

Product data sheet

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ATW040 - THREADED THERMOWELL



Product features:

- Provides isolation between the temperature instrument and the process media
- Allows the instrument to be removed without draining the system
- Manufactured from solid bar stock
- Suitable for dial thermometers
- Various bore diameters to suit a wide range of temperature sensors.
- Stainless steel 304, 316, 316L, Monel or Hastelloy C, Inconel materials available
- Straight, stepped, or tapered design
- Wake frequency calculation optional
- **Brannan** quality

Product applications:

- Oil and gas.
- Chemical and Petrochemical
- Power generation
- Water & wastewater
- Other process applications

Product specifications:

Type	Threaded thermowell (please contact us for flanged or weld type thermowells)
Design	Straight, stepped or tapered
Thermowell length	On request
Internal bore diameter	6.6mm, 10.5mm or 12.5mm (others on request)
Process/Instrument connection	Male x Female
Connection size / type	1/2" BSP/BSPT/NPT
Pressure / temp rating	620 bar @ 20°C to 175 bar @ 650°C (dependent on thermowell specification)
Material	SS 304, SS 316, SS 316L, Hastelloy-C, Monel, Inconel

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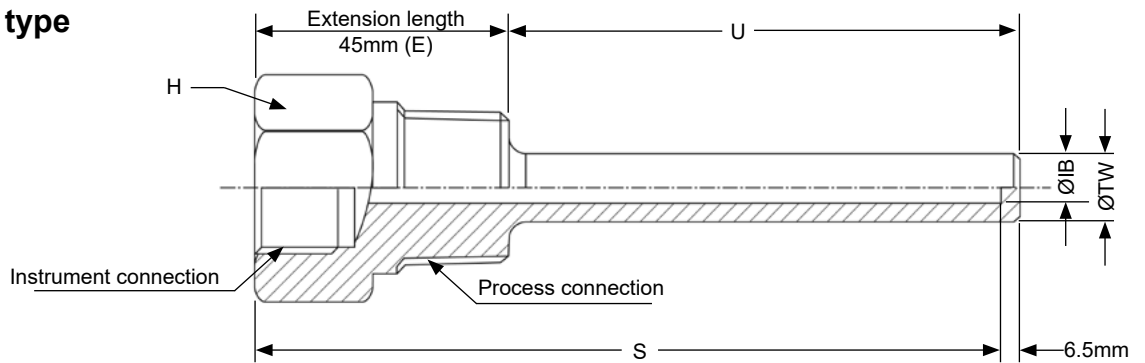
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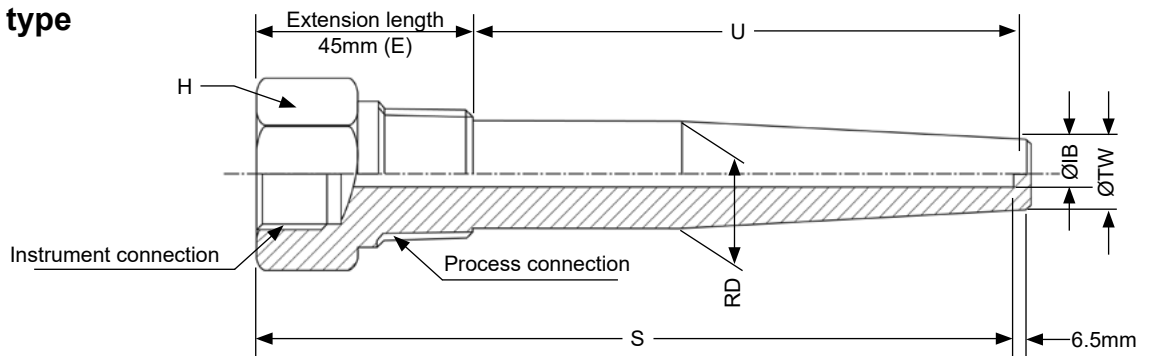
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Product dimensions:

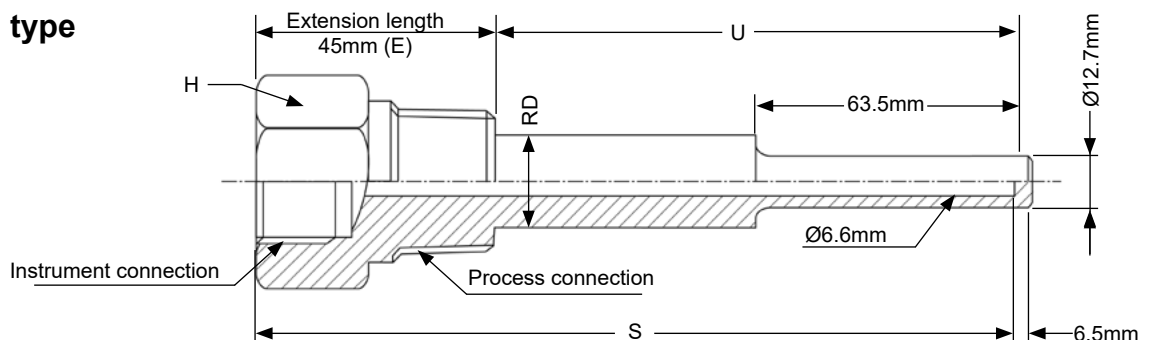
ATW040 - Straight type



ATW040 - Tapered type



ATW040 - Stepped type



Internal bore diameter (ØIB)	Connection size	RD	Thermowell diameter (ØTW)	Hex
6.6mm	1/2"	17.5mm	12.5mm	28mm
10.5mm	1/2"	17.5mm	17.5mm	28mm

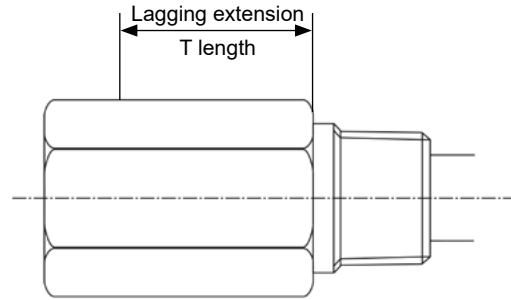
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ATW040 - Optional lagging extension



Product numbers:

All ATW040 thermowells are ordered to specific customer specifications. Please use below matrix to create your unique ordering product reference, using the values in bold.

Make	Model	Design	Material	Internal bore diameter	Thermowell Insertion length (U)	Extension length/lagging extension (E/T)	Connection size & type	Extras
Brannan (BRN)	ATW040 (ATW40)	Straight (STR)	SS304 (304)	6.6mm (6.6)	e.g. (100) for 100mm	Standard 45mm (STD) For lagging extension, please specify in mm's ie standard 45mm extension + 70mm lag (STD+70)	1/2" F x 1/2" M BSP (7)	Compliance to NACE MR-0175 (NACE) Materials test certificate (MTC) Wake frequency calculation ASM PTC 19.3 (WFC) NB. When more than one extra is required, separate each code with a hyphen when building your product reference.
		Stepped (STE)	SS316 (316)	10.5mm (10.5)			1/2" F x 1/2" M NPT (8)	
		Tapered (TAP)	SS316L (316L)	12.5mm (12.5)			1/2" F x 1/2" M BSPT (12)	
			Monel (MON)				1/2" F x 1" M NPT (21)	
			Hastelloy C (HAS)					
Inconel (INC)								
		Others available on request						

Order example:

Make	Model	Design	Material	Internal bore diameter	Thermowell Insertion length (U)	Extension length/lagging extension (E/T)	Connection size & type	Extras
BRN	ATW40	STR	316	6.6	100	STD	8	NACE-MTC

Product reference: BRNATW40/STR/316/6.6/100/STD/8/NACE-MTC