

bar-stock thermowells, stepped shank, with threaded connection, NP100



Thermowells are used to protect the measuring instrument from corrosion, high pressure or high fluid velocity and to allow the measuring instrument removal for recalibration or replacement without affecting the process system. The W30-W40 serie includes bar-stocked thermowells with a threaded process connection and they are suitable for heavy work conditions. These thermowells have a stepped-shank immersion length for a better process temperature measuring sensibility.

9 - Thermowells

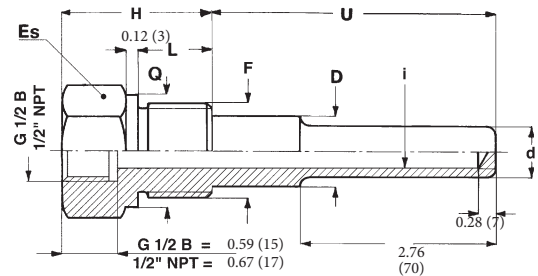
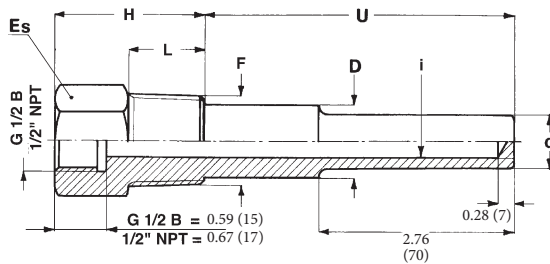
Nominal pressure: 1450 psi @ 752°F (100 bar @ 400°C).

Process fluid temperature: -328...+1112°F (-200...+600°C), for std materials.

Total length: 40" max (1000 mm).

Materials: AISI 316 (Cod. 4), AISI 316L (Cod. 5) st.st. bar-stock.

Special materials: Monel 400, Hastelloy C276, Alloy 825, Alloy 625, Duplex SAF 2205, Duplex SAF 2507 bar-stock.



dimensions : inches (mm)

Mod.	Es.	F	i	D	d	H	L	Q
W31	0.94 (24) ⁽¹⁾	43M 1/2" NPT	0.28-0.31-0.35 (7 - 8 - 9)	0.71 (18)	0.59 (15)	1.81 (46)	0.79 (20)	-
			0.39-0.47 (10 - 12)		0.71 (18)			
W32	1.06 (27) ⁽¹⁾	53M 3/4" NPT	0.28-0.31-0.35 (7 - 8 - 9)	0.71 (18)	0.59 (15)	1.81 (46)	0.79 (20)	-
			0.39-0.47 (10 - 12)	0.83 (21)	0.71 (18)			
		41M G 1/2 B	0.28-0.31-0.35 (7 - 8 - 9)	0.71 (18)	0.59 (15)	1.81 (46)	0.79 (20)	1.02 (26)
			0.39-0.47 (10 - 12)	0.71 (18)	0.71 (18)			
W33	1.42 (36) ⁽²⁾	63M 1" NPT	0.28-0.31-0.35 (7 - 8 - 9)	0.83 (21)	0.59 (15)	2.01 (51)	0.98 (25)	-
			0.39-0.47 (10 - 12)	0.98 (25)	0.71 (18)			
		51M G 3/4 B	0.28-0.31-0.35 (7 - 8 - 9)	0.71 (18)	0.59 (15)	1.81 (46)	0.79 (20)	1.25 (31,7)
			0.39-0.47 (10 - 12)	0.83 (21)	0.71 (18)			
W34	1.61 (41)	61M G 1 B	0.28-0.31-0.35 (7 - 8 - 9)	0.83 (21)	0.59 (15)	2.01 (51)	0.79 (20)	1.54 (39)
			0.39-0.47 (10 - 12)	0.98 (25)	0.71 (18)			

(1) For insertion length > 16" (400 mm) and/or special material : round bar stock ϕ 1.18 (30mm) with 0.94" (24 mm) key.

(2) For insertion length > 28" (700 mm) and/or special material : round bar stock ϕ 1.38 (35mm) with 1.06" (27 mm) key.



dimensions : inches (mm)

Mod.	Es.	F	i	D	d	H	L	Q
W41	0.94 (24) ⁽¹⁾	43M 1/2" NPT	0.28-0.31-0.35 (7 - 8 -9)	0.71 (18)	0.59 (15)	2.24 (57)	0.79 (20)	-
			0.39-0.47 (10 - 12)		0.69 (18)			
W42	1.06 (27) ⁽¹⁾	53M 3/4" NPT	0.28-0.31-0.35 (7 - 8 -9)	0.71 (18)	0.59 (15)	2.24 (57)	0.79 (20)	-
			0.39-0.47 (10 - 12)	0.83 (21)	0.71 (18)			
W43	1.42 (36) ⁽²⁾	41M G 1/2 B	0.28-0.31-0.35 (7 - 8 -9)	0.71 (18)	0.59 (15)	2.24 (57)	0.79 (20)	1.02 (26)
			0.39-0.47 (10 - 12)		0.71 (18)			
W43	1.42 (36) ⁽²⁾	63M 1" NPT	0.28-0.31-0.35 (7 - 8 -9)	0.83 (21)	0.59 (15)	2.44 (62)	0.98 (25)	-
			0.39-0.47 (10 - 12)	0.98 (25)	0.71 (18)			
W44	1.61 (41)	51M G 3/4 B	0.28-0.31-0.35 (7 - 8 -9)	0.71 (18)	0.59 (15)	2.24 (57)	0.79 (20)	1.25 (31,7)
			0.39-0.47 (10 - 12)	0.83 (21)	0.71 (18)			
W44	1.61 (41)	61M G 1 B	0.28-0.31-0.35 (7 - 8 -9)	0.83 (21)	0.59 (15)	2.44 (62)	0.79 (20)	1.54 (39)
			0.39-0.47 (10 - 12)	0.98 (25)	0.71 (18)			

(1) For insertion length > 16" (400 mm) and/or special material : round bar stock ø 1.18 (30mm) with 0.94" (24 mm) key.

(2) For insertion length > 28" (700 mm) and/or special material : round bar stock ø 1.38 (35mm) with 1.06" (27 mm) key.

OPTIONS

P02 - Oxygen service
E30 - NACE MR0103 - MR0175 (ISO15156) certificate
TC1 - Plug and chain (1)
NIP - Nipple with coupling (1)

(1) Drawings and details in the "Thermowells information" sheet.

i
070 - ø 0.28 (7)
080 - ø 0.31 (8)
090 - ø 0.35 (9)
100 - ø 0.39 (10)
120 - ø 0.47 (12)

"HOW TO ORDER" SEQUENCE

Section / Model / Material / Instrument connection / Process connection / Insertion hole / Insertion / Extension / Options	length	length	
9 W31 4 41F - G 1/2 41M 070 P02...NIP			
W32 5 43M - 1/2 NPT 51M 080			
W33 41M - G 1/2 B 61M 090			
W34 43M 100			
W41 53M 120			
W42 63M			
W43			
W44			

