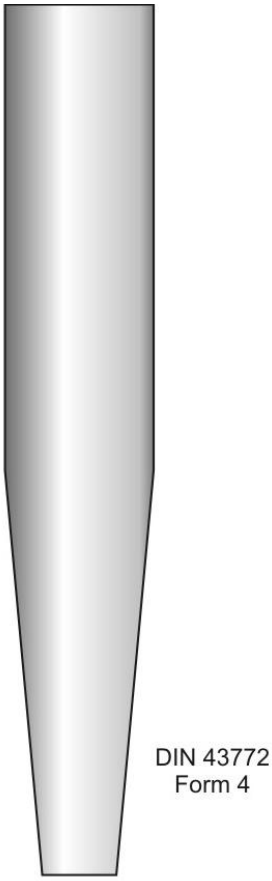
Weld-in barstock thermowell according to DIN 43772 Form 4



TW007-01

INFORMATIONS

Heavy duty weld-in barstock thermowell
Dimensions : according to DIN 43772 standard – refer to the drawing of the technical data sheet
Material :Stainless steel AISI 316, AISI 316TI, carbon steel A105, 16Mo3, 13CrMo4-5, others 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

OPTIONS

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	❍ 13CrMo4-5 ❍ 16Mo3 ❍ Carbon steel A105 ❍ Stainless steel AISI316 Ti ❍ Stainless steel AISI316 L ❍ Other, please specify	
Longueur totale L et longueur d'insertion (conique) U	❍ L = 110 mm / U = 65 mm ❍ L = 110 mm / U = 73 mm ❍ L = 140 mm / U = 65 mm ❍ L = 170 mm / U = 133 mm ❍ L = 200 mm / U = 65 mm ❍ L = 200 mm / U = 125 mm	
Diamètre de perçage d1 / diamètre nominal F2 / Diamètre à l'extrémité F3 et raccord instrumentation N	❍ d1 = 3,5 mm / F2 = 18 h7 / F3 = 9 mm / N = M14x 1,5 ❍ d1 = 7 mm / F2 = 24 h7 / F3 = 12,5 mm / N = M18 x 1,5 ❍ d1 = 7 mm / F2 = 26 h7 / F3 = 12,5 mm / N = G ½ ❍ d1 = 9 mm / F2 = 26 h7 / F3 = 15 mm / N = G ½ ❍ d1 = 11 mm / F2 = 32 h11 / F3 = 17 mm / N = G¾ ❍ d1 = 13 mm / F2 = 32 h11 / F3 = 19 mm / N = G¾ ❍ d1 = 14 mm / F2 = 32 h11 / F3 = 20 mm / N = G¾	
Tag	❍ Not required (default) ❍ Stainless steel tag with P&ID ❍ PVC tag with P&ID	

Other requirements		

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