

TW25

Weld-In Thermowell (Solid Machined)



WIKAI

Part of your business

TW25 Weld-In Thermowell

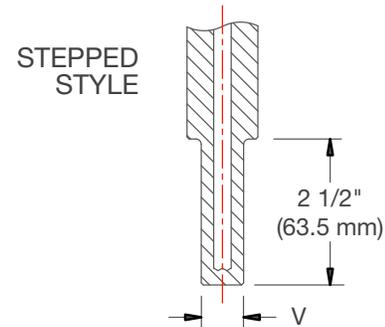
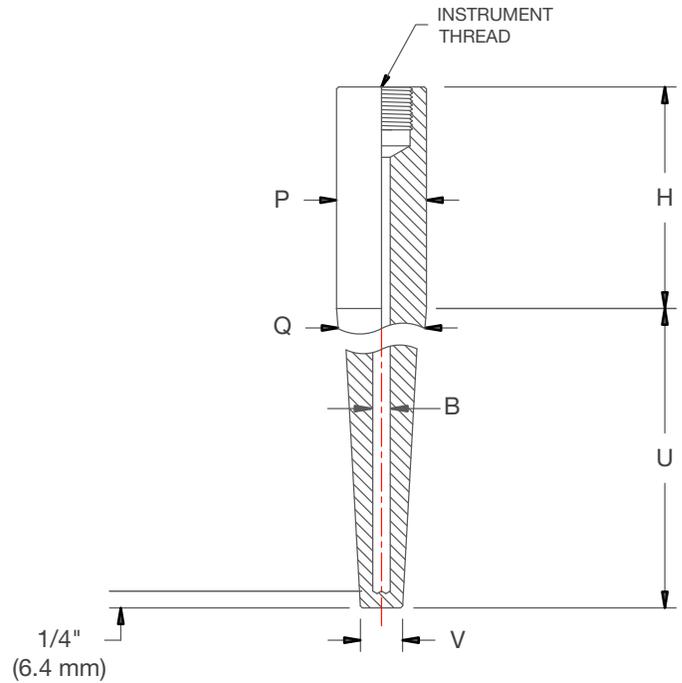
(Solid machined)

Model TW25 thermowells are machined from solid bar stock and inserted into the process through direct welded attachment. This design of thermowell will accept thermocouples (TC), resistance temperature detectors (RTD), as well as mechanical and digital thermometers.

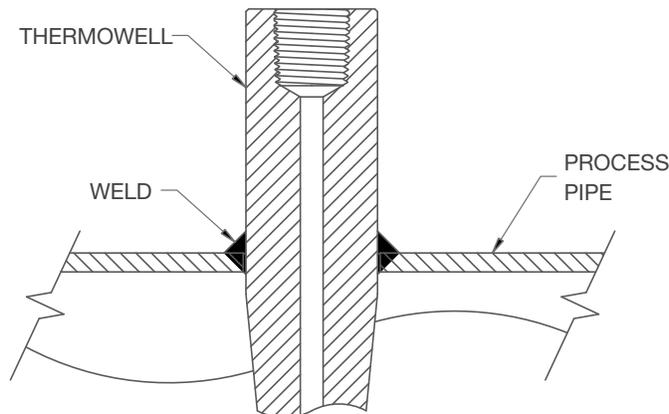
The Head Diameter (P) is designed to fit any required process size with a minimum of 1 inch (25.4 mm) to a maximum of 2 inch (50.8 mm). Consult factory if a larger diameter is required. There are no restrictions on head diameter within the specified range as no fitting with matching dimensions is necessary.

Applications:

- Chemical, process, apparatus and plant engineering; petrochemical; on/offshore
- High chemical loads
- High process loads



Weld-In Thermowell Installation:



Thermowells

TW25 Weld-In Thermowell (Solid Machined)

Thermowell Style:	Tapered, Straight, or Stepped
Head Diameter:	Up to 2 inch (50.8 mm)
Insertion Length:	Up to 62 inch (1575 mm) for single piece construction
Bore Size:	0.260 to 0.385 inch (6.6 to 9.8 mm)
Bore Depth:	Up to 72 inch (1828 mm)
Electrical Approvals:	CSA, FM
Options:	<ul style="list-style-type: none">■ Wake frequency calculations■ Quality certificates■ Stainless steel plug or cap with chain■ Product tagging■ Multi-piece construction for bore depths greater than 72 inch

Weld-In Tapered



Weld-In Straight



Weld-In Stepped



TW25

Create your product part number by selecting the appropriate assembly items from each of the categories below. Enter the item code into the applicable box to generate the part number.

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1 2 3 4 5 6 7 8 9 10

Part Number TW25-X-X-XXXX-XX-XXXXX-XXXXX-
XX-X-XXXX-XXXX-XX-XX

1 Thermowell style

Code	
A	Tapered
B	Straight
C	Stepped

2 Unit of measure

I	Imperial
M	Metric

3 Head diameter [P]

****	Please specify; minimum 1 inch (25.4 mm) (e.g. 1.5 inch = 1500) (e.g. 28 mm = 0280)
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4 Instrument connection

GF	1/2 NPSM
TD	G 1/2 female
UD	1/2 NPT female

5 Insertion length [U]

*****	Please specify; maximum 62 inch (1575 mm) (e.g. 8.5 inch = 08500) (e.g. 240 mm = 00240)
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6 Head length [H]

01750	1.75 inch
00045	45 mm
*****	Please specify (e.g. 1.5 inch = 01500) (e.g. 48 mm = 00048)

7 Material

G3	Stainless steel 316/316L
G1	Stainless steel 304/304L
F1	Carbon steel A105
G5	Stainless steel 310
G6	Stainless steel 321
G8	Stainless steel 347
G4	Stainless steel 316H
G2	Stainless steel 304H
H1	Carbon steel F11
H2	Carbon steel F22
H3	Carbon steel F5
H4	Carbon steel F9
H5	Carbon steel F91
B1	Inconel® 600
B2	Inconel® 601
B3	Inconel® 625
C1	Incoloy® 800H/HT
C2	Incoloy® 825
A5	Titanium Grade II
D1	Monel® 400
E1	Nickel 200
E2	Nickel 201
A2	Hastelloy® C-276
A1	Hastelloy® B-2
A3	Hastelloy® C-4
I1	Stainless steel 410
I2	Stainless steel 446
A4	Hastelloy® C-22
L6	Stainless steel duplex (1.4462)
L5	Stainless steel 1.4571
L1	Carbon steel 1.7335 (13CrMo44)
L4	Carbon steel 1.5415 (15Mo3/16Mo3)
L2	Carbon steel 1.7380 (10CrMo910)
L3	Carbon steel 1.0460 (C22.8)
F2	Carbon steel 1018

8 Bore size [B]

A	0.260 inch (6.6 mm)
M	0.335 inch (8.5 mm)
B	0.385 inch (9.8 mm)

9 Root diameter [Q]

****	Please specify (e.g. 1.375 inch = 1375) (e.g. 24 mm = 0240)
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10 Tip diameter [V]

0500	0.500 inch
0750	0.750 inch
0127	12.7 mm
0190	19 mm
****	Please specify (e.g. 0.625 inch = 0625) (e.g. 24 mm = 0240)

Note: Some configurations are unavailable. Your WIKA sales person will notify you if you have made an incorrect selection



11

12

13

11 RTD / TC / Thermometer assembly

1A	TR10 Industrial RTD assembly
1B	TC10 Industrial TC assembly
1C	TR15 Remote RTD assembly
1D	TC15 Remote TC assembly
1F	TR75 DiwiTherm®
YY	Dial Thermometer (Bimetal / Gas actuated)
ZZ	Without

12 Certificates

1	Quality certificates
Z	Without

13 Additional order details

T	Additional text
Z	Without

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