

Introduction

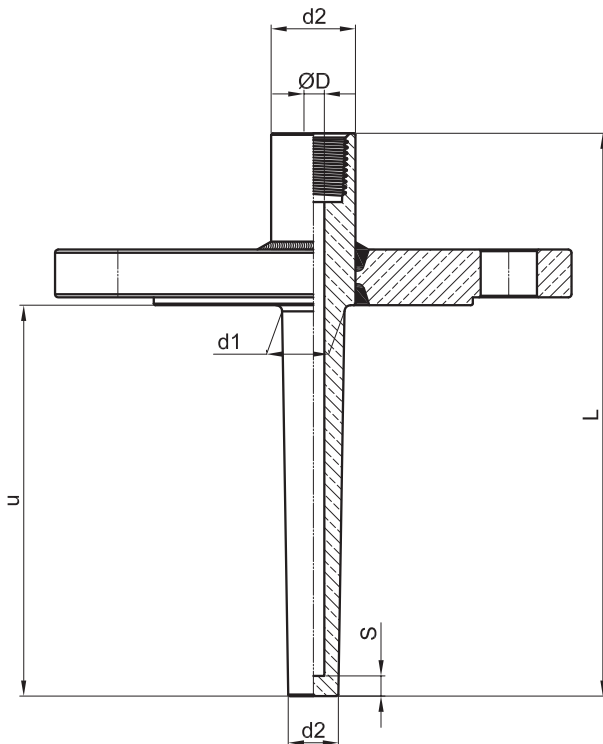
A thermowell is a thermally conductive socket recommended to:

- Protect the delicate instrument sensing element against corrosive effects.
- Permit instrument interchange or calibration check without disturbing or closing down the process.

Thermowells are available for high pressures, high temperatures and high velocity applications. Selected on the basis of pressure, temperature, flow, vibration and corrosion service parameters.



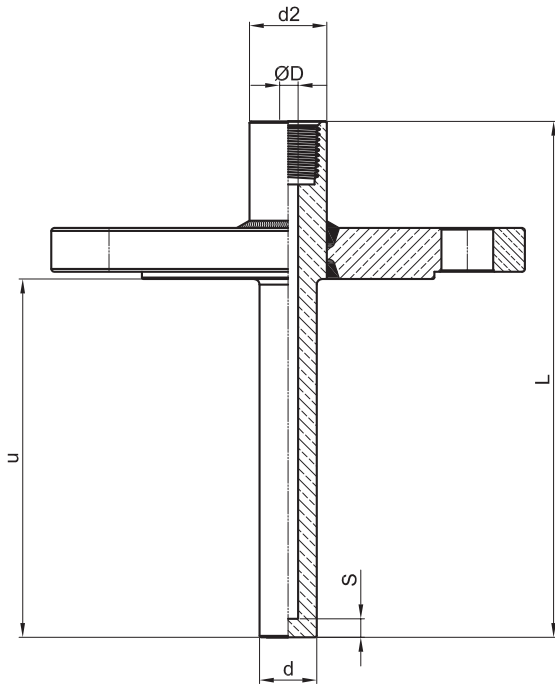
Model TWSF - tapered shank



Standard Dimensions (in mm)

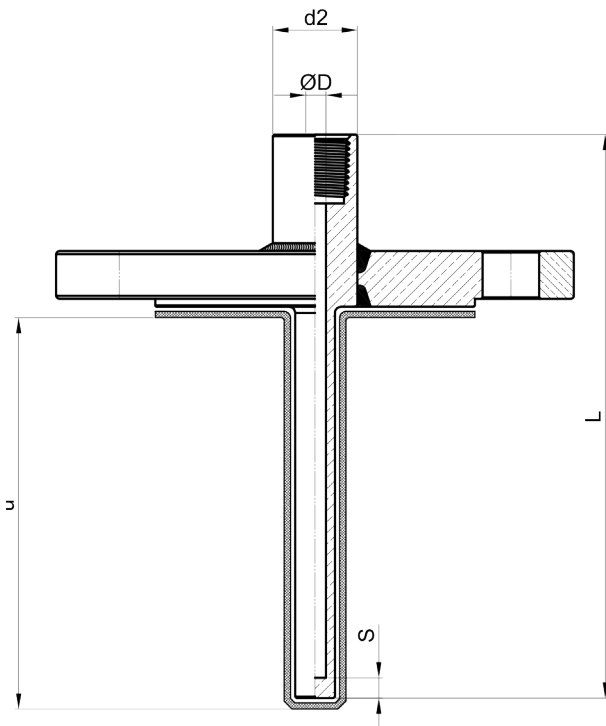
Size / Rating	Bore sizes Ø	Diameter		Hex
	D	d1	d	
1" to 2" 150 to 900 lbs	7	19	12.7	27
	9	15		
Other sizes on request				

Model TWSF - straight shank



Standard Dimensions (in mm)			
Size / Rating	Bore sizes Ø	Diameter	Hex
	D	d	
1" to 2"	7	12.7	
150 to 900 lbs	9	15	27
Other sizes on request			

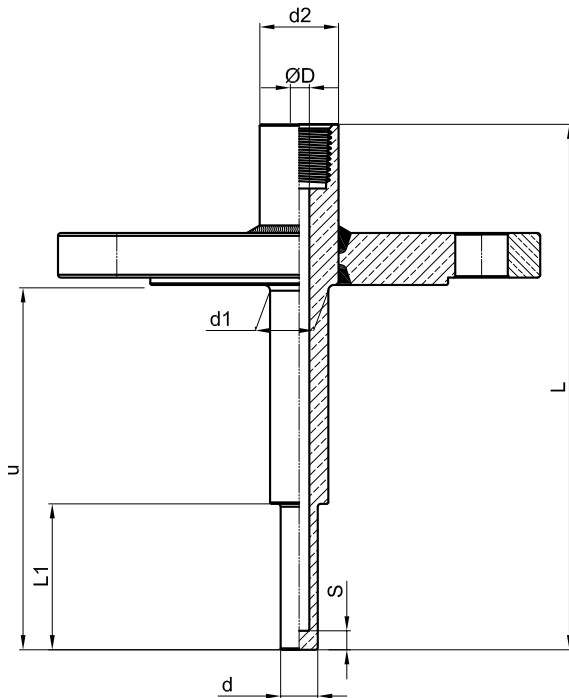
Model TWSF - straight protected shank



Standard Dimensions (in mm)			
Size / Rating	Bore sizes Ø	Diameter	Hex
	D	d	
1" to 2"	7	12.7	
150 to 900 lbs	9	15	27
Other sizes on request			



Model TWSF - stepped shank



Standard Dimensions (in mm)

Size / Rating	Bore sizes Ø		Hex	S	L1
	D	d1 d			
1" to 2" 150 to 900 lbs	7	12.7	27	6.5	70
	9	15			
Other sizes on request					

Connections

Instrument connection: BSPP / BSPT / NPT / Metric
Process connection: Raised Face / Ring Type Joint / Flat Face

Materials

- Standard materials: AISI 316 / 316-Ti / 304 / 321
- Special materials such as: Duplex / Monel 400 / Titanium / Nickel / Hastelloy C276 / Inconel 600 / PTFE

Options

- SS Tag wired to thermowell
- Plug and chain
- Seal welded, full penetration welded, one piece forged
- Coatings, FEP, PTFE, tantalum, tungsten carbide

Optional documentation

- Construction drawing
- Hydrostatic pressure test
- Dye penetrating test
- 3.1 material certificate
- Certificate according to NACE
- Heat number stamped on well and flange
- Wake frequency calculation to ASME PTC 19.3-1974

How to order

Please specify: model, shank type, material, instrument connection (F), bore (internal diameter), instrument insertion length (L), lagging extension (T), process connection (P), thermowell insertion length (U), options, certificates

Example: TWSF, straight shank, 316L, 1/2" BSPF (F), Ø7 mm bore, 150 mm (L), 0 mm (T), 1" BSPM (P), 100 mm (U)