

# Product data sheet

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## ATW041 - FLANGED THERMOWELL



### Product features:

- Heavy duty design
- 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, Duplex, or Hastelloy C, Inconel materials available
- Straight, stepped, or tapered design
- Flange welded to shank
- 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>	Flanged thermowell
<b>Design</b>	Straight, stepped or tapered – flange welded on solid bore shank
<b>Thermowell length</b>	On request
<b>Internal bore diameter</b>	6.6mm, 10.5mm or 12.5mm (others on request)
<b>Instrument connection</b>	1/2" BSP / NPT F
<b>Process connection (ASME B16.5)</b>	1", 1 1/2", 2" or 3"
<b>Pressure class (lbs)</b>	150, 300, 600, 900 or 1500
<b>Facing</b>	Raised face, flat face or ring joint type
<b>Material</b>	SS 304, SS 316, SS 316L, Hastelloy-C, Monel, Inconel

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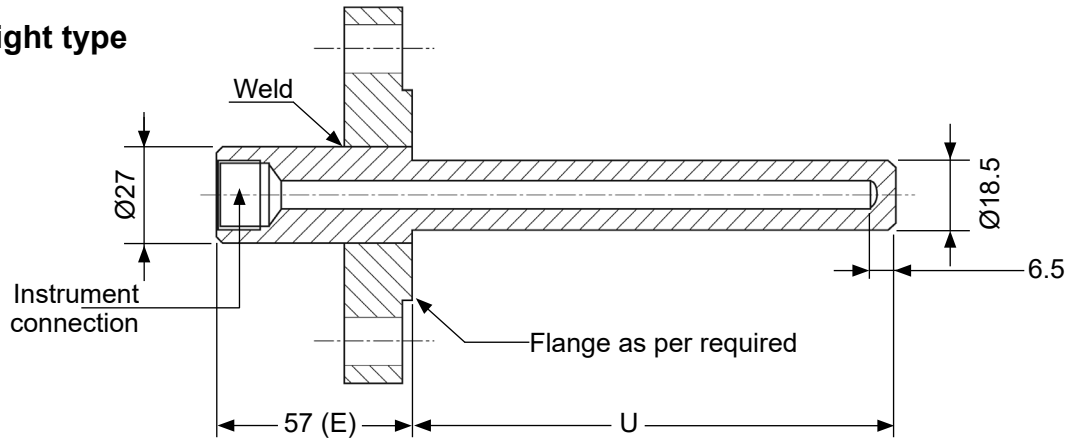
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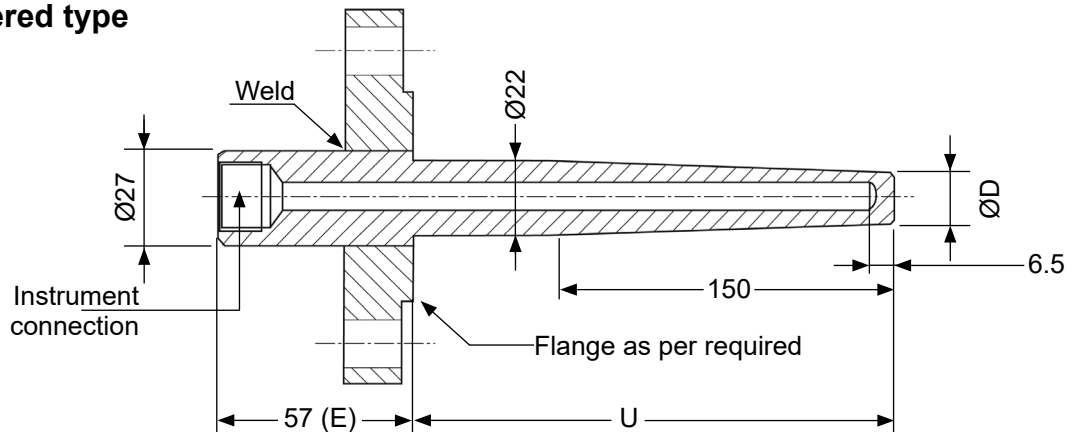
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## Product dimensions:

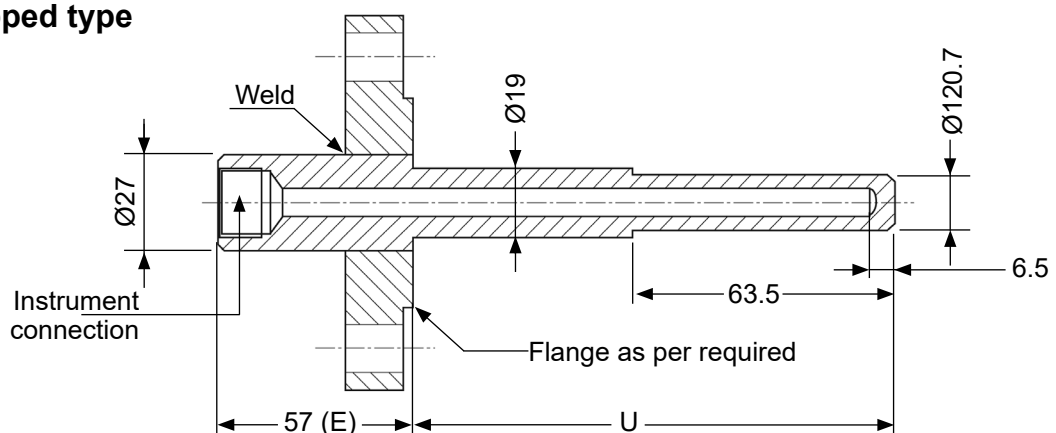
### ATW041 - Straight type



### ATW041 - Tapered type



### ATW041 - Stepped type



# Product data sheet

## Product numbers:

All ATW041 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	Process connection	Flange facing	Pressure class	Material	Internal bore diameter	Thermowell Insertion length (U)	Extension length (E)	Instrument connection	Extras
Brannan (BRN)	ATW041 (ATW41)	Welded flange straight shank (STR)	1" (1)	Raised face (RF)	150lbs (150)	SS304 (304)	6.6mm (6.6)	e.g. (100) for 100mm	Standard 57mm (STD)  For other lengths, specify in mm, e.g. (50) for 50mm	1/2" 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.
			1 1/2" (1.5)	Flat face (FF)	300lbs (300)	SS316 (316)	10.5mm (10.5)			1/2" NPT (8)	
		Welded flange stepped shank (STE)	2" (2)	Ring joint type (RJ)	600lbs (600)	SS316L (316L)	12.5mm (12.5)				
			3" (3)		900lbs (900)	Monel (MON)					
			4" (4)		1500lbs (1500)	Hastelloy-C (HAS) Inconel (INC) Duplex SS (DUP)  Others available on request					
Welded flange tapered shank (TAP)											

## Order example:

Make	Model	Design	Process connection	Flange facing	Pressure class	Material	Internal bore diameter	Thermowell Insertion length (U)	Extension length (E)	Instrument connection	Extras
BRN	ATW41	TAP	2	RF	150	316	6.6	230	STD	7	

Product reference: BRNTW41/TAP/2/RF/150/316/6.6/230/STD/7