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Weld-in Thermowells

FEATURES

- One piece bar stock construction
- Stamped with mill traceable material and heat number
- Testing and certifications including Wake Frequency Calculations per ASME PTC 19.3 TW-2016
- Standard or customized shank dimensions

TYPICAL USES

- Chemical and petrochemical plants
- Water and wastewater pressure control
- Pharmaceutical / Biotech
- Food and beverages

Weld-in Thermowells
1½″ weld-in sizes

SPECIFICATIONS	
Shank Style:	Tapered
Process Connection:	1½″
Instrument Connection:	½ NPSM, ½ NPT Female
Bore Size:	0.260″, 0.385″
Surface Finish:	16-32 RA
Lagging:	2″: if U-dimension is <3″ 3″: if U-dimension is >3″
Cap and Chain:	Brass, stainless steel

KEY BENEFITS

- **Protects instrument against corrosive effects and physical damage caused by media flow**
- **Permits instrument interchange or calibration check without disturbing/closing down the process**
- **Tracing of material origin for quality assurance and control**

TABLE 1

OPTIONS	CODE
Stamp tag number on thermowell	NF
Stainless steel tag wired to thermowell	NH
Hydrostatic test-internal	W9
Clean for oxygen service	6B
Wake frequency calculation	W5
Material origin restriction	UM
Certificates	
Certificate of Conformance (per order)	CD-1A
Physical and Chemical Material Test Report (MTR's)	W6
Positive Material Identification (PMI) N/A Carbon Steel	MQ
NACE Certificate of Compliance	CD-5

TABLE 2

MATERIALS	CODE
304 Stainless steel	C
316 Stainless steel	S
Monel®	M
Hastelloy® B/C	G/H
Carpenter® 20	D
Chrome Moly F11/F22	FA/FB
Duplex 2205 S/S	J
Super Duplex S32750	SD
Iconel® 600	W
Titanium	TI
Carbon Steel	B

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ORDERING CODE Example:	15	W	0450		L	H	W	260	SL	1	XNF	L0350
Process Connection Size												
15 - 1½″	15											
Thermowell												
W - Thermowell		W										
U-Process Insertion Length												
0250 - 2½″												
0450 - 4½″			0450									
0750 - 7½″												
1050 - 10½″												
1350 - 13½″												
1650 - 16½″												
2250 - 22½″												
Instrument Connection												
Blank - ½ NPSM												
2 - ½ NPT Female												
T-Lagging												
Blank - No lagging												
L - Lagging (For special lag length, see below)					L							
Shank Type												
H - Tapered						H						
Process Connection												
W - Weld in							W					
D-Bore Diameter												
260 - 0.260″								260				
385 - 0.385″												
Material (Refer to Table 2)												
CL - 304 Stainless steel												
SL - 316 Stainless steel									SL			
Cap and Chain												
Blank - No cap and chain												
1 - Brass										1		
2 - Stainless steel												
Options - (see Table 1 on page 1 for additional options (If choosing an option(s) must include an "X")											X__	
NF - Stamp tag number on thermowell											NF	
Special Lagging Length												
L - Lagging length × 100 (ex: 3.5″ × 100 = L0350)												L0350

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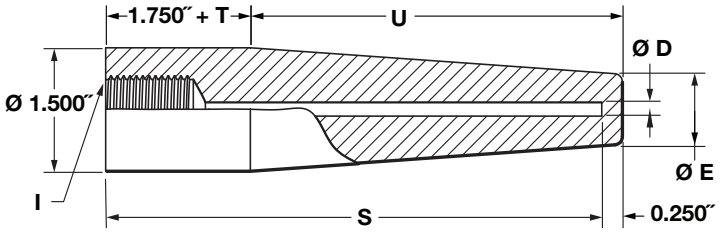
DIMENSIONS

For reference only, consult Ashcroft for specific dimensional drawings



DIMENSION (Inches)	
S	U
4	2½
6	4½
9	7½
12	10½
15	13½
18	16½
24	22½

Weld-In	
D	E
0.260″	0.625″
0.385″	0.766″

Thermowell Legend
I - Instrument connection (½″ NPSM STD.)
E - Tip O.D.
D - Bore diameter
U - Insertion depth
S - Instrument stem length or bore depth