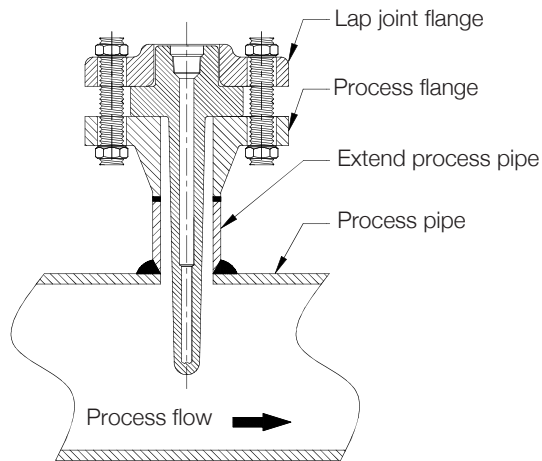


Vanstone Thermowell - Solid Drilled Bar Stock (S38 Series)

Heavy-Duty Vanstone Thermowells (Type S38) are machined out from solid bar and mounted with separate & reusable backing flange which is called 'lap joint flange' or 'cover flange' to eliminate the need for expensive flange materials. The solid bar has been drilled in order to suit the diameter of temperature measuring instruments such as RTDs, Thermocouples and Thermometers. The advantage of tapered stem is designed for heavy-duty applications where greater rigidity is required in case of increasing pressure and flow process conditions.



Typical installation of vanstone thermowell



General Construction of Vanstone thermowell

Process Connection

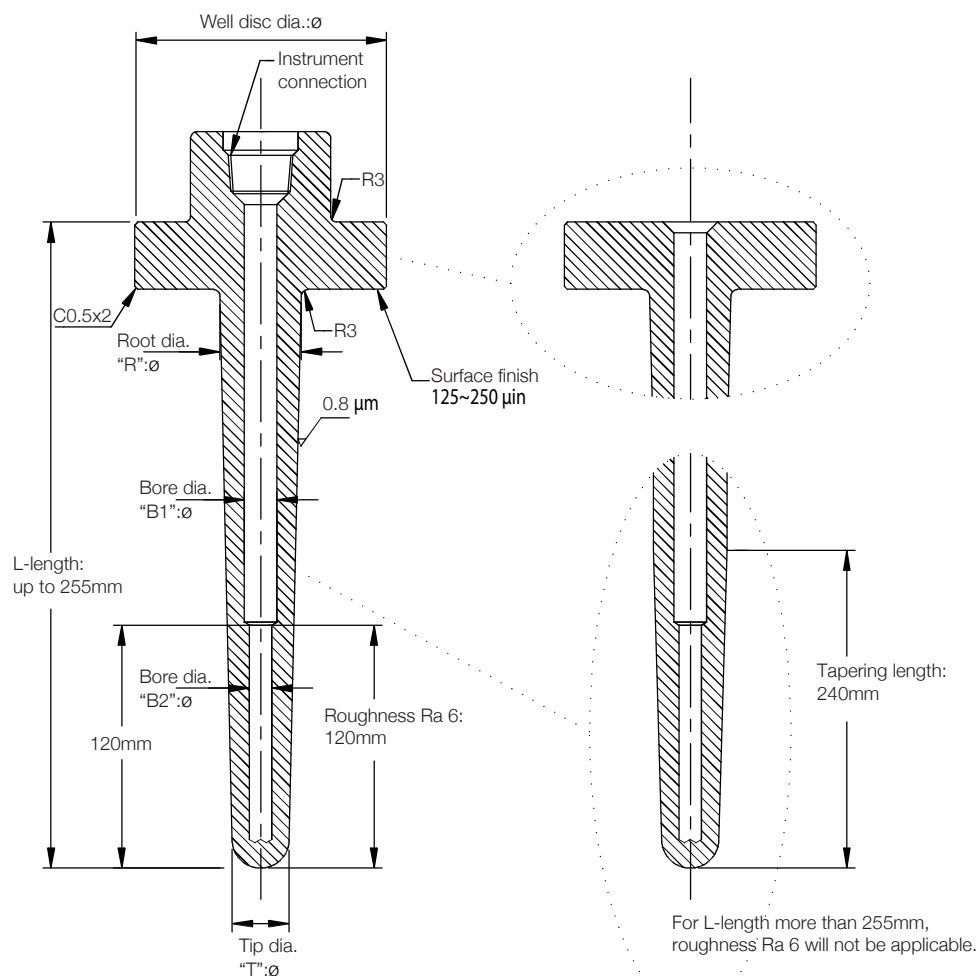
Flange	DN40, DN50
Pressure rating	up to 2500#
Well Disc	ø73,ø92mm
Disc thickness	15 mm (For DN40) 20 mm (For DN50)
Materials	SS 316/L Inconel 600 Monel 400 Hastelloy C 276 Duplex F51 A350 LF2 Inconel 800H/HT

Note: Other special alloy will be available upon request.

Testings and standards

Material Certificate	EN 10204-3.1B
Hydrostatic Test	ASME B16.5
Wake Frequency	ASME PTC 19.3
PMI	ASME Section II
MPI	ASME B31.3-2008

Note: Other testing will be available upon request.



Vanstone/Nozzle Thermowell - Solid Drilled Bar Stock (S38 Series)

Thermowell standard							
S38-113-D	Shell standard S 38-113-D						
S38-113-D	Shell standard S 38-114-D						
S38-113-0	Shell standard S 38-113-0						
S38-113-0	Shell standard S 38-114-0						
S38-103-E	Shell standard S 38-103-E						
S38-104-E	Shell standard S 38-104-E						
S38-106-D	Shell standard S 38-106-D						
S38-107-D	Shell standard S 38-107-D						
Connection flange size							
4LF1	DN40 (1-1/2") , 150 # Lap joint flange						
4LF2	DN40 (1-1/2") , 300 # Lap joint flange						
4LF3	DN40 (1-1/2") , 600 # Lap joint flange						
4LF4	DN40 (1-1/2") , 900 #/1500# Lap joint flange						
4LF5	DN40 (1-1/2") , 2500 # Lap joint flange						
Z	None						
5CJ1	DN50 (1-1/2") , 150 # Cover flange						
5CJ2	DN50 (1-1/2") , 300 # Cover flange						
5CJ3	DN50 (1-1/2") , 600 # Cover flange						
5CJ4	DN50 (1-1/2") , 900 #/1500# Cover flange						
5CJ5	DN50 (1-1/2") , 2500 # Cover flange						
(Note : the model data may varies upon size and rating)							
L-length							
L1	230 mm						
L2	255 mm						
L3	305 mm						
L4	355 mm						
L5	405 mm						
L6	455 mm						
Y1	Special version, to be specified.						
Thermowell material							
S	SS 316/L						
-	(Note : the model data may varies upon selected material)						
Connection flange material							
S	SS 316/L						
-	(Note : the model data may varies upon selected material)						
Stem dimensions "Ø R, Ø T"							
S1	Root:Ø 30 mm , Tip: Ø19 mm , Straight bore: Ø7mm						(For S 38-113-D)
S2	Root:Ø 30 mm , Tip: Ø19 mm , Straight bore: Ø7mm						(For S 38-114-D)
S3	Root:Ø 30 mm , Tip: Ø14 mm , Step Bore: Ø8mm ~ Ø6.5mm						(For S 38-113-0)
S4	Root:Ø 30 mm , Tip: Ø16 mm , Step Bore: Ø8mm ~ Ø6.5mm						(For S 38-114-0)
-	(Note : the model data may varies upon selected thermowell standard)						
Well disc dimensions							
D3	Outside Diameter:Ø 73 mm , Thickness : 15 mm						(For S 38-113-X)
D5	Outside Diameter:Ø 92 mm , Thickness : 20 mm						(For S 38-113-X)
-	(Note : the model data may varies upon selected thermowell standard)						
Instrument connection							
N	1/2" NPT F (STD)						
-	-						
S 38-XXX-X							
	1	2	3	4	5	6	7
Order Code							