ZZ	Please specify the length in mm for step length M stepped style not 2.5"	

NOTE - USER RESPONSIBILITY

For most industrial applications. A properly selected thermowell must be based on application parameters: fluid type, temperature, pressure, and fluid velocity. Most thermowell failures are due to vibration induced by fluid flow.