

Thermowells (TW)

Thermowells in conductive materials are used to separate the thermometer from the media. A thermowell is particularly recommended for applications in high pressure media. In addition, thermowells protect the thermometers from aggressive media and facilitate replacement of the thermometer without disturbing the media or process.

An extensive range of standard versions is available for a variety of applications. In addition, thermowells are available in special materials and in customised dimensions.

Special Features

Screw fitted and welded versions

Suitable for aggressive media

Variety of standard materials : copper alloys, steel and stainless steel

Available in a wide range of dimensions and materials for different applications

Special materials are dimensions

Industrial Applications

Pharmaceutical industries

Chemical and petrochemical industries

Process engineering

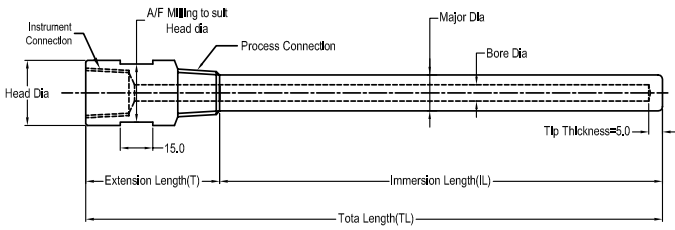
Food industries

Refineries

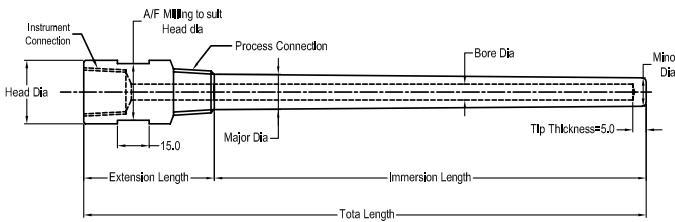


Construction of Threaded Bar Stock Thermowell

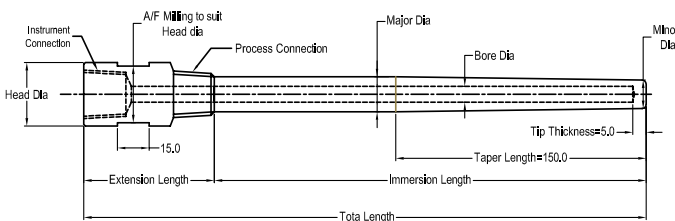
Straight



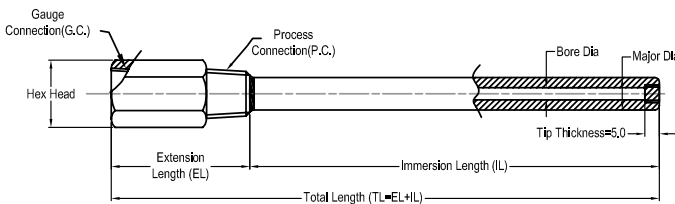
Full Tapered



Partial Tapered

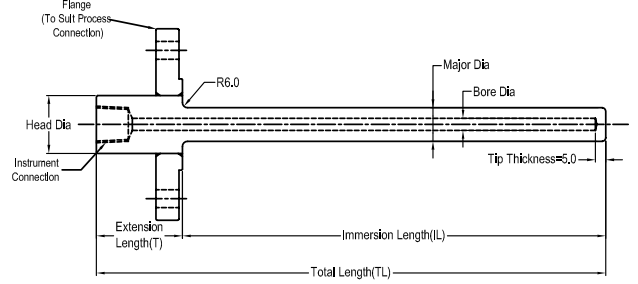


Threaded Fabricated Thermowell (Hex Headed) - Straight

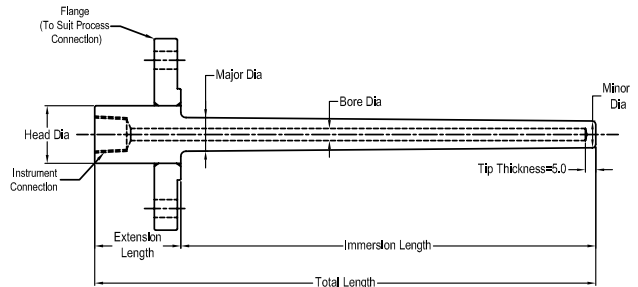


Construction of Flanged End Bar Stock Thermowell

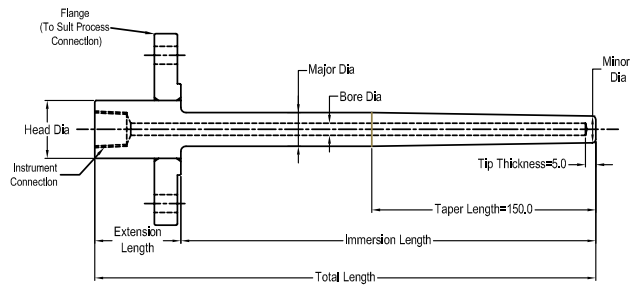
Straight



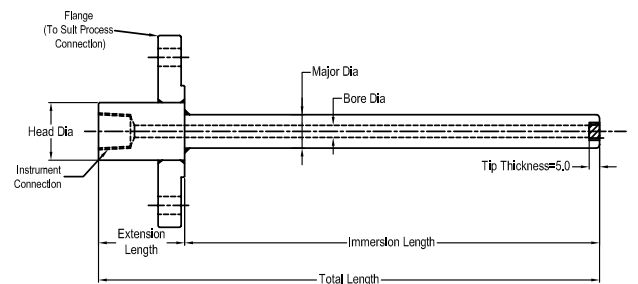
Full Tapered



Partial Tapered



Flanged Fabricated Thermowell - Tapered



Ordering Information

** * * * * * * * * * *

Model

Thermowell bar stock – screwed	TS
Thermowell bar stock – flanged	TF
Thermowell fabricated – screwed	FT
Thermowell fabricated – flanged	FF

Construction

Partial taper	P
Stepped	R
Straight	S
Full taper	T

Instrument Connection Size

M20 x 1.5P	M
3/8"	B
1/2"	C
1"	E

Instrument Connection Type

NPT(F)	D
BSP(F)	E
BSPT(F)	F
Metric thread (F)	M

Process Connection Size

M20 x 1.5P	M
M33 x 2P	N
3/8"	B
1/2"	C
1"	E
1 1/2"	G
2"	H
Not required	Z

Process Connection Type

NPT(M)	A
BSP(M)	B
BSPT(M)	C
Metric thread (M)	M
#150RF	D
#300RF	E
#600RF	F
#150FF	P
#300FF	Q
#900RTJ	T
Weld-In type	Y

Extension Length

50 mm (std.)	1
80 mm	2
100 mm	5
150 mm	9
Customized extension length	Z

Immersion Length

As per requirement (below thread/flange)

Minor Diameter

16 mm	A
18 mm	B
22 mm	C
28 mm	E
24 mm	F
26 mm	G
12 mm	I
14 mm	J
Not required	X

Major Diameter

16 mm	A
18 mm	B
22 mm	C
28 mm	E
24 mm	F
26 mm	G
Customised major diameter	Z

Bore Diameter

7 mm	A
9 mm	B
11 mm	C
13 mm	E
15 mm	F
Customized bore diameter	Z

Head Size & Type

25 mm round headed with spanner slots	A
25 mm hex headed	O
28 mm round headed with spanner slots	B
28 mm hex headed	F
36 mm round headed with spanner slots	J
36 mm hex headed	K
45 mm round headed with spanner slots	N
45 mm hex headed	P
Customized head size and type	Z

Note : please specify in case of any special requirements.

Configuration Generation Code

Thermowell - Material of Construction
SS 316
SS 304
SS 316L
Monel 400
SS 310

Flange - Material of Construction
SS 316
SS 304
SS 316L

Optional Features
Thermowell taper/step length – starting from 150 mm to 800 mm
Sleeves – hastelloy C (1 mm thick)

Tests and Certificates
IBR
Radiography
Ultrasonic testing
Dye penetration testing
NACE confirmity for wetted parts
NABL traceability certificate
Material test certificate for wetted parts
Special requirement – please specify

Ordering example : TSSCDCABAAXA1-XXXX (standard selection)



Forbes Marshall
 Krohne Marshall
 Forbes Marshall Arca
 Codel International
 Forbes Solar
 Forbes Vyncke
 Forbes Marshall Steam Systems

Plot No. A-19/2 & T-4/2, I.D.A
 Nacharam, Hyderabad - 500 076
 Tel : +91-40-27179223, 27171909,
 27170732
 Fax : +91-40-27173235

Email : sales-gauges@forbesmarshall.com, ccmidc@forbesmarshall.com

All contents herein are the property of Forbes Marshall Private Limited ("FMPL") or Forbes Marshall Steam Systems Private Limited ("FMSSPL"), as the case may be, and having protection under the intellectual property rights. Any reproduction, distribution or disclosure without prior written permission is prohibited. Information in this document is subject to change without notice.

B-85, Phase II, Chakan Indl Area
 Sawardari, Chakan, Tal. Khed
 Dist. Pune - 410 501. INDIA
 Tel : 91(0)2135-393400

A-34/35, MIDC H Block
 Pimpri, Pune - 411 018. INDIA.
 Tel : 91(0)20-27442020, 39851199
 Fax : 91(0)20-27442040

CIN No.: U28996PN1985PTC037806

www.forbesmarshall.com