

STEAMWORKS

Price List 2023



Serving the Boiler Industry for 75 Years.

Our Mission Can Be Summed Up in One Word - SEALITAL®
We Believe It So Much We've Trademarked It.

- ▶ **Boiler Gaskets**
- ▶ **Flange Gaskets**
- ▶ **ePTFE Joint Sealant**
- ▶ **High Temperature Textiles**
- ▶ **Gasket Materials**



BLUE-MAX® Non-Asbestos Boiler Gaskets

▼ Strong. Reliable. Long-Lasting.

O. G. Supply, LLC introduces the BLUE-MAX® manhole and handhole gaskets, engineered to provide all the durability, resilience, and sealing properties of an asbestos gasket, but without the asbestos. A BLUE-MAX® gasket is manufactured from a proprietary tacky cloth of glass, synthetic fibers, and brass wire, impregnated with a

blue elastomer compound. The material is cut and formed to the desired size and shape, then coated with a proprietary Teflon material per MIL SPEC T-27730A. The finished gasket is easily installed, delivers trouble-free service, and does its part to reduce expensive boiler maintenance and downtime.

▼ Key BLUE-MAX® Advantages

Zero Leakage Under Pressure. Even the slightest leakage is too much, as it increases maintenance and reduces boiler life. Tests by major boiler manufacturers confirm that Blue-Max® gaskets seal with zero leakage in steam to 450 psi and can withstand working temperatures up to 500°F. Rubber gaskets simply can't take that kind of pressure and heat.

Easily Removed. BLUE-MAX® gaskets will not stick to the plate after being in service. Removal is easy and requires no chiseling or buffing. This is important in reducing maintenance costs and boiler downtime.

Sizes Clearly Marked. Each gasket is permanently and clearly marked with its size, so you'll know immediately that you have the appropriate one.

Easy, Problem-Free Installation. BLUE-MAX® gaskets offer installation advantages over other types. Because of the material's construction and strength, there is no danger of overtightening the gasket and cutting it in half. A BLUE-MAX® gasket naturally lays flat on the flange, and requires no special installation tools, procedures or training. Simply install the gasket and crank it down.

Interchangeable Sizes. Corresponding obround and oval sizes are interchangeable, thanks to the unique properties of the material. It is not necessary to stock separate gaskets to accommodate slight size variations, and chances of a dangerous mismatch are reduced.

Why BLUE-MAX® is a ▼ Better Boiler Gasket

- Easily Removed
- Sizes Clearly Marked
- Interchangeable Sizes
- Maximum Sealing on Rough Surfaces
- Zero Leakage Under Pressure
- Easy Problem-Free Installation
- Chemical-Resistant
- Extended Shelf Life

Maximum Sealing on Rough Surfaces. Rough and pitted surfaces on old or poorly maintained flanges pose no problem for a BLUE-MAX® gasket. The material is resilient enough to conform perfectly to surface topography and maintain the tightest possible seal.

Chemical-Resistance. The proprietary Teflon coating is resistant to the chemicals used in treating boiler water, so gasket life will be longer.

Extended Shelf Life. A BLUE-MAX® gasket won't dry out or lose its strength while it sits on the shelf.



STEAMWORKS

BLUE-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
2.00 x 2.50	\$9.93	\$11.46	\$13.10	\$16.73
2.00 x 3.00	\$11.27	\$12.36	\$13.92	\$18.49
2.00 x 4.00	\$11.76	\$13.41	\$15.05	\$18.66
2.25 x 3.00	\$10.07	\$11.46	\$12.95	\$16.22
2.25 x 3.25	\$10.67	\$12.12	\$13.65	\$16.99
2.25 x 3.50	\$11.28	\$12.76	\$14.34	\$17.78
2.25 x 3.75	\$11.76	\$13.41	\$15.05	\$18.58
2.50 x 3.25	\$11.37	\$12.86	\$14.43	\$17.83
2.50 x 3.50	\$11.76	\$13.41	\$15.05	\$18.51
2.50 x 3.75	\$12.12	\$13.63	\$15.19	\$18.62
2.50 x 4.00	\$12.09	\$13.77	\$15.47	\$18.88
2.75 x 3.50	\$12.00	\$13.46	\$15.01	\$18.37
2.75 x 3.75	\$12.09	\$13.77	\$15.85	\$18.84
2.75 x 4.25	\$12.55	\$14.29	\$15.93	\$19.14
2.75 x 4.50	\$12.62	\$14.48	\$15.93	\$19.30
2.75 x 4.75	\$12.87	\$14.80	\$16.83	\$20.24
3.00 x 3.50	\$12.09	\$13.77	\$15.47	\$18.83
3.00 x 3.75	\$12.50	\$13.94	\$15.45	\$18.71
3.00 x 4.00	\$12.55	\$14.29	\$15.85	\$19.12
3.00 x 4.25	\$12.62	\$14.48	\$15.93	\$19.24
3.00 x 4.50	\$12.87	\$14.80	\$16.83	\$20.17
3.00 x 4.75	\$13.90	\$15.37	\$16.92	\$20.22
3.00 x 5.00	\$13.13	\$15.13	\$16.13	\$19.81
3.25 x 4.25	\$12.87	\$14.80	\$16.83	\$20.14
3.25 x 4.50	\$13.73	\$15.16	\$16.65	\$19.85
3.25 x 4.75	\$13.13	\$15.13	\$16.13	\$19.72
3.25 x 5.00	\$14.31	\$15.74	\$17.25	\$20.46
3.25 x 5.25	\$14.90	\$16.35	\$17.90	\$21.18
3.50 x 4.00	\$12.87	\$14.80	\$16.83	\$20.11
3.50 x 4.25	\$13.88	\$15.30	\$16.80	\$20.01
3.50 x 4.50	\$13.13	\$15.13	\$16.13	\$19.67
3.50 x 5.00	\$14.45	\$15.85	\$17.31	\$20.44
3.50 x 5.50	\$13.94	\$16.13	\$18.49	\$21.72

BLUE-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
3.75 x 4.75	\$14.47	\$15.86	\$17.30	\$20.41
3.75 x 5.25	\$13.94	\$16.13	\$18.49	\$21.68
3.75 x 5.50	\$16.14	\$17.64	\$19.16	\$22.42
4.00 x 5.00	\$13.94	\$16.13	\$18.49	\$21.66
4.00 x 5.25	\$16.23	\$17.67	\$19.19	\$22.42
4.00 x 5.50	\$14.31	\$16.63	\$19.06	\$22.21
4.00 x 5.75	\$16.75	\$18.20	\$19.71	\$22.93
4.00 x 6.00	\$14.69	\$17.11	\$19.67	\$22.83
4.50 x 5.00	\$14.31	\$16.63	\$19.06	\$22.16
4.50 x 5.50	\$14.69	\$17.11	\$19.67	\$22.77
4.50 x 6.00	\$18.05	\$19.53	\$21.04	\$24.26
4.50 x 6.50	\$19.33	\$20.85	\$22.43	\$25.77
4.50 x 10.25	\$28.83	\$30.77	\$32.79	\$36.94
5.00 x 6.00	\$18.09	\$19.47	\$20.94	\$23.98
5.00 x 6.75	\$19.22	\$20.64	\$22.11	\$25.21
5.00 x 7.00	\$16.13	\$19.05	\$21.97	\$25.02
5.00 x 7.50	\$20.31	\$21.76	\$23.25	\$26.38
5.75 x 7.25	\$19.72	\$21.07	\$22.43	\$25.29
6.00 x 7.50	\$20.07	\$21.39	\$22.74	\$25.55
6.00 x 8.00	\$17.67	\$20.92	\$24.15	\$27.05
6.00 x 8.50	\$22.96	\$24.37	\$25.84	\$28.90
6.00 x 9.00	\$24.42	\$25.92	\$27.42	\$30.60
6.00 x 10.00	\$27.17	\$28.77	\$30.36	\$33.76
6.25 x 8.25	\$23.97	\$25.45	\$26.96	\$30.11
6.50 x 8.50	\$25.74	\$27.26	\$28.84	\$32.14
7.00 x 9.00	\$29.17	\$30.81	\$32.50	\$35.99
7.00 x 10.00	\$32.40	\$34.14	\$35.96	\$39.68
7.50 x 10.25	\$37.15	\$39.09	\$41.05	\$45.12
7.50 x 11.50	\$41.27	\$43.29	\$35.62	\$44.75
8.00 x 10.00	\$39.55	\$41.56	\$34.66	\$43.22
8.00 x 11.00	\$41.42	\$43.44	\$35.62	\$44.75
8.00 x 12.00	\$43.28	\$45.32	\$36.88	\$46.29

**BLUE-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
9.00 x 11.00	\$36.88	\$46.29	\$56.15	\$74.88
9.00 x 12.00	\$38.36	\$48.09	\$58.01	\$77.35
9.00 x 13.00	\$39.45	\$49.58	\$59.94	\$79.91
9.00 x 14.00	\$63.27	\$51.15	\$70.89	\$94.51
9.50 x 14.00	\$60.96	\$65.73	\$70.68	\$94.26
9.50 x 15.50	\$63.77	\$68.57	\$73.56	\$98.08
9.75 x 14.50	\$59.94	\$64.50	\$69.25	\$92.32
9.75 x 14.75	\$59.37	\$63.88	\$68.54	\$91.38
10.00 x 14.00	\$55.01	\$59.20	\$63.56	\$84.75
10.00 x 15.00	\$56.98	\$61.22	\$65.61	\$87.48
10.00 x 16.00	\$44.06	\$55.58	\$67.81	\$90.40
10.50 x 14.00	\$54.95	\$59.04	\$63.30	\$84.41
10.50 x 14.50	\$42.93	\$54.99	\$65.91	\$87.88
10.50 x 15.00	\$43.25	\$54.63	\$66.84	\$89.12
10.75 x 14.75	\$43.25	\$54.63	\$66.84	\$89.12
11.00 x 14.00	\$42.93	\$54.99	\$65.91	\$87.88
11.00 x 14.50	\$43.25	\$54.63	\$66.84	\$89.12
11.00 x 14.75	\$58.98	\$63.19	\$67.54	\$90.06
11.00 x 15.00	\$44.06	\$55.58	\$67.81	\$90.40
11.00 x 16.00	\$45.13	\$57.43	\$69.49	\$92.67
11.25 x 14.00	\$56.42	\$60.50	\$64.72	\$86.28
11.25 x 15.25	\$61.29	\$65.56	\$69.96	\$93.30
11.50 x 14.00	\$43.25	\$54.63	\$66.84	\$89.12
11.50 x 14.50	\$44.06	\$55.58	\$67.81	\$90.40
11.50 x 15.50	\$45.13	\$57.43	\$69.49	\$92.67
11.75 x 15.25	\$45.13	\$57.43	\$69.49	\$92.67
11.75 x 15.50	\$62.06	\$66.26	\$70.61	\$94.13
11.75 x 15.75	\$45.29	\$57.70	\$70.49	\$94.00
12.00 x 15.00	\$45.13	\$57.14	\$69.49	\$92.67
12.00 x 15.50	\$45.29	\$57.70	\$70.49	\$94.00
12.00 x 16.00	\$46.25	\$58.67	\$71.43	\$95.26

**BLUE-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
12.50 x 15.50	\$46.25	\$58.67	\$71.43	\$95.26
12.50 x 16.25	\$60.35	\$64.25	\$68.26	\$90.99
12.50 x 16.50	\$60.19	\$64.03	\$68.01	\$90.68
14.00 x 18.00	\$63.54	\$64.97	\$79.19	\$105.60
14.50 x 18.00	\$70.62	\$74.67	\$78.81	\$105.08
16.00 x 18.00	\$82.71	\$87.22	\$91.83	\$122.45
18.00 x 21.00	\$106.15	\$111.28	\$116.49	\$155.34
18.00 x 24.00	\$114.46	\$119.68	\$124.98	\$166.65

NOTE: BLUE-MAX® sizes are not restricted to the sizes shown on the price sheets. Prices above are for both Elliptical and Obround shape. If the flange width of the Elliptical or Obround gasket you desire is not shown above, please use the next available larger width (ie: ¾" use 1"). For sizes not shown on the price pages, please contact O.G. Supply, LLC.

**PLEASE CHECK WITH YOUR O.G. SUPPLY SALES REPRESENTATIVE
FOR APPLICABLE DISCOUNTS. MINIMUM PURCHASE OF \$25**

STEAMWORKS



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Subject to change without notice.

Toll Free: 800.394.7846
Phone: 210.370.7990
Fax: 210.314.2295

BLACK-MAX® Hi-Temp Boiler Gaskets

▼ Strong. Reliable. Long-Lasting.

Looking for a gasket that stands up to extreme pressure? That offers leak-free performance even on rough, pitted surfaces? You need the new BLACK-MAX® gasket-made from foil-reinforced, exfoliated graphite. These gaskets are made from multiple layers of exfoliated graphite foil and 316 stainless steel foil insuring gasket stability. You can use them in virtually any situation, in environments that run from a cryogenic -400°F to 1,200°F steam temperature up to 2,000 psi. Now you can standardize your gasket selection, they are available in popular shapes: Oval, obround, rectangular, round, and square.

▼ Key BLACK-MAX® Advantages

No Leakage Under Pressure. Even the slightest leakage will increase maintenance requirements and reduce your product's life. Field tests by major end-users confirm that BLACK-MAX® gaskets seal with zero leakage in steam and in cold-water hydro tests. BLACK-MAX® withstands working steam temperatures up to 1,200°F. Rubber gaskets can't withstand that kind of pressure and heat.

Easy Removal. Removal is easy and requires no scraping, chiseling or grinding - resulting in lower maintenance costs and less downtime.

Clearly Marked Sizes. Each gasket's size is permanently marked, so you'll know immediately that you have the one you need.

Maximum Sealing on Rough Surfaces. Rough and pitted surfaces on old or poorly maintained flanges pose no problem for BLACK-MAX® gaskets: the material is resilient enough to conform perfectly to the surface topography and maintain the tightest seal.

Chemical Resistance. The proprietary graphite used to manufacture BLACK-MAX® is chemically inert (pH 0 -14) and resistant to chemicals used in treating boiler water.

Custom BLACK-MAX® gaskets are no problem and can be designed and produced without tooling charges!

▼ Say Goodbye to Spiral-Wound Gaskets

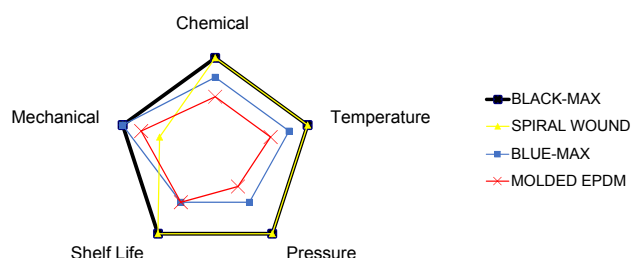
Compared to spiral wound gaskets, the BLACK-MAX® gaskets seal better and have much better recovery properties. They also weigh less than half of that of spiral gaskets, so they're easier to handle and you'll save on freight charges. And while spiral gaskets require near-perfect conditions, BLACK-MAX® gaskets seal on rough, pitted surfaces under less compressive load.

Extended Shelf Life. BLACK-MAX® gaskets won't dry out or lose their strength while sitting on the shelf.

Top-Rated Service. For 74 years, O.G. Supply has provided fast, responsive service. We stock all popular sizes and offer 24-hour turnaround on special orders.

▼ Ideal Applications for BLACK-MAX®

- Steam pressure vessels
- Hot water heaters
- De-mineralizers
- Steam humidifiers
- Water purifiers
- Refrigeration units
- Filtering units
- Liquid treatment vessels
- Compressed air tanks
- Dryer cans in paper mills
- Water towers
- Water softeners
- De-aerators
- Make-up tanks



STEAMWORKS

BLACK-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
2.00 x 2.50	\$4.79	\$5.53	\$6.33	\$8.08
2.00 x 3.00	\$5.45	\$5.81	\$6.14	\$8.96
2.00 x 4.00	\$6.14	\$6.53	\$6.91	\$9.68
2.25 x 3.00	\$5.23	\$5.96	\$6.74	\$8.43
2.25 x 3.25	\$5.54	\$6.31	\$7.11	\$8.84
2.25 x 3.50	\$5.87	\$6.62	\$7.47	\$9.24
2.25 x 3.75	\$6.18	\$6.99	\$7.82	\$9.67
2.50 x 3.25	\$5.72	\$6.48	\$7.27	\$8.97
2.50 x 3.50	\$5.81	\$6.54	\$7.30	\$8.99
2.50 x 3.75	\$6.12	\$6.87	\$7.67	\$9.39
2.50 x 4.00	\$6.39	\$6.75	\$7.17	\$9.74
2.75 x 3.50	\$6.17	\$6.92	\$7.72	\$9.43
2.75 x 3.75	\$6.50	\$7.28	\$8.09	\$9.87
2.75 x 4.25	\$7.16	\$7.99	\$8.84	\$10.70
2.75 x 4.50	\$7.50	\$8.34	\$9.21	\$11.11
2.75 x 4.75	\$7.82	\$8.69	\$9.59	\$11.54
3.00 x 3.50	\$6.32	\$7.06	\$7.83	\$9.53
3.00 x 3.75	\$6.36	\$7.08	\$7.83	\$9.51
3.00 x 4.00	\$6.57	\$6.94	\$7.35	\$9.75
3.00 x 4.25	\$6.75	\$7.01	\$7.46	\$9.94
3.00 x 4.50	\$6.94	\$7.04	\$7.48	\$10.17
3.00 x 4.75	\$7.27	\$8.05	\$8.85	\$10.57
3.00 x 5.00	\$7.04	\$7.48	\$7.93	\$10.17
3.25 x 4.25	\$6.56	\$7.26	\$7.98	\$9.54
3.25 x 4.50	\$6.86	\$7.56	\$8.31	\$9.92
3.25 x 4.75	\$7.16	\$7.89	\$8.66	\$10.29
3.25 x 5.00	\$7.47	\$8.21	\$8.99	\$10.67
3.25 x 5.25	\$7.78	\$8.54	\$9.33	\$11.05
3.50 x 4.00	\$6.59	\$7.29	\$8.02	\$9.59
3.50 x 4.25	\$6.92	\$7.62	\$8.37	\$9.97
3.50 x 4.50	\$7.26	\$7.98	\$8.75	\$10.38
3.50 x 5.00	\$7.89	\$8.66	\$9.47	\$11.16
3.50 x 5.50	\$8.54	\$9.33	\$10.17	\$11.95

BLACK-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
3.75 x 4.75	\$7.98	\$8.75	\$9.54	\$11.26
3.75 x 5.25	\$8.66	\$9.47	\$10.29	\$12.06
3.75 x 5.50	\$8.99	\$9.84	\$10.67	\$12.48
4.00 x 5.00	\$8.18	\$8.32	\$9.14	\$11.35
4.00 x 5.25	\$8.35	\$9.12	\$9.89	\$11.55
4.00 x 5.50	\$8.27	\$8.42	\$9.30	\$11.37
4.00 x 5.75	\$8.31	\$9.02	\$9.77	\$11.38
4.00 x 6.00	\$8.32	\$8.51	\$9.50	\$10.60
4.50 x 5.00	\$9.32	\$10.14	\$10.97	\$12.77
4.50 x 5.50	\$10.09	\$10.93	\$11.82	\$13.67
4.50 x 6.00	\$10.85	\$11.73	\$12.65	\$14.58
4.50 x 6.50	\$11.60	\$12.53	\$13.47	\$15.47
4.50 x 10.25	\$17.31	\$18.49	\$19.68	\$22.20
5.00 x 6.00	\$11.82	\$12.73	\$13.67	\$15.68
5.00 x 6.75	\$13.06	\$14.01	\$15.03	\$17.11
5.00 x 7.00	\$13.41	\$14.45	\$15.14	\$17.59
5.00 x 7.50	\$14.29	\$15.33	\$16.35	\$18.54
5.75 x 7.25	\$14.72	\$15.70	\$16.73	\$18.87
6.00 x 7.50	\$14.80	\$15.74	\$16.74	\$18.83
6.00 x 8.00	\$15.45	\$16.45	\$17.49	\$19.61
6.00 x 8.50	\$16.86	\$17.90	\$18.97	\$21.22
6.00 x 9.00	\$18.29	\$19.40	\$20.53	\$22.89
6.00 x 10.00	\$20.67	\$21.89	\$23.14	\$25.69
6.25 x 8.25	\$18.71	\$19.85	\$21.04	\$23.51
6.50 x 8.50	\$20.41	\$21.63	\$22.87	\$25.48
7.00 x 9.00	\$23.49	\$24.83	\$26.19	\$29.01
7.00 x 10.00	\$26.51	\$27.93	\$29.38	\$32.44
7.50 x 10.25	\$30.23	\$31.81	\$33.40	\$36.71
7.50 x 11.50	\$34.39	\$36.09	\$37.82	\$41.40
8.00 x 10.00	\$41.08	\$43.15	\$45.28	\$48.18
8.00 x 11.00	\$44.75	\$46.96	\$47.90	\$50.87
8.00 x 12.00	\$48.46	\$50.75	\$50.43	\$53.56

**BLACK-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
9.00 x 11.00	\$50.42	\$54.88	\$59.54	\$64.38
9.00 x 12.00	\$54.04	\$57.29	\$60.70	\$68.45
9.00 x 13.00	\$56.88	\$60.24	\$63.74	\$71.55
9.00 x 14.00	\$59.64	\$63.19	\$66.88	\$74.61
9.50 x 14.00	\$62.72	\$67.65	\$72.74	\$78.03
9.50 x 15.50	\$68.75	\$73.94	\$79.29	\$84.86
9.75 x 14.50	\$66.18	\$71.23	\$76.46	\$81.89
9.75 x 14.75	\$67.23	\$72.31	\$77.59	\$83.04
10.00 x 14.00	\$65.54	\$70.55	\$75.76	\$81.11
10.00 x 15.00	\$69.74	\$74.92	\$80.32	\$85.84
10.00 x 16.00	\$71.47	\$75.41	\$79.45	\$87.57
10.50 x 14.00	\$71.22	\$76.54	\$82.02	\$87.70
10.50 x 14.50	\$72.04	\$77.33	\$82.80	\$88.46
10.50 x 15.00	\$72.74	\$78.03	\$83.49	\$89.11
10.75 x 14.75	\$73.11	\$78.41	\$83.88	\$89.52
11.00 x 14.00	\$69.43	\$73.20	\$77.14	\$85.12
11.00 x 14.50	\$71.13	\$74.96	\$78.92	\$87.59
11.00 x 14.75	\$72.74	\$77.94	\$83.29	\$88.85
11.00 x 15.00	\$72.77	\$76.70	\$80.71	\$90.08
11.00 x 16.00	\$78.28	\$83.71	\$89.29	\$95.06
11.25 x 14.00	\$69.59	\$74.58	\$79.78	\$85.14
11.25 x 15.25	\$75.14	\$80.37	\$85.78	\$91.35
11.50 x 14.00	\$70.92	\$75.98	\$81.22	\$86.60
11.50 x 14.50	\$73.20	\$78.32	\$83.66	\$89.14
11.50 x 15.50	\$77.74	\$83.04	\$88.55	\$94.20
11.75 x 15.25	\$78.06	\$83.37	\$88.88	\$94.53
11.75 x 15.50	\$79.21	\$84.58	\$90.10	\$95.81
11.75 x 15.75	\$80.37	\$85.78	\$91.35	\$97.11
12.00 x 15.00	\$77.14	\$81.11	\$85.34	\$94.82
12.00 x 15.50	\$78.92	\$82.95	\$87.15	\$97.42
12.00 x 16.00	\$80.73	\$84.90	\$89.17	\$100.03

**BLACK-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
12.50 x 15.50	\$80.01	\$85.28	\$90.69	\$96.26
12.50 x 16.25	\$83.52	\$88.90	\$94.42	\$100.16
12.50 x 16.50	\$84.68	\$90.10	\$95.70	\$101.44
14.00 x 18.00	\$100.16	\$105.98	\$111.98	\$118.15
14.50 x 18.00	\$104.69	\$110.67	\$116.84	\$123.18
16.00 x 18.00	\$114.42	\$120.65	\$127.07	\$133.64
18.00 x 21.00	\$146.87	\$153.95	\$161.19	\$168.58
18.00 x 24.00	\$166.35	\$173.92	\$181.65	\$189.56

NOTE: BLACK-MAX® gasket sizes are not restricted to the sizes shown on the price list. This price list is per the individual gasket in ¼" nominal thickness for both Elliptical or Obround shapes. If the flange width desired is not shown above, please use the next available larger width (ie: 9/16" use 5/8"). For sizes not shown on the price pages, please contact O.G. Supply, LLC.

**PLEASE CHECK WITH YOUR O.G. SUPPLY SALES REPRESENTATIVE
FOR APPLICABLE DISCOUNTS. MINIMUM PURCHASE OF \$25**

STEAMWORKS



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Phone: 210.370.7990
Fax: 210.314.2295

WHITE-MAX® Boiler Gaskets

Material Composition and Application

WHITE-MAX® gaskets are especially designed for inspection ports of boilers and tanks. They provide reliable sealability with this low stress and exceptional dimension stability.

This form of gasketing is processed by expanding 100% pure polytetrafluoroethylene (PTFE). The result is a bi-directional, soft, highly compressible gasket for longer life and trouble-free sealing. Its form-in-place versatility is perfect for sealing boiler plates that are worn, warped or scored. The high compressibility of the WHITE-MAX® gasket enables it to effectively fill flange imperfections for a tight, leak-free seal. Unlike conventional PTFE which is prone to cold flow WHITE-MAX® has good creep resistance and bolt torque retention properties. It does not support bacterial growth or cause product contamination and is FDA compliant. It has virtually no shelf-life concerns since PTFE is unaffected by normal environmental conditions.

WHITE-MAX® has excellent resistance properties to chemical attack. It is ideal for most chemical services at temperatures to -450°F (-268°C) to 600°F (315°C) and pressure to 3,000 psi (206 bar). When high levels of CO₂

in the steam and condensate require increased levels of neutralizing amines to prevent condensate corrosion. This chemical injection with increasing alkalinity could potentially contest the upper limits of resistance with other gasket compounds. In challenging thermal cycling and elevated temperature applications, the WHITE-MAX® gasket solution can reduce the process safety and production downtime risks caused by the use of an incorrect gasket material.

WHITE-MAX® Advantages:

- High adaptability, suitable for flanges with corrosion and with uneven sealing surface
- Pressure test and service with the same gasket
- Very easy installation and removal
- Anti-sticking material, low effort for surface cleaning when installing a new gasket
- No embrittlement of the gasket in storage or in service
- Pure PTFE, conforms to FDA standards

PHYSICAL PROPERTIES

Temperature Minimum	-450°F (-268°C)
Temperature Maximum/Spike	500°F/600°F (260°C/315°C)
Pressure	Full Vacuum to 3000 psi (206.8 bar)
pH	0-14 (Except molten Alkali Metals and Elemental Fluorine)
Compressibility (ASTM F36)	55-62%
Recovery (ASTM F36)	12%
Creep Relaxation (ASTM F38)	32% @ 212°F 16% @ 73°F
Sealability (ASTM F37B)	
ASTM Fuel A	0.00 ml/hr
Nitrogen	0.02 ml/hr
Gas Permeability (DIN 3535)	0.00 cc/min
Ignition Loss (ASTM F495)	30%
Density	0.85 g/cm ³

STEAMWORKS

WHITE-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
2.00 x 2.50	\$9.23	\$12.33	\$14.16	\$18.20
2.00 x 3.00	\$10.55	\$13.97	\$15.93	\$20.22
2.00 x 4.00	\$13.19	\$17.26	\$19.47	\$24.27
2.25 x 3.00	\$11.44	\$15.04	\$17.07	\$21.50
2.25 x 3.25	\$12.15	\$15.93	\$18.01	\$22.56
2.25 x 3.50	\$12.87	\$16.82	\$18.96	\$23.64
2.25 x 3.75	\$13.57	\$17.70	\$19.91	\$24.72
2.50 x 3.25	\$13.08	\$17.07	\$19.22	\$23.90
2.50 x 3.50	\$13.85	\$18.01	\$20.22	\$25.04
2.50 x 3.75	\$14.62	\$18.96	\$21.23	\$26.17
2.50 x 4.00	\$15.39	\$19.91	\$22.25	\$27.31
2.75 x 3.50	\$14.84	\$19.22	\$21.50	\$26.43
2.75 x 3.75	\$15.67	\$20.22	\$22.56	\$27.63
2.75 x 4.25	\$17.31	\$22.25	\$24.72	\$30.02
2.75 x 4.50	\$18.14	\$23.26	\$25.79	\$31.23
2.75 x 4.75	\$18.96	\$24.27	\$26.86	\$32.43
3.00 x 3.50	\$15.84	\$20.42	\$22.76	\$27.81
3.00 x 3.75	\$16.71	\$21.50	\$23.90	\$29.08
3.00 x 4.00	\$17.59	\$22.56	\$25.04	\$30.34
3.00 x 4.25	\$18.48	\$23.64	\$26.17	\$31.61
3.00 x 4.50	\$19.35	\$24.72	\$27.31	\$32.88
3.00 x 4.75	\$20.22	\$25.79	\$28.45	\$34.13
3.00 x 5.00	\$21.12	\$26.86	\$29.58	\$35.40
3.25 x 4.25	\$19.63	\$25.04	\$27.63	\$33.19
3.25 x 4.50	\$20.56	\$26.17	\$28.82	\$34.51
3.25 x 4.75	\$21.50	\$27.31	\$30.02	\$35.84
3.25 x 5.00	\$22.43	\$28.45	\$31.23	\$37.16
3.25 x 5.25	\$23.36	\$29.58	\$32.43	\$38.50
3.50 x 4.00	\$19.79	\$25.23	\$27.81	\$33.38
3.50 x 4.25	\$20.78	\$26.43	\$29.08	\$34.77
3.50 x 4.50	\$21.76	\$27.63	\$30.34	\$36.16
3.50 x 5.00	\$23.74	\$30.02	\$32.88	\$38.94
3.50 x 5.50	\$25.73	\$32.43	\$35.40	\$41.72

WHITE-MAX® HAND HOLE GASKETS ARE ONLY SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.

Elliptical or Obround Inside Diameters	½" Width	⅝" Width	¾" Width	1" Width
3.75 x 4.75	\$24.02	\$30.34	\$33.19	\$39.26
3.75 x 5.25	\$26.11	\$32.88	\$35.84	\$42.17
3.75 x 5.50	\$27.16	\$34.13	\$37.16	\$43.62
4.00 x 5.00	\$26.38	\$33.19	\$36.16	\$42.48
4.00 x 5.25	\$27.49	\$34.51	\$37.56	\$44.00
4.00 x 5.50	\$28.59	\$35.84	\$38.94	\$45.52
4.00 x 5.75	\$29.69	\$37.16	\$40.32	\$47.03
4.00 x 6.00	\$30.78	\$38.50	\$41.72	\$48.55
4.50 x 5.00	\$29.02	\$36.35	\$39.45	\$46.03
4.50 x 5.50	\$31.44	\$39.26	\$42.48	\$49.30
4.50 x 6.00	\$33.87	\$42.17	\$45.52	\$52.60
4.50 x 6.50	\$36.28	\$45.07	\$48.55	\$55.87
4.50 x 10.25	\$54.42	\$66.88	\$71.31	\$80.54
5.00 x 6.00	\$36.94	\$45.83	\$49.30	\$56.64
5.00 x 6.75	\$40.89	\$50.57	\$54.24	\$61.95
5.00 x 7.00	\$42.21	\$52.14	\$55.87	\$63.72
5.00 x 7.50	\$44.86	\$55.31	\$59.17	\$67.26
5.75 x 7.25	\$48.98	\$60.18	\$64.16	\$72.50
6.00 x 7.50	\$52.32	\$64.16	\$68.27	\$76.86
6.00 x 8.00	\$55.41	\$67.83	\$72.07	\$80.91
6.00 x 8.50	\$58.48	\$71.50	\$75.85	\$84.96
6.00 x 9.00	\$61.56	\$75.15	\$79.65	\$89.00
6.00 x 10.00	\$67.72	\$82.50	\$87.24	\$97.11
6.25 x 8.25	\$58.98	\$72.07	\$76.43	\$85.53
6.50 x 8.50	\$62.67	\$76.43	\$80.91	\$90.27
7.00 x 9.00	\$70.36	\$85.53	\$90.27	\$100.14
7.00 x 10.00	\$77.39	\$93.87	\$98.87	\$109.23
7.50 x 10.25	\$84.10	\$101.77	\$106.95	\$117.71
7.50 x 11.50	\$93.45	\$112.84	\$118.34	\$129.57
8.00 x 10.00	\$87.07	\$105.25	\$110.49	\$121.37
8.00 x 11.00	\$94.99	\$114.61	\$120.10	\$131.48
8.00 x 12.00	\$102.89	\$123.97	\$129.72	\$141.59

**WHITE-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
9.00 x 11.00	\$132.75	\$144.63	\$157.03	\$169.92
9.00 x 12.00	\$143.38	\$155.76	\$168.66	\$182.06
9.00 x 13.00	\$153.99	\$166.89	\$180.28	\$194.19
9.00 x 14.00	\$164.61	\$178.02	\$191.92	\$206.33
9.50 x 14.00	\$172.45	\$186.10	\$200.26	\$214.93
9.50 x 15.50	\$189.14	\$203.55	\$218.47	\$233.89
9.75 x 14.50	\$182.06	\$196.09	\$210.63	\$225.67
9.75 x 14.75	\$184.90	\$199.06	\$213.73	\$228.90
10.00 x 14.00	\$180.28	\$194.19	\$208.61	\$223.53
10.00 x 15.00	\$191.92	\$206.33	\$221.24	\$236.68
10.00 x 16.00	\$203.55	\$218.47	\$233.89	\$249.82
10.50 x 14.00	\$188.13	\$202.28	\$216.94	\$232.13
10.50 x 14.50	\$194.19	\$208.61	\$223.53	\$238.95
10.50 x 15.00	\$200.26	\$214.93	\$230.10	\$245.77
10.75 x 14.75	\$201.34	\$216.00	\$231.16	\$246.85
11.00 x 14.00	\$195.96	\$210.37	\$225.29	\$240.72
11.00 x 14.50	\$202.28	\$216.94	\$232.13	\$247.80
11.00 x 14.75	\$205.45	\$220.24	\$235.54	\$251.34
11.00 x 15.00	\$208.61	\$223.53	\$238.95	\$254.88
11.00 x 16.00	\$221.24	\$236.68	\$252.61	\$269.04
11.25 x 14.00	\$199.87	\$214.42	\$229.46	\$245.01
11.25 x 15.25	\$216.00	\$231.16	\$246.85	\$263.04
11.50 x 14.00	\$203.80	\$218.47	\$233.65	\$249.31
11.50 x 14.50	\$210.37	\$225.29	\$240.72	\$256.66
11.50 x 15.50	\$223.53	\$238.95	\$254.88	\$271.32
11.75 x 15.25	\$224.48	\$239.90	\$255.82	\$272.26
11.75 x 15.50	\$227.83	\$243.38	\$259.42	\$275.99
11.75 x 15.75	\$231.16	\$246.85	\$263.04	\$279.72
12.00 x 15.00	\$225.29	\$240.72	\$256.66	\$273.08
12.00 x 15.50	\$232.13	\$247.80	\$263.98	\$280.67
12.00 x 16.00	\$238.95	\$254.88	\$271.32	\$288.26

**WHITE-MAX® MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES.
FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.**

Elliptical or Obround Inside Diameters	¾" Width	1" Width	1-¼" Width	1-½" Width
12.50 x 15.50	\$240.72	\$256.66	\$273.08	\$290.03
12.50 x 16.25	\$251.34	\$267.65	\$284.46	\$301.79
12.50 x 16.50	\$254.88	\$271.32	\$288.26	\$305.69
14.00 x 18.00	\$305.69	\$323.65	\$342.12	\$361.08
14.50 x 18.00	\$315.56	\$333.76	\$352.48	\$371.70
16.00 x 18.00	\$345.15	\$364.11	\$383.58	\$403.55
18.00 x 21.00	\$443.77	\$465.24	\$487.25	\$509.75
18.00 x 24.00	\$502.94	\$525.93	\$549.45	\$573.47

NOTE: WHITE-MAX® gasket priced above are for ⅛" thickness. For gaskets ¼" thickness, multiply list price by 2.5 before discounting. This price list is per the individual gasket for both Elliptical or Obround shapes. If the flange width desired is not shown above, please use the next available larger width (ie: ⅝" use ¾"). For sizes not shown on the price pages, please contact O.G. Supply, LLC.

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SPIRAL-MAX Gaskets

▼ Maximize Sealing with the Spiral Effect.

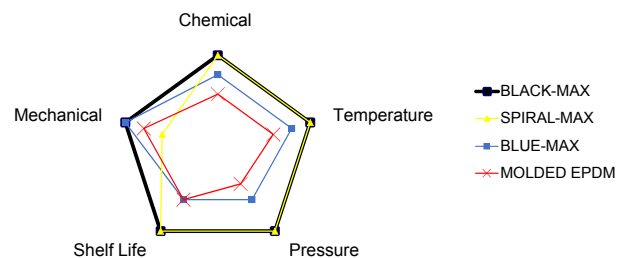
Spiral-Max gaskets can be made from a wide variety of profiled alloy containment strips combined with specified sealing composites. Following ASME B16.20 code, the strips are wound around a mandrel specific to the finished gaskets internal dimensions. The gasket's inside diameter contains, at a minimum, three plies of preformed metal strip without the sealing composite and is spot-welded at least three times at a distance no greater than 3" apart around the inner circumference. The sealing material, also in strip form, is introduced and wound together with the profiled alloy to achieve the total width of the gasket. The external layers, up to three plies, are spot-welded circumferentially with a minimum of three welds.

Designed to achieve an effective seal under the most demanding operating conditions, the Spiral-Max profile is engineered to provide recovery in applications where the load on the gasket may vary due to major temperature fluctuations. While there is not a published standard for the construction of hand-hole and man-hole spiral wound gaskets, the industry often categorizes them into pressure ratings 0-999 PSI and greater than 1,000 PSI. The difference between these two designations is the thickness of the sealing composite. A thicker sealing composite results in a lower content of containment strip. Inversely, a thinner sealing composite allows for an increased content of containment strip. The higher the alloy content, the more pressure the gasket can withstand.

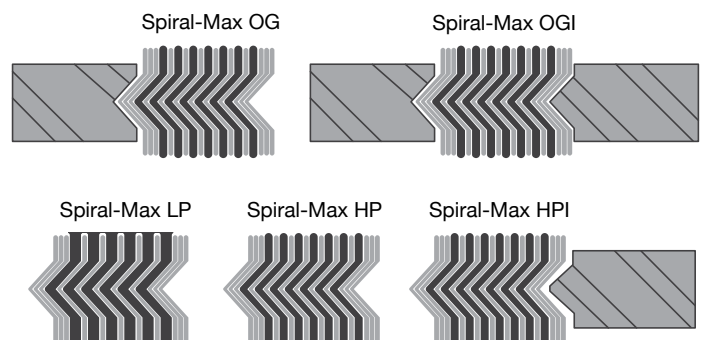
The Spiral-Max designation codes for gaskets manufactured utilizing these techniques are OG - representing Outer Ring And Gasket Element; OGI -representing Outer Ring, Gasket Element and Inner Ring; LP (low pressure) and HP (high pressure) for hand/man hole gaskets in applications where pressures exceed 1,000 psi. The use of an internal solid ring is recommended to provide a mechanical stop and prevent over compression which could lead to inward buckling of the gasket. The designation code for this type of ring construction is HPI (High Pressure-Internal Ring).

▼ Ideal Applications for SPIRAL-MAX

- Steam pressure vessels
- Hot water heaters
- De-mineralizers
- Steam humidifiers
- Water purifiers
- Refrigeration units
- Filtering units
- Liquid treatment vessels
- Compressed air tanks
- Dryer cans in paper mills
- Water towers
- Water softeners
- De-aerators
- Make-up tanks



STEAMWORKS



SPIRAL-MAX STYLE LP HAND/MAN HOLE GASKETS

SS304 / GRAPHITE

Elliptical or Obround Inside Diameters	3/8" Width	1/2" Width	9/16" Width	5/8" Width	3/4" Width
2-5/8" x 3-5/8" x 3/16" Thick	\$5.36	\$7.39	\$8.45	\$9.53	\$11.79
2-3/4" x 3-1/2" x 3/16" Thick	\$5.19	\$7.17	\$8.19	\$9.24	\$11.45
2-3/4" x 3-3/4" x 3/16" Thick	\$5.53	\$7.61	\$8.69	\$9.80	\$12.13
2-7/8" x 3-7/8" x 3/16" Thick	\$5.68	\$7.83	\$8.95	\$10.09	\$12.47
3" x 4" x 3/16" Thick	\$5.85	\$8.06	\$9.20	\$10.37	\$12.79
3" x 4-1/2" x 3/16" Thick	\$6.53	\$8.95	\$10.20	\$11.49	\$14.15
3" x 5" x 3/16" Thick	\$7.19	\$9.86	\$11.21	\$12.61	\$15.49
3-1/4" x 4-1/4" x 3/16" Thick	\$6.20	\$8.49	\$9.70	\$10.92	\$13.44
3-1/4" x 4-1/2" x 3/16" Thick	\$6.53	\$8.95	\$10.20	\$11.49	\$14.15
3-1/4" x 5" x 3/16" Thick	\$7.19	\$9.86	\$11.21	\$12.61	\$15.49
3-3/8" x 4-1/4" x 3/16" Thick	\$6.20	\$8.50	\$9.71	\$10.92	\$13.47
3-1/2" x 4-1/2" x 3/16" Thick	\$6.53	\$8.95	\$10.20	\$11.49	\$14.15
3-1/2" x 5" x 3/16" Thick	\$7.19	\$9.86	\$11.21	\$12.61	\$15.49
4" x 5" x 3/16" Thick	\$7.19	\$9.86	\$11.21	\$12.61	\$15.49
4" x 6" x 3/16" Thick	\$8.54	\$11.63	\$13.24	\$14.85	\$18.18
6" x 8" x 3/16" Thick	\$11.21	\$15.22	\$17.27	\$19.33	\$23.57

Elliptical or Obround Inside Diameters	3/4" Width	1" Width	1-1/4" Width	1-1/2" Width
11" x 15" x 3/16" Thick	\$42.43	\$57.30	\$72.83	\$88.64
12" x 16" x 3/16" Thick	\$45.12	\$60.90	\$77.32	\$94.01
14" x 18" x 3/16" Thick	\$50.51	\$68.04	\$86.27	\$104.75
18" x 24" x 3/16" Thick	\$66.66	\$89.55	\$113.16	\$137.00
11" x 15" x 1/4" Thick	\$56.57	\$76.40	\$97.11	\$118.20
12" x 16" x 1/4" Thick	\$60.16	\$81.20	\$103.07	\$125.35
14" x 18" x 1/4" Thick	\$67.34	\$90.75	\$115.02	\$139.69
18" x 24" x 1/4" Thick	\$88.89	\$119.40	\$150.88	\$182.67

SPIRAL-MAX MAN HOLE AND MAN HOLE GASKETS ARE SOLD IN STANDARD SIX-PACK VACUUM PACKED BUNDLES. FOR ANY QUANTITY LESS THAN A SIX-PACK ADD \$2.00 TO NET GASKET PRICE.

O.G. Supply, LLC

1150 Guadalupe Dr., Cibolo, Texas 78108

www.ogsupply.com



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P: 210.370.7990 • F: 210.314.2295

info@ogsupply.com

STANDARD PACKAGE QUANTITY
½" THROUGH 8" - 10 GASKETS PER BUNDLE | 10" THROUGH 24" - 5 GASKETS PER BUNDLE

SPIRAL-MAX STYLE OG ASME B16.20 FLANGE GASKETS

CARBON STEEL - SS304 / GRAPHITE

Nominal Pipe Size	150#	300#	600#	900#	1500#	2500#
½"	\$1.61	\$1.72		\$2.14		\$2.46
¾"	\$1.98	\$2.43		\$2.20		\$2.80
1"	\$2.20	\$2.42		\$2.36		\$2.78
1-¼"	\$2.46	\$2.68		\$3.20		\$4.62
1-½"	\$2.87	\$3.34		\$3.61		\$5.18
2"	\$3.38	\$3.72		\$6.51		\$7.22
2-½"	\$4.19	\$4.57		\$7.69		\$8.46
3"	\$4.61	\$5.64		\$8.38	\$8.55	\$10.93
3-½"	\$8.10	\$8.55	\$10.60	\$11.94	\$12.73	\$16.21
4"	\$7.48	\$7.89	\$9.77	\$11.01	\$11.76	\$14.96
5"	\$9.87	\$12.53	\$18.18	\$18.70	\$20.96	\$25.68
6"	\$10.36	\$13.81	\$17.18	\$20.14	\$22.27	\$25.64
8"	\$15.13	\$18.74	\$22.51	\$28.77	\$29.42	\$36.65
10"	\$17.76	\$22.51	\$34.60	\$37.31	\$40.84	\$49.30
12"	\$26.14	\$29.58	\$42.73	\$49.40	\$55.14	\$65.74
14"	\$31.14	\$39.03	\$45.77	\$50.87	\$63.85	Gaskets in this area are required by ASME B16.20 to have an inner ring.
16"	\$42.57	\$48.08	\$60.73	\$64.92	\$81.04	
18"	\$46.43	\$62.71	\$67.47	\$72.41	\$108.47	
20"	\$54.33	\$71.57	\$81.36	\$78.24	\$119.90	
24"	\$70.76	\$95.57	\$96.24	\$106.10	\$144.64	

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STANDARD PACKAGE QUANTITY
½" THROUGH 8" - 10 GASKETS PER BUNDLE | 10" THROUGH 24" - 5 GASKETS PER BUNDLE

SPIRAL-MAX STYLE OGI ASME B16.20 FLANGE GASKETS

CARBON STEEL - SS316L / GRAPHITE - SS316L

Nominal Pipe Size	150#	300#	600#	900#	1500#	2500#
½"	\$2.22	\$2.36		\$2.23		\$3.20
¾"	\$2.92	\$3.34		\$3.16		\$3.73
1"	\$3.17	\$3.34		\$3.15		\$3.74
1-¼"	\$5.04	\$5.27		\$4.98		\$6.17
1-½"	\$5.65	\$6.17		\$5.82		\$7.09
2"	\$7.92	\$8.28		\$7.82		\$9.25
2-½"	\$9.61	\$9.93		\$9.37		\$10.93
3"	\$12.99	\$14.08		\$14.87	\$15.61	\$16.35
3-½"	\$19.85	\$20.30	\$20.65	\$21.80	\$23.24	\$26.71
4"	\$18.33	\$18.74	\$19.07	\$20.14	\$21.45	\$24.66
5"	\$28.86	\$31.75	\$33.18	\$33.79	\$35.23	\$39.86
6"	\$25.64	\$26.63	\$27.37	\$30.25	\$31.64	\$37.31
8"	\$27.94	\$31.47	\$36.16	\$44.46	\$46.03	\$49.30
10"	\$31.91	\$38.63	\$51.28	\$59.91	\$65.67	\$68.04
12"	\$48.48	\$51.86	\$63.68	\$78.31	\$83.91	\$90.14
14"	\$55.40	\$63.28	\$67.80	\$85.05	\$102.64	Gaskets in this area are required by ASME B16.20 to have an inner ring.
16"	\$71.24	\$76.67	\$90.57	\$99.77	\$124.01	
18"	\$84.40	\$100.18	\$112.34	\$123.02	\$158.68	
20"	\$96.24	\$113.16	\$131.08	\$134.04	\$159.92	
24"	\$122.04	\$146.36	\$165.85	\$173.48	\$213.34	

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STEAMWORKS

O.G. Supply, LLC
1150 Guadalupe Dr., Cibolo, Texas 78108
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P: 210.370.7990 • F: 210.314.2295
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Topog-E® Series 180 Gaskets

▼ Material Composition and Application

The steam boiler market makes extreme demands on gaskets. Topog-E® molded rubber gaskets are made from a special proprietary black rubber composition, 80-85 durometer and are specifically formulated to meet and exceed these demands and deliver industry standard performance.

Topog-E® Series 180 gaskets have been refined through a series of over 600 research formulation tests to ensure that they are able to meet the exacting performance standards of the steam boiler industry.

When used on steam pressure vessels Topog-E® Series 180 gaskets are typically used at operating pressures of up to 180 PSI (12 bar) and saturated steam temperatures up to 380° F. (193° C) for an average service life of one year. When used in other applications (e.g. condensate, water, and air vessels) Topog-E® Series 180 gaskets are sometimes used at pressures above 200 PSI (14 bar) where temperatures are typically more moderate (e.g. below 250°F./121°C.). When operating under less severe conditions (e.g. water applications at ambient temperatures) Topog-E® Series 180 gaskets can provide very long service lives.

Topog-E® Series 180 gaskets have been used successfully around the world for over forty years. In general, any type of industrial pressure vessel or tank that has inspection openings is a potential application where Topog-E® Series 180 gaskets can be used as a cost effective sealing device. In addition to using them in steam pressure vessels, customers also use Topog-E® molded gaskets and sheet material with great success in many other applications.

▼ Installation Environment & Sustainability

Topog-E® Series 180 gaskets are specifically formulated to have excellent resistance to steam, as well as hot and cold water.

Water treatment chemicals, when used in accordance with supplier's guidelines, should not have a significant effect on the service life of properly installed Topog-E® Series 180 gaskets.

Topog-E® Series 180 gaskets are not recommended for use in applications where they see direct exposure to high concentrations of aromatic hydrocarbons, chlorinated solvents, or petroleum based oils, fuels, and lubricants.

▼ **Topog-E® Series 180 Gaskets**

- *Conform to the topography of the mating surfaces*
- *Withstand a boiler's full, continuous & cycling operating pressures*
- *Withstand continuous exposure to ion & oxygen attack in hot air*
- *Prevent all leakage*
- *Replace easily, without chiseling or buffing*

Available in 350 stock sizes and shapes.

Custom shapes, sizes and sheet material are available upon request.

STEAMWORKS



Elliptical or Obround Inside Diameters	⅜" Width	7/16" Width	½" Width	9/16" Width	⅝" Width	¾" Width	1" Width	1-¼" Width	1-⅜" Width	1-½" Width	1-¾" Width	2" Width
1-¾ x 3-¾ - E	\$7.05											
1-¾ x 3-¾ - OB			\$6.05									
1-⅞ x 2-½ - E		\$6.94										
2 x 3 - E	\$6.70											
2 x 3 - OB			\$7.19									
2 x 4 - E			\$8.63									
2-½ x 3-½ - E			\$7.87									
2-½ x 3-½ - OB			\$7.98									
2-½ x 3-¼ - E	\$7.19											
2-½ x 3-¾ - E			\$8.63									
2-½ x 4 - E			\$8.63									
2-¼ x 3-½ - E			\$8.63									
2-¼ x 3-¼ - E			\$7.05									
2-¼ x 3-¼ - OB	\$7.06		\$7.19									
2-¼ x 3-¾ - E			\$7.87									
2-¼ x 3-¾ - OB				\$8.85								
2-¾ x 3-½ - E			\$8.63									
2-¾ x 3-½ - OB			\$8.85									
2-¾ x 3-¾ - E			\$8.48		\$8.76							
2-¾ x 3-¾ - OB			\$8.85									
2-¾ x 4-½ - OB			\$9.14									
2-¾ x 4-½ - E					\$9.01							
2-¾ x 4-¾ - OB			\$9.14									
2-⅞ x 3-⅞ - E			\$8.63									
2-⅞ x 3-⅞ - OB		\$8.85										
2-⅞ x 4-⅞ - OB				\$9.29								
3 x 3-¾ - E			\$8.76									
3 x 4 - E			\$8.63		\$9.14	\$9.53				\$25.78		
3 x 4 - OB			\$8.85	\$9.00								
3 x 4-½ - E			\$9.14		\$9.29							
3 x 4-½ - OB				\$9.29								
3 x 5 - E				\$9.29								
3 x 5 - OB				\$10.04								
3-¼ x 4-½ - E			\$9.14									
3-¼ x 4-½ - OB			\$9.91	\$10.05								

Elliptical or Obround Inside Diameters	3/8" Width	7/16" Width	1/2" Width	9/16" Width	5/8" Width	3/4" Width	1" Width	1-1/4" Width	1-3/8" Width	1-1/2" Width	1-3/4" Width	2" Width
3-1/4 x 4-1/4 - E			\$9.01			\$9.64						
3-1/4 x 4-1/4 - OB				\$9.29								
3-1/4 x 4-3/4 - OB			\$10.04		\$10.15							
3-1/4 x 5 - E				\$9.53								
3-3/8 x 4-1/4 - OB	\$9.91											
3-3/8 x 4-3/8 - E		\$9.14		\$9.29								
3-1/2 x 4-1/2 - E		\$9.14	\$9.14		\$9.53	\$11.68				\$31.40		
3-1/2 x 4-1/2 - OB				\$10.04								
3-1/2 x 5 - E			\$11.67			\$12.49						
3-1/2 x 5 - OB				\$10.42								
3-1/2 x 5-1/2 - OB			\$10.42		\$9.94							
3-5/8 x 5-5/8 - OB		\$10.05		\$10.54		\$11.30						
3-3/4 x 4-3/4 - E				\$9.53								
3-3/4 x 5-1/2 - E				\$9.64								
4 x 4-3/8 - E			\$10.42									
4 x 5 - E					\$9.64							
4 x 5 - OB					\$11.05							
4 x 5-1/2 - E						\$12.20						
4 x 6 - E					\$11.15	\$12.48						
4 x 6 - OB					\$11.84							
4-1/4 x 5-1/8 - E	\$10.66											
4-1/2 x 5-1/2 - OB					\$11.84							
4-1/2 x 5-1/2 - E					\$12.47							
4-1/2 x 10-1/4 - OB						\$32.31						
4-1/2 x 6 - OB					\$12.48							
4-1/2 x 6-1/2 - E				\$16.99				\$32.15				
4-1/2 x 6-1/2 - OB					\$12.48							
4-3/4 x 6-5/8 - E						\$19.55						
5 x 6 x 5/8 - E					\$19.03							
5 x 6-3/4 - OB							\$21.89					
5 x 7 x 3/4 - E						\$19.92						
5 x 7 - OB					\$19.03							
5 x 7-1/2 - OB							\$23.92					
5-3/4 x 7-1/4 - E						\$22.26						

Elliptical or Obround Inside Diameters	3/8" Width	7/16" Width	1/2" Width	9/16" Width	5/8" Width	3/4" Width	1" Width	1-1/4" Width	1-3/8" Width	1-1/2" Width	1-3/4" Width	2" Width
6 x 10 - E					\$27.51		\$29.32					
6 x 8- E						\$23.02	\$24.18					
6 x 9 - E							\$24.84					
7 x 9 - E						\$29.18						
7 x 10 - E						\$35.88				\$36.38		
7-1/2 x 10-1/4 - E						\$41.16						
7-1/2 x 11-1/2 - E							\$44.63					
7-1/2 x 11-3/4 - E							\$45.01					
8 x 10 - E							\$37.30					
8 x 11 - E							\$44.24					
8-5/8 x 12-1/2 - E							\$45.13					
8-5/8 x 12-1/2 - OB							\$45.45					
9 x 12 - E							\$45.30					
9 x 14 - E								\$47.19				
9-1/2 x 15-1/2 - E							\$47.33					
9-3/4 x 14-1/2 - E												\$50.67
9-3/4 x 14-3/4 - E								\$48.88				
9-15/16 x 15-15/16 - E						\$47.04						
10 x 14 x 1 - E							\$48.48					
10 x 15 - E									\$48.99			
10 x 16 - E					\$46.66			\$48.88				
10-1/2 x 14 - E								\$48.88				
10-1/2 x 14-1/2 - E								\$48.88	\$48.99		\$51.19	
10-1/2 x 15 - E								\$48.88				
10-3/4 x 14-3/4 - E								\$48.88				
11 x 14 - E								\$48.88	\$48.99			
11 x 14-1/2 - E							\$48.48					
11 x 14-3/4 - E										\$50.67		
11 x 15 - E						\$48.10	\$48.75	\$49.24	\$49.50		\$52.98	
11 x 15 - OB								\$49.62				
11 x 16 - E								\$49.79				
11-1/2 x 14-1/2 - E								\$49.24				
11-1/2 x 15-1/2 - E								\$49.50	\$49.62			

Elliptical or Obround Inside Diameters	3/8" Width	7/16" Width	1/2" Width	9/16" Width	5/8" Width	3/4" Width	1" Width	1-1/4" Width	1-3/8" Width	1-1/2" Width	1-3/4" Width	2" Width
11-5/8 x 15-5/8 - OB								\$50.16				
11-3/4 x 15-3/4 - E									\$49.88		\$52.98	
12 x 15 - E							\$48.99	\$49.79				
12 x 15-1/2 - E							\$49.09	\$49.88				
12 x 16 - E							\$50.80	\$51.57	\$51.70	\$52.06		
12 x 16 - OB								\$52.08		\$52.23		
12-1/2 x 16-1/2 - E							\$51.57	\$51.70				
14 x 18 - E										\$72.41		
16 x 18 - E								\$74.76				
18 x 21 - E										\$95.09		
18 x 24 - E										\$100.18		

NOTE: Topog-E® Series 180 gasket sizes are not restricted to the shapes and sizes shown on the price list.

This price list is per the individual gasket in 1/4" nominal thickness for both Elliptical or Obround shapes.

For sizes not shown on the price pages, please contact O.G. Supply, LLC.

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Phone: 210.370.7990
Fax: 210.314.2295

MCDONNELL & MILLER AND SIGHT GLASS GASKETS SOLD IN 10 PACK QUANTITIES

ITT MCDONNELL & MILLER GASKETS	NON-ASBESTOS		GRAPHITE (GFG)		VIRGIN PTFE	
	1/32"	1/16"	1/32"	1/16"	1/32"	1/16"
150-14	\$1.94	\$2.37	\$3.57	\$4.75	\$4.75	\$8.44
150-9	\$0.55	\$0.59	\$0.98	\$1.11	\$0.81	\$1.25
37-26	\$3.33	\$4.20	\$6.16	\$8.64	\$9.39	\$17.15
37-39	\$0.73	\$0.82	\$1.31	\$1.56	\$1.26	\$2.04
92-68	\$2.56	\$3.23	\$3.87	\$5.73	\$4.75	\$6.63
CO-11	\$1.54	\$2.18	\$2.96	\$4.73	\$6.07	\$11.63
CO-12	\$1.77	\$2.11	\$3.23	\$4.20	\$4.04	\$7.05
F-26	\$3.36	\$4.24	\$6.22	\$8.71	\$9.42	\$17.18

SIGHT GLASS GASKETS	NON-ASBESTOS		GRAPHITE (GFG)		VIRGIN PTFE	
	1/32"	1/16"	1/32"	1/16"	1/32"	1/16"
#1	\$1.25	\$1.51	\$1.44	\$1.66	\$1.23	\$2.05
#2	\$1.47	\$1.79	\$1.71	\$1.99	\$1.47	\$2.47
#3	\$1.70	\$2.07	\$1.99	\$2.31	\$1.72	\$2.89
#4	\$1.92	\$2.35	\$2.27	\$2.64	\$1.98	\$3.33
#5	\$2.19	\$2.68	\$2.60	\$3.03	\$2.27	\$3.85
#6	\$2.47	\$3.02	\$2.94	\$3.42	\$2.58	\$4.35
#7	\$2.75	\$3.36	\$3.26	\$3.82	\$2.86	\$4.87
#8	\$3.11	\$3.82	\$3.71	\$4.35	\$3.26	\$5.55
#9	\$3.29	\$4.05	\$3.93	\$4.61	\$3.46	\$5.88
#10	\$3.55	\$4.38	\$4.27	\$5.00	\$3.76	\$6.40

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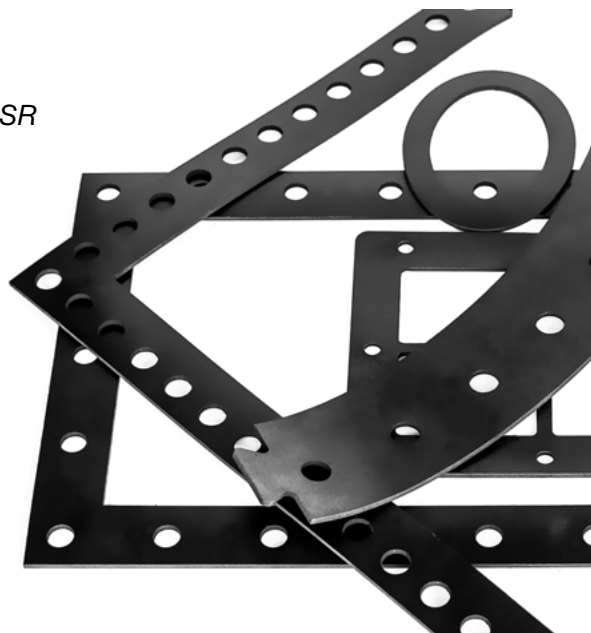
Toll Free: 800.394.7846
Phone: 210.370.7990
Fax: 210.314.2295



- Ships within 24 hours
- Topog-E Compound
- Header Gaskets:
WG/HN, WO/X, SN/SF/SA, WR, HR, SR
- Handhold & Manway Gaskets

When it comes to boiler gasketing, we don't just stop at handhole and manway applications. For many decades, O. G. Supply had been the top rated OEM gasket supplier to the Ajax Boiler Company. Even though you can no longer buy a new Ajax Boiler, you can still get a new Ajax Boiler Gasket. O.G. Supply continues to manufacture the complete line of Header, Manway and Handhole gaskets for the Models WG/HN, WO/X, SN/SF/SA, WR and SR in non-stapled one piece construction.

For added benefit, gaskets can be produced utilizing the trusted and world-wide respected Topog-E® proprietary compound. The Topog-E® compound is specifically formulated to have excellent resistance to steam, hot and cold water in applications up to 180 psi and 380°F.



MODEL	DESCRIPTION	HOLES	COMPOUND	PRICE
GASKET01	Heat Exchanger Gasket	8 Bolt Holes	EPDM80	\$16.44
GASKET04	Ajax Boiler Gasket	22 Bolt Holes	EPDM80	\$44.90
GASKET05	Handhole Gasket 3" x 4"	Elliptical	EPDM80	\$4.17
GASKET06	Handhole Gasket 4" x 6"	Elliptical	EPDM80	\$5.00
GASKET09	Header Gasket WG/HN 100-350	18 Bolt Holes	EPDM80	\$26.67
GASKET10	Header Gasket WG/HN 2000-3250	46 Bolt Holes	EPDM80	\$100.50
GASKET11	Header Gasket WG/HN 3500-5000	60 Bolt Holes	EPDM80	\$158.60
GASKET12	Header Gasket WG/HN 400-750	24 Bolt Holes	EPDM80	\$58.27
GASKET13	Header Gasket WG/HN 5500-9500	70 Bolt Holes	EPDM80	\$216.02
GASKET14	Header Gasket WG/HN 850-1750	30 Bolt Holes	EPDM80	\$124.96
GASKET15	Header Gasket WO/X 100-350	22 Bolt Holes	EPDM80	\$62.57
GASKET16	Header Gasket WO/X 400-850	30 Bolt Holes	EPDM80	\$76.03
GASKET17	Header Gasket WO/X 900-UP	32 Bolt Holes	EPDM80	\$108.92
GASKET22	Header Gasket WG/HN 10000-15000	76 Bolt Holes	EPDM80	\$230.32
GASKET35	Header Gasket WG/HN 16000-21000	84 Bolt Holes	EPDM80	\$247.08
GASKET45	Header Gasket WR 150-350	28 Bolt Holes	EPDM80	\$63.29
GASKET46	Header Gasket WR 420-840	30 Bolt Holes	EPDM80	\$95.59

MODEL	DESCRIPTION	HOLES	COMPOUND	PRICE
GASKET47	Header Gasket WR 940-1750	42 Bolt Holes	EPDM80	\$123.78
GASKET48	Header Gasket WR 2100-3350	50 Bolt Holes	EPDM80	\$141.16
GASKET49	Header Gasket WR 3770-7350	62 Bolt Holes	EPDM80	\$155.30
GASKET62HP	Head Plate Gasket WCP 050-150	40 Bolt Holes	EPDM80	\$147.56
GASKET62RG	Burner Gasket WCP 050-180	10 Bolt Holes	EPDM80	\$60.46
GASKET63RG	Burner Gasket WCP-200-300	12 Bolt Holes	EPDM80	\$28.11
GASKET63HP	Head Plate Gasket WCP 200-300	86 Bolt Holes	EPDM80	\$189.94
GKSTEAM01A	Header Gasket SN/SF/SA 5-15	28 Bolt Holes	TOPOGE S-180	\$178.14
GKSTEAM02A	Header Gasket SN/SF/SA 20-40	32 Bolt Holes	TOPOGE S-180	\$186.90
GKSTEAM03A	Header Gasket SN/SF/SA 50-70	48 Bolt Holes	TOPOGE S-180	\$221.81
GKSTEAM05A	Header Gasket SR 6-21	74 Bolt Holes	TOPOGE S-180	\$361.71
GKSTEAM06	Header Gasket HR 22-40	54 Bolt Holes	EPDM80	\$170.36
GKSTEAM07A	Header Gasket SR 22-41	90 Bolt Holes	TOPOGE S-180	\$447.87
GKSTEAM08A	Header Gasket SR 50-80	106 Bolt Holes	TOPOGE S-180	\$455.63
GKSTEAM09A	Header Gasket SR 90-175	96 Bolt Holes	TOPOGE S-180	\$636.59
GKSTEAM10	Header Gasket HR 6-20	44 Bolt Holes	EPDM80	\$100.50
GKSTEAM11	Header Gasket HR 50-80	62 Bolt Holes	EPDM80	\$225.93
GKSTEAM12A	Header Gasket SR 200-300	116 Bolt Holes	TOPOGE S-180	\$1,082.19
GKSTEAM13A	Header Gasket SN/SF/SA 80-150	48 Bolt Holes	TOPOGE S-180	\$1,056.39
GKSTEAM15	Header Gasket HR 90-175	76 Bolt Holes	EPDM80	\$382.27

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TETRA-MAX JS 100% ePTFE Joint Sealant

Material Composition and Application

This form of joint sealant is specially processed by expanding 100% pure polytetrafluoroethylene (PTFE). It provides a soft, highly compressible gasket for longer life and trouble-free sealing. Its form-in-place versatility cuts maintenance and storage costs. The high compressibility of TETRA-MAX JS enables it to effectively fill flange imperfections for a tight, leak-free seal. Under pressure, it provides a very wide, thin ribbon-like joint sealant. Unlike conventional PTFE which is prone to cold flow, TETRA-MAX JS has good creep resistance and bolt torque retention properties. It does not support bacterial growth or cause product contamination and is FDA compliant. It has virtually no shelf-life concerns since PTFE is unaffected by normal environmental conditions. TETRA-MAX JS has excellent resistance properties to chemical attack with a pH range of 0-14. It is ideal for

most chemical services at temperatures to 600°F (316°C) and pressure to 3,000 psi (207 bar). It is also suitable for cryogenic use to -321°F (-196°C).

The sealant is available in roll form which helps reduce storage space, and is available in a wide variety of thicknesses and lengths.

TETRA-MAX JS is easy to install:

- Clean the sealing face
- Select size $\frac{1}{8}$ to $\frac{1}{2}$ flange sealing width
- Cut length need to allow for over lapping
- Peel adhesive backing and apply to flange
- Overlap the sealant at a bolt
- Bolt up using recommended bolting procedures

WIDTH	STANDARD LENGTH		BULK LENGTH
1/8"	---	100 Feet TM-012-100	500 Feet TM-012-500
3/16"	75 Feet TM-018-075	150 Feet TM-018-150	750 Feet TM-018-750
1/4"	50 Feet TM-025-050	100 Feet TM-025-100	500 Feet TM-025-500
3/8"	25 Feet TM-037-025	50 Feet TM-037-050	250 Feet TM-037-250
1/2"	15 Feet TM-050-015	30 Feet TM-050-030	150 Feet TM-050-150
5/8"	15 Feet TM-062-015	30 Feet TM-062-030	150 Feet TM-062-150
3/4"	15 Feet TM-075-015	30 Feet TM-075-030	100 Feet TM-075-100
1"	15 Feet TM-100-015	30 Feet TM-100-030	75 Feet TM-100-075

All information and recommendations given in this brochure are correct to the best of our knowledge. Since conditions of use are beyond our control, the information provided only serves as a guideline. Users must satisfy themselves that products are suitable for the intended process and uses. We reserve the right to change product design and properties without notice.



STEAMWORKS

TETRA-MAX JS Size X Length	NET PRICE		
	< \$2,500	\$2,500 - \$5,000	> \$5,000.00
3/16" x 100'	\$136.05	\$102.50	\$68.96
3/16" x 75'	\$136.05	\$102.50	\$68.96
3/16" x 150'	\$272.12	\$205.03	\$137.93
1/4" x 50'	\$123.54	\$93.09	\$62.65
1/4" x 100'	\$247.11	\$186.18	\$125.25
1/4" x 500'	\$1,111.53	\$837.46	\$563.43
3/8" x 25'	\$98.75	\$74.41	\$50.05
3/8" x 50'	\$197.51	\$148.80	\$100.11
3/8" x 250'	\$888.78	\$669.64	\$450.50
1/2" x 15'	\$98.75	\$74.41	\$50.05
1/2" x 30'	\$197.51	\$148.80	\$100.11
1/2" x 150'	\$888.78	\$669.64	\$450.50
5/8" x 15'	\$148.35	\$111.79	\$75.20
5/8" x 30'	\$296.70	\$223.53	\$150.39
5/8" x 150'	\$1,334.26	\$1,005.28	\$676.32
3/4" x 15'	\$226.03	\$170.32	\$114.56
3/4" x 30'	\$452.07	\$340.60	\$229.15
3/4" x 100'	\$1,356.65	\$1,022.16	\$687.66
1" x 15'	\$339.27	\$255.63	\$171.97
1" x 30'	\$678.55	\$511.24	\$343.95
1" x 75'	\$1,525.64	\$1,149.46	\$773.31
1-1/4" x 30'	\$1,299.73	\$979.45	\$659.12
1-1/2" x 30'	\$1,542.34	\$1,162.28	\$782.15

BRACKET PRICING IS ACHIEVED BY TOTAL OF LIST PRICE ITEMS PURCHASED.

Each unit of TETRA-MAX JS shown above is supplied on a plastic spool bagged in a clear plastic bag and stored in a cardboard box.

**PLEASE CHECK WITH YOUR O.G. SUPPLY SALES REPRESENTATIVE
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NAM 37C Compressed Fiber Gasketing

Material Composition and Application

Made from aramid fiber, mineral fiber & inorganic fillers NAM-37C is a premium quality gasket designed for specific use for sealing water treatment equipment and distribution systems required to comply with NSF/ANSI 61: Drinking Water System Components – Health Effects by most governmental agencies that regulate drinking water supplies.

NAM-37C is also suitable for steam, oil, mild alkalis and acids, hydrocarbons and solvents making it an excellent multipurpose gasket.

Available in:

- Thickness $\frac{1}{64}$ " to $\frac{1}{4}$ "
- Gaskets - Raised Face, Full Face and Specials
- Color - Green



Certified to
NSF/ANSI 61

Peak Temperature	572°F (300°C)
Continuous Temperature	428°F (220°C)
Continuous Temperature with steam	320°F (160°C)
Operating Pressure	1137 PSI (80 Kg / cm ²)
M Value	2.5 (N/mm ²)
Y Value	25 (N/mm ²)

ASTM Line Callout
F104F712122A9B4E12M4

PROPERTIES (Test Specimen Thickness 2.0mm)	TEST METHOD	UNIT	SPECIFIED VALUE
Density	---	gm / cm ³	1.70 - 2.10
Tensile Strength	---		
(a) ACC to ASTM F152 (Across Grain)		N / mm ²	8 Min.
(b) ACC to DIN52910 (Across Grain)		N / mm ²	5 Min.
Compressibility	ASTM F36A	%	5 - 15
Recovery	ASTM F36A	%	> 50
Fluid Absorption			
(a) In ASTM Oil No. 3	ASTM F 146		
INCREASE in Mass		%	< 15
INCREASE in Thickness		%	< 10
(b) In Fuel B	ASTM F 146		
INCREASE in Mass		%	< 10
INCREASE in Thickness		%	< 10
(c) In Water/Antifreeze	ASTM F 146		
INCREASE in Mass		%	< 15
INCREASE in Thickness		%	< 15
Ignition Loss	DIN 52911	%	< 30
Dielectric Strength	ASTM D149	KV/MM	8.3
Surface Area Volume Ratio	NSF/ANSI 61	SQ. IN./L	2.0



NO MORE GUESSING
NO MORE MEASURING

The m = maintenance factor which provides the additional pre-load needed in the flange fasteners to maintain the compressive load on gasket after internal pressure applied to a joint. The y = minimum design seating stress on the contact area of the gasket that is required to provide a seal at an internal pressure of 0.14 bar $Y=W/A1$, where W is total fastener force in N and $A1$ is gasket area in mm².

Gasket marked with:

- NSF-61 Certification
- Flange Size
- Pressure Class

The information provided on this bulletin was provided by the manufacturer Ferolite Jointings LTD. Since actual conditions of use are beyond our control, the information provided only serves as a guideline. Users must satisfy themselves that the product is suitable for the intended application. We reserve the right to change product design and properties without notice. O.G. Supply is the exclusive distributor in North America for Ferolite's NAM-37C sheet jointing.

WATER
WORKS

FLANGE GASKETS PER ANSI B.16.21 NSF-61 Certified ARAMID/NBR (GREEN)					
Nominal Diameter	Gasket Style	1/16" 150-LB	1/16" 300-LB	1/8" 150-LB	1/8" 300-LB
1/2"	Full Face	\$1.23	\$1.31	\$2.46	\$2.63
	Raised Face	\$0.46	\$0.52	\$0.91	\$1.05
3/4"	Full Face	\$1.38	\$1.73	\$2.78	\$3.48
	Raised Face	\$0.57	\$0.69	\$1.16	\$1.37
1"	Full Face	\$1.56	\$1.87	\$3.12	\$3.74
	Raised Face	\$0.71	\$0.78	\$1.43	\$1.57
1-1/4"	Full Face	\$1.74	\$2.07	\$3.50	\$4.14
	Raised Face	\$0.87	\$0.94	\$1.73	\$1.89
1-1/2"	Full Face	\$1.93	\$2.58	\$3.87	\$5.14
	Raised Face	\$1.01	\$1.14	\$2.04	\$2.29
2"	Full Face	\$2.50	\$3.12	\$5.02	\$6.23
	Raised Face	\$1.34	\$1.44	\$2.67	\$2.87
2-1/2"	Full Face	\$3.10	\$3.85	\$6.17	\$7.69
	Raised Face	\$1.70	\$1.81	\$3.39	\$3.61
3"	Full Face	\$3.43	\$4.36	\$6.89	\$8.75
	Raised Face	\$1.99	\$2.23	\$3.99	\$4.45
3-1/2"	Full Face	\$4.46	\$4.91	\$8.94	\$9.82
	Raised Face	\$2.53	\$2.60	\$5.07	\$5.19
4"	Full Face	\$4.84	\$5.66	\$9.71	\$11.34
	Raised Face	\$2.85	\$2.99	\$5.70	\$5.99
6"	Full Face	\$6.68	\$8.32	\$13.35	\$16.67
	Raised Face	\$4.23	\$4.99	\$8.45	\$10.00
8"	Full Face	\$8.19	\$10.07	\$16.40	\$20.16
	Raised Face	\$5.22	\$6.14	\$10.43	\$12.27
10"	Full Face	\$11.08	\$13.47	\$22.16	\$26.97
	Raised Face	\$7.01	\$7.85	\$14.04	\$15.71
12"	Full Face	\$14.27	\$17.18	\$28.58	\$34.39
	Raised Face	\$9.48	\$10.03	\$18.96	\$20.08
14"	Full Face	\$16.84	\$21.08	\$33.73	\$42.21
	Raised Face	\$11.08	\$12.76	\$22.18	\$25.57
16"	Full Face	\$20.55	\$24.85	\$41.14	\$49.74
	Raised Face	\$13.77	\$15.14	\$27.56	\$30.29
18"	Full Face	\$22.59	\$29.23	\$45.21	\$58.53
	Raised Face	\$15.11	\$17.85	\$30.23	\$35.75
20"	Full Face	\$26.75	\$33.26	\$53.56	\$66.58
	Raised Face	\$17.79	\$20.80	\$35.61	\$41.63
24"	Full Face	\$34.00	\$43.96	\$68.08	\$88.00
	Raised Face	\$23.55	\$27.76	\$47.16	\$55.60

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MINIMUM PURCHASE OF \$25

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NAM 45C Non Asbestos Gasket Jointing

Material Composition and Application

It has excellent resistance to steam and strong alkaline media. It is widely used in the chemical and petrochemical industries. NAM 45CF exhibits good sealing and torque retention properties. It is specifically designed to satisfy the growing demand for numerous aggressive chemicals used by industry today. NAM 45CF can also be used for sealing oils, fuels, gases, freons, and general application in paper & pulp industry for application in pipelines, radiators, boilers and many other instances of flanged joints.

Material Composition: Blend of Carbon and Aramid Fiber
Binders: NBR

Available in:

- Sheets - 60" x 60" and 60" x 120" in thickness $\frac{1}{64}$ " to $\frac{1}{4}$ "
- Gaskets - Raised Face, Full Face and Specials
- Color - Black/Graphite Coating

Peak Temperature	752°F (400°C)
Continuous Temperature	572°F (300°C)
Continuous Temperature with steam	536°F (280°C)
Operating Pressure	2133.5 PSI (150 Kg / cm ²)

STEAMWORKS



Certificate No.
17/00007

PROPERTIES (Test Specimen Thickness 2.0mm)	TEST METHOD	UNIT	SPECIFIED VALUE
Density		gm / cm ³	1.70 - 2.00
Tensile Strength			
(a) ACC to ASTM F152 (Across Grain)		N / mm ²	> 8
(b) ACC to DIN52910 (Across Grain)		N / mm ²	--
Compressibility	ASTM F36A	%	5 - 15
Recovery	ASTM F36A	%	> 50
Fluid Absorption	ASTM F 146		
(a) In ASTM Oil No. 3		%	
INCREASE in Mass		%	< 10
INCREASE in Thickness		%	< 8
(b) In Fuel B	ASTM F 146	%	
INCREASE in Mass		%	< 10
INCREASE in Thickness		%	< 7
(c) In Water/Antifreeze	ASTM F 146	%	
INCREASE in Mass		cm ³ / min.	< 10
INCREASE in Thickness			< 7
Ignition Loss	DIN 52911	N / mm ²	< 30
Sealability Against Nitrogen	DIN 3535	N / mm ²	< 0.5
Stress Resistance			
16h 300°C	DIN 52913		~ 20
16h 175°C	DIN 52913		~ 30

The following Information applies to material thickness 2.0 mm. The information provided on this bulletin was provided by the manufacturer Ferolite Jointings LTD. Since actual conditions of use are beyond our control, the information provided only serves as a guideline. Users must satisfy themselves that the product is suitable for the intended application. We reserve the right to change product design and properties without notice.

FLANGE GASKETS PER ANSI B.16.21 HIGH TEMPERATURE CARBON FIBER / NBR					
Nominal Diameter	Gasket Style	1/16" 150-LB	1/16" 300-LB	1/8" 150-LB	1/8" 300-LB
1/2"	Full Face	\$2.08	\$2.28	\$4.69	\$5.11
	Raised Face	\$0.73	\$0.86	\$1.67	\$1.95
3/4"	Full Face	\$2.41	\$3.17	\$5.41	\$7.01
	Raised Face	\$0.95	\$1.18	\$2.17	\$2.65
1"	Full Face	\$2.78	\$3.45	\$6.19	\$7.62
	Raised Face	\$1.21	\$1.37	\$2.73	\$3.07
1-1/4"	Full Face	\$3.18	\$3.89	\$7.05	\$8.56
	Raised Face	\$1.51	\$1.69	\$3.37	\$3.75
1-1/2"	Full Face	\$3.58	\$5.01	\$7.92	\$10.94
	Raised Face	\$1.81	\$2.10	\$4.04	\$4.66
2"	Full Face	\$4.85	\$5.85	\$10.61	\$12.89
	Raised Face	\$2.48	\$2.72	\$5.49	\$5.98
2-1/2"	Full Face	\$6.24	\$7.45	\$13.50	\$16.28
	Raised Face	\$3.29	\$3.54	\$7.17	\$7.72
3"	Full Face	\$7.05	\$8.71	\$15.20	\$18.90
	Raised Face	\$3.89	\$4.48	\$8.48	\$9.70
3-1/2"	Full Face	\$9.06	\$10.05	\$19.60	\$21.69
	Raised Face	\$5.17	\$5.34	\$11.16	\$11.49
4"	Full Face	\$9.99	\$11.98	\$21.53	\$25.65
	Raised Face	\$5.90	\$6.25	\$12.71	\$13.44
6"	Full Face	\$14.28	\$18.10	\$30.51	\$38.54
	Raised Face	\$9.09	\$11.16	\$19.40	\$23.62
8"	Full Face	\$17.80	\$22.29	\$37.90	\$47.28
	Raised Face	\$11.07	\$13.59	\$23.67	\$28.80
10"	Full Face	\$24.21	\$29.69	\$51.49	\$63.03
	Raised Face	\$15.45	\$17.76	\$32.80	\$37.49
12"	Full Face	\$32.71	\$39.21	\$68.88	\$82.65
	Raised Face	\$21.75	\$23.30	\$45.80	\$48.93
14"	Full Face	\$39.36	\$48.94	\$82.55	\$102.80
	Raised Face	\$25.93	\$30.70	\$54.37	\$64.02
16"	Full Face	\$48.40	\$58.65	\$101.36	\$122.77
	Raised Face	\$32.98	\$36.87	\$68.84	\$76.69
18"	Full Face	\$53.25	\$69.55	\$111.49	\$145.35
	Raised Face	\$36.21	\$44.11	\$75.57	\$91.51
20"	Full Face	\$63.59	\$80.64	\$132.92	\$167.89
	Raised Face	\$43.32	\$51.98	\$90.12	\$107.57
24"	Full Face	\$82.91	\$109.33	\$172.44	\$226.49
	Raised Face	\$58.77	\$70.99	\$121.68	\$146.30

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DFG-153 (Dual Flange Gaskets)

Material Composition and Application

High Performance .175" Thick – Penta Layered Graphite with 99.85% carbon content and 316SS Dual Flange Gaskets (Class 150/300). Multi-layer graphite with 316SS inserts provides high compressive strength, blow-out resistance, excellent handling properties and improved tightness. The unique geometry of this gasket offers multiple benefits for the user.

Benefits

Excellent Resistance

- Pure exfoliated graphite flake material excels in extreme conditions, withstanding heat & pressure
- Fire-safe
- Chemical resistant
- No aging, unlimited shelf life

Reliable Seal

- Seals easily under moderate bolt load, offers superior torque retention
- Retains dimensional stability in high temperature; seals tightly even during pressure fluctuations
- Perfect for pitted and scratched flanges

Safety

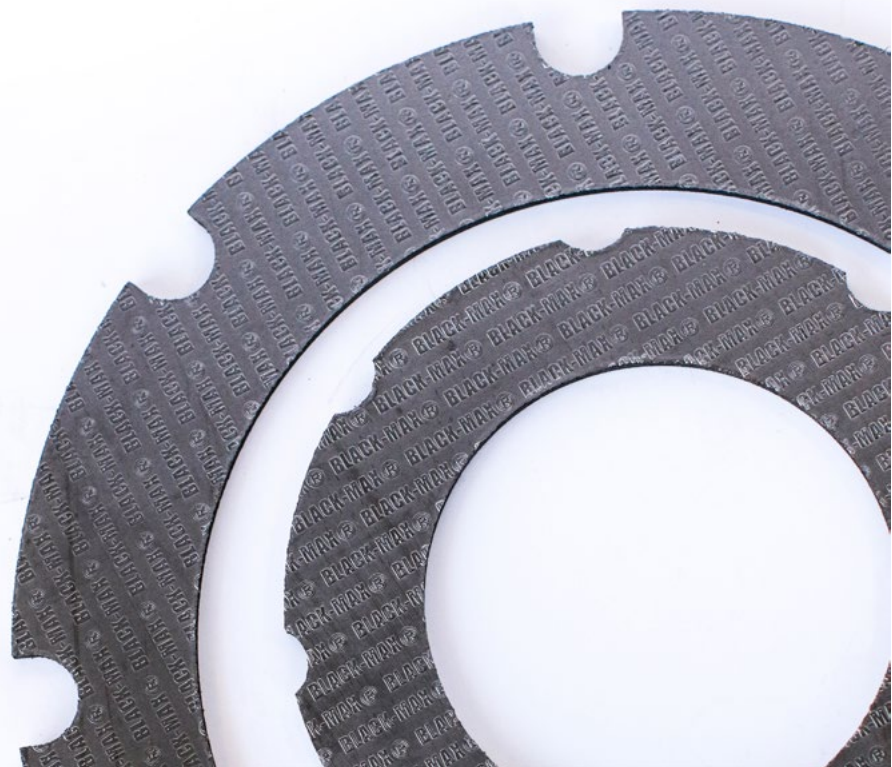
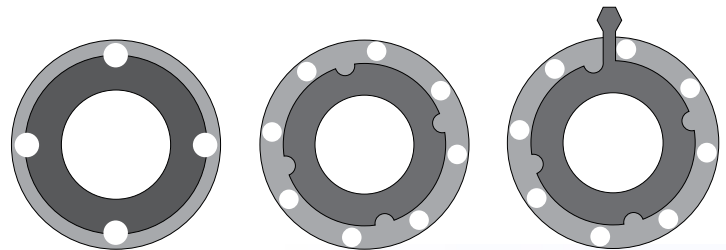
- Elastomer free means no premature failures at elevated temperatures
- Ideal for hydrostatic testing
- No sharp edges

Inventory Management

- One gasket for both 150# and 300# flanges
- Only 18 SKU's to manage from 1/2" to 24"
(Reduced from 36)

Min. Temperature	-400°F
Max. Temperature	+850°F (+454°C) (in atmosphere) +1200°F (+650°C) (in steam)
Max. Pressure	2000 psig (137 bar)
pH	0-14
PXT (Max)	175,000 (6,000)
M Factor	2 (Smooth Flange Surface)
Y Stress	900 psi (6 MPa) (Smooth Flange Surface)
Max. Gasket Load	24,000 psi (165 MPa)

Available with dove-tailed tabs for gasket alignment and visual indicator.



STEAMWORKS

Diameter	Dual Class	List Price
1/2"	150#/300#	\$1.64
3/4"	150#/300#	\$2.25
1"	150#/300#	\$2.61
1 1/4"	150#/300#	\$3.19
1 1/2"	150#/300#	\$3.99
2"	150#/300#	\$5.14
2 1/2"	150#/300#	\$6.70
3"	150#/300#	\$6.34
4"	150#/300#	\$8.84
6"	150#/300#	\$15.71
8"	150#/300#	\$20.99
10"	150#/300#	\$26.96
12"	150#/300#	\$34.22
14"	150#/300#	\$43.28
16"	150#/300#	\$49.92
18"	150#/300#	\$56.94
20"	150#/300#	\$63.59
24"	150#/300#	\$83.76

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STEAMWORKS



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TEX-MAX High Density Fiberglass Rope & Tape

▼ Material Composition and Application

TEX-MAX rope and tape products are high-temperature, non-combustible 100% pure E-glass fiber composite and can withstand continuous exposure up to 1,000°F. It will not burn or support combustion, and is resistant to degradation caused by exposure to common industrial fluids and chemicals. Reduce heat loss and maintain proper internal system temperatures by insulating with TEX-MAX rope and tape products.

The TEX-MAX rope is available in round or square braided construction to achieve higher density and is widely used as a standalone gasketing/packing solution for boilers, industrial ovens, furnaces, kilns, and in various foundry applications. It is also used as the bulb material in tad-pole gaskets.

TEX-MAX tape is a tightly woven, highly versatile and easy product to install. It often used as a gasket tape for high temperature applications or can be used to insulate lines with a large or irregular outer diameter pipes with bends, and for existing lines which require insulation and cannot be disconnected. Wrapping systems in 100% fiberglass TEX-MAX tape provides reliable thermal protection and insulation in extreme environments.

Resistant to common industrial fluids and chemicals, this noncombustible thermal tape provides continuous insulation in the harshest of industrial applications.

Manufacturers, operators, and MRO professionals will appreciate the straightforward installation that does not require system shutdowns for line insulation. TEX-MAX tape is commonly used as a boiler door seals, pipe wrap, furnace curtains, and tadpole tapes. It is available in plain woven, drop warp or bolt hole tape, and can be provided with adhesive-backing.

▼ TEX-MAX Material Composition

- *Highly texturized E-Glass fiber*
- *Versatile thermal protection*
- *Tightly knit tape, firm braided high-density rope*
- *Extremely lightweight and flexible*

▼ TEX-MAX Added Value

- *REACH and RoHS compliant*
- *Extensive stock for short lead times*
- *Economical system protection*
- *Packing, sealing and gasket component*

Working Temperature (continuous) 1,000°F (535°C)



STEAMWORKS

Spool Size	PRICE PER ROLL			
	Fiberglass Woven Drop Warp Tape	Fiberglass Woven Tape	Ceramic Woven Drop Warp Tape	Ceramic Woven Tape
0.062" x 1" x 100'	\$7.03	\$8.43	\$19.66	\$19.95
0.062" x 2" x 100'	\$14.04	\$14.61	\$39.33	\$39.89
0.125" x 1" x 100'	\$14.04	\$14.61	\$39.33	\$39.89
0.125" x 1.5" x 100'	\$21.07	\$21.91	\$58.99	\$59.84
0.125" x 2" x 100'	\$28.09	\$29.21	\$78.65	\$79.78
0.125" x 3" x 100'	\$42.14	\$43.82	\$117.98	\$119.66
0.125" x 4" x 100'	\$56.18	\$58.43	\$157.30	\$159.55
0.125" x 6" x 100'	\$84.27	\$131.46	\$235.96	\$358.99
0.250" x 2" x 50'	\$28.09	\$29.21	\$78.65	\$79.78
0.250" x 3" x 50'	\$42.14	\$43.82	\$117.98	\$119.66

Spool Size	PRICE PER ROLL		
	High Density Braided Fiberglass Rope	High Density Braided Ceramic Rope	High Density Square Braided Ceramic Packing
0.250" x 575'	\$104.22	\$123.43	\$179.84
0.375" x 500'	\$150.67	\$253.10	\$351.94
0.500" x 275'	\$116.12	\$228.39	\$298.06
0.625" x 200'	\$144.71	\$251.90	\$328.12
0.750" x 125'	\$135.78	\$209.92	\$273.64
1.000" x 75'	\$132.20	\$207.24	\$270.36
1.250" x 30'	\$90.51	\$120.00	\$139.94
1.500" x 25'	\$106.00	\$147.39	\$186.70

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i-MAX Tadpole Gasketing

The only tadpole gasket that requires no drilling or punching.

▼ i-MAX Material Composition

i-MAX is a unique seal combining the attributes of both tad-pole gasketing and bolt hole tape. It is ideal for a high temperature thermal sealing of industrial laboratory, commercial and residential ovens and dryers with a maximum continuous operating temperature of 1,300°F / 700°C.

Manufactured from woven E-glass with heavy vermiculite coating, formed and sewn over a core material of fiberglass rope results in a characteristic tail structure which will accommodate bolt pass through. The i-MAX is a soft, resilient gasketing material for effective sealing on light metal flanges where limited bolting force is available and where doors and other closures rest on the bulb of the packing. It will maintain effective sealing throughout prolonged service in high temperature applications.

▼ i-MAX Applications

- Commercial and industrial ovens
- Oven and stove door thermal seal
- Wood, pellet, coal stoves and fireplaces
- Paper and pulp production
- OEM equipment thermal door and enclosure seal

▼ Temperature

Up to +1,300°F / 700°C

▼ i-MAX Features

- High temperature applications
- Remains stable to 1,300° F / 700°C
- High flexibility
- Use over irregular surfaces
- Thermal protection
- Abrasion resistance
- High tensile strength
- Non-flammable
- Conforms to uneven surfaces

▼ i-MAX Sizes

Tail will accommodate up to 1" diameter bolt pass through.

$\frac{3}{8}$ " x 2- $\frac{3}{8}$ " x 50'

$\frac{1}{2}$ " x 2- $\frac{1}{2}$ " x 50'

$\frac{5}{8}$ " x 2- $\frac{5}{8}$ " x 50'

$\frac{3}{4}$ " x 2- $\frac{3}{4}$ " x 50'

1" x 3" x 50'

Other sizes and materials are available upon request.

**Patent Pending*



STEAMWORKS

Description	\$/Roll
i-Max Drop Warp Tad-pole Tape $\frac{3}{8}$ " Bulb x 2- $\frac{3}{8}$ " OAW x 50' Long	\$192.69
i-Max Drop Warp Tad-pole Tape $\frac{1}{2}$ " Bulb x 2- $\frac{1}{2}$ " OAW x 50' Long	\$209.95
i-Max Drop Warp Tad-pole Tape $\frac{5}{8}$ " Bulb x 2- $\frac{5}{8}$ " OAW x 50' Long	\$227.12
i-Max Drop Warp Tad-pole Tape $\frac{3}{4}$ " Bulb x 2- $\frac{3}{4}$ " OAW x 50' Long	\$256.00
i-Max Drop Warp Tad-pole Tape 1" Bulb x 3" OAW x 50' Long	\$315.65

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Compressed Gasket Materials	Sheet Size	1/32"	1/16"	3/32"	1/8"	3/16"	1/4"
NAM-37C (NBR/Aramid NSF-61 Certified)	60" x 60"	\$61.23	\$106.03	\$159.25	\$212.68	\$318.31	\$567.00
	60" x 120"	\$122.45	\$212.06	\$318.51	\$425.36		
NAM-45 (NBR/Carbon Fiber)	60" x 60"	\$118.16	\$204.64	\$306.47	\$409.28	\$612.54	\$1,091.15
	60" x 120"	\$236.33	\$409.28	\$612.93	\$818.55		

PTFE Gasket Materials	Sheet Size	1/16"	1/8"	1/4"
JINYOU UFG (Expanded PTFE)	59" x 59"	\$1,431.00	\$2,226.00	\$5,247.00
	59" x 118"	\$2,862.00	\$4,452.00	\$10,494.00
TETRA-MAX HFG (PTFE Filled w/ Hollow Glass Spheres)	60" x 60"	\$1,590.00	\$3,180.00	
TETRA-MAX BSF (PTFE Filled with Barium Sulfate)	60" x 60"	\$1,908.00	\$3,816.00	
TETRA-MAX SF (PTFE Filled with Silica)	60" x 60"	\$1,590.00	\$3,180.00	
TETRA-MAX VGN (Virgin PTFE)	60" x 60"	\$149.53	\$299.06	

Flexible Graphite Gasket Materials	Sheet Size	1/32"	1/16"	1/8"
BLACK-MAX® LG (Plain Graphite)	39.4" x 39.4"	\$11.77	\$23.53	\$47.06
	60" x 60"		\$52.95	\$105.89
BLACK-MAX® SSC (316SS Foil Inserted Graphite)	39.4" x 39.4"	\$45.86	\$53.61	\$70.85
	60" x 60"		\$120.65	\$159.41
BLACK-MAX® SSTC (316SS Tang Foil Inserted Graphite)	39.4" x 39.4"	\$45.86	\$53.61	\$70.85
	60" x 60"		\$120.65	\$159.41

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▼ Terms and Conditions of Sale

1. **ACCEPTANCE:** All orders are subject to approval and acceptance by an authorized officer of the Seller. Acceptance of orders, whether oral or written is conditioned upon the Buyer's agreement to ALL the Seller's terms and conditions of sale (the – "Terms"). Acceptance of delivery by Buyer shall constitute Buyer's assent to the Terms. The Terms represent the complete agreement of the parties and no terms and conditions modifying the Terms shall be binding upon Seller unless agreed to in writing by an authorized officer of the Seller. No modification of the terms will be effected by Seller's shipment of goods following receipt of buyers purchase order, shipping request, or similar form containing printed terms and conditions conflicting or inconsistent with the Terms.
2. **PAYMENTS:** Unless otherwise provided, terms of payments are net 30 days. Prices are subject to change without notice, and all goods shall be billed at the prices then in effect at the time of shipment. Seller will notify Buyer of any price increase and Buyer may cancel any undelivered portion of the order by written notice to the Seller provided such written notice is received by Seller not more than ten (10) days after Buyer's receipt of notice of the price increase. Upon such cancellation, Buyer shall have no liability for the canceled portion of the order except as to goods then manufactured or in process, components procured by Seller from outside source, and special tooling and equipment procured for the execution of the order.
3. **CAUTION:** Gasket materials are known to contain fibers and particulates. Avoid creating dust. Breathing this dust may cause lasting lung damage. See Safety Data Sheet (SDS) for hazards identification, Buyer agrees to warn its employees, agents, representatives and customers of these dangers and to ensure that SDS's are made available to these persons. Buyer further agrees that the workplace in which the procured material is cut, installed, removed, handled or otherwise used by the Buyer and its employees, agents, representatives and customers shall fully comply with applicable OSHA and all other governmental laws and regulations and any recommendations of professional bodies such as the American Conference of Governmental and Industrial Hygienist (ACGIH). Buyer shall use its most diligent efforts to assure that its customers advise their employees, agents, representatives and customers of the described warnings for which requirement shall continue for each subsequent customer in the chain of distribution.
4. **LIMITED WARRANTY:** All goods are sold by Seller are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date goods are shipped. Damage due to transit, improper installation, misuse, field alterations, lack of maintenance, improper storage, neglect, accident or any other reason of any description not under the control of the seller is excluded from this limited warranty. Any claim by the buyer with reference to the goods sold herein shall be deemed waived by the Buyer unless submitted to Seller in writing within thirty (30) days from the date the Buyer discovered or should have discovered any claimed breach.
5. **DAMAGES LIMITATION:** In no event, shall Seller be liable for consequential, incidental, direct or special damages arising, directly or indirect from the goods or the use or failure thereof, whether based on breach of warranty, negligence, strict liability in tort or otherwise. The information provided the Buyer about the product and its use only serve as guidelines since actual conditions of use are beyond Seller's control, the Buyer and/or the users must satisfy themselves that the product is suitable for the intended application.
6. **INDEMNIFICATION:** Buyer shall indemnify, hold harmless and defend Seller from and against all liability and expenses based upon personal injury, property damage or economic loss arising directly or indirectly from Seller's goods or the use or failure thereof as are caused by the negligent act or omission of the Buyer, its employees, agents, representatives and or customers.
7. **SAMPLES:** In the event that the Seller has furnished samples to the Buyer, Seller has no liability connection with these samples and there is no warranty as to these samples. Paragraphs 3 and 6 hereof apply to these samples.
8. **METHOD OF TRANSPORTATION:** Seller will use all reasonable efforts to comply with Buyer's request as to the method of shipment, but Seller reserves the right to use an alternate method of transportation or route of shipment in its discretion. In such cases, the Seller will notify the Buyer of such change as soon as reasonably possible.
9. **DELIVERY OF GOODS:** FOB Shipping Point. Delivery of goods to the carrier shall be deemed delivery of goods to the Buyer and thereupon title of goods and risk of loss or damage shall be the Buyer's. Any claim by the Buyer against the Seller for shortages or damage prior to such delivery must be made within seven (7) days after receipt of shipment and accompanied by the original transportation bill signed by the carrier noting that the carrier received goods from the Seller in the condition claimed.
10. **DELAYS:** Seller shall not be liable for delays in performance or nonperformance of this agreement or for delays in shipment or default in delivery for any cause beyond Seller's reasonable control including but not limited to, government action, shortage of labor, raw material, production or transportation facilities, labor difficulties, fire, flood or another casualty. In the event of any such delay in Seller's performance due in whole or part to any cause beyond Seller's reasonable control. Seller shall have such additional time for performance as may be reasonably necessary under the circumstances. Seller may fill other parts of the order, as it is capable of filling on schedule and in the event Buyer places any other part of the order elsewhere. Seller shall be entitled to fill the unplaced portion. Acceptance by Buyer of any goods shall constitute a waiver by Buyer of any claim for damages on account of any delay in delivery of such goods.
11. **HOLD ON DELIVERY:** Each shipment shall be treated as a separate and independent sale, but if Buyer fails at any time to pay any amount due hereunder or otherwise fails to fulfill the terms and conditions of this or other agreements between the parties. Seller may, without prejudice to other remedies defer further shipments until all defaults of Buyer have been fully cured, recall, countermand, or divert any shipment to buyer and revert title in Seller: or cancel any unshipped balance and terminate this agreement.
12. **TAXES:** Buyer shall pay all federal, state, territorial or municipal sales. Use, or similar taxes and other levies applicable to the goods or the sale or use thereof. All such taxes and charges are payable with the purchase price.
13. **COLLECTION AND SECURITY INTEREST:** Buyer shall make payments without expense to Seller and shall pay all reasonable attorneys' fees and other costs of collection incurred by Seller unless and until the goods are fully paid for. Seller reserves a security interest in the goods to secure the unpaid balance of the selling price and all other obligations of the Buyer to the Seller. Buyer hereby grants Seller a power of attorney to execute and file on behalf of Buyer all necessary financing statements and other similar documents required to perfect the security interest herein granted.
14. **TERMINATION:** This agreement cannot be terminated and goods cannot be returned without Seller's prior written consent.
15. **SUCCESSORS AND ASSIGNS:** This agreement shall bind and ensure to the benefit of the successors and assigns of the parties hereto. This agreement is not assignable or transferable by Buyer in whole or part except upon written consent of Seller.
16. **WAIVER:** Waiver by Seller of any breach of the Terms shall not be construed as a waiver of any other breach and Seller's failure to exercise any right arising from any default hereunder shall not be deemed a waiver of such right which may be exercised at any subsequent time. If any provision of this agreement shall be held invalid, illegal or unenforceable. The balance of the agreement shall remain in full force and effect as if such provision had not been included. The enumeration herein of certain rights does not exclude Seller from asserting other available legal or equitable rights.
17. **JURISDICTION:** This agreement shall be governed and construed in accordance with the laws of the state of Texas. Buyer's order is deemed acceptable at Cibolo, Texas.