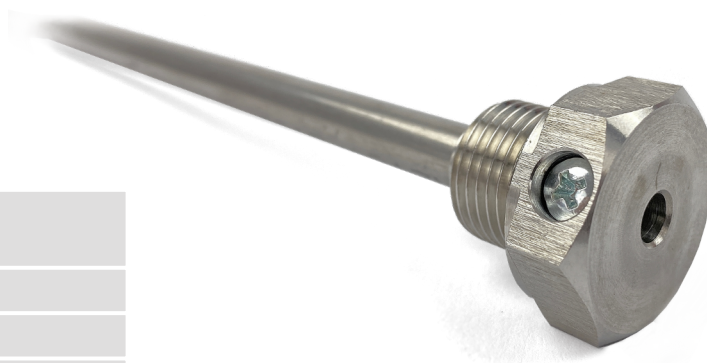


TJ1

THERMOWELLS FOR TEMPERATURE SENSORS

Thermowells are provided to protect the basic sensor from mechanical damage and corrosion. Thermowells are designed to be screwed into the weld-on piece. The inserted sensor is fixed in the thermowell with a fixing screw.



General Information (Table TJ1.1)

	Max. working temperature	550 °C
	Max. working pressure	40 bar
①	Tube	
	Material	Stainless steel 1.4541
②	Fitting	
	Material	Stainless steel 1.4305
③	Fixing screw	
	Material	Stainless steel

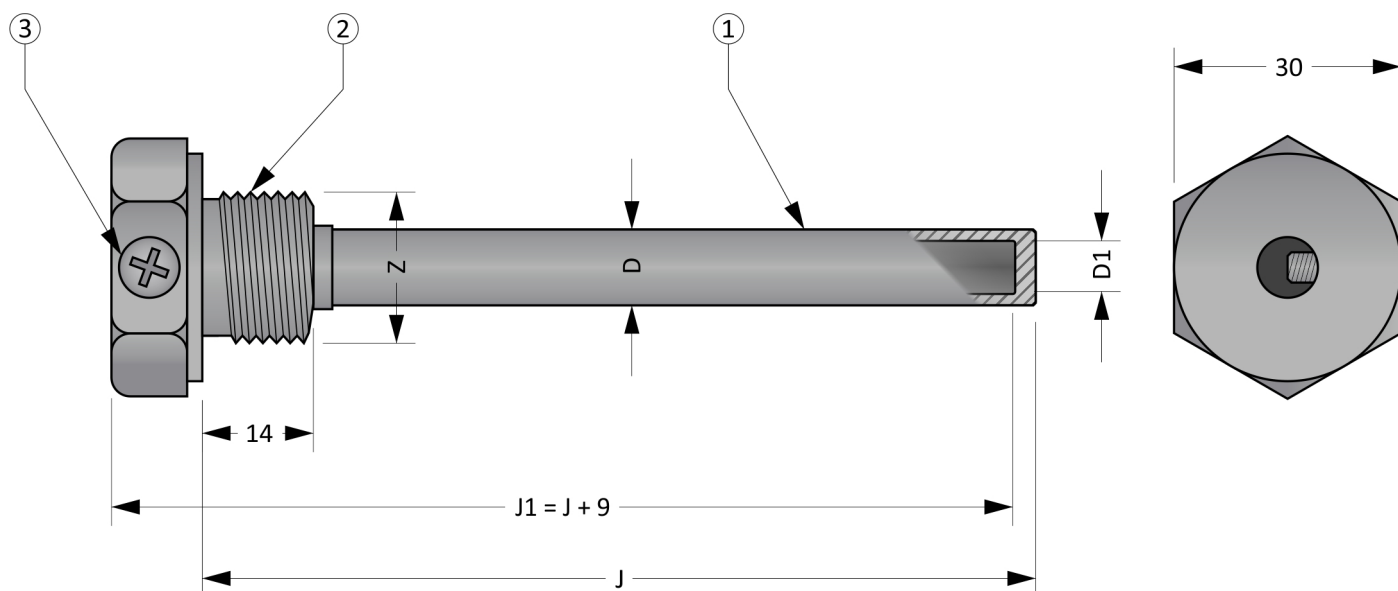


Figure TJ1.1: TJ1

Optional Parameters Including the Creation of an Order Code (Table TJ1.2)

Pos.	Code	TJ1 - ① ② - ③
①	Type of external thread	
	1	Z = G½", OK30
	2	Z = M20 x 1,5, OK30
②	Tube diameter [mm]	
	1	D = 8,0 mm, D1 = 6,0 mm
	2	D = 10,0 mm, D1 = 8,0 mm
	3	D = 10,0 mm, D1 = 7,0 mm
③	Tube length J [mm]	
	xxx	Selectable range from 30 to 2000 mm (in 1 mm increments)

Order code example: TJ1-11-300
 ... Z = G½", OK30
 ... D = 8,0 mm, D1 = 6,0 mm
 ... Tube length J = 300 mm

Approximate weight of the product: TJ1-11-300 ... 0,4 kg

Length Tolerances (Table TJ1.3)

Length J	Length tolerance J	Length tolerance J1
≤ 1500 mm	± 2 mm	± 2 mm
1500 mm < J ≤ 2000 mm	± 3 mm	± 3 mm

Diameter tolerance (Table TJ1.4)

Diameter tolerance D	Diameter tolerance D1
± 0,1 mm	± 0,1 mm

Installation And Operating Instructions

The thermowell is screwed into the prepared welded-on piece. The sensor is then inserted into the thermowell and fixed with a fixing screw.