

USAGE: FLAT AND RAISED FACED DIAMETER FLANGES UP TO AND INCLUSIVE OF CLASS 2500.

## Materials and Maximum T Limits

Spiral Wound Filler Guide	Filler Type				
	Thermiculite 835	Flexicarb	PTFE	Flexite Super	Ceramic
Maximum Temperature	1800°F 982°C	842°F 450°C	500°F 260°C	480°F 249°C	2300°F 1260°C
Minimum Temperature	-400°F -240°C	-400°F -240°C	-300°F -184°C	-150°F -101°C	-150°F -101°C

## Technical Benefits

- Metallic winding suited for cyclic loading
- Outer ring center gasket
- Inner/outer ring provides additional blow-out strength
- Inner/outer ring provides a compression stop
- Prevents flange erosion
- Prevents inward buckling
- Reduces turbulent flow
- Recommended for high pressure/temperature applications

## Design Parameters

Gasket Thickness	Maximum Inside Dimension	Recommended Flange Width	Recommended Compressed Thickness
0.125"	up to 20"	1"	0.090" / 0.100"
0.125"	20" to 40"	3/4"	0.090" / 0.100"
0.175"	up to 40"	1"	0.125" / 0.135"
0.175"	40" - 60"	1"	0.125" / 0.135"

Gasket Thickness	Maximum Inside Dimension	Recommended Flange Width	Recommended Compressed Thickness
0.175"	60" to 70"	7/8"	0.125" / 0.135"
0.175"	70" to 75"	3/4"	0.125" / 0.135"
0.250"	90"	1"	0.180" / 0.200"
0.285"	185"	1"	0.200" / 0.220"

## Required Surface Finish

- 125 - 250 Microinch Ra

## Tolerance Capabilities

Gasket Diameter	Inside Diameter	Outside Diameter
Up to 10"	± 1/64"	± 1/32"
10" to 24"	± 1/32"	± 1/16"
24" to 60"	± 3/64"	± 1/16"

## Applicable Standards

- ASME B16.20
- BS3381
- Suited for ASME B16.5 and B16.47 series flanges

## Design Factors

ASME (All)	
m	3
y	10,000 psi

PVRC	Flexicarb / SS	Flexite / SS
Gb (psi)	2300	2600
a	0.237	0.230
Gs (psi)	13	15



### Seal & Design Able Division

5533 Steeles Avenue West Unit 11  
Toronto, Ontario M9L 1S7  
Ph: (416) 741-0750  
Gasket@AbleSealAndDesign.com

### Seal & Design Corporate Headquarters

4015 Casilio Parkway  
Clarence, NY 14031  
Ph: (716) 759-2222  
Info@SealAndDesign.com  
[www.SealAndDesign.com](http://www.SealAndDesign.com)

### Seal & Design Higbee Division

6741 Thompson Rd N  
Syracuse, NY 13221  
Ph: (315) 432-8021  
Sales@Higbee-Inc.com



Member of The Flexitallic Group