ASHCROFT®
Trust the shield.®

Socket Weld 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

Socket Weld Thermowells
¾″, 1″ socket weld sizes

SPECIFICATIONS	
Shank Style:	Tapered, straight, or stepped
Process Connection:	¾″, 1″
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
CRN stamped on thermowell (includes W5)	UH
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

ASHCROFT®
Trust the shield.®

Socket Weld Thermowells

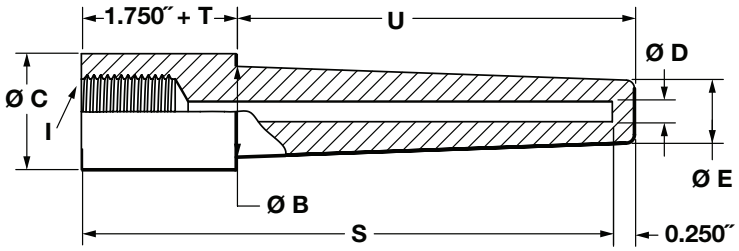
ORDERING CODE Example:	75	W	0450	L	H	S	260	S	1	XNF	L0350
Process Connection Size											
75 - ¾″ (socket weld only)	75										
10 - 1″ (socket weld only)											
Thermowell											
W - Thermowell		W									
U-Process Insertion Length											
0250 - 2½″											
0450 - 4½″			0450								
0750 - 7½″											
1050 - 10½″											
1350 - 13½″											
1650 - 16½″											
2250 - 22½″											
I-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						
S - Straight											
R - Stepped											
Process Connection											
S - Socket weld						S					
D-Bore Diameter											
260 - 0.260″							260				
385 - 0.385″											
Material (Refer to Table 2)											
C - 304 Stainless steel											
S - 316 Stainless steel								S			
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

ASHCROFT®
Trust the shield.®

Socket Weld Thermowells

DIMENSIONS

For reference only, consult Ashcroft for specific dimensional drawings



Socket Weld Tapered - 0.260 & 0.385 Bore					
Pipe Size	C	B 0.260 Bore	B 0.385 Bore	E 0.260 Bore	E 0.385 Bore
¾″	1.05″	0.78″	0.87″	0.625″	0.766″
1″	1.315″	1.03″	1.03″	0.625″	0.766″

DIMENSION (Inches)			PART NUMBER	
P	S	U	¼″ Bore	⅜″ Bore
¾ 1	4	2½	75W0250HS260 10W0250HS260	75W0250HS385 10W0250HS385
¾ 1	6	4½	75W0450HS260 10W0450HS260	75W0450HS385 10W0450HS385
¾ 1	9	7½	75W0750HS260 10W0750HS260	75W0750HS385 10W0750HS385
¾ 1	12	10½	75W1050HS260 10W1050HS260	75W1050HS385 10W1050HS385
¾ 1	15	13½	75W1350HS260 10W1350HS260	75W1350HS385 10W1350HS385
¾ 1	18	16½	75W1650HS260 10W1650HS260	75W1650HS385 10W1650HS385
¾ 1	24	22½	75W2250HS260 10W2250HS260	75W2250HS385 10W2250HS385

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