Durlon® DURTEC®

API 607 Fire Safe Gasket

Durlon® DURTEC® can be used for virtually any connection configuration such as pipeline flanges, valves, small and large pressure vessels, heat exchangers, towers, tanks, etc. The proprietary design of the **DURTEC®** gasket makes it an excellent choice for tough to seal cyclical pressure and temperature applications.

ADVANTAGES

FIRE SAFE
Passed the modified API 607 fire test

Blow Out Resistant

- Metal core provides excellent resistance to internal pressure spikes

Reusable

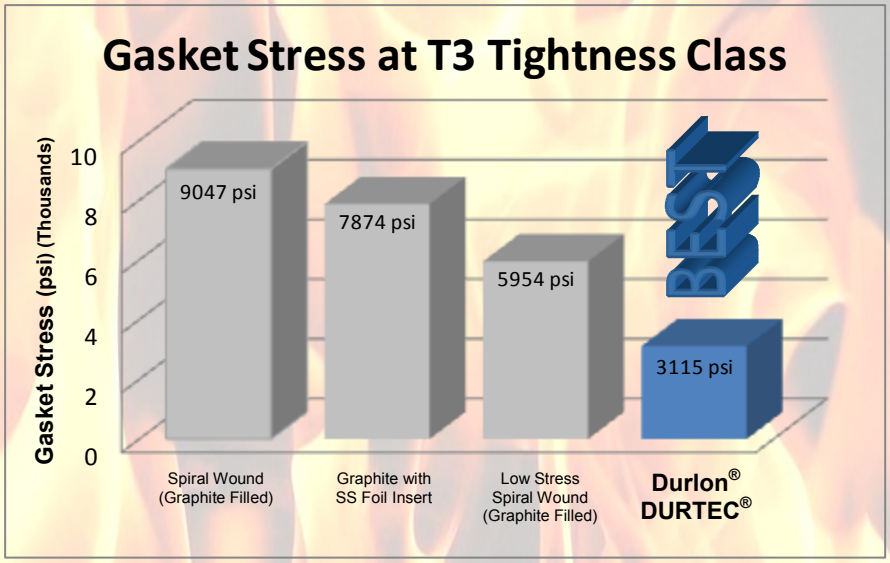
- On larger sizes and for special configurations, the core may be refaced with new material and reused providing lower cost of ownership

Superior Core Technology

- **DURTEC®** design can allow for complete replacement of spiral wound and kammprofile gaskets, with improved performance and lower life cycle cost

Easy & Safe to Handle, Install, and Remove

- Will not cut skin
- Large gaskets easily install, will not collapse, fold, or



Values are based on an ANSI 4" Class 150 Ring Gasket with commonly published gasket factors. T3 (tight) represents a mass leak rate per unit diameter (L_{RM}) of 0.00002 mg/sec-mm of gasket outside diameter.
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Durlon® DURTEC® gaskets are made with a specially engineered corrugated metal core that is bonded on both sides with soft covering layers, typically flexible graphite. The core is produced by patented technology that allows the finished gasket to have the best possible mechanical support function. Corrugations in the **DURTEC®** core are virtually uncrushable unlike conventional corrugated metal core gaskets. The precision construction guarantees that **Durlon® DURTEC®** gaskets will have excellent sealing characteristics even under low bolt loads.

Physical Properties

Temperature (according to selected materials)		Gasket Factors	
Min.	-200°C (-328°F)	Gb, psi	187
Max.	1000°C (1832°F)	a	0.467
Pressure, max.	4600 psi (320 bar)	Gs, psi	0.5
pH Range	0 - 14	m	1.5
Thickness	1/16" to 5.0mm	Y, psi	833

gasket resources incorporated

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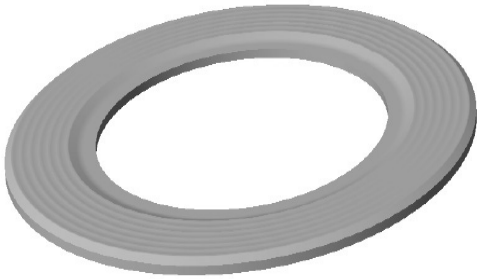
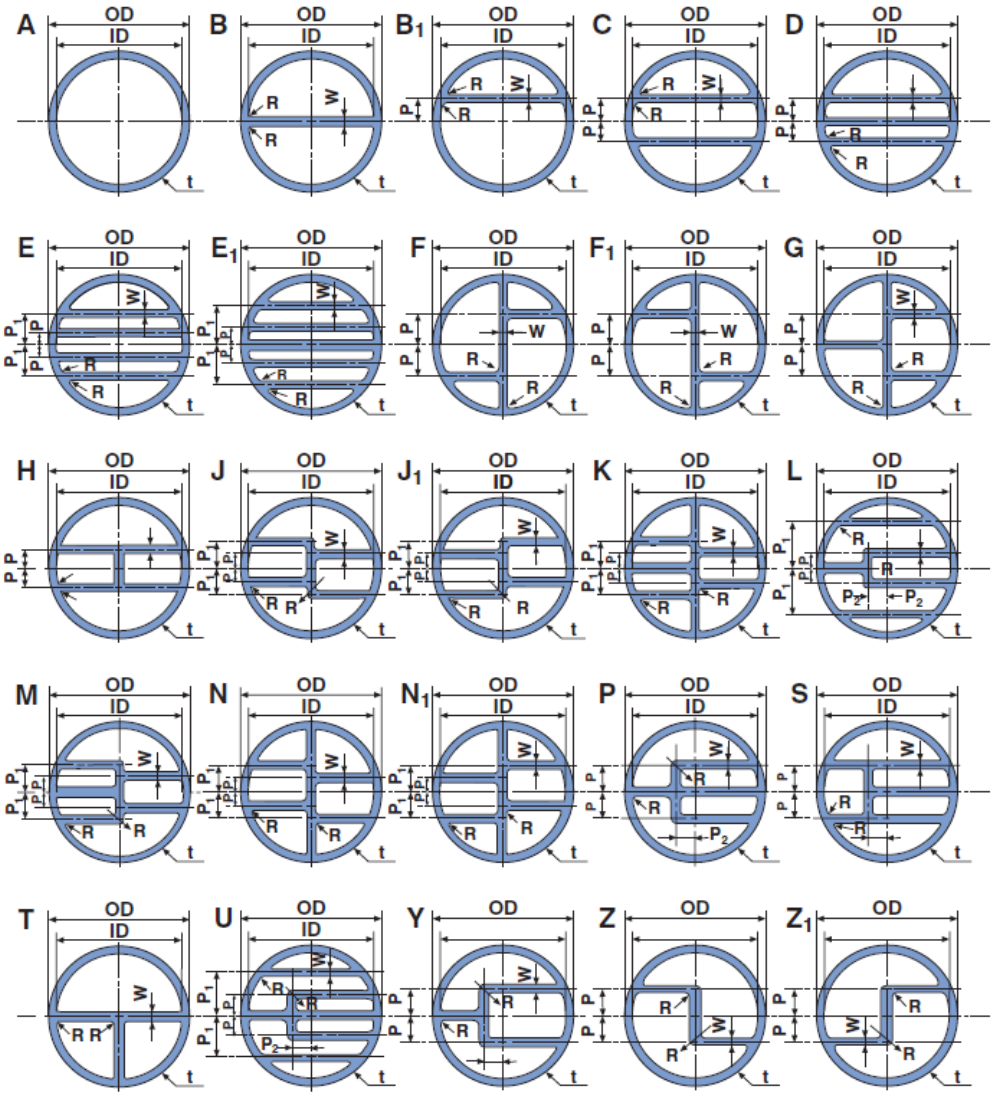


Sizes, Types, & Materials

- Standard ASME, DIN, JIS, and BS EN sizes
- Non-Standard MSS SP-44, API 605, and other sizes up to 236” (6m) in diameter
- Ovals (normal or irregular), manways, track shapes, diamonds, squares/rectangles, with ribs, etc.
- Standard core material is 316L stainless steel. Other core materials such as SS304, SS321, SS316Ti, Monel®, Titanium, Hastelloy®, and Alloy 20 can be manufactured to your specifications upon request.
- Alternate facing material is available upon request. Popular materials include **Dur**lon® 9600 expanded PTFE (ePTFE), virgin PTFE, mica, and ceramic.

COMMON HEAT EXCHANGER SHAPES

There are many styles of heat exchanger gaskets, most have complicated rib designs or partitions. While some of the most common designs are shown below, Triangle Fluid Controls can provide almost any configuration of heat exchanger type gasket utilizing our **Dur**lon® **DURTEC®** technology.



When inquiring and ordering, please specify the gasket shape by using the letter beside the style of the gasket as shown above. Along with the ID, OD, and thickness, we will require corner radii, flange width, distance from the center of the rib to the center of the gasket, and additional dimensions.