

BAR-STOCK THREADED THERMOWELL TGI33-2

APPLICATIONS

- Air & flue gas
- Tanks & vessels
- Oil & Gas applications
- Corrosive environments
- Power & Steel industries
- HVAC, Air filters & utilities
- On-shore/Off-shore application

FEATURES

- Solid bar-stock drilled design
- 4 different shank styles
- Threaded process connection



BAR-STOCK THREADED THERMOWELL, TGI33-2

DESCRIPTION

General

Well design : ASME PTC 19.3 : 2010TW

Thread design : ANSI B1.20.1 / BS EN ISO 228-1

Storage temperature : -40...+65°C

Service temperature : As per material properties

Material of construction

Well : ASTM A105 / AISI 304 SS / AISI 316 SS / AISI 316L SS

AISI 310 SS / AISI 321 SS / AISI 446 SS

Inconel 600 / Alloy 800 / Alloy 800H

Hastelloy C-276 / Inconel 625 / Inconel 825 / Monel

Standard version

Well form : Tapered

Material : AISI 316 SS

Instrument connection : 1/2" NPT (F)

Process connection : 3/4" NPT (M)

Head type & size : Hex - 27 mm / Round with spanner slot - 27 mm

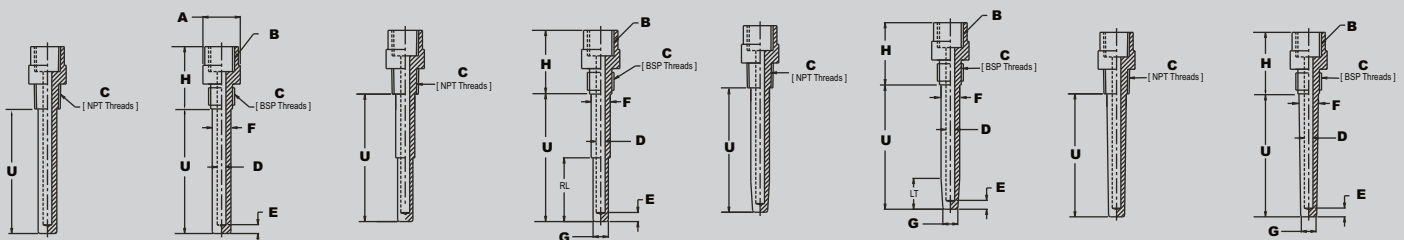
Lagging extension / Immersion length : 50 mm / 300 mm

Root / Tip diameter : 21.0 mm / 16.0 mm

Bore diameter : 6.6 mm

Tip thickness : 5 mm

GA DRAWING



Straight

Reduced Tip

Partial Taper

Taper

A - Finished Head Size
B - Instrument Connection
C - Process Connection
D - Bore Diameter

E - Tip Thickness
F - Major Diameter
G - Minor Diameter
H - Lagging Extension

U - Immersion Length
RL - Reduced Tip Length
LT - Partial Taper Length

BAR-STOCK THREADED THERMOWELL

TGI33-2

ORDERING CODES						
MODEL						TGI33-2
TGI33-2 Bar-stock threaded thermowell						
WELL FORM						R4
R3	Straight	R4	Tapered	R5	Reduced tip	
R6	Partial taper					
WELL MATERIAL						S01
S09	ASTM A105	S01	AISI 304 SS	S02	AISI 316 SS	
S03	AISI 316L SS	S20	AISI 310 SS	S21	AISI 321 SS	
S22	AISI 446 SS	S06	Inconel 600	S25	Alloy 800	
S26	Alloy 800H	S10	Hastelloy C-276	S23	Inconel 625	
S24	Inconel 825	S05	Monel			
INSTRUMENT CONNECTION						P28
P23	¼" BSP (F)	P24	¼" NPT (F)	P27	½" BSP (F)	
P28	½" NPT (F)	P29	¾" BSP (M)	P30	¾" NPT (F)	
P38	M10 X 1.0 mm (F)	P39	M14 X 1.25 mm (F)	P40	M20 X 1.5 mm (F)	
PROCESS CONNECTION						P08
P05	3/8" BSP (M)	P06	3/8" NPT (M)	P07	½" BSP (M)	
P08	½" NPT (M)	P09	¾" BSP (M)	P10	¾" NPT (M)	
P11	1" BSP (M)	P12	1" NPT (M)	P13	1½" BSP (M)	
P14	1½" NPT (M)	P19	M14 X 1.25 mm (M)	P20	M20 X 1.5 mm (M)	
HEAD TYPE & SIZE						H25
HXX	Hex with XX mm A/F	LXX	Round with spanner slot and XX mm diameter			
LAGGING EXTENSION						050
XXX	35 mm to 350 mm					
IMMERSION LENGTH						00050
XXXXX	25 mm to 1000 mm					
PARTIAL TAPER / REDUCED TIP LENGTH						000
XXX	25 mm to 999 mm					
ROOT / TIP DIAMETERS						16-12.5
XX/XX	16 mm / 12.5 mm, 21 mm / 16 mm, 27 mm / 18 mm, etc.					
BORE DIAMETER						6.6
XX	6.6 mm, 7 mm, 8.5 mm, 10 mm, 11 mm, 13 mm					
TIP THICKNESS						05
XX	5 mm to 30 mm					
OTHER OPTIONS						XXX
E77	Plug & Chain in stainless steel	E17	Material test certificate 3.1	E21	Material test certificate 2.2	

Ordering Example : TGI33-2.R4.S01.P28.P08.H25/050.00050.05/16-12.5/6.6/05/XXX