

MAIN FEATURES

3 different shank styles
Solid bar-stock drilled design

SUGGESTED APPLICATIONS

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



**BAR-STOCK TYPE
FLANGED THERMOWELLS**

STANDARD DESCRIPTION

Design : ASME PTC 19.3: 2010
Well material : AISI 316 SS
Instrument connection : 1/2" NPTF
Process connection : 1 1/2" RF 150#
Bore diameter : Ø7 mm
Tip thickness : 5 mm
Lagging extension : 50 mm
Head diameter : Ø27 mm

PRODUCT SPECIFICATION

STRAIGHT SHANK VERSION [CODE : FST]

Shank style : Straight
Root diameter : Ø16 mm
Insertion ("U") length : 250 mm
Total length : 300 mm

TAPER SHANK VERSION [CODE : FTT]

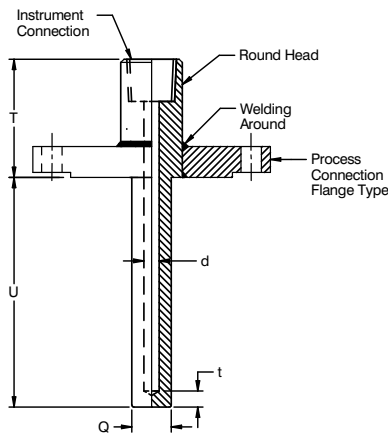
Shank style : Taper
Root diameter : Ø27 mm
Tip diameter : Ø18 mm
Insertion ("U") length : 250 mm
Total length : 300 mm

STEP SHANK VERSION [CODE : FSTE]

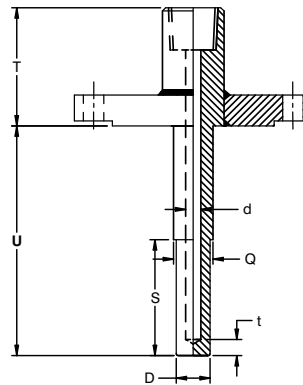
Shank style : Step
Root diameter : Ø21 mm
Tip diameter : Ø16 mm
Insertion ("U") length : 250 mm
Reduced tip length : 75 mm
Total length : 300 mm

DIMENSIONAL DRAWINGS

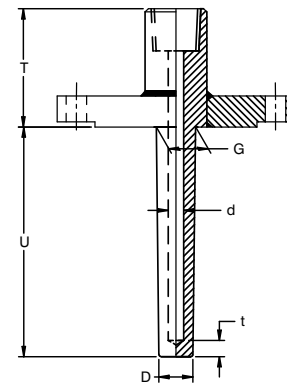
Straight Thermowell



Step Thermowell



Taper Thermowell



MODEL CODING

MODEL	-	WELL MATERIAL	FLANGE MATERIAL	/
FST = Straight shank FTT = Taper shank FSTE = Step shank		CST = ASTM A105 S04 = AISI 304 SS S10 = AISI 310 SS S16 = AISI 316 SS S6L = AISI 316L SS SSD = Duplex SS 2205 LF2 = ASTM A350 LF2	M40 = Alloy 400 N60 = Alloy 600 N62 = Alloy 625 N82 = Alloy 825 H76 = Hastelloy C-276 S46 = HRS 446 A20 = Alloy 20	CST = ASTM A105 S04 = AISI 304 SS S10 = AISI 310 SS S16 = AISI 316 SS S6L = AISI 316L SS SSD = Duplex SS 2205 LF2 = ASTM A350 LF2

INSTRUMENT CONNECTION	PROCESS CONNECTION	/	HEAD DIAMETER	LAGGING EXTENSION	TIP THICKNESS	/
F4N = 1/2" NPTF F4B = 1/2" BSPF F4M = M20 X 1.5 mm F5N = 3/4" NPTF F5B = 3/4" BSPF	XXX = Follow as per the the flange table		H27 = 27 mm H30 = 30 mm H35 = 35 mm HXX = Customer specific	T50 = 50 mm TXX = Customer specific	t5 = 5 mm t6 = 6.35 mm t1 = 10 mm tx = Customer specific	

MAJOR DIAMETER	MINOR DIAMETER*	BORE DIAMETER	/	INSERTION LENGTH	STEP LENGTH	/
Q25 = 25 mm Q27 = 27 mm Q30 = 30 mm QXX = Customer specific or WFC calculated	D18 = 18 mm D22 = 22 mm D25 = 25 mm DXX = Customer specific or WFC calculated	d7 = 7 mm d9 = 9 mm d1 = 11 mm d4 = 14 mm dx = Customer specific or WFC calculated		UXX = Customer Specific or WFC calculated	SXX = Customer specific or WFC calculated	

OTHER OPTIONS		
(PC) Plug & chain in SS	(IBR) IBR certification	(WFC) WFC as per PTC
(EP) Electro polishing	(MTC 2.2) Material test certificate 2.2	19.3TW:2010
(MTC) Material test certificate 3.1	(CCN) Tested to NACE standards	(RW) Radiography for welding
(DP) Dye penetration test	(OS) Certification for Oxygen service	(RC) Radiography for bore concentricity
(IGC) IGC test	(PT) Performance test certificate	(UT) Ultrasonic test
(HT) Hydro test certificate	(HS) Certification for Hydrogen service	

ORDERING EXAMPLE TW.FST.S16.S16-F4N-F35-H25-T50-t5-Q16-D16-d7

QUICK ORDER DETAILS / FEEDBACKS