

AT34 HELICAL THERMOWELL

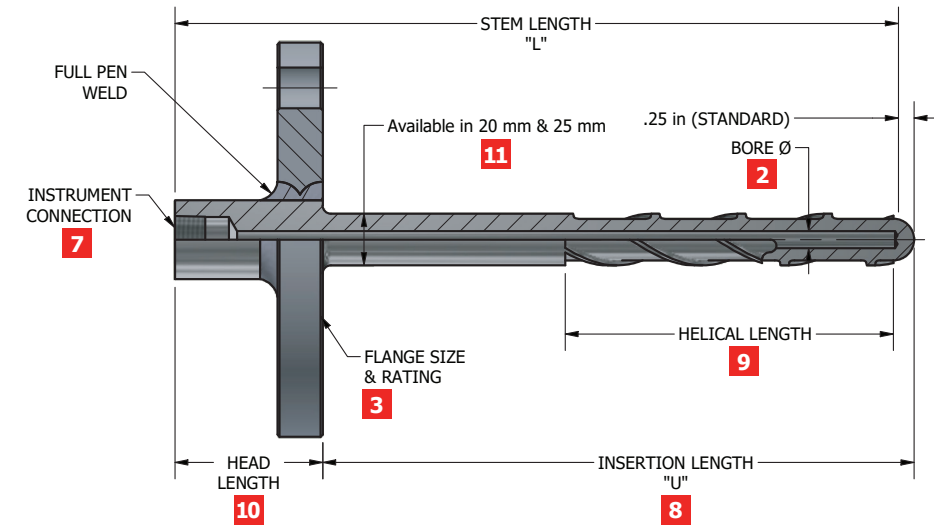
As a pioneer and global leader in manufacturing thermowells, we ensure the highest quality and precision in every instrumentation piece we manufacture. Whether they are custom-made for highly specialized measurements or they are standard configuration, each and every thermowell is built to meet or exceed accepted standards.

The helical thermowell features VE Technology supplied by Mac-Weld Machining, which will optimize the performance and durability in high-pressure flow applications.

The helical thermowells are designed to withstand high velocity flow applications, where standard thermowells would often fail.



Featuring
VE Technology
Supplied by **MACWELD**



Please note: Various configurations may not be available. American Thermowell will notify you if you have selected an incompatible part combination.

AT34	A	DK	C	L2	L2	AA	01750	10000	02250	1060	0625	I
1	2	3	4	5	6	7	8	9	10	11	12	13

1	Thermowell Style	
Code	Description	
AT04	Helical - Threaded	
AT24	Helical - Socket-Weld	
AT34	Helical - Flange	
AT64	Helical - Vanstone	

2	Bore Size	
Code	Description	
A	0.260	
B	0.385	
C	0.515	
D	0.203	
E	0.375	
F	0.390	
G	0.343	
M	0.406	
N	0.280	
O	0.302	
P	0.312	
R	0.275	
U	0.394	
V	0.354	
X	0.437	

Custom sizes, connections and materials may not be listed, contact American Thermowell today to find out more.

OPTIONS

- Brass Plug & Chain
- Stainless Plug & Chain
- Dye Penetrant Test
- Internal & External Hydrostatic Testing
- Material Test Report (MTR)
- PMI
- and more.....

3	Flange Size & Rating	
Code	Description	
CK	1" 150#	
CL	1" 300#	
CM	1" 600#	
CN	1" 900#-1500#	
CO	1" 2500#	
CU	1-1/2" 150#	
CV	1-1/2" 300#	
CW	1-1/2" 600#	
CX	1-1/2" 900#-1500#	
CY	1-1/2" 2500#	
CZ	2" 150#	
DA	2" 300#	
DB	2" 600#	
DC	2" 900#-1500#	
DD	2" 2500#	
DD	2" 2500#	
DJ	3" 150#	
DK	3" 300#	
DL	3" 600#	
DM	3" 900#	
DN	3" 1500#	
DO	3" 2500#	
DP	4" 150#	
DQ	4" 300#	
DR	4" 600#	
DS	4" 900#	
DT	4" 1500#	
DU	4" 2500#	
DV	5" 150#	
DW	5" 300#	
DX	5" 600#	
DY	5" 900#	
EB	6" 150#	
EC	6" 300#	
ED	6" 600#	
EE	6" 900#	
EH	8" 150#	
EI	8" 300#	
EN	10" 150#	
EQ	10" 900#	
ET	12" 150#	
EV	12" 600#	

4	Flange Facing	
Code	Description	
A	FF (flat face)	
B	RF (raised face)	
C	RTJ (ring type joint)	
D	RTF (RTJ no groove)	
E	HH (High Hub)	
F	DBRF (Double Raised Face)	
G	DIN 2526 Form E	
H	DIN 2526 Form N	
I	DIN 2526 Form F	
J	EN 1092-1 Form B1	
K	EN 1092-1 Form B2	
L	EN 1092-1 Form C	
M	EN 1092-1 Form D	

5	Stem Material	
Code	Description	
L2	316/316L	
H2	304/304L	
H3	304H	
K2	310/310H	
L3	316H	
J1	317	
J3	317L	
M2	321/H	
M3	RA330	
N2	347/H	
N3	410	
N4	446	
N5	HR160	
S3	904L	
S4	AL-6XN	
S2	Alloy 20	
S1	Alloy 200	
R1	Alloy 400	
P1	Alloy 600	
P3	Alloy 601	
P2	Alloy 625	
Q3	Alloy 800/H/HT	

5	Stem Material (Continued)	
Code	Description	
Q1	Alloy 825	
U2	Alloy B2	
U3	Alloy B3	
U4	Alloy C-22	
U1	Alloy C-276	
R2	Alloy K500	
U5	Alloy X	
E1	Carbon Steel ASTM A105	
D2	Carbon Steel W44	
D4	Carbon Steel A516Gr70	
G1	Chrome-M-Moly F22	
F1	Chrome-Moly-F11	
F6	Chrome-Moly-F5	
F7	Chrome-Moly-F9	
F8	Chrome-Moly-F91	
Y2	CPVC	
F2	Duplex F51/2205	
E2	LF2	
B1	Naval Brass	
Y1	PVC	
F4	Stainless F44/254 SMO	
F3	Super Duplex F53/2507	
F5	Super Duplex F55	
W1	Teflon	
T1	Ti Gr2	
T2	Ti Gr5	
T3	Ti Gr7	
Z1	Zirc 702	

6	Flange Material	
Code	Description	
*See stem material list [5] for available flange material choices.		

7	Instrument Connection	
Code	Description	
AA	1/2" NPT	
AB	3/4" NPT	
AC	1" NPT	
AD	1-1/4" NPT	
AE	1-1/2" NPT	
AF	1/2" NPSM	
AG	G 1/2 male	
AH	G 3/4 B male	
AI	G 3/4 male	
AJ	M14 x 1.5 female	
AK	M18 x 1.5 female	
AL	M20 x 1.5 female	
AM	M20 x 1.5 male	
AN	M24 x 1.5 female	
AO	M24 x 1.5 male	
AP	M27 x 2.0 female	
AQ	M27 x 2.0 male	
BA	3/4" Pipe (1.05" Dia)	
BB	1" Pipe (1.315" Dia)	
BC	1-1/4" OD	
BD	1-1/2" OD	
BE	1-3/4" OD	
BF	1-1/4" Pipe (1.660" Dia.)	
BG	1-1/2" Pipe (1.900" Dia.)	
BH	1/2" Pipe (0.840" Dia.)	
AV	5/8" - 18 UNF	
AW	3/4" - 16 UNF	
AX	7/8" - 14 UNF	
AY	1" - 14 UNF	
AZ	3/8" NPT	

8	Insertion Length	
Code	Description	
xxxx	Imperial: 6.500" = 06500 Metric: 165.1 mm = 01651	
*U length =>100,000" or 10,000.0mm see sales person for custom part number		

9	Helical Length	
Code	Description	
xxxx	Imperial: 3.25" = 02250 Metric: 82.6 mm = 00826	

10	Head Length	
Code	Description	
xxxx	Imperial: 2.25" = 02250 Metric: 57.2 mm = 00572	

11	Root Diameter	
Code	Description	
xxxx	Imperial: 0.875" = 0875 Metric: 22.2 mm = 0222	

12	Tip Diameter	
Code	Description	
xxxx	Imperial: 0.500" = 0500 Metric: 12.7 mm = 0127	

13	Measurement	
Code	Description	
I	Imperial	
M	Metric	

- Notes:**
- Currently only 2 stem OD's available; 20mm & 25mm. (Only available in straight stem)
 - Max helical length of 16"

American Thermowell has provided quality thermowells since 1991.



American Thermowell

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