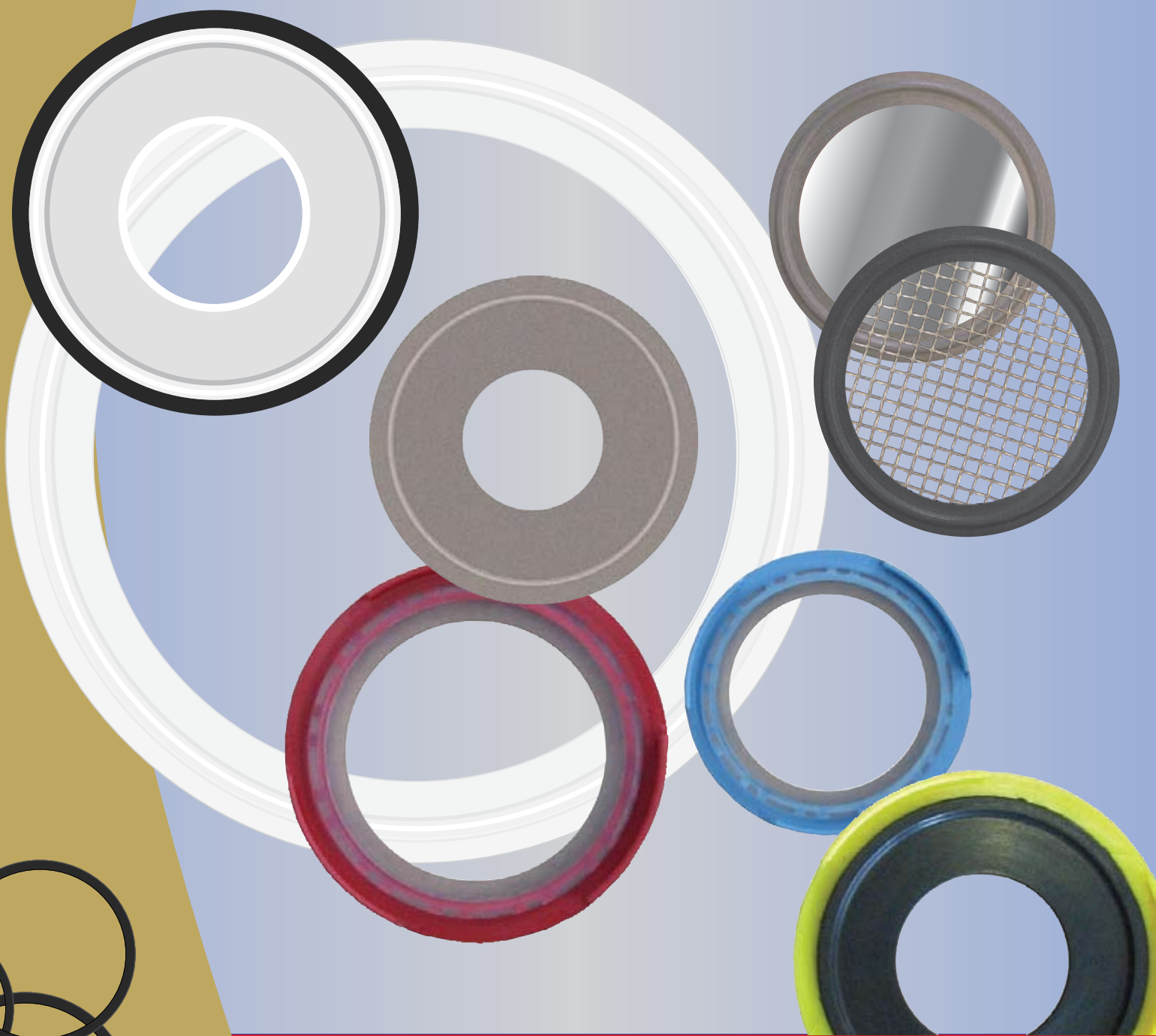




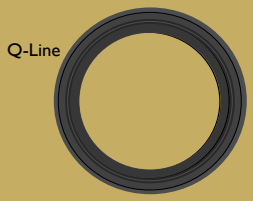
# High Purity Gaskets



[www.flowsmartinc.com](http://www.flowsmartinc.com) / [www.colorgrip.com](http://www.colorgrip.com)

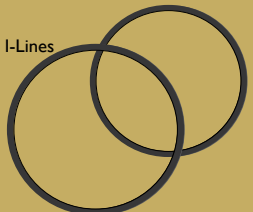
103 DAVIS DR., SEAFORD, DE 19973 PH: 302.536.3638 FAX: 302.628.9032

# ADVANCED DETECTION / METAL DETECTABLE GASKETS



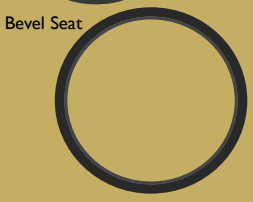
Q-Line

- Q-Line Gaskets**  
 40QH BUNA-N  
 40QE EPDM  
 40QSFY VITON®  
 40QT TEFLON  
**ADVANCED DETECTION**



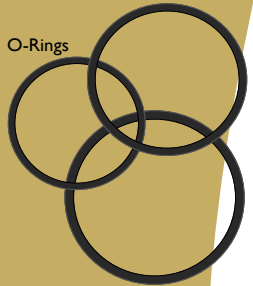
I-Lines

- I-Line Gaskets**  
 40IH BUNA-N  
 40IE EPDM (Black Molded)  
 40IEV EPDM (White Molded)  
 40IT TEFLON  
 40IV VITON®(Molded)  
**ADVANCED DETECTION**



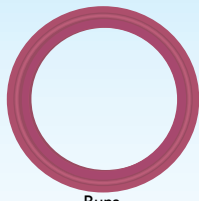
Bevel Seat

- Bevel Seat Gaskets**  
 40BSF BUNA-N (Flat Gasket)  
 40BSO BUNA-N  
 40BSE EPDM  
 40BSY VITON®  
 40BSX SILICONE (White)  
**ADVANCED DETECTION**

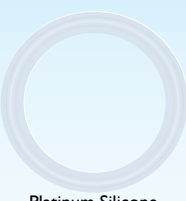


O-Rings

- Materials:**  
 Viton® Teflon  
 Viton A® EPDM  
 Viton GF 600S® PolySteel  
 Viton GFLT-S® Platinum Silicone  
 Viton Extreme® Buna  
**ADVANCED DETECTION**



Buna



Platinum Silicone



Viton®



PolySteel



EPDM



Teflon

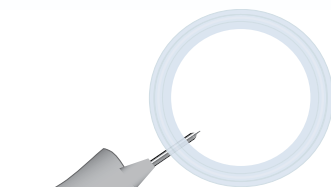
### Advanced Detection Gaskets

Gasket Type	Material Code	Gasket Colors
40 + MP Clamp	G-PS PolySteel	BK Black
40 + MPF Flanged	U Buna	RD Red
40 + BS Bevel Seat	E EPDM	BE Blue
40 + JP John Perry	Viton A®	PE Purple
40 + Q Q-Line	Viton GF-600S®	WE White
40 + I I-Line	X Silicone	MD Mustard

Detect the particles of gaskets that fragment into your system with metal detectable gaskets of all types, quad ring and o-rings of all materials and sizes.

## SOURCE GASKETS

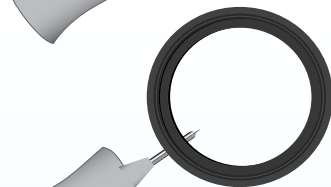
Make validating and sampling easier with Source Gaskets available with 1, 2, 3, 4 ports. Choose from Platinum Silicone, Viton or EPDM materials in 1/2" through 4" diameters.



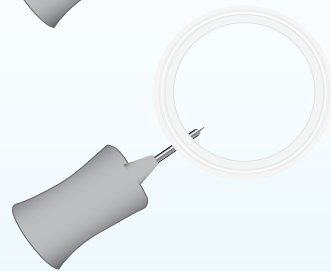
Platinum Silicone



Black Viton®



EPDM



White Viton®

## CLAMP GASKETS



Teflon

- 1/4" thru 3/4" Tri-Clamp Gaskets**  
 42MOU-025 BUNA-N  
 42MOE-025 EPDM (Black)  
 42MOEW-025 EPDM (White)  
 42MOX-025 SILICONE (Clear)  
 42MOXW-025 SILICONE (White)  
 42MOXR-025 SILICONE (Red)  
 42MOSFY-025 VITON®(Black)



EPDM

- 1" thru 4" Tri-Clamp Gaskets**  
 40MPU BUNA-N  
 40MPUV BUNA-N (White)  
 40MPE EPDM (Black)  
 40MPEV SILICONE (White/Clear)  
 40MPX TEFLON  
 40MPG VITON®(Black)  
 40MPSFY VITON®(White)  
 40RXPX PLATINUM SILICONE  
 40MPG-PS POLYSTEEL PTFE/316L

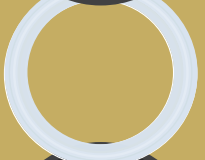


PolySteel



Viton®  
 Viton A®  
 Viton GF 600S®  
 Viton GFLT-S®  
 Viton Extreme®

- 5" thru 12" Tri-Clamp Gaskets**  
 40MOU BUNA-N  
 40MOE EPDM (Black)  
 40MOEW EPDM (White)  
 40MOX SILICONE (Clear)  
 40MOXW SILICONE (White)  
 40MOSFY VITON®(Black)



Platinum Silicone  
 Dow  
 GE  
 Wacker



Buna



### Source Gaskets

- G-TH-size-S-number of ports PLATINUM SILICONE  
 G-TH-size-E-number of ports EPDM  
 G-TH-size-V-number of ports VITON®

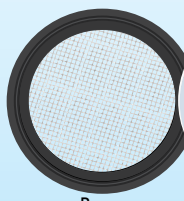
### Product Materials:

- Platinum Silicone  
 EPDM  
 Viton®  
 Viton A®  
 Viton Extreme®  
 Viton GF-600S®  
 Teflon  
 PolySteel  
 Advanced Detection  
 Buna

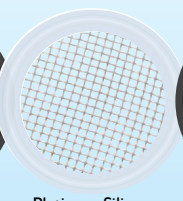
### Gasket

- 1/2"  
 3/4"  
 1"  
 1.5"  
 2"  
 2.5"  
 3"

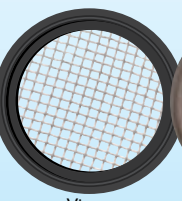
## SCREEN GASKETS



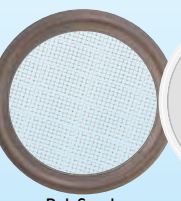
Buna



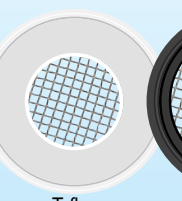
Platinum Silicone



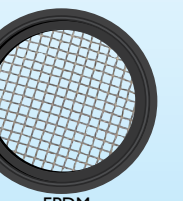
Viton®



PolySteel



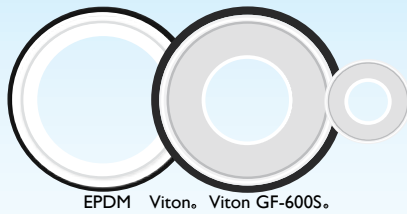
Teflon



EPDM

- Screen Gaskets  
 40RXPX  
 40MPES-  
 40MPUS-  
 40MPVS-  
 40PTES-  
 40MPG-P

## POLYFLEX GASKETS



EPDM Viton<sup>®</sup> Viton GF-600S<sup>®</sup>

**PolyFlex Gaskets**  
 B40MPGRE TFM w/ EPDM  
 40MPGR-V (Viton)  
 40MPGR-E (EPDM)

**Teflon Envelope Gaskets**  
 DH  
 BSS or DHR  
 THD/BSH

**TEFLON - thin style**  
 TEFLON  
 HEAVY DUTY

The only American made Rubber-to-PTFE bonded sanitary gasket provides the inert surface material of teflon with drastically improved sealing and memory characteristics typically only found with rubber materials.

## COLORGRIP™ GASKETS



EPDM Platinum Silicone Viton GF-600S<sup>®</sup> Viton A<sup>®</sup> Viton Extreme<sup>®</sup>

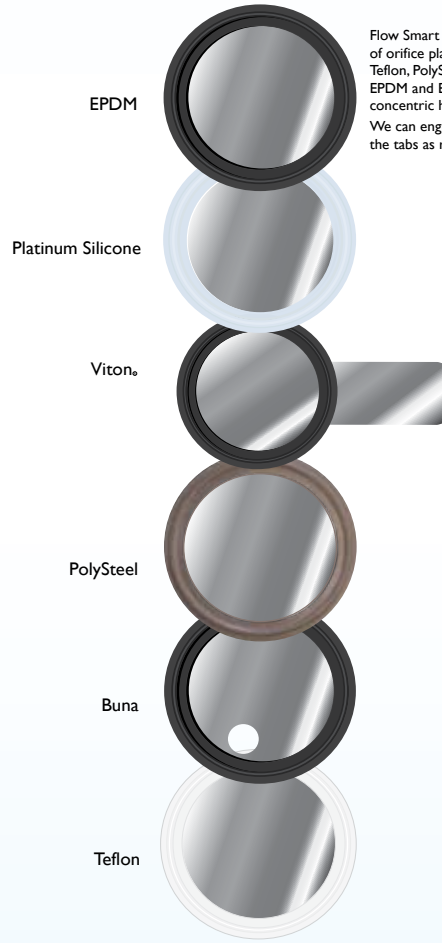
**ColorGrip Gaskets**  
 GR-E-YW EPDM (Yellow)  
 GR-E-BE EPDM (Blue)  
 GR-E-OE EPDM (Orange)  
 GR-E-WE EPDM (White)  
 GR-E-GN EPDM (Green)  
 GR-E-RD EPDM (Red)  
 GR-E-PE EPDM (Purple)

GR-V-YW VITON<sub>4</sub>(Yellow)  
 GR-V-BE VITON<sub>4</sub>(Blue)  
 GR-V-OE VITON<sub>4</sub>(Orange)  
 GR-V-WE VITON<sub>4</sub>(White)  
 GR-V-GN VITON<sub>4</sub>(Green)  
 GR-V-RD VITON<sub>4</sub>(Red)  
 GR-V-PE VITON<sub>4</sub>(Purple)

GR-RXPX-YW PLATINUM SILICONE (Yellow)  
 GR-RXPX-BE PLATINUM SILICONE (Blue)  
 GR-RXPX-OE PLATINUM SILICONE (Orange)  
 GR-RXPX-WE PLATINUM SILICONE (White)  
 GR-RXPX-GN PLATINUM SILICONE (Green)  
 GR-RXPX-RD PLATINUM SILICONE (Red)  
 GR-RXPX-PE PLATINUM SILICONE (Purple)

Color coding, compression control and improved alignment all in one gasket exclusively available from Flow Smart.

## ORIFICE PLATES



EPDM

Platinum Silicone

Viton<sup>®</sup>

PolySteel

Buna

Teflon

Flow Smart offers the most comprehensive array of orifice plates available with or without a tab in Teflon, PolySteel, Viton, Platinum Silicone, Viton, EPDM and BUNA materials. Eccentric or concentric holes are also available. We can engrave locations and hole sizes on the tabs as requested.

## FLANGED CLAMP GASKETS

Platinum Silicone

Buna

PolySteel

EPDM

Teflon

Viton<sup>®</sup>

### Flanged Tri-Clamp Gaskets 1" thru 4"

40MPFU BUNA-N (Black)  
 40MPFUV BUNA-N (White)  
 40MPFE EPDM (Black)  
 40MPFEW EPDM (White)  
 40MPFX SILICONE (White/Clear)  
 40MPFSFY VITON<sub>4</sub>(Black)  
 40MPFSFYV VITON<sub>4</sub>(White)  
 40RXPXF PLATINUM SILICONE

### Tabbed Orifice Plate Gaskets

A80MPE-TAB EPDM (Black)  
 A80RXPX-TAB PLATINUM SILICONE  
 A80MPV-TAB VITON<sub>4</sub>(Black)  
 A80MPG-TAB TEFLON  
 A80MPG-PS-TAB POLYSTEEL PTFE/316L

### Orifice Plate Gaskets

A80MPU BUNA-N  
 A80MPE EPDM (Black)  
 A80RXPX PLATINUM SILICONE  
 A80MPV VITON<sub>4</sub>(Black)  
 A80MPG TEFLON  
 A80MPG-PS POLYSTEEL PTFE/316L

### Schedule 5 Flanged Tri-Clamp Gaskets 1" thru 12"

40MVFU BUNA-N  
 40MVFE EPDM (Black)  
 40MVFEW EPDM (White)  
 40MVFXW SILICONE (White)  
 40MVFX SILICONE (Clear)  
 40MVFSFY VITON<sub>4</sub>(Black)  
 40MVFSFYV VITON<sub>4</sub>(White)  
 40MVFG TEFLON

3 or 4 ports.  
 sizes. Clamps are also available.

# SELECTION GUIDE



MAKES A DIFFERENCE

**Gasket Sizes:**  
 4"  
 5"  
 6"  
 8"  
 10"  
 12"

**Gasket Colors:**  
 Grey Green  
 Red Blue  
 Orange Purple  
 Yellow White  
 Black

**APC Gaskets**  
 I01-H BUNA-N (Grey)  
 I01-HX BUNA-N (Black)

**John Perry Gaskets**  
 40JPU BUNA-N  
 40JPE EPDM  
 40JPSFY VITON<sup>®</sup>  
 40JPG TEFLON

## SOCK GASKETS

Filter your process fluids with screens and socks in the materials of your choice: Teflon, PolySteel, Viton, Platinum Silicone, Viton, EPDM and BUNA materials



EPDM

Platinum Silicone

Viton<sup>®</sup>

PolySteel

Buna

Teflon

**Gaskets**  
 1/2-size/mesh PLATINUM SILICONE  
 1-size/mesh EPDM  
 1 1/2-size/mesh BUNA  
 2-size/mesh VITON<sup>®</sup>  
 3-size/mesh TEFLON  
 4-S-size/mesh POLYSTEEL

# Chemical Compatibility Polymer Reference Guide

Flow Smart POLYMER	Nitrile Elastomer	Fluoro-Elastomer	Platinum Cured Silicone Elastomer	Peroxide Cured Silicone Elastomer	Ethylene-Propylene Diene Monomer	PolyTetra Fluoro Ethylene	Poly Steel Polymer
<b>CHARACTERISTICS</b>							
<b>ASTM D-1418 Designation</b>	NBR	FKM	VMQ	VMQ	EPDM	PTFE	PTFE/316L
<b>Common Trade Names</b>	Buna-N	Viton Fluorel	Silastic Elastosil	Silastic Elastosil	Dutral Nordel	Teflon	
<b>Typical Hygienic Industry Designate</b>	U	SFY	RXPX	X	EPDM	G	GTS
<b>Hygienic Color Code</b>	RED	Yellow & White	Remains Clear	Pink	Green X3	Remains White	Remains Grey
<b>Specific Gravity (Polymer)</b>	1	1.8	1.1	1.1	0.85	2.13	2.25
<b>Hardness Shore A Durometer (S)</b>	30 – 95	80 OR 75	80 OR 70	70	70	55-Shore D	65-Shore D
<b>Maximum Tensile (P.S.I.)</b>	3000	2000	1200	1200	2500	4000	4600
<b>Heat Resistance Intermittent</b>	240Deg F	410Deg F	580Deg F	540Deg F	300Deg F	450Deg F	578Deg F
<b>Continuous</b>	210Deg F	380Deg F	490Deg F	460Deg F	260Deg F	400Deg F	526Deg F
<b>Low Temperature Resistance</b>	-65	-20	-85	-95	-70	-350	-370
<b>Abrasion Resistance</b>	G	G	F	F	F	F	F
<b>Ozone Resistance</b>	NR	E	E	E	E	E	E
<b>Radiation (Gamma) Resistance</b>	G	F	F	F	E	E	E
<b>Recovery after Distortion</b>	G	G	G	G	F – G	NR	F
<b>Tear Resistance HOT</b>	F	F	F	F	F	E	E
<b>Tear Resistance COLD</b>	F	F	F	F	G	E	E
<b>Acids, Dilute</b>	G	E	G	G	G	E	E
<b>Alkalies</b>	G	G	E	E	E	E	E
<b>Alcohol, Glycols</b>	E	G	E	E	E	E	E
<b>Animal Oils &amp; Fat</b>	E	E	G	G	F	E	E
<b>Soaps, Bleaches, Detergents</b>	F-G	G	F	F	E	E	E
<b>Steam</b>	F	F	G	G	E	G	E
<b>Vegetable Oils</b>	E	E	E	E	G	E	E
<b>Water</b>	G	E	F	F	E	E	E

CODE:

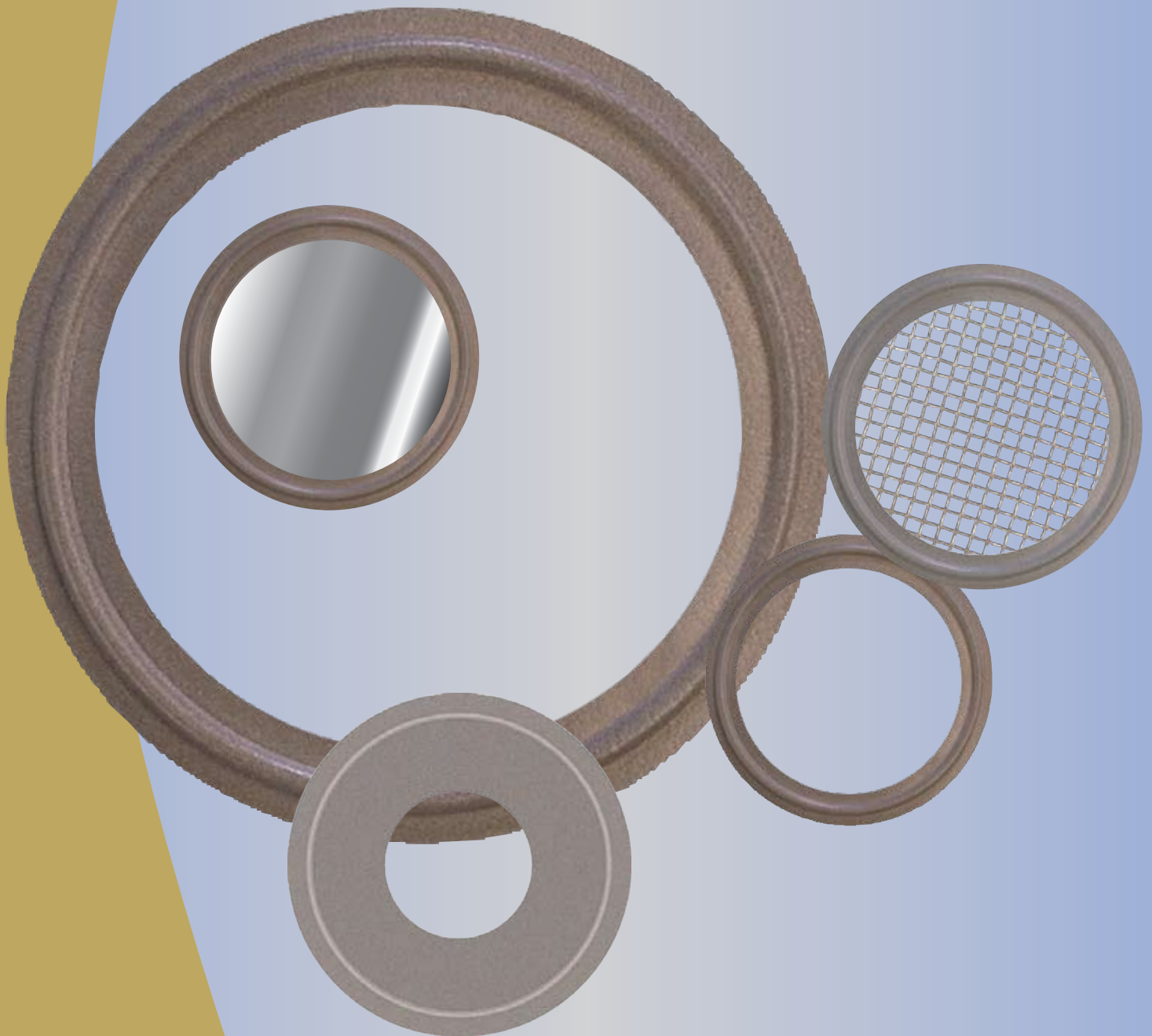
E = Excellent, G = Good, F = Fair, NR = Not Recommended





# PolySteel

From The Founders Of The Original Stainless Steel Filled PTFE Gaskets



[www.flowsmartinc.com](http://www.flowsmartinc.com)

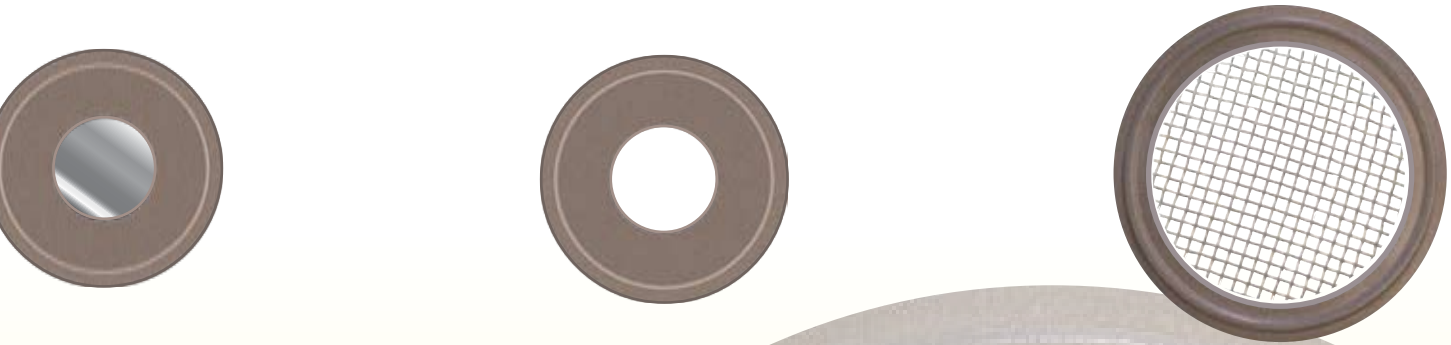
103 DAVIS DR., SEAFORD, DE 19973 PH: 302.536.6388 FAX: 302.628.9032

Flow Smart offers a proven compound comprised of TFM blended with 316L Stainless Steel sintered into a unified alloy. Flow Smart's PolySteel provides the ultimate high purity steam resistant material without the severe cold-flow that is associated with conventional PTFE products. PolySteel has the chemical resistance and the compressibility of PTFE with an improved mechanical strength provided by the inclusion of 316L Stainless Steel. PolySteel is available molded into gaskets of all types of geometries including Clamp, I-Lines, O-rings, Orifice Plate Gaskets and Screen Gaskets. PolySteel will give you unprecedented sealing longevity, and it is metal detectable.



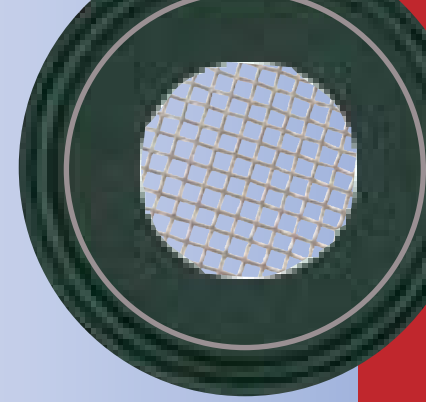
PolySteel material offers an inert contact surface that withstands the most challenging SIP required in biotech and pharmaceutical processing. Seal Performance will remain as creep and cold flow are minimized with extreme  $\Delta T$ .





### The Flow Smart PolySteel Difference:

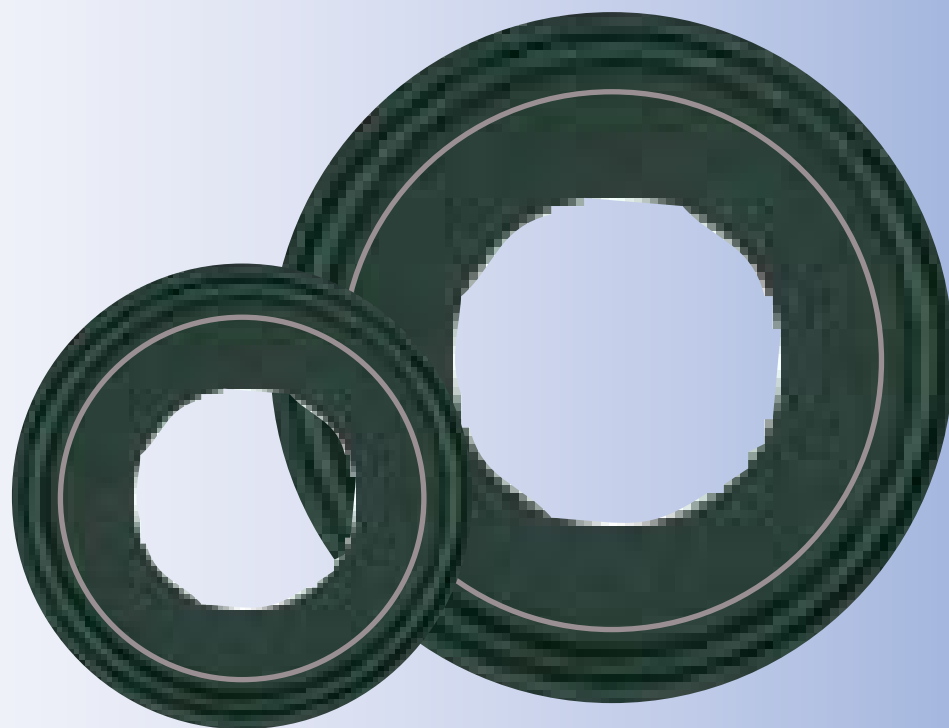
- Only Stainless filled PTFE gasket with FDA approval.
- Compound has been utilized longer than any other Stainless filled PTFE in biotech and pharmaceuticals.
- USP Class VI tested
- New tooling design produces better finishes and BPE compliant inside diameters.
- Meets 3A Standards
- Any custom geometry is available
- Only Flow Smart PolySteel gaskets are produced from the compound that was known and specified as Tef Steel or Tuf Steel before October 2003.
- No animal derived ingredients are used to produce PolySteel.



CUSTOM GEOMETRIES AVAILABLE

## Properties of PolySteel

Property	ASTM Method	Value
Specific gravity	D792	3.45
Tensile Strength	D4894	1928PSI
Elongation at Break	D4894	270%
Compressive Stress at 1%	D695	832
Compressive Stress at 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-400°F
Temperature High	Continuous	500°F



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FAX: 302.628.9032

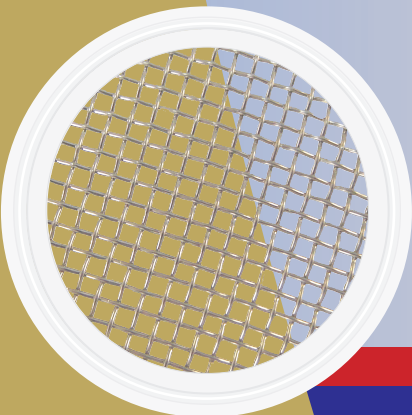
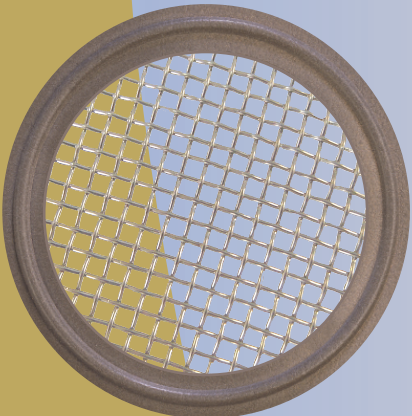
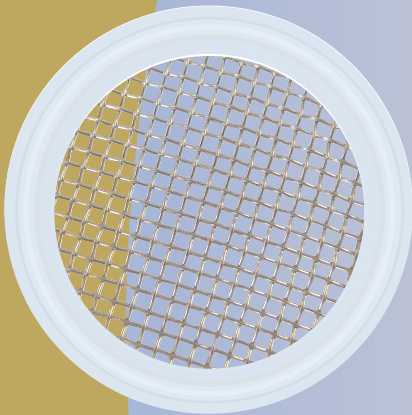
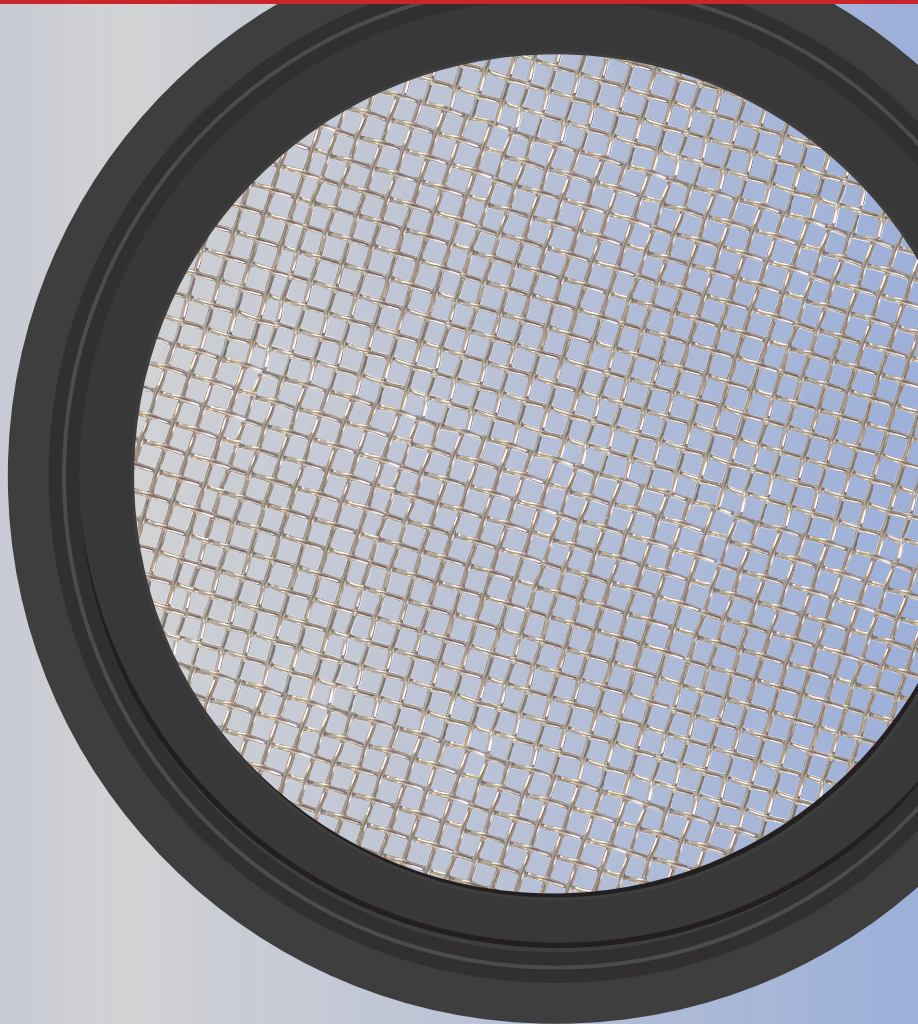
[www.flowmartinc.com](http://www.flowmartinc.com)

[solutions@flowmartinc.com](mailto:solutions@flowmartinc.com)





# Screen and Sock Gasket Assemblies



LARGEST ARRAY OF MATERIAL OPTIONS  
FOR A PARTICULATE SAFE PROCESS

[www.flowsmartinc.com](http://www.flowsmartinc.com)

17 ROBERT ST., WHARTON, NJ 07885 PH: 973.537.6400 FAX: 973.537.7090

## FLOW SMART HAS DEVELOPED

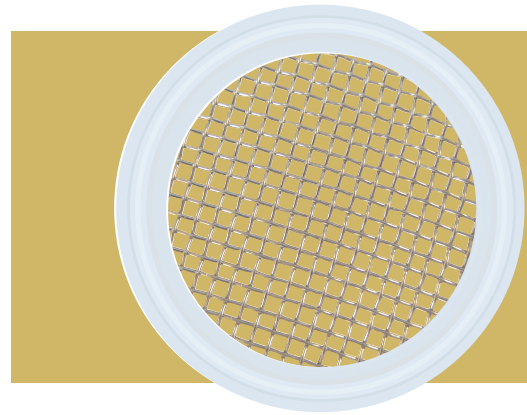
a wide array of materials and designs to ensure that your process is safe from particulates. We are capable of designing to meet your needs based on standard or unique process applications. Our specialty designs have been produced as Screens, Socks, Sintered Metal, Perforated Plates and Sintered Metal Screens. Products are available bonded or with removable gaskets.

## SOCK OPTIONS

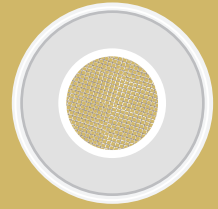
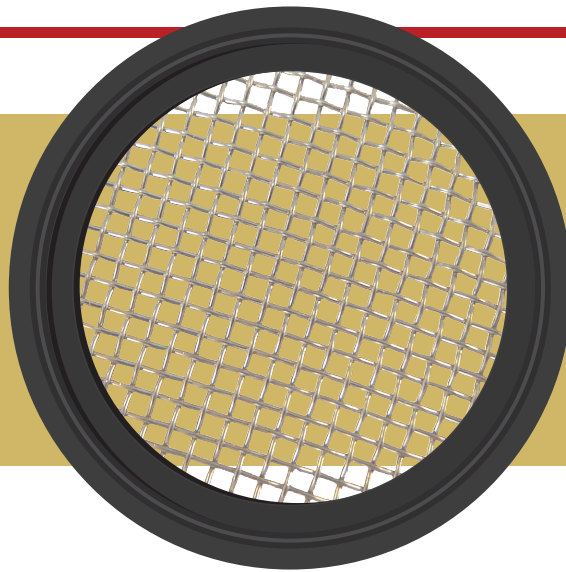
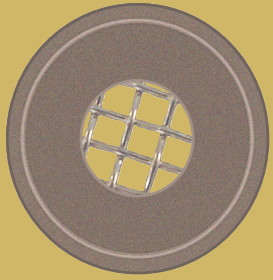
Flow Smart can supply an unlimited variety of Sock Gasket designs. We have standard Tri-Clamp gaskets in 1" thru 6" sizes as well as custom geometries including stoppers for drains. Standard Screen Sock lengths range from 1" long to 6" long. We can customize up to several feet long.



## GASKET MATERIALS



PolySteel (PTFE with 316L Stainless Steel), PTFE, Platinum Cured Silicone, EPDM, Viton and Buna are standard. Call for optional materials such as Aflas and Perfluoroelastomers.

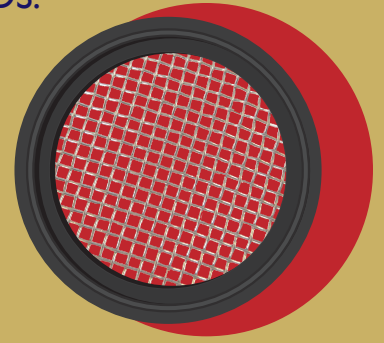


## Screen Options Available:

- Screens and Perforated Plates, 1/2" through 6". Socks with 1" through 4" Gasket sizes in short length (1" long) or long length (6" long).
- Custom lengths are available to as long as 60".
- 316L Stainless Steel screen material standard, hastalloy and other materials available upon request.
- Mesh sizes from 4 to 325 using standard available wire sizes for screens.
- Socks meshes are available from 10 to 100 mesh. Standard Screens and Perforated Plate sizes

## SCREEN GASKET PROGRAMS THAT MEET THE HIGHEST STANDARDS:

- US Pharmacopeia Class VI Tested and certified.
- USDA and 3A.
- Title 21 CFR, FDA compliance.
- Made to ASME-BPE standards.
- Manufactured to Current Good Manufacturing Practices



## Screen Gaskets . . . TO MEET YOUR NEEDS

MATERIALS	PART NUMBER	SIZES	MESHES
PTFE	40MPGS	1/2" - 12"	4 thru 325
POLYSTEEL	40MPG-PSS	1/2" - 12"	4 thru 325
PLATINUM SILICONE	40RXPXS	1/2" - 6"	4 thru 325
EPDM	40MPES	1/2" - 6"	4 thru 325
VITON	40MPSFY	1/2" - 6"	4 thru 325
BUNA	40MPUS	1/2" - 6"	4 thru 325

To complete part numbers add gasket size and mesh.

Part Number Examples:

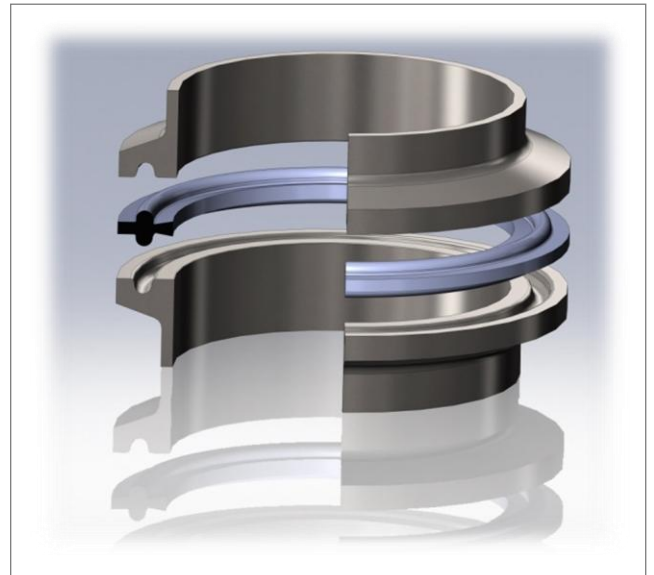
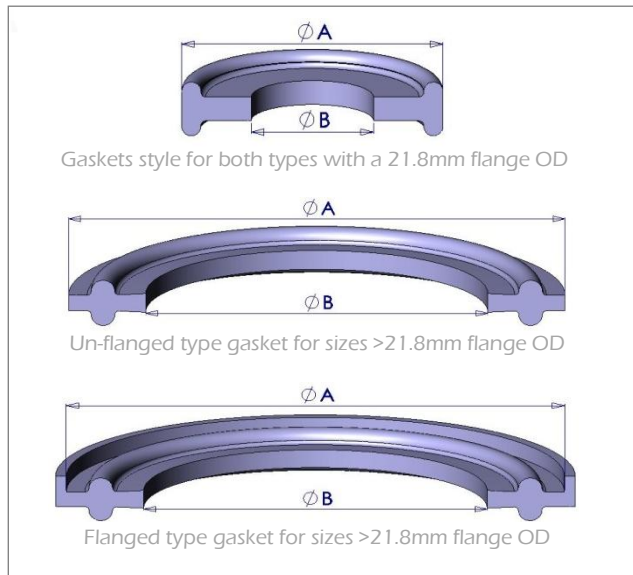
2" Platinum Silicone 100 mesh would be: 40RXPXS-200/100

2" Teflon 30 mesh would be: 40MPGS-200/30

### Screen Specifications

Mesh (Wires/Inch)	Micron Retention	Opening (Inches)
4	5156	0.203
6	3340	0.11
8	2464	0.097
10	1905	0.075
12	1532	0.0603
16	1130	0.0445
18	1081	0.0426
20	864	0.034
24	703	0.0277
30	516	0.0203
40	381	0.015
50	318	0.0125
60	233	0.0092
80	140	0.0055
100	140	0.0055
120	118	0.0046
150	103	0.0041
180	83	0.0033
200x200*	74	0.0029
250x250	61	0.0024
325x325	40	0.0017
Smart Micron 35	35	
Smart Micron 30	30	
Smart Micron 25	25	
Smart Micron 10	10	

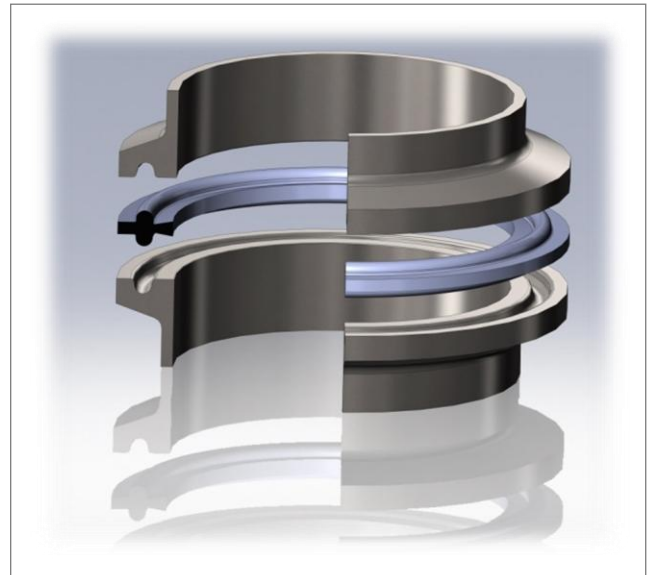
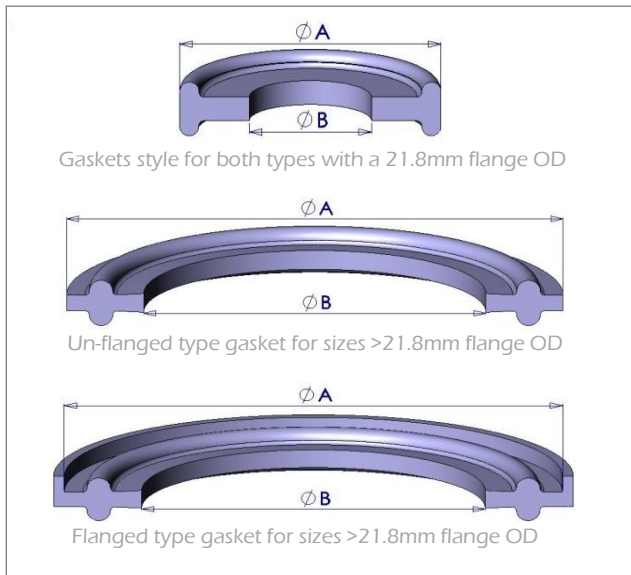
Call Us To Learn About  
Smart Mesh With The  
Finest Micron  
Retention Available



ASME BPE Nom. Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
1/4"	21.8	4.6	0.984	0.180	42MP-XXX-0.25	42MPF-XXX-0.25
3/8"	21.8	7.7	0.984	0.305	42MP-XXX-0.38	42MPF-XXX-0.38
1/2"	21.8	9.4	0.984	0.370	42MP-XXX-0.50	42MPF-XXX-0.50
3/4"	21.8	15.7	0.984	0.620	42MP-XXX-0.75	42MPF-XXX-0.75
1" ALT	34.0	22.1	1.339	0.870	40MP-XXX-1.00A	40MPF-XXX-1.00A
1"	50.4	22.1	1.984	0.870	40MP-XXX-1.00A	40MPF-XXX-1.00A
1 1/2"	50.4	34.8	1.984	1.370	40MP-XXX-1.50	40MPF-XXX-1.50
2"	63.9	47.5	2.516	1.870	40MP-XXX-2.00	40MPF-XXX-2.00
2 1/2"	77.4	60.2	3.047	2.370	40MP-XXX-2.50	40MPF-XXX-2.50
3"	90.9	72.9	3.579	2.870	40MP-XXX-3.00	40MPF-XXX-3.00
4"	118.9	97.4	4.682	3.834	40MP-XXX-4.00	40MPF-XXX-4.00
6"	166.9	146.9	6.570	5.782	40MO-XXX-6.00	40MOF-XXX-6.00

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		

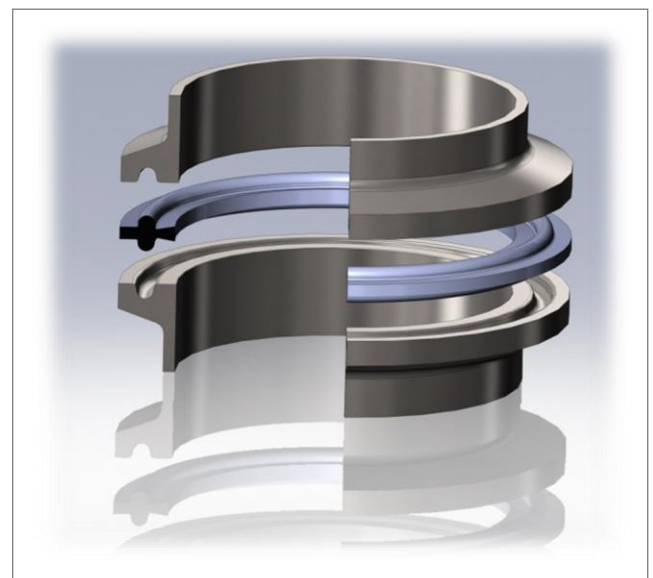
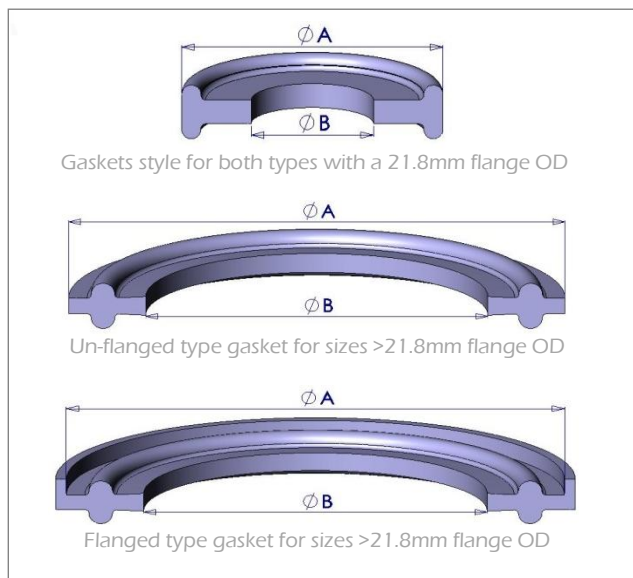


BS4825 Part-3 Nom. Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
1/2"	21.8	9.5	1.000	0.375	42MP-XXX-0.50	42MPF-XXX-0.50
3/4"	21.8	15.9	1.000	0.625	42MP-XXX-0.75	42MPF-XXX-0.75
1"	50.5	22.2	1.988	0.874	40MP-XXX-1.00	40MPF-XXX-1.00
1 1/2"	50.5	34.9	1.988	1.374	40MP-XXX-1.50	40MPF-XXX-1.50
2"	64.0	47.6	2.520	1.874	40MP-XXX-2.00	40MPF-XXX-2.00
2 1/2"	77.5	60.3	3.051	2.374	40MP-XXX-2.50	40MPF-XXX-2.50
3"	91.0	73.0	3.583	2.874	40MP-XXX-3.00	40MPF-XXX-3.00
3 1/2"	106.0	84.7	4.173	3.335	40MP-XXX-3.50	40MPF-XXX-3.50
4"	119.0	97.6	4.685	3.843	40MP-XXX-4.00	40MPF-XXX-4.00
4 1/2"	130.0	110.3	5.118	4.343	40MO-XXX-4.50	40MOF-XXX-4.50
5"	144.4	123.0	5.685	4.843	40MO-XXX-5.00	40MOF-XXX-5.00
5 1/2"	155.0	135.8	6.102	5.345	40MO-XXX-5.50	40MOF-XXX-5.50
6"	167.0	150.0	6.575	5.906	40MO-XXX-6.00	40MOF-XXX-6.00
6 5/8"	183.0	163.1	7.205	6.421	40MO-XXX-6.58	40MOF-XXX-6.58
8"	217.4	200.0	8.559	7.874	40MO-XXX-8.00	40MOF-XXX-8.00
8 5/8"	233.5	213.9	9.193	8.421	40MO-XXX-8.58	40MOF-XXX-8.58
10"	268.0	250.0	10.551	9.843	40MO-XXX-10.00	40MOF-XXX-10.00
10 5/8"	286.1	266.3	11.264	10.484	40MO-XXX-10.58	40MOF-XXX-10.58
12"	319.0	300.8	12.559	11.843	40MO-XXX-12.00	40MOF-XXX-12.00
12 5/8"	338.0	315.9	13.307	12.437	40MO-XXX-12.58	40MOF-XXX-12.58

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :

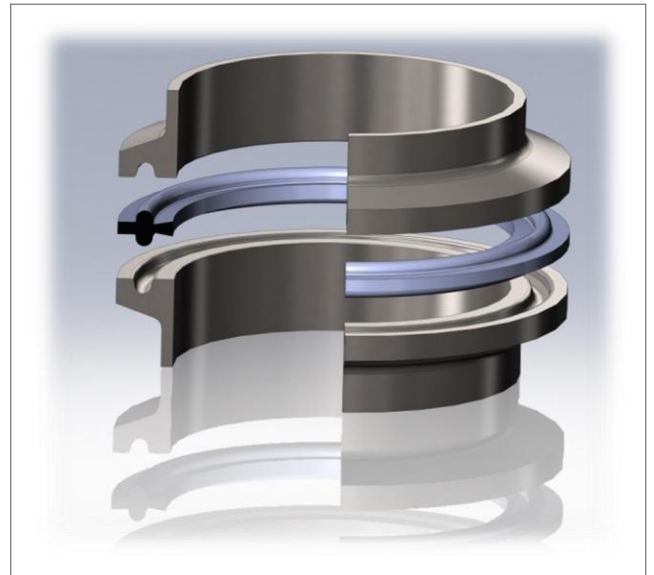
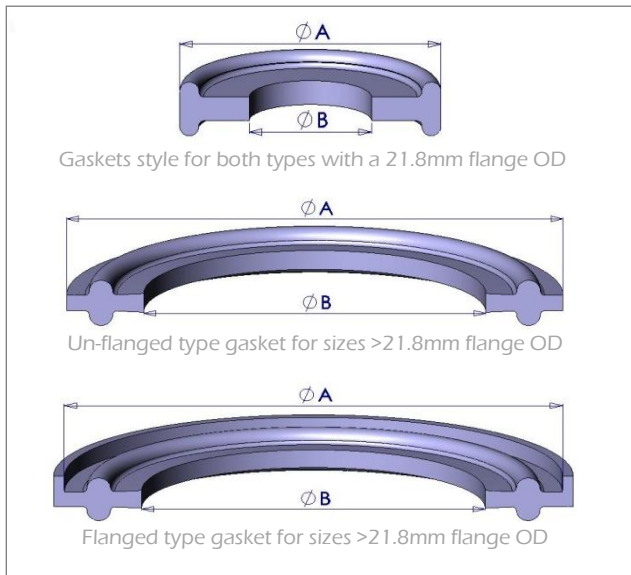
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



BS 6362 Sch. 5 Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
	1/2"	50.5	18.0	1.988	0.710	40MV-XXX-0.50
3/4"	50.5	23.4	1.988	0.920	40MV-XXX-0.75	40MVF-XXX-0.75
1"	50.5	30.1	1.988	1.185	40MV-XXX-1.00	40MVF-XXX-1.00
1 1/4"	64.0	38.9	2.520	1.530	40MV-XXX-1.25	40MVF-XXX-1.25
1 1/2"	64.0	45.0	2.520	1.770	40MV-XXX-1.50	40MVF-XXX-1.50
2"	77.5	57.0	3.051	2.245	40MV-XXX-2.00	40MVF-XXX-2.00
2 1/2"	91.0	68.8	3.583	2.709	40MV-XXX-2.50	40MVF-XXX-2.50
3"	106.0	84.7	4.173	3.334	40MV-XXX-3.00	40MVF-XXX-3.00
3 1/2"	119.0	97.4	4.685	3.834	40MV-XXX-3.50	40MVF-XXX-3.50
4"	130.0	110.1	5.118	4.334	40MV-XXX-4.00	40MVF-XXX-4.00
5"	155.0	135.8	6.102	5.345	40MV-XXX-5.00	40MVF-XXX-5.00
6"	183.0	162.7	7.205	6.407	40MV-XXX-6.00	40MVF-XXX-6.00
8"	233.5	213.5	9.193	8.407	40MV-XXX-8.00	40MVF-XXX-8.00
10"	286.1	266.3	11.264	10.482	40MV-XXX-10.00	40MVF-XXX-10.00
12"	338.0	315.9	13.307	12.438	40MV-XXX-12.00	40MVF-XXX-12.00

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		

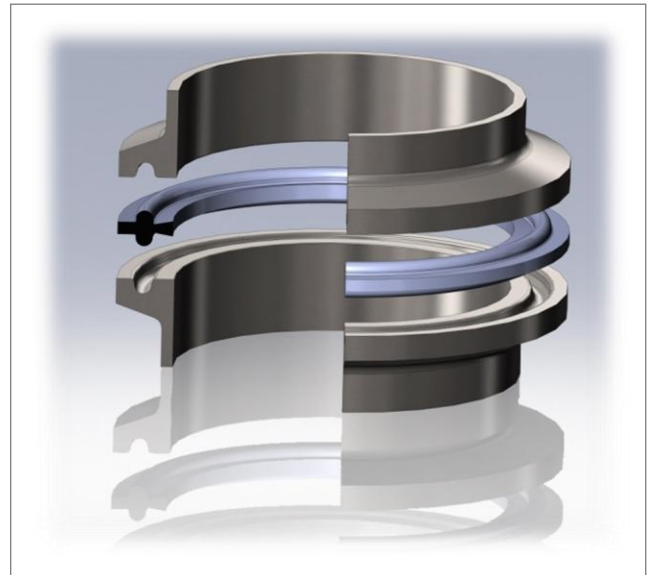
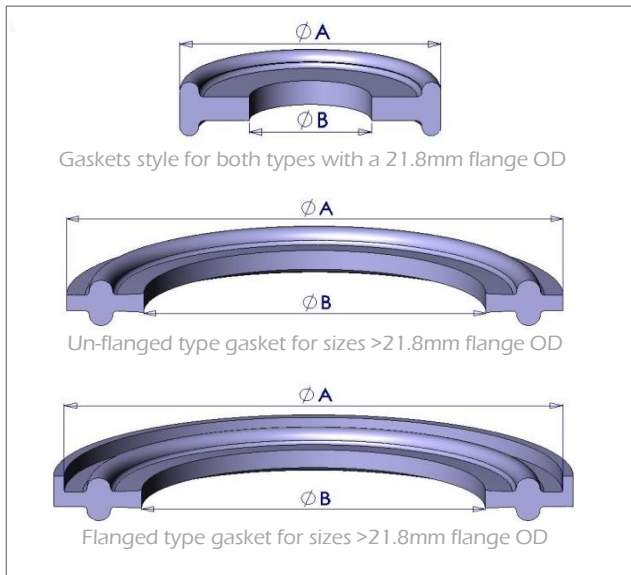


BS 6362 Sch. 40 Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
	1/8"	50.5	6.8	1.988	0.269	40MV40-XXX-0.13
1/4"	50.5	9.3	1.988	0.364	40MV40-XXX-0.25	40MV40F-XXX-0.25
3/8"	50.5	12.5	1.988	0.493	40MV40-XXX-0.38	40MV40F-XXX-0.38
1/2"	50.5	15.8	1.988	0.622	40MV40-XXX-0.50	40MV40F-XXX-0.50
3/4"	50.5	20.9	1.988	0.824	40MV40-XXX-0.75	40MV40F-XXX-0.75
1"	50.5	26.6	1.988	1.049	40MV40-XXX-1.00	40MV40F-XXX-1.00
1 1/4"	64.0	35.1	2.520	1.380	40MV40-XXX-1.25	40MV40F-XXX-1.25
1 1/2"	64.0	40.9	2.520	1.610	40MV40-XXX-1.50	40MV40F-XXX-1.50
2"	77.5	52.5	3.051	2.067	40MV40-XXX-2.00	40MV40F-XXX-2.00
2 1/2"	91.0	62.7	3.583	2.469	40MV40-XXX-2.50	40MV40F-XXX-2.50
3"	106.0	77.9	4.173	3.068	40MV40-XXX-3.00	40MV40F-XXX-3.00
3 1/2"	119.0	90.1	4.685	3.548	40MV40-XXX-3.50	40MV40F-XXX-3.50
4"	130.0	102.3	5.118	4.026	40MV40-XXX-4.00	40MV40F-XXX-4.00
5"	155.0	128.2	6.102	5.047	40MV40-XXX-5.00	40MV40F-XXX-5.00
6"	183.0	154.1	7.205	6.065	40MV40-XXX-6.00	40MV40F-XXX-6.00
8"	233.5	202.7	9.193	7.981	40MV40-XXX-8.00	40MV40F-XXX-8.00
10"	286.1	254.5	11.264	10.020	40MV40-XXX-10.00	40MV40F-XXX-10.00
12"	338.0	303.2	13.307	11.938	40MV40-XXX-12.00	40MV40F-XXX-12.00

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		

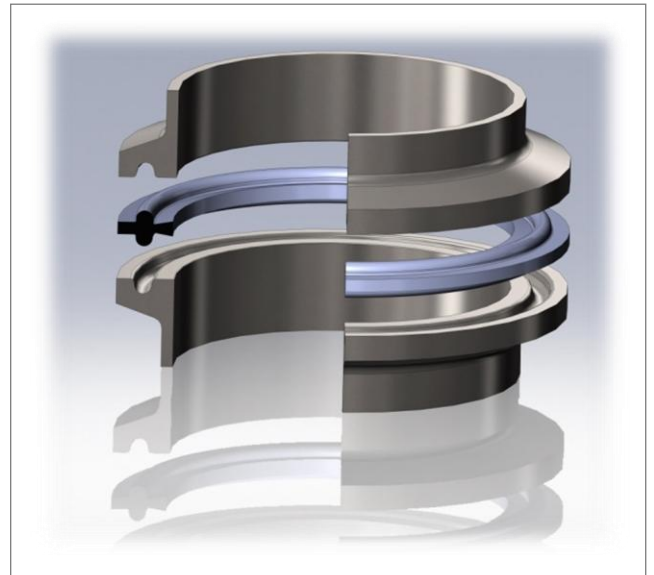
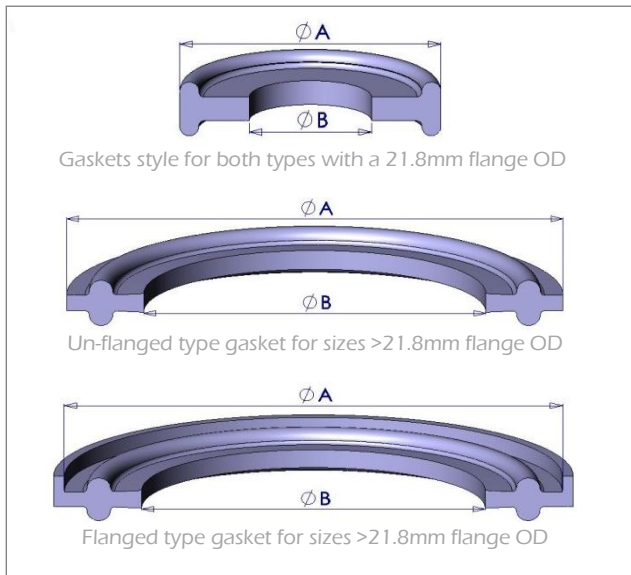




DIN 32676 Series A Size (DN)	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA	ØB	ØA	ØB	Type	Type
	Flange OD	Bore ID	Flange OD	Bore ID	Flanged	Un-Flanged
6	21.8	6.0	0.858	0.236	42DIN3A-XXX-06	42DIN3AF-XXX-06
8	21.8	8.0	0.858	0.315	42DIN3A-XXX-08	42DIN3AF-XXX-08
10	34.0	10.0	1.339	0.394	40DIN3A-XXX-10	40DIN3AF-XXX-10
15	34.0	16.0	1.339	0.630	40DIN3A-XXX-15	40DIN3AF-XXX-15
20	34.0	20.0	1.339	0.787	40DIN3A-XXX-20	40DIN3AF-XXX-20
25	50.5	26.0	1.988	1.024	40DIN3A-XXX-25	40DIN3AF-XXX-25
32	50.5	32.0	1.988	1.260	40DIN3A-XXX-32	40DIN3AF-XXX-32
40	50.5	38.0	1.988	1.496	40DIN3A-XXX-40	40DIN3AF-XXX-40
50	64.0	50.0	2.520	1.969	40DIN3A-XXX-50	40DIN3AF-XXX-50
65	91.0	66.0	3.583	2.598	40DIN3A-XXX-65	40DIN3AF-XXX-65
80	106.0	81.0	4.173	3.189	40DIN3A-XXX-80	40DIN3AF-XXX-80
100	119.0	100.0	4.685	3.937	40DIN3A-XXX-100	40DIN3AF-XXX-100
125	155.0	125.0	6.102	4.921	40DIN3A-XXX-125	40DIN3AF-XXX-125
150	183.0	150.0	7.205	5.906	40DIN3A-XXX-150	40DIN3AF-XXX-150
200	233.5	200.0	9.193	7.874	40DIN3A-XXX-200	40DIN3AF-XXX-200

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

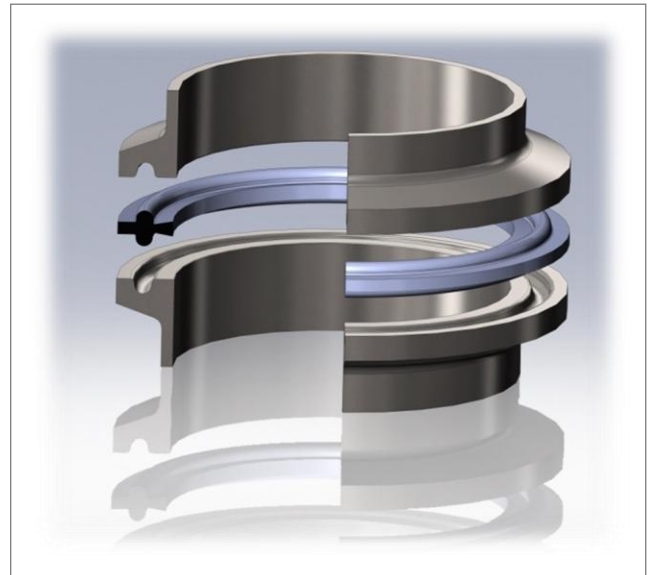
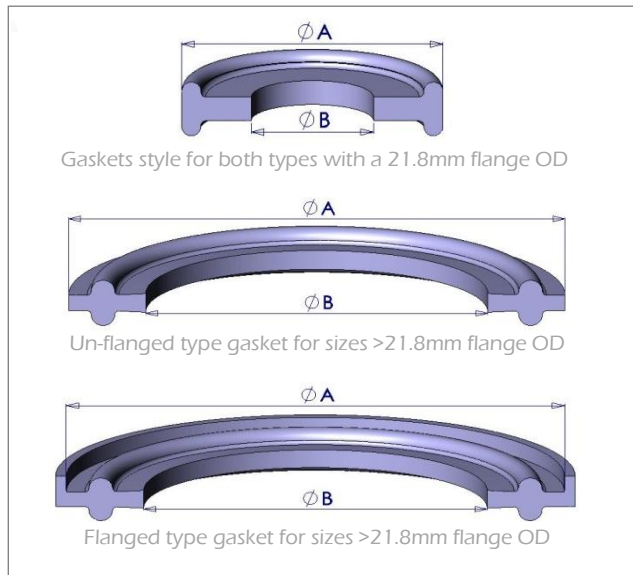
For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



DIN 32676 Series B Size (DN)	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
10.2	21.8	7.0	0.858	0.276	42DIN3B-XXX-10	42DIN3BF-XXX-10
13.5	21.8	10.3	0.858	0.406	42DIN3B-XXX-13	42DIN3BF-XXX-13
17.2	21.8	14.0	0.858	0.551	42DIN3B-XXX-17	42DIN3BF-XXX-17
21.3	50.5	18.1	1.988	0.713	40DIN3B-XXX-21	40DIN3BF-XXX-21
26.9	50.5	23.7	1.988	0.933	40DIN3B-XXX-26	40DIN3BF-XXX-26
33.7	50.5	29.7	1.988	1.169	40DIN3B-XXX-33	40DIN3BF-XXX-33
42.4	64.0	38.4	2.520	1.512	40DIN3B-XXX-42	40DIN3BF-XXX-42
48.3	64.0	44.3	2.520	1.744	40DIN3B-XXX-48	40DIN3BF-XXX-48
60.3	77.5	56.3	3.051	2.217	40DIN3B-XXX-60	40DIN3BF-XXX-60
76.1	91.0	72.1	3.583	2.839	40DIN3B-XXX-76	40DIN3BF-XXX-76
88.9	106.0	84.3	4.173	3.319	40DIN3B-XXX-88	40DIN3BF-XXX-88
114.3	130.0	109.7	5.118	4.319	40DIN3B-XXX-114	40DIN3BF-XXX-114
139.7	155.0	134.5	6.102	5.295	40DIN3B-XXX-139	40DIN3BF-XXX-139
168.3	183.0	163.1	7.205	6.421	40DIN3B-XXX-168	40DIN3BF-XXX-168
219.1	233.5	213.9	9.193	8.421	40DIN3B-XXX-219	40DIN3BF-XXX-219

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

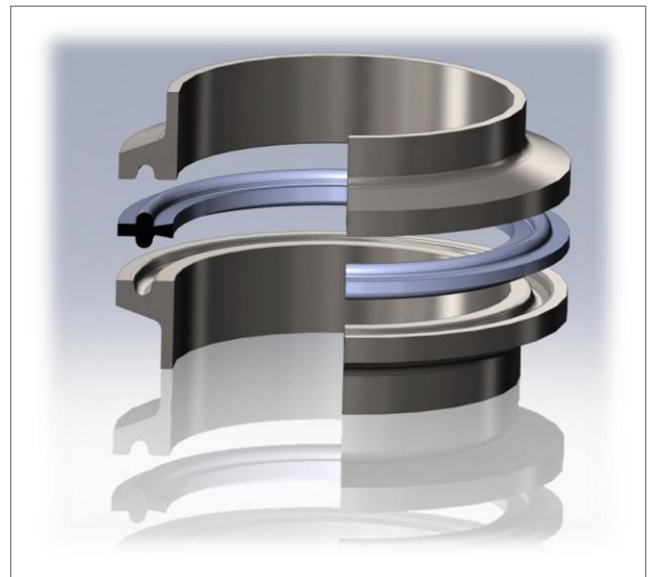
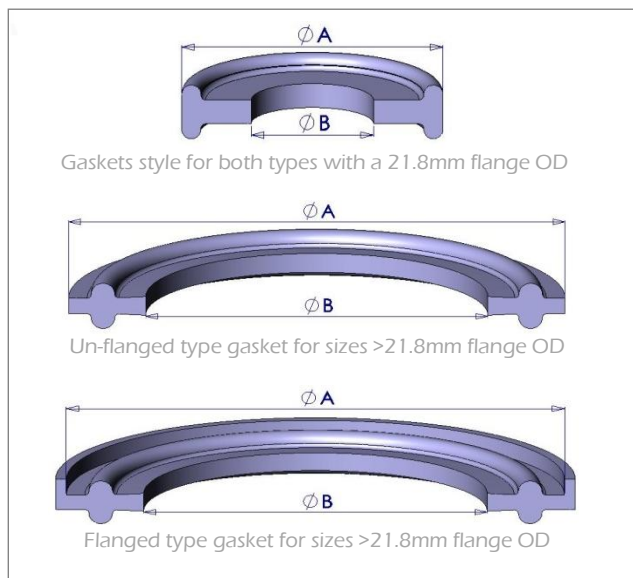
For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



DIN 32676 Series C Size (DN)	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
1/4"	21.8	4.6	0.858	0.180	42DIN3C-XXX-0.25	42DIN3CF-XXX-0.25
3/8"	21.8	7.8	0.858	0.305	42DIN3C-XXX-0.38	42DIN3CF-XXX-0.38
1/2"	21.8	9.4	0.858	0.370	42DIN3C-XXX-0.50	42DIN3CF-XXX-0.50
3/4"	21.8	15.8	0.858	0.620	42DIN3C-XXX-0.75	42DIN3CF-XXX-0.75
1"	50.5	22.1	1.988	0.870	40DIN3C-XXX-1.00	40DIN3CF-XXX-1.00
1 1/2"	50.5	34.8	1.988	1.370	40DIN3C-XXX-1.50	40DIN3CF-XXX-1.50
2"	64.0	47.5	2.520	1.870	40DIN3C-XXX-2.00	40DIN3CF-XXX-2.00
2 1/2"	77.5	60.2	3.051	2.370	40DIN3C-XXX-2.50	40DIN3CF-XXX-2.50
3"	91.0	72.9	3.583	2.870	40DIN3C-XXX-3.00	40DIN3CF-XXX-3.00
4"	119.0	97.4	4.685	3.834	40DIN3C-XXX-4.00	40DIN3CF-XXX-4.00
6"	167.0	146.9	6.575	5.782	40DIN3C-XXX-6.00	40DIN3CF-XXX-6.00

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

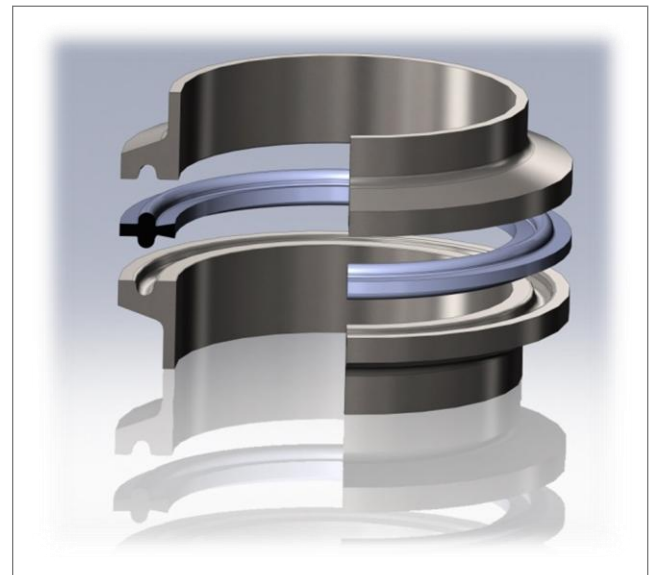
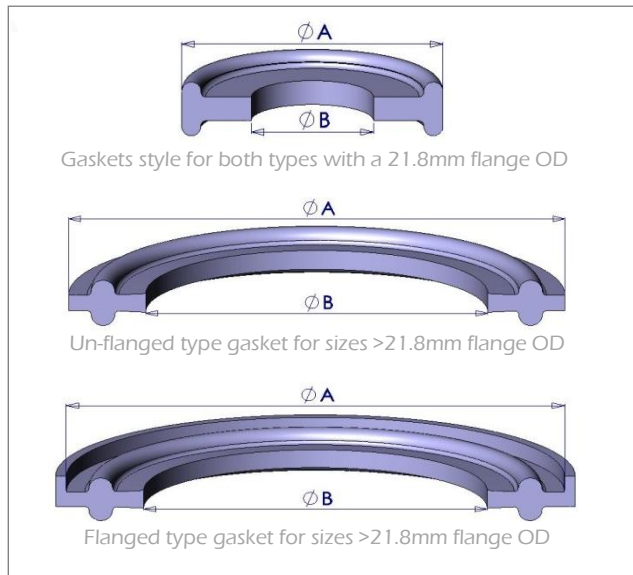
For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



ISO 1127 Nom. Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
10.2	34.0	7.0	1.339	0.276	40ISO 1-XXX-010	40ISO 1F-XXX-010
10.2	50.5	7.0	1.988	0.276	40ISO 1-XXX-F10	40ISO 1F-XXX-A10
13.5	34.0	10.3	1.339	0.406	40ISO 1-XXX-013	40ISO 1F-XXX-013
13.5	50.5	10.3	1.988	0.406	40ISO 1-XXX-F13	40ISO 1F-XXX-A13
17.2	34.0	14.0	1.339	0.551	40ISO 1-XXX-017	40ISO 1F-XXX-017
17.2	50.5	14.0	1.988	0.551	40ISO 1-XXX-F17	40ISO 1F-XXX-A17
21.3	34.0	18.1	1.339	0.713	40ISO 1-XXX-021	40ISO 1F-XXX-021
21.3	50.5	18.1	1.988	0.713	40ISO 1-XXX-F21	40ISO 1F-XXX-F21
26.9	50.5	23.7	1.988	0.933	40ISO 1-XXX-026	40ISO 1F-XXX-026
33.7	50.5	29.7	1.988	1.169	40ISO 1-XXX-033	40ISO 1F-XXX-033
42.4	64.0	38.4	2.520	1.512	40ISO 1-XXX-042	40ISO 1F-XXX-042
48.3	64.0	44.3	2.520	1.744	40ISO 1-XXX-048	40ISO 1F-XXX-048
60.3	77.5	56.3	3.051	2.217	40ISO 1-XXX-060	40ISO 1F-XXX-060
76.1	91.0	72.1	3.583	2.839	40ISO 1-XXX-076	40ISO 1F-XXX-076
88.9	106.0	84.3	4.173	3.319	40ISO 1-XXX-088	40ISO 1F-XXX-088
114.3	130.0	109.7	5.118	4.319	40ISO 1-XXX-114	40ISO 1F-XXX-114
139.7	155.0	134.5	6.102	5.295	40ISO 1-XXX-139	40ISO 1F-XXX-139
168.3	183.0	163.1	7.205	6.421	40ISO 1-XXX-168	40ISO 1F-XXX-168
219.1	233.5	213.9	9.193	8.421	40ISO 1-XXX-219	40ISO 1F-XXX-219

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

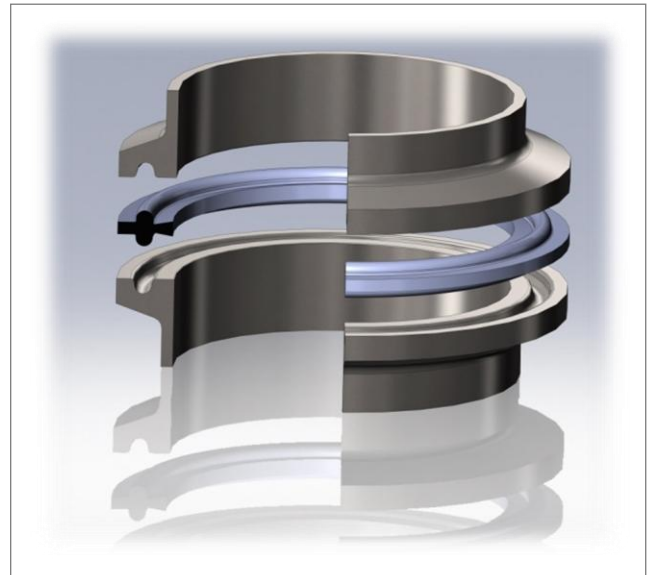
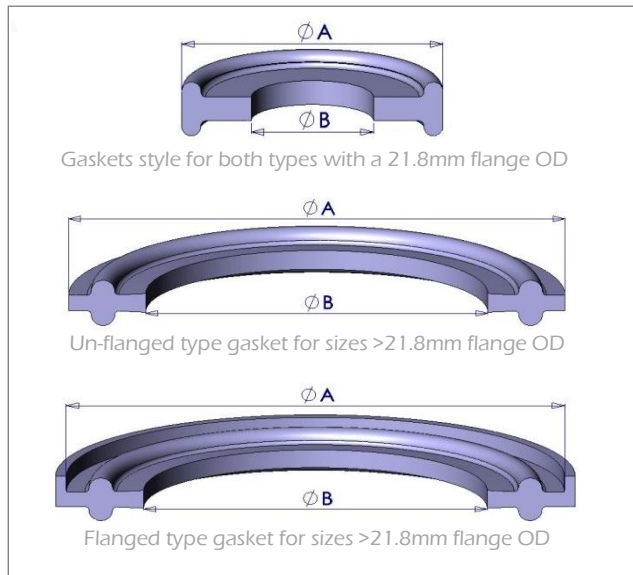
For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



ISO 2852 Nom. Size	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA Flange OD	ØB Bore ID	ØA Flange OD	ØB Bore ID	Type Flanged	Type Un-Flanged
12.0	34.0	10.0	1.339	0.394	40ISO2-XXX-012	40ISO2F-XXX-012
12.7	34.0	10.7	1.339	0.421	40ISO2-XXX-013	40ISO2F-XXX-013
17.2	34.0	15.2	1.339	0.598	40ISO2-XXX-017	40ISO2F-XXX-017
21.3	34.0	19.3	1.339	0.760	40ISO2-XXX-021	40ISO2F-XXX-021
25.0	50.5	22.6	1.988	0.890	40ISO2-XXX-025	40ISO2F-XXX-025
33.7	50.5	31.3	1.988	1.232	40ISO2-XXX-033	40ISO2F-XXX-033
38.0	50.5	35.6	1.988	1.402	40ISO2-XXX-038	40ISO2F-XXX-038
40.0	64.0	37.6	2.520	1.480	40ISO2-XXX-040	40ISO2F-XXX-040
51.0	64.0	48.6	2.520	1.913	40ISO2-XXX-051	40ISO2F-XXX-051
63.5	77.5	60.3	3.051	2.374	40ISO2-XXX-063	40ISO2F-XXX-063
70.0	91.0	66.8	3.583	2.630	40ISO2-XXX-070	40ISO2F-XXX-070
76.1	91.0	72.9	3.583	2.870	40ISO2-XXX-076	40ISO2F-XXX-076
88.9	106.0	84.9	4.173	3.343	40ISO2-XXX-088	40ISO2F-XXX-088
101.6	119.0	97.6	4.685	3.843	40ISO2-XXX-101	40ISO2F-XXX-101
114.3	130.0	110.3	5.118	4.343	40ISO2-XXX-114	40ISO2F-XXX-114
139.7	155.0	135.7	6.102	5.343	40ISO2-XXX-139	40ISO2F-XXX-139
168.3	183.0	163.1	7.205	6.421	40ISO2-XXX-168	40ISO2F-XXX-168
219.1	233.5	213.9	9.193	8.421	40ISO2-XXX-219	40ISO2F-XXX-219

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		



SMS 3008 / 3017*	Dimensions (mm)		Dimensions (Inches)		Gasket / Seal Ordering Code	
	ØA	ØB	ØA	ØB	Type	Type
	Nom. Size Flange OD	Bore ID	Flange OD	Bore ID	Flanged	Un-Flanged
12.0	21.8	10.0	0.858	0.394	40SMS3.XXX-012	40SMS3F.XXX-012
18.0	21.8	15.0	0.858	0.591	40SMS3.XXX-018	40SMS3F.XXX-018
25.0	50.5	22.6	1.988	0.890	40SMS3.XXX-025	40SMS3F.XXX-025
33.7*	50.5	31.3	1.988	1.232	40MS3.XXX-033	40SMS3F.XXX-033
38.0	50.5	35.6	1.988	1.402	40SMS3.XXX-038	40SMS3F.XXX-038
51.0	64.0	48.6	2.520	1.913	40SMS3.XXX-051	40SMS3F.XXX-051
63.5	77.5	60.3	3.051	2.374	40SMS3.XXX-063	40SMS3F.XXX-063
76.1	91.0	72.9	3.583	2.870	40SMS3.XXX-076	40SMS3F.XXX-076
101.6	119.0	97.6	4.685	3.843	40SMS3.XXX-101	40SMS3F.XXX-101

Bore ID dimensions are taken directly from the relevant fittings standards. FlowSmart's precision manufactured gaskets are designed and engineered to achieve a bacteria free, smooth bore transition when the fitting union is fully assembled and under clamping compression.

For Material Selection Replace 'XXX' With :					
Material	Code	Material	Code	Material	Code
BUNA-N	'U'	SILICONE (White)	'XW'	VITON (White)	'SFYW'
BUNA-N (White)	'UW'	SILICONE (Red)	'XR'	VITON GF600S (Black)	'SFYGF'
EPDM (Black)	'E'	TEFLON	'G'	PLATINUM SILICONE (Clear)	'RXPX'
EPDM (White)	'EW'	TEFLON (Blue)	'G-BL'	Polysteel PTFE/316L	'G-PS'
SILICONE (Clear)	'X'	VITON (Black)	'SFY'		