



Flanged barstock thermowell - straight form and step-down shank



TW011-01

INFORMATIONS

Total length : up to 1100 mm

Bore diameter : 6,5 mm standard, other diameters available on request

Step-down shank to reduce the response time of the sensor

Flange according to international standard as EN 1092-1, DIN 2527, ASME/ANSI, other br>Instrumentation thread : G ½", ½" NPT, other (to be specified)

Material : Stainless steel, carbon steel, Inconel, Hastelloy, Monel.

Other material on request

Certificates : qualitative certificates (to be defined by the customer)

APPLICATIONS

Chemical and petrochemical industries, refineries

Heavy duty with severe chemical and mechanical conditions

Step down shank for faster response time

OPTIONS

Corrosion resistant coating (HALAR®, PFA, other) or abrasion resistant coating Wake frequency calculation to ASME PTC 19.3 is recommended in critical applications. Thermibel is able to calculate it for you.



Description	Standard	Your requirements

Immersion zone		
Material	☐ Carbon steel ☐ Stainless steel AISI316 L ☐ Heat resistant steel AISI 310 ☐ Other, please specify ☐ URANUS B6 (AISI 904L) ☐ Hastelloy C276 ☐ Inconel 600 ☐ Monel	
Insertion length U	☐ Indicate the required length (mm) flange not included	
External diameter F1 (at the root)	☐ Please indicate the diameter (mm)	
Outer diameter at the tip F2	☐ Please indicate the required diameter (mm)	
Longueur de l'extrémité réduite ER	☐ Please indicate the required length (mm)	
Bore diameter	☐ 6,5 mm (as standard) ☐ Other, please specify	
Surface finish	☐ None - stock finish as standard ☐ Other, please specify ☐ Electropolished - please indicate the roughness (Ra) ☐ Abrasion resistant coating - please specify ☐ ECTFE (Halar ®) corrosion-resistant coating ☐ PFA corrosion-resistant coating	
Flange standard	☐ ASME/ANSI with B16.5 raised face ☐ Other, please specify ☐ DIN 2527 with form C raised face ☐ EN 1092-1 with B1 raised face	
Flange material	☐ Other, please specify ☐ Same as thermowell shaft	

Nominal flange diameter (DN)	☐ Please specify	
Nominal flange pressure (PN)	☐ Please specify	

Intermediate zone

Neck length H (mm) - including flange thickness	☐ 6,5 mm (as standard) ☐ Other, please specify	
Diameter E of the extension	☐ Please indicate the required diameter (mm)	
Instrumentation thread	☐ G ½ ☐ ½ NPT ☐ Other, please specify	
Tag	☐ s.s. tag plate with P&ID number ☐ PVC tag plate with P&ID number ☐ Not required (standard)	

Other requirements

Certificates (option)	☐ Stress calculation according to ASME PTC 19.3 (mandatory process data : Pressure, Temperature, fluid velocity, density and viscosity) ☐ Conformity certificate ☐ Dye penetration test ☐ Material certificate according to EN 10204 3.1 ☐ Ultrasonic concentricity test ☐ External pressure test ☐ Internal pressure test ☐ WPS/WPA ☐ Thermowell drawing ☐ PMI (positive material identification) ☐ X-ray analysis	
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