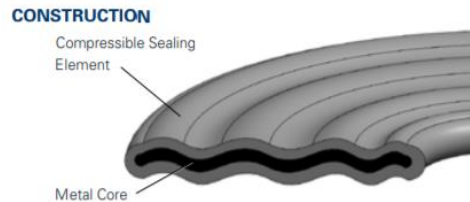


Garlock Corrugated Metal Gaskets (CMG)

Garlock corrugated metal gaskets (CMG) are high performance gaskets that provide superior sealing capability and reliability, even in the most difficult applications. Each of the four styles is constructed of a corrugated metal core with a soft non-metallic facing material designed to provide resistance to harsh conditions, including extreme temperature, corrosive chemicals, and thermal cycling.



Configurations



GRAPHONIC® GASKET (STYLE 603)

- Flexible graphite sealing element
- Accommodates a wide range of temperatures
- Seals effectively during thermal cycling
- Fire safe—passed API 6FB fire tests
- Chemically resistant



G.E.T.™ GASKET (STYLE 607)

- Flexible graphite and ePTFE sealing elements
- Combines fire safety with chemical resistance
- Conforms to minor sealing surface imperfections
- Rigid yet compressible



TEPHONIC® GASKET (STYLE 604)

- ePTFE sealing element
- Chemically inert
- Creates a tight seal under low bolt load
- Conforms to minor sealing surface imperfections
- Withstands temperatures to 500°F (260°C)



THERPHONIC™ GASKET (613)

- THERMa-PUR® sealing element
- Improved resistance to oxidizing media
- Withstands temperatures to 1800°F (982°C)
- Resists water and provides electrical isolation reducing the possibility of corrosion between flanges of dissimilar metals

Available Facing Materials

Material	Minimum Temperature*	Maximum Temperature*
ePTFE [†]	-400°F (-240°C)*	500°F (260°C)
ePTFE [†] & Flexible Graphite (G.E.T.)	-400°F (-240°C)*	500°F (260°C)
Flexible Graphite (APX-2) [†]	-350°F (-212°C)*	850°F (454°C)
THERMa-PUR™	N/A	1832°F (1000°C)*

*NOTE: Minimum and maximum temperature rating of the finished gasket may be limited by the metal(s) used in the gasket construction.

[†]Contact Garlock Applications Engineering at 800-448-6688 for values on facing materials not shown. Other grades of graphite available upon request. GYLON can also be used in place of ePTFE on TEPHONIC and G.E.T. Gaskets.

Tolerances

Inner Diameter		Outer Diameter	
Up to 12.00"	+/- 0.062"	Up to 16.125"	+ 0.0"/- 0.062"
Over 12.00"	+/- 0.125"	Over 16.125"	+ 0.0"/- 0.125"

Full Face Dimensions	
Bolt Circle Diameter	+/- 0.062"
Center to Center (adjacent bolt holes)	+/- 0.031"

Nominal Thickness	Typical Thk Range
1/16"	0.060" to 0.090"
1/8"	0.105" To 0.135"

Temperature Limits for Metals

Material	Minimum		Maximum		Abbreviation
	°F	°C	°F	°C	
304 Stainless Steel	-320	-195	1,400	760	304
316L Stainless Steel	-150	-100	1,400	760	316L
317L Stainless Steel	-150	-100	1,400	760	317L
321 Stainless Steel	-320	-195	1,400	760	321
347 Stainless Steel	-320	-195	1,700	925	347
Carbon Steel	-40	-40	1,000	540	CRS
20Cb-3 (Alloy 20)	-300	-185	1,400	760	A-20
HASTELLOY® B 2	-300	-185	2,000	1,090	HAST B
HASTELLOY® C 276	-300	-185	2,000	1,090	HAST C
INCOLOY® 800	-150	-100	1,600	870	IN 800
INCOLOY® 825	-150	-100	1,600	870	IN 825
INCONEL® 600	-150	-100	2,000	1,090	INC 600
INCONEL® 625	-150	-100	2,000	1,090	INC 625
INCONEL® X750	-150	-100	2,000	1,090	INX
MONEL® 400	-200	-130	1,500	820	MON
Nickel 200	-320	-195	1,400	760	NI
Titanium	-320	-195	2,000	1,090	TI

Rev. June 2019