

TBR Bi-Metal Threaded Thermowell



Description & Features:

- Available in a wide range of materials for use on most applications
- Standard “stepped construction” offering is complemented by an array of custom thermowells including: straight, tapered, sanitary and flanged configurations
- CRN registered
- 1 year warranty

Applications:

- Allows for the creation of a “sealed system”, whereby the thermometer can be removed from the application without the need for shutting down or draining the system
- To protect the thermometer from possible exposure to the process media

Specifications

Thermometer Connection	1/2" NPT female connection standard Other thread sizes are available upon request
Process Connection	3/4", 1/2" or 1" NPT connection standard Other thread sizes are available upon request
Bore	0.260" (6.5mm) bore standard
Construction	Stepped construction standard Tapered construction available upon request
Material	Brass, AISI 304 SS, AISI 316 SS standard Other materials available upon request

Material	Pressure - Temperature Rating (PSI)						
	70°F (21°C)	200°F (93°C)	400°F (204°C)	600°F (316°C)	800°F (427°C)	1000°F (538°C)	1200°F (649°C)
Brass	5,000	4,200	1,000	-	-	-	-
304 SS	7,000	6,200	5,600	5,400	5,200	4,500	1,650
316 SS	7,000	7,000	6,400	6,200	6,100	5,100	2,500

Note: For process media velocities above 10m/s (30 feet/s) contact Winters

Order Codes (Thermowells without lag. Products in bold are normally in stock)

Stem Length A	NPT Connection P	Material	Code	Standard Insertion Length U	Shank Diameter
2.5" (63mm)	1/2"	Brass	TBR2550	1 3/8" (35mm)	1/2" (12.5mm)
		304 SS	TBR2550-1		
		316 SS	TBR2550-2		
	3/4"	Brass	TBR25		
		304 SS	TBR25-1		
		316 SS	TBR25-2		
4" (100mm)	1/2"	Brass	TBR3550	2.5" (63mm)	1/2" (12.5mm)
		304 SS	TBR3550-1		
		316 SS	TBR3550-2		
	3/4"	Brass	TBR35		
		304 SS	TBR35-1		
		316 SS	TBR35-2		
	1"	Brass	TBR35100		
		304 SS	TBR35100-1		
		316 SS	TBR35100-2		
6" (150mm)	1/2"	Brass	TBR650	4.5" (115mm)	5/8" (16mm)
		304 SS	TBR650-1		
		316 SS	TBR650-2		
	3/4"	Brass	TBR6		3/4" (19mm)
		304 SS	TBR6-1		
		316 SS	TBR6-2		
	1"	Brass	TBR6100		7/8" (22mm)
		304 SS	TBR6100-1		
		316 SS	TBR6100-2		
9" (229mm)	1/2"	Brass	TBR950	7.5" (190mm)	5/8" (16mm)
		304 SS	TBR950-1		
		316 SS	TBR950-2		
	3/4"	Brass	TBR9		3/4" (19mm)
		304 SS	TBR9-1		
		316 SS	TBR9-2		
	1"	Brass	TBR9100		7/8" (22mm)
		304 SS	TBR9100-1		
		316 SS	TBR9100-2		
12" (305mm)	1/2"	Brass	TBR1250	10.5" (266mm)	5/8" (16mm)
		304 SS	TBR1250-1		
		316 SS	TBR1250-2		
	3/4"	Brass	TBR12		3/4" (19mm)
		304 SS	TBR12-1		
		316 SS	TBR12-2		
	1"	Brass	TBR12100		7/8" (22mm)
		304 SS	TBR12100-1		
		316 SS	TBR12100-2		

Order Codes (Thermowells with lag. Products in bold are normally in stock)

Stem Length A	NPT Connection P	Material	Code	Standard Insertion Length U	Lag Length T	Shank Diameter
6" (150mm)	1/2"	Brass	TBRN650	2.5" (63mm)	2"	1/2" (12.5mm)
		304 SS	TBRN650-1			
		316 SS	TBRN650-2			
	3/4"	Brass	TBRN6	2.5" (63mm)	2"	1/2" (12.5mm)
		304 SS	TBRN6-1			
		316 SS	TBRN6-2			
	1"	Brass	TBRN6100	2.5" (63mm)	2"	1/2" (12.5mm)
		304 SS	TBRN6100-1			
		316 SS	TBRN6100-2			
9" (229mm)	1/2"	Brass	TBRN950	4.5" (115mm)	3"	5/8" (16mm)
		304 SS	TBRN950-1			
		316 SS	TBRN950-2			
	3/4"	Brass	TBRN9	4.5" (115mm)	3"	3/4" (19mm)
		304 SS	TBRN9-1			
		316 SS	TBRN9-2			
	1"	Brass	TBRN9100	4.5" (115mm)	3"	7/8" (22mm)
		304 SS	TBRN9100-1			
		316 SS	TBRN9100-2			
12" (305mm)	1/2"	Brass	TBRN1250	7.5" (190mm)	3"	5/8" (16mm)
		304 SS	TBRN1250-1			
		316 SS	TBRN1250-2			
	3/4"	Brass	TBRN12	7.5" (190mm)	3"	3/4" (19mm)
		304 SS	TBRN12-1			
		316 SS	TBRN12-2			
	1"	Brass	TBRN1210	7.5" (190mm)	3"	7/8" (22mm)
		304 SS	TBRN1210-1			
		316 SS	TBRN1210-2			

Other configurations available. 1/4" NPT thermometer connection available. BSP threads available upon request. Tapered construction available upon request. Other lengths available up to 48" (welded construction only). Other materials such as Monel®, Inconel®, Hastelloy® C and Titanium are available upon request.

Note: Standard well is stepped as shown to 0.5" OD except U=2.5". Straight shank supplied as an option. Specify additional lagging extensions as needed

Option suffix:

SCK = Socket Conversion Kit

W60 = Brass cap and chain (1/2")

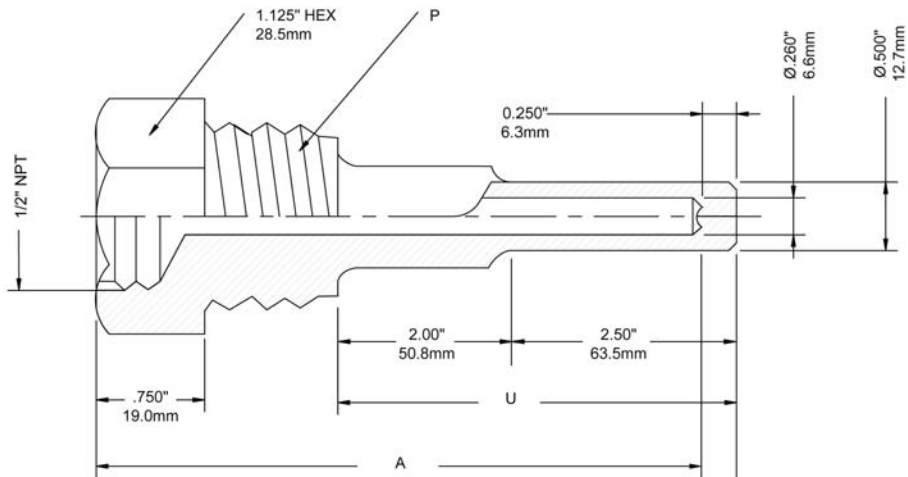
W60-1 = Stainless steel cap and chain (1/2")

Hastelloy® is a registered trademark of Haynes International, Inc.

Inconel® is a registered trademark of Special Metals Corporation

Monel® is a registered trademark of Inco Alloys International

Standard Thermowell without lag



Standard Thermowell with lag

