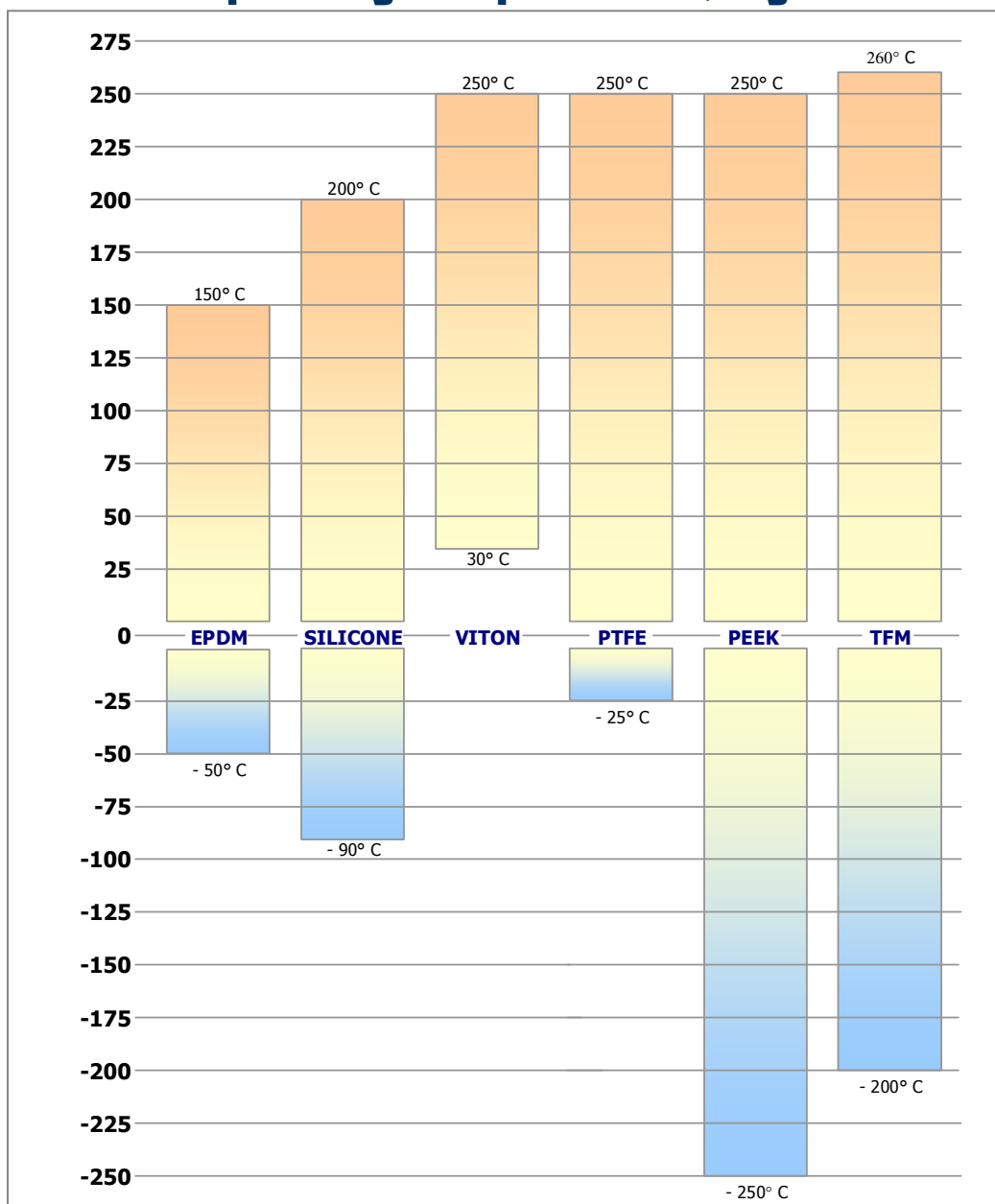


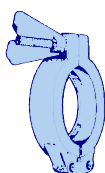
ACL Gasket Materials Operating Temperature Range



All Temperatures Are In CELCIUS
Gasket Operating Temperatures Are Based On 500 hours Of Normal Use

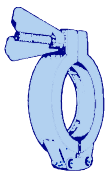
requirements – to the exact physical properties needed – as well as complying FDA, USPH, USDA and 3-A Sanitary Standards.

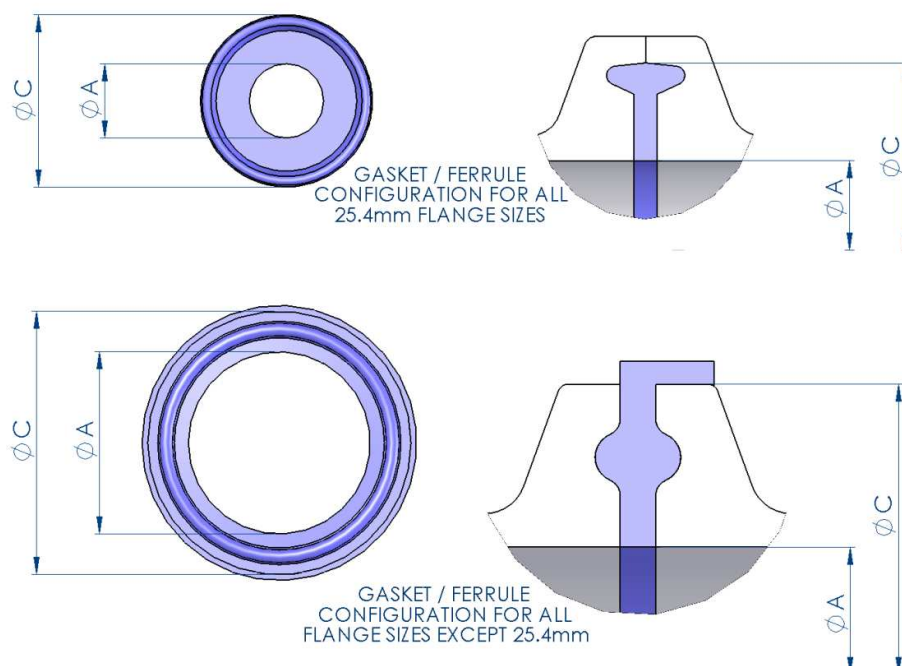
The temperature range quoted is for general guidance, for more accurate values the particular data sheet for the grade of compound needs to be referenced. For more comprehensive details of the chemical compatibility of materials reference should be made to ACL or other published documents.



ACL Gasket Materials
Chemical Compatibility

PROPERTY	EPDM	SILICONE	VITON	PTFE	PEEK	TFM
Tensile Strength	Good/Excellent	Good	Good/Excellent	Excellent	Excellent	Excellent
Electrical Properties	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Weather Resistance	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Ozone Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Heat Resistance	Excellent 150°C	Excellent 200°C	Excellent 250°C	Excellent 250°C	Excellent 250°C	Excellent 260°C
Cold Resistance	Good/Excellent (-50°C)	Excellent (-90°C)	Good (-30°C)	Failed (-25°C)	Excellent (-250°C)	Excellent (-200°C)
Steam Resistance	Good	Good	Good	Excellent	Excellent	Excellent
Tear Resistance	Good	Excellent	Fair	Excellent	Excellent	Excellent
Abrasion Resistance	Good/Excellent	Good/Excellent	Good	Excellent	Excellent	Excellent
Acid Resistance	Good/Excellent	Good	Good	Excellent	Un-Rivalled Excellence	Excellent
Petroleum Oil Resistance	Poor	Good	Excellent	Excellent	Excellent	Excellent
Flame Resistance	Poor	Poor	Good	Excellent	Excellent	Excellent
Vegetable Oil Resistance	Good (most)	Good (intermittent)	Excellent	Excellent	Excellent	Excellent
Ozone Sunlight Service Temp.	Excellent 150°C	Excellent 145°C	Excellent 150°C	Excellent 250°C	Excellent 250°C	Excellent 260°C
Compression Set: Steam Sterilisation	Good	Excellent 121°C-140°C	Good	Cold	Excellent	Cold





GASKETS - BS4825 Pt.3

Nominal Size Inch	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
1/2"	9.52	22.0*	GK.BS.0050
3/4"	15.87	22.0*	GK.BS.0075
1"	22.20	50.5	GK.BS.0100
1 1/2"	34.90	50.5	GK.BS.0150
2"	47.60	64.0	GK.BS.0200
2 1/2"	60.30	77.5	GK.BS.0250
3"	73.00	91.0	GK.BS.0300
3 1/2"	84.70	106.0	GK.BS.0350
4"	97.60	119.0	GK.BS.0400
4 1/2"	110.30	130.0	GK.BS.0450
5"	123.00	144.4	GK.BS.0500
5 1/2"	135.76	155.0	GK.BS.0550
6"	150.00	167.0	GK.BS.0600
6 5/8"	163.10	183.0	GK.BS.0658
8"	200.00	217.4	GK.BS.0800
8 5/8"	213.90	233.5	GK.BS.0858
10"	250.00	268.0	GK.BS.1000
10 5/8"	266.30	286.1	GK.BS.1058
12"	300.80	319.0	GK.BS.1200
12 5/8"	315.90	338.0	GK.BS.1258

GASKETS - BS4825 Pt.3

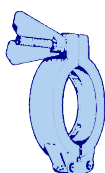
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
Silicone Translucent	.ST
VITON® Green	.VG
VITON® Black	.VB
EPDM USP Class VI	.E6
Silicone USP Class VI	.S6
PTFE Solid	.PS
PTFE Envelope	.PE

Ordering Code Example

4" BS EPDM Blue = **GK.BS.0400.EU**

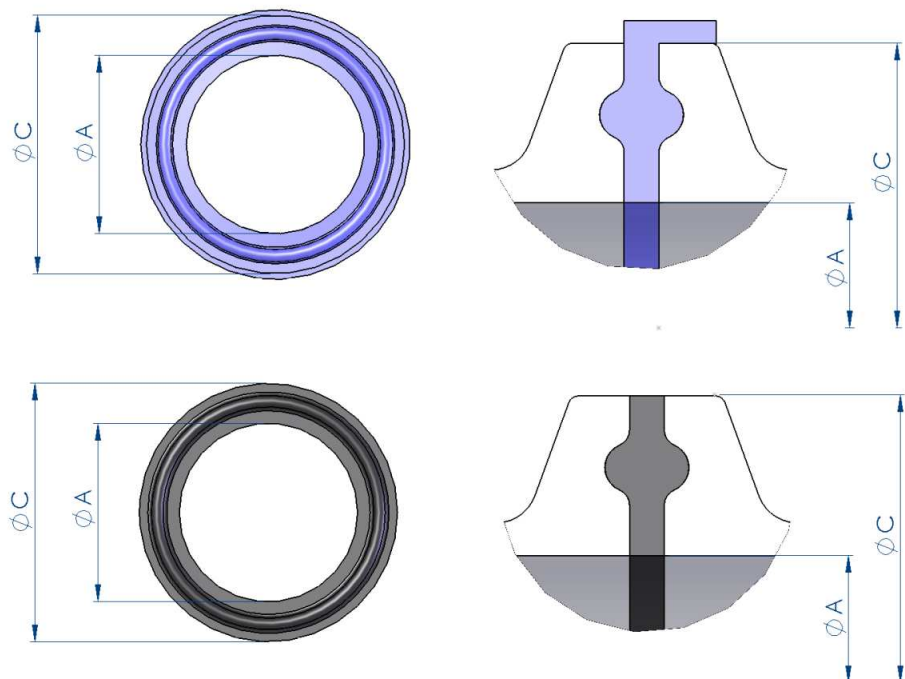
Available compound colours may vary please enquire prior to ordering.

* Ferrule flange size = 25.4mm



PHARMACEUTICAL
GASKETS
BS SCHEDULE 5

Elastomer Gaskets	Un-Lipped – Type 1
PTFE Gaskets	Lipped – Type 2

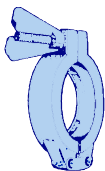


GASKETS - BS SCHEDULE 5			
Nominal Size Inch	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
1/2"	18.03	50.5	GK.BS05.0050
3/4"	23.37	50.5	GK.BS05.0075
1"	30.10	50.5	GK.BS05.0100
1 1/4"	38.86	50.5	GK.BS05.0125
1 1/2"	44.96	64.0	GK.BS05.0150
2"	57.02	77.5	GK.BS05.0200
2 1/2"	68.81	91.0	GK.BS05.0250
3"	84.68	106.0	GK.BS05.0300
3 1/2"	97.38	119.0	GK.BS05.0350
4"	110.08	130.0	GK.BS05.0400
5"	135.76	155.0	GK.BS05.0500
6"	162.74	183.0	GK.BS05.0600
8"	213.54	233.5	GK.BS05.0800
10"	266.25	286.1	GK.BS05.1000
12"	315.93	338.0	GK.BS05.1200

GASKETS - BS SCHEDULE 5	
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
Silicone Translucent	.ST
VITON® Black	.VB
PTFE Solid	.PS
PTFE Envelope	.PE

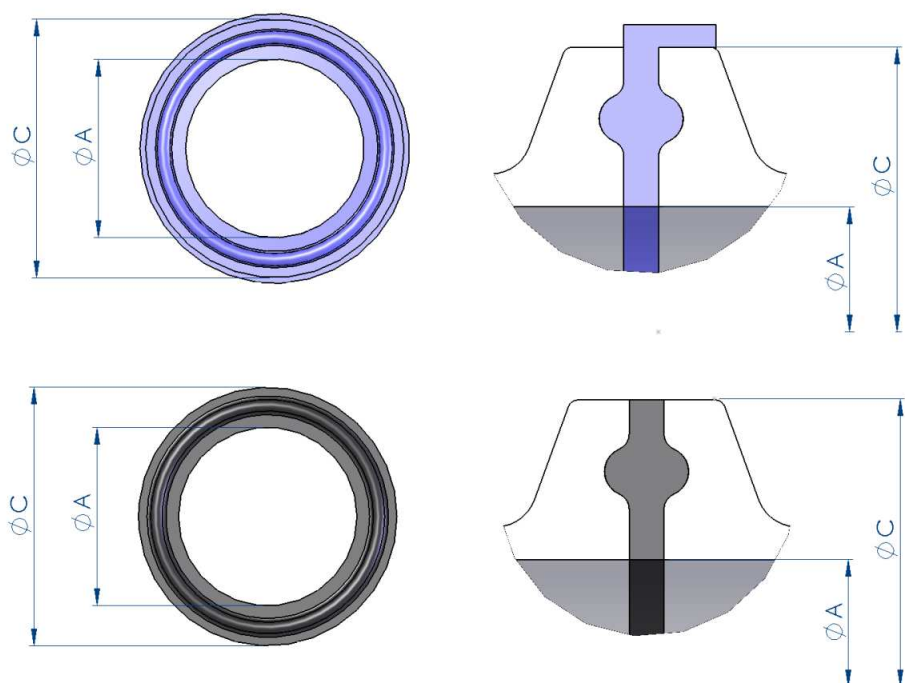
Ordering Code Example	
4 Sch 5" EPDM Blue = GK.BS05.0400.EU	

Available compound colours may vary please enquire prior to ordering.



Elastomer Gaskets	Un-Lipped – Type 1
PTFE Gaskets	Lipped – Type 2

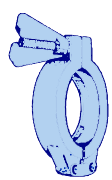
PHARMACEUTICAL GASKETS BS SCHEDULE 10



GASKETS - BS SCHEDULE 10			
Nominal Size Inch	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
1/2"	17.12	50.5	GK.BS10.0050
3/4"	22.45	50.5	GK.BS10.0075
1"	27.86	50.5	GK.BS10.0100
1 1/4"	36.62	50.5	GK.BS10.0125
1 1/2"	42.72	64.0	GK.BS10.0150
2"	54.79	77.5	GK.BS10.0200
2 1/2"	66.93	91.0	GK.BS10.0250
3"	82.80	106.0	GK.BS10.0300
3 1/2"	95.50	119.0	GK.BS10.0350
4"	108.20	130.0	GK.BS10.0400
5"	134.50	155.0	GK.BS10.0500
6"	161.47	183.0	GK.BS10.0600
8"	211.56	233.5	GK.BS10.0800
10"	264.67	286.1	GK.BS10.1000
12"	314.71	338.0	GK.BS10.1200

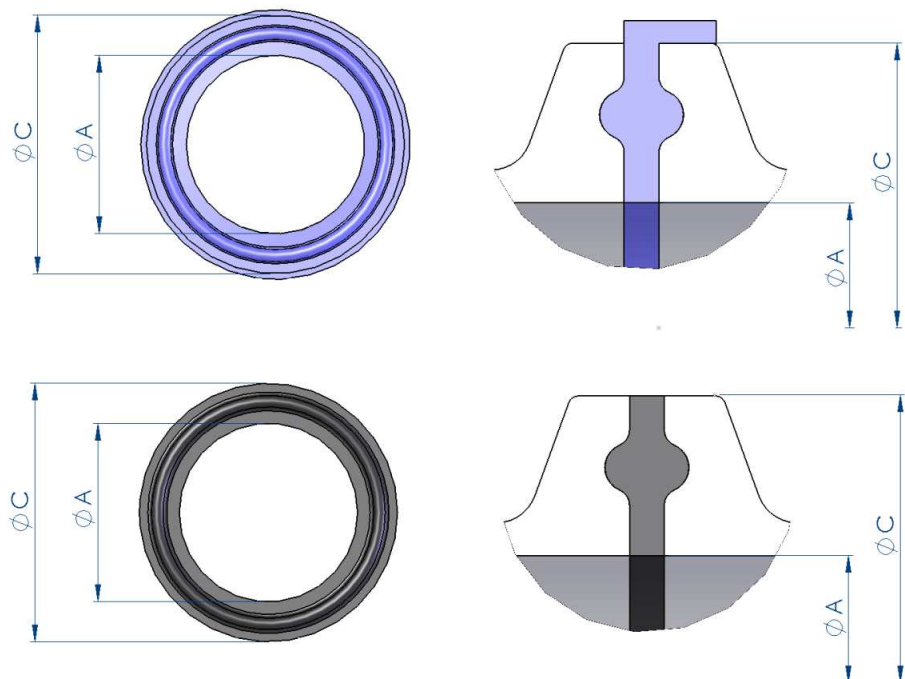
GASKETS - BS SCHEDULE 10	
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
Silicone Translucent	.ST
VITON® Black	.VB
PTFE Solid	.PS
PTFE Envelope	.PE
Ordering Code Example	
4 Sch 10" EPDM Blue = GK.BS10.0400.EU	

Available compound colours may vary please enquire prior to ordering.



PHARMACEUTICAL
GASKETS
BS SCHEDULE 40

Elastomer Gaskets	Un-Lipped – Type 1
PTFE Gaskets	Lipped – Type 2

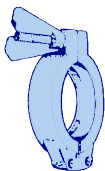


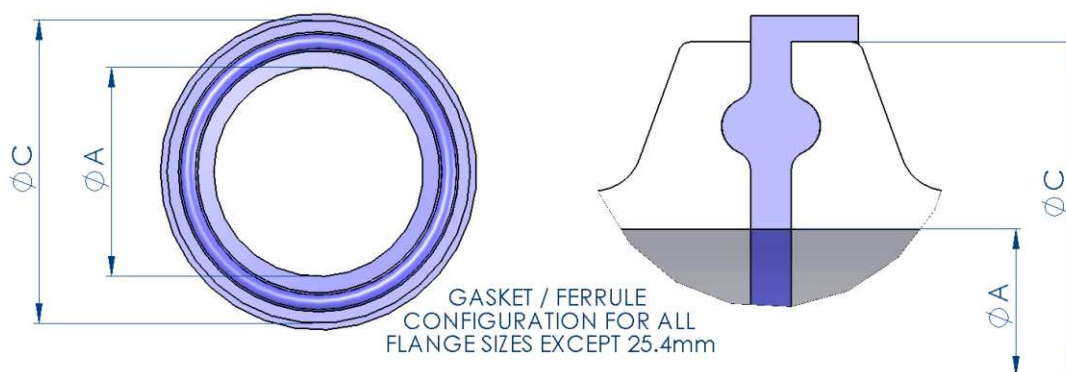
GASKETS - BS SCHEDULE 40			
Nominal Size Inch	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
1/2"	15.80	50.5	GK.BS40.0050
3/4"	20.93	50.5	GK.BS40.0075
1"	26.64	50.5	GK.BS40.0100
1 1/4"	35.04	50.5	GK.BS40.0125
1 1/2"	40.88	64.0	GK.BS40.0150
2"	52.51	77.5	GK.BS40.0200
2 1/2"	62.71	91.0	GK.BS40.0250
3"	77.92	106.0	GK.BS40.0300
3 1/2"	90.12	119.0	GK.BS40.0350
4"	102.26	130.0	GK.BS40.0400
5"	128.20	155.0	GK.BS40.0500
6"	154.06	183.0	GK.BS40.0600
8"	202.72	233.5	GK.BS40.0800
10"	254.51	286.1	GK.BS40.1000
12"	304.79	338.0	GK.BS40.1200

GASKETS - BS SCHEDULE 40	
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
Silicone Translucent	.ST
VITON® Black	.VB
PTFE Solid	.PS
PTFE Envelope	.PE

Ordering Code Example	
4 Sch 40" EPDM Blue = GK.BS40.0400.EU	

Available compound colours may vary
please enquire prior to ordering.




GASKETS - DIN 32676 - STANDARD

Nominal Size Metric	Dimensions (mm)		Size Ordering Code
	ID $\varnothing A$	Flange $\varnothing C$	
DIN 10	10.0	34.0	GK.DN.010
DIN 15	16.0	34.0	GK.DN.015
DIN 20	20.0	34.0	GK.DN.020
DIN 25	26.0	50.5	GK.DN.025
DIN 32	32.0	50.5	GK.DN.032
DIN 40	38.0	50.5	GK.DN.040
DIN 50	50.0	64.0	GK.DN.050
DIN 65	66.0	91.0	GK.DN.065
DIN 80	81.0	106.0	GK.DN.080
DIN 100	100.0	119.0	GK.DN.100
DIN 125	125.0	155.0	GK.DN.125
DIN 150	150.0	183.0	GK.DN.150
DIN 200	200.0	233.5	GK.DN.200

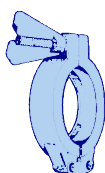
GASKETS - DIN 32676

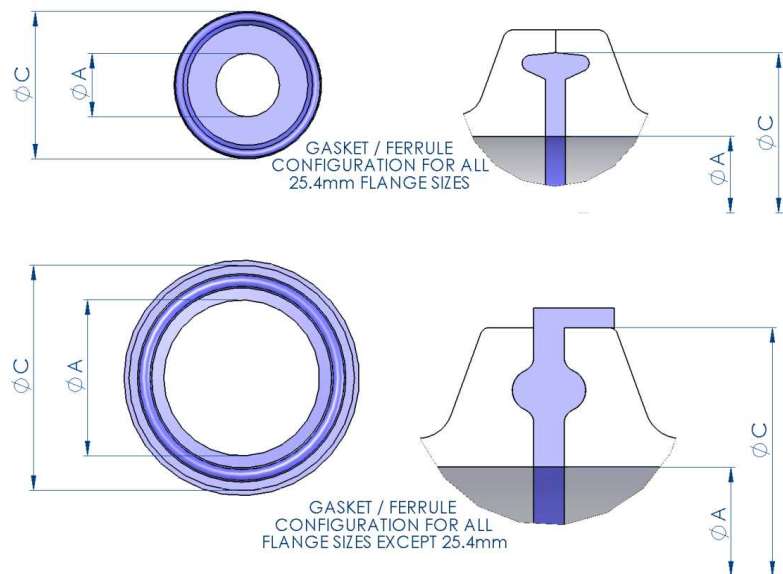
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
VITON® Green	.VG
PTFE Solid	.PS
PTFE Envelope	.PE

Ordering Code Example

 DN10 EPDM Black = **GK.DN.010.EK**
GASKETS - DIN 32676 - NON STANDARD

Nominal Size Metric	Dimensions (mm)		Size Ordering Code
	ID $\varnothing A$	Flange $\varnothing C$	
DIN 125	125.0	144.4	GK.DNX.125
DIN 150	150.0	167.0	GK.BS.0600
DIN 200	200.0	217.4	GK.BS.0800
DIN 250	250.0	268.0	GK.BS.1000
DIN 300	300.0	319.0	GK.BS.1200

 Available compound colours may vary
please enquire prior to ordering.




GASKETS - ISO 1127 SERIES 1			
Nominal Size ISO (DN)	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
8	10.3	22.0*	GK.IS1.D008
10	14.0	22.0*	GK.IS1.D010
15	18.1	50.5	GK.IS1.D015
20	22.9	50.5	GK.IS1.D020
25	29.7	50.5	GK.IS1.D025
32	38.4	64.0	GK.IS1.D032
40	44.3	64.0	GK.IS1.D040
50	56.3	77.5	GK.IS1.D050
65	72.1	91.0	GK.IS1.D065
80	84.9	106.0	GK.IS1.D080
100	110.3	130.0	GK.IS1.D100
125	135.7	155.0	GK.IS1.D125
150	163.1	183.0	GK.IS1.D150
200	213.9	233.5	GK.IS1.D200
250	267.8	286.1	GK.IS1.D250
300	318.7	338.5	GK.IS1.D300

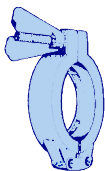
GASKETS - ISO 1127 VARIATIONS			
Nominal Size ISO (DN)	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
8	10.3	34.0	GK.IS1X.D008.A
8	10.3	50.5	GK.IS1X.D008.B
10	14.0	34.0	GK.IS1X.D010.A
10	14.0	50.5	GK.IS1X.D010.B
15	18.1	34.0	GK.IS1X.D015.A
20	23.7	50.5	GK.IS1X.D020.B
25	30.5	50.5	GK.IS1X.D025.A
25	31.3	50.5	GK.IS1X.D025.B
65	72.9	91.0	GK.IS1X.D065.A

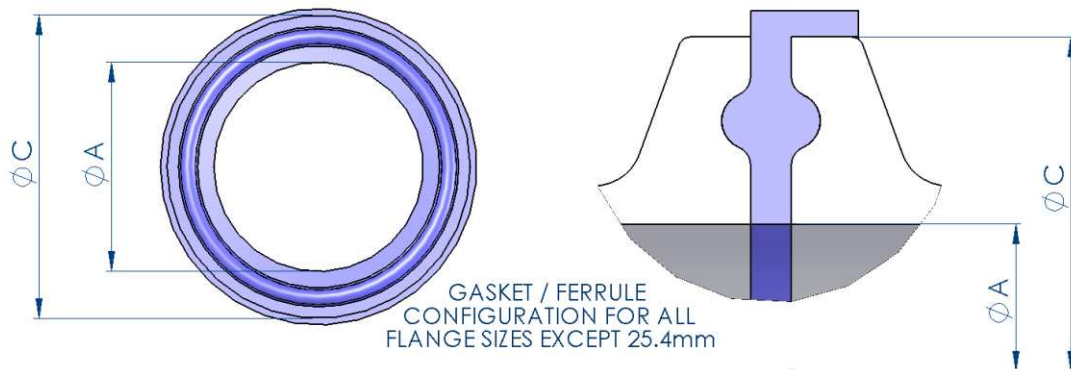
GASKETS - ISO 1127	
Material Type	Ordering Code
EPDM Black	.EK
Silicone Translucent	.ST
VITON® Black	.VB
PTFE Solid	.PS
PTFE Envelope	.PE

Ordering Code Example	
ISO DN32 PTFE Solid = GK.IS1.D032.PS	

Available compound colours may vary
please enquire prior to ordering.

* Ferrule flange size = 25.4mm




GASKETS - ISO 2037 SERIES 1

Nominal Size Metric	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
20.0	17.60	50.5	GK.IS21.M020
25.0	22.60	50.5	GK.IS21.M025
38.0	35.60	50.5	GK.IS21.M038
40.0	37.60	50.5	GK.IS21.M040
51.0	48.60	64.0	GK.IS21.M051

GASKETS - ISO 2037 SERIES 2

Nominal Size Metric	Dimensions (mm)		Size Ordering Code
	ID ØA	Flange ØC	
25.0	21.80	50.5	GK.IS22.M025
38.0	34.80	50.5	GK.IS22.M038
40.0	36.80	50.5	GK.IS22.M040
51.0	47.80	64.0	GK.IS22.M051
63.5	60.30	77.5	GK.IS22.M063
70.0	66.80	91.0	GK.IS22.M070
101.6	97.60	119.0	GK.IS22.M101

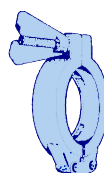
GASKETS - ISO 2037

Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
VITON® Green	.VG
VITON® Black	.VB
PTFE Solid	.PS
PTFE Envelope	.PE

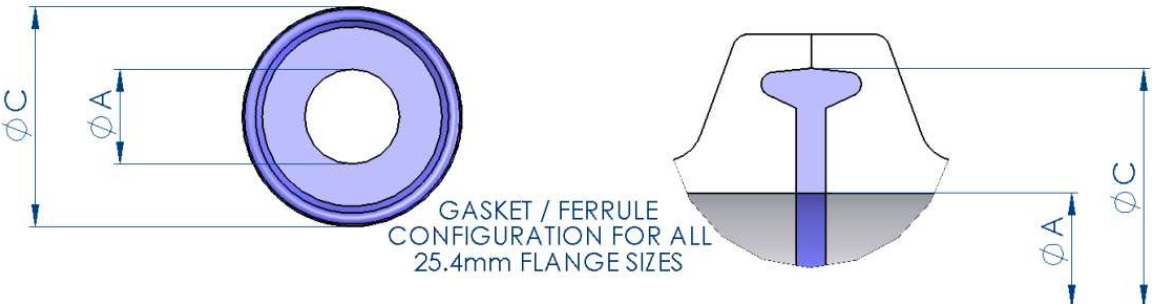
Ordering Code Example

EPDM Black Size 38.0 = **GK.IS21.M038.EK**

Available compound colours may vary
please enquire prior to ordering.



PHARMACEUTICAL
GASKETS
MINI SERIES – ULTRA BORE



GASKETS - MINI-SERIES METRIC			
Nominal Size Metric	Dimensions (mm)		Size Ordering Code
	ID $\varnothing A$	Flange $\varnothing C$	
4	4.0	22.0*	GK.MS.04
6	6.0	22.0*	GK.MS.06
8	8.0	22.0*	GK.MS.08
10	10.0	22.0*	GK.MS.10
12	12.0	22.0*	GK.MS.12
14	14.0	22.0*	GK.MS.14
16	16.0	22.0*	GK.MS.16

GASKETS - MINI-SERIES IMPERIAL			
Nominal Size Imperial	Dimensions (mm)		Size Ordering Code
	ID $\varnothing A$	Flange $\varnothing C$	
1/4"	4.57	22.0*	GK.MSI.025
3/8"	7.71	22.0*	GK.MSI.038
1/2"	9.52	22.0*	GK.MSI.050
3/4"	15.87	22.0*	GK.MSI.075

GASKETS - ULTRA BORE	
Material Type	Ordering Code
EPDM Blue	.EU
EPDM Black	.EK
Silicone White	.SW
Silicone Translucent	.ST
VITON® Green	.VG
PTFE Solid	.PS
PTFE Envelope	.PE

Ordering Code Example	
10mm EPDM Blue = GK.MS.10.EU	

Available compound colours may vary please enquire prior to ordering.

* Ferrule flange size = 25.4mm please enquire prior to ordering.

This results in the inner bore of the mini-series gaskets measuring larger than the ferrule size they have been designed and manufactured to suit.

For Example: Mini-Series 14mm EPDM Gasket Measure's 15.0mm ID When Not Under Compression

