



US Navy Gasket Kit

| Quantity | NPS ID |
|-----------|-----------------|
| 8 | 1" |
| 8 | 2" |
| 8 | 2.5" |
| 10 | 3" |
| 10 | 4" |
| 4 | 6" |
| 3 | 8" |
| 51 | \$625.90 |



Referred to as a "Hybrid Gasket", the above shows the standard Navy Kit with our SELF LOCATOR gaskets.

NPS ID refers to Nominal Pipe Size Internal Diameter.

You may purchase the gaskets individually.

Contact us by e-mail or fax if you wish to place an order, or phone if you have questions.

Technical Data Summary

The SELF LOCATOR gaskets are a complete stainless steel containment of a sealing element offering a true compression seal. The patented design gives you long term reliability without flange welding and eliminates misalignment on installation. Due to its universal sizing, one gasket fits all flange pressure classes, eliminating the chance of incorrect gasket selection.

The most important feature of the gasket is the high unit load generated by the narrow sealing area provides a considerably higher flange clamping pressure and a better seal at a lower clamping force.

The standard gasket material is **304 SS**, with two (2) tracks of **Flexible Graphite** sealing elements.

Specialty gasket material and/or sealing elements are available as options.

| TECHNICAL DATA | |
|---|---|
| Sizes: | ½, ¾, 1, 1¼, 1½, 2, 2½ (including <i>metric equivalent</i>) 3, 3½, 4, 5, 6, 8, 10, 12 14, 16, 18, 20, 22, 24 |
| Flange Pressure Class: | 150# to 2500# |
| Thickness: | 1/32" thru 12"; 1/16" above 12" |
| Torque Values: | 50% to 65% of Bolt Yield |
| Flange Surface Finish: | 10 to 400 µin RMS (microinches) |
| Sealing elements width: | ≥1½ (gasket size) 0.125" each side. |
| Sealing elements width: | ½ to 1¼ (gasket size) 0.100" each side. |
| Minimal sealing element web width: | 0.670" |
| "M" and "Y" values: | m = 2.85, Y = 2900 psi |
| Leak Rate: | 0.005 in mg/m · s (DIN 28090 / 1..2) < 10ppm @ He |
| Temperature Range: | -200°C cryogenic air +500°C in regular atmosphere +650°C in steam +1000°C reducing or inert media |
| Pressure Range: | Full vacuum to +5000 psi |
| Minimum seating stress: | 2900 psi (20 MPa) |
| Maximum seating stress: | 23,200 psi (160 MPa) (testing equipment limit) |
| Recommended seating stress: | 5800 to 8700 psi (40 to 60 MPa) |
| Standards Available: | ANSI 16.5, DIN 2600, JIS B2220, BS 4505, BS 10, AUS 2129 |



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