FS22 Flanged StrakeWell™

Overview

The Aircom StrakeWell™ is a specialized thermowell designed to significantly suppress vortex-induced vibration (VIV) on thermowell shanks.

Features:

- Robust design
- Validated by research and CFD analysis
- Flexibility for custom designs

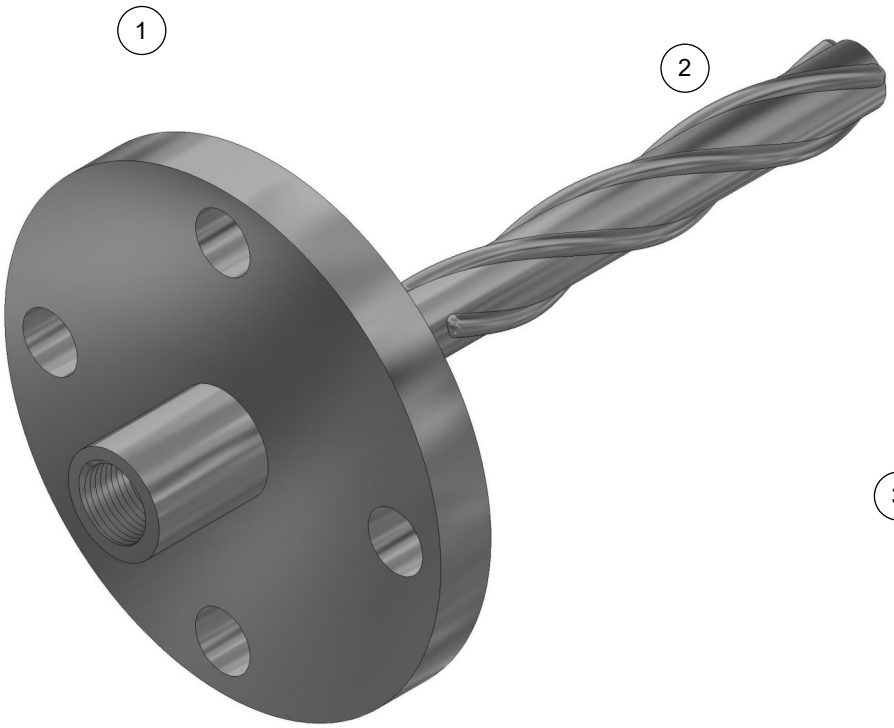
Application:
The StrakeWell™ is used in applications where a standard tapered smooth surface thermowell does not meet the requirements of ASME PTC 19.3 standards.

FS22

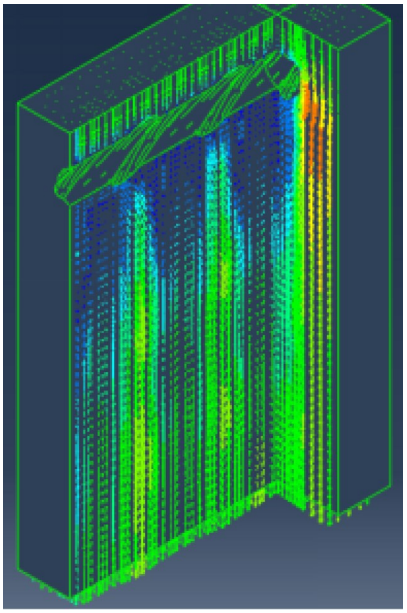
1. Thermowell design is selected following standard industry best practices.

2. Helical Strakes are deposited on to the thermowell shank by a laser beam direct energy deposition (DED) process. The helical strake geometry used by Aircom has been proven to significantly suppress VIV.

3. Computational fluid dynamics (CFD) is used to validate performance under the specific process parameters provided.



3



Aircom Instrumentation Ltd.
9328 - 37 Avenue NW
Edmonton, AB T6E 5K3
Ph: (780) 434-6916
Sales@AircomInstrumentation.com
www.AircomInstrumentation.com

FS22 Flanged StrakeWell™ Model Code

FS22 - T1 - T2 - T3 - T4 - T5 - T6 - T7 - T8 - T9

FS22	StrakeWell - 0.260" Bore - Flanged

T1	Thermowell Stem & Helical Strake Material		
316	**316/316L stainless**	HAC	Hastelloy C276
625	Inconel 625	Other[2] Consult factory	

T2	Process Connection	Nominal Pipe OD
1"	1" NPS	1.315"
1.5"	1.5" NPS	1.900"
2"	2" NPS	2.375"
Other Consult factory		

T3	Flange Class per ASME B16.5
150#	Class 150
300#	Class 300
600#	Class 600
900#	Class 900
1500#	Class 1500
2500#	Class 2500

T4	Flange Face
RF	**Raised face**
RTJ	Ring-type joint
FF	Flat face

T5	Thermowell Flange Material		
316	**316/316L stainless**	HAC	Hastelloy C276
625	Inconel 625	Other[2] Consult factory	

T6	Specify "U" Length (inches)[3]
"inches"	Specify length in inches

T7	Specify "H" Head Length (inches)[3]
2.25	2.25" standard minimum for class 150#, 300#, 600#
3.25	3.25" standard minimum for class 900#, 1500# 2500#
Other	Specify length in inches

T8	Specify "A" & "B" (Shank) Diameter[4]
0.75	**0.75" (standard)**
Other	Consult Factory

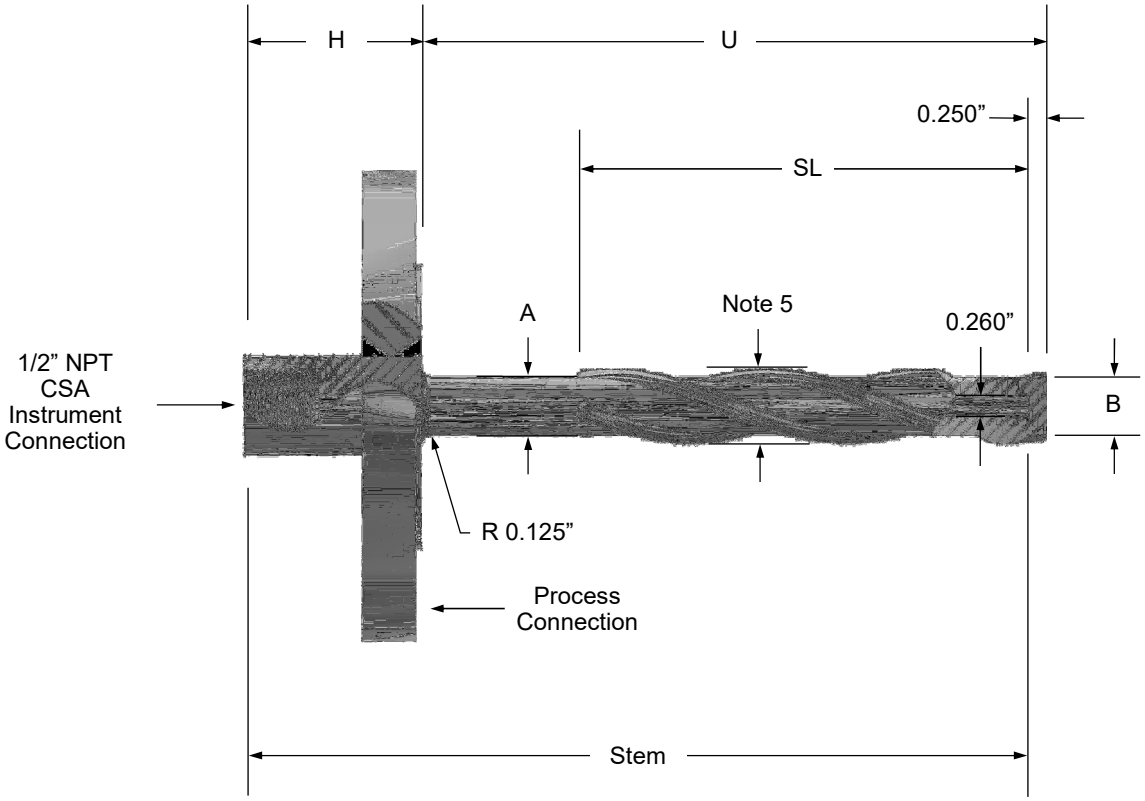
T9	Specify "SL" Helical Strake Length (inches)[3]
"inches"	Specify length in inches

Special option codes specified as come complete with (c/w) thermowell if required	
Code	**Description**
SSPC	Stainless steel plug and chain
BRPC	Brass plug and chain
OVRL	Overlay (details to be specified)

NOTES:
1. Part number example: FS22-316-2"600#RF316-12-2.25-0.75-7
2. Canadian Registration Number (CRN) available for common alloys, consult factory
3. Reference page X-XX for part outline and dimensions
4. Maximum allowable shank diameter must be less than the nominal pipe OD (T2)
5. Bold text indicates most common part selections

Aircom Instrumentation Ltd.
9328 - 37 Avenue NW
Edmonton, AB T6E 5K3
Ph: (780) 434-6916
Sales@AircomInstrumentation.com
www.AircomInstrumentation.com

FS22 Flanged StrakeWell™ Outline & Dimensions



NOTES:
1. Bar stock to flange is a full penetration weld
2. Flange dimensions per ASME B16.5
3. Raised face (RF) flange finish 125-250 RMS, for other consult factory
4. “RF” raised face flange face (T4) shown above
5. Welded helical strakes are ≈ 0.1” in height, the overall outer diameter is ≈ A + 0.2”

Aircom Instrumentation Ltd.
9328 - 37 Avenue NW
Edmonton, AB T6E 5K3
Ph: (780) 434-6916
Sales@AircomInstrumentation.com
www.AircomInstrumentation.com