


# 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:

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

# Product data sheet

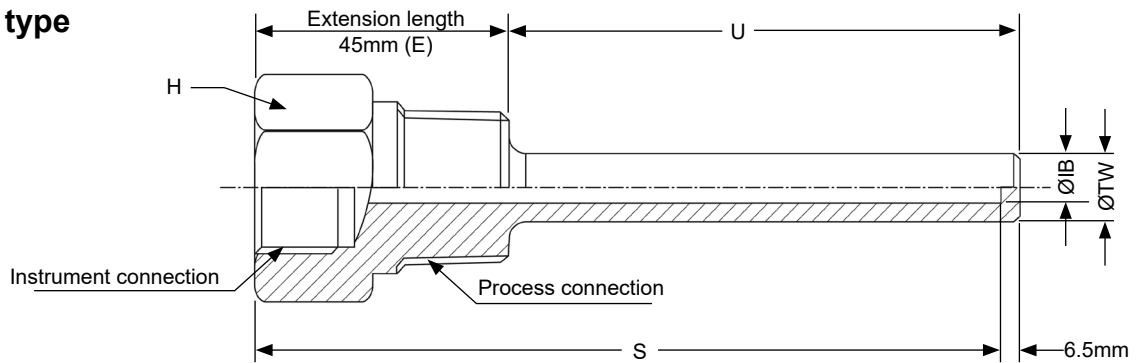
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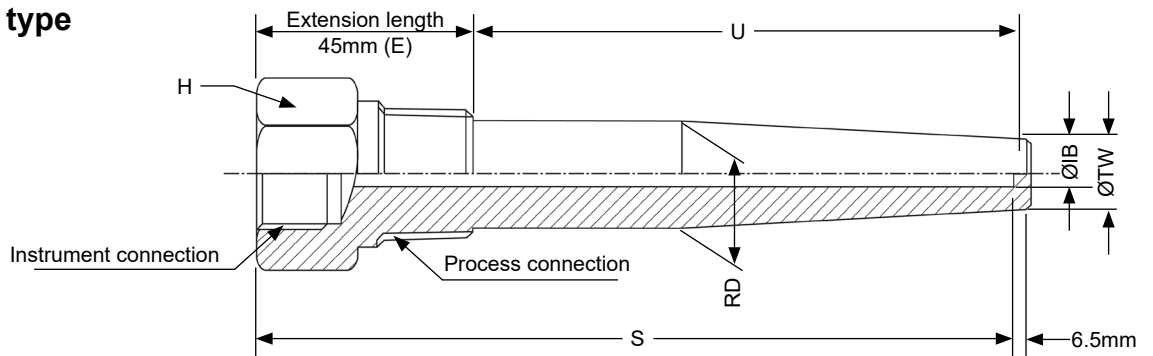
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## Product dimensions:

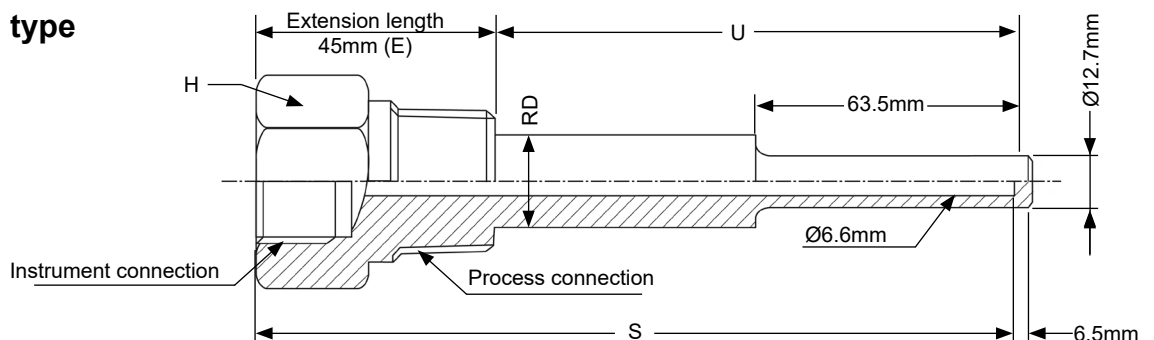
### ATW040 - Straight type



### 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

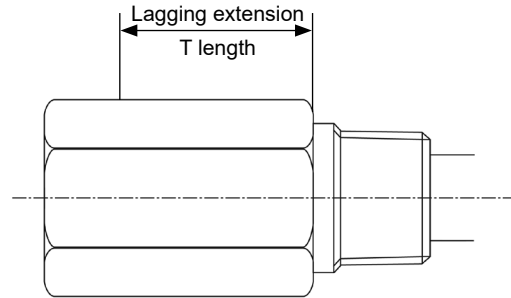
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## ATW040 - Optional lagging extension



### 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)	1/2" F x 1/2" M BSP (7)	Compliance to NACE MR-0175 (NACE)
		Stepped (STE)	SS316 (316)	10.5mm (10.5)		For lagging extension, please specify in mm's ie standard 45mm extension + 70mm lag (STD+70)	1/2" F x 1/2" M NPT (8)	Materials test certificate (MTC)
		Tapered (TAP)	SS316L (316L)	12.5mm (12.5)		1/2" F x 1/2" M BSPT (12)	Wake frequency calculation ASM PTC 19.3 (WFC)	
			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