

# DURLON® SWG

## Spiral Wound Gaskets

Durlon® Spiral Wound Gaskets (SWG) are made with an alternating combination of a preformed engineered metal strip and a more compressible filler material which creates an excellent seal when compressed. The engineered shape of the metal strip acts as a spring under load, resulting in a very resilient seal under varying conditions. The strip metallurgy and filler material can be selected to seal a wide range of applications. All Durlon® SWG styles have been engineered to precise manufacturing tolerances that allow for lower stress (bolt load) sealing compared to conventional spiral wound gaskets. All Durlon® SWGs are manufactured according to ASME B16.20 standards. Quality Assurance complies with API Specifications Q1 and ISO 9001 standards.

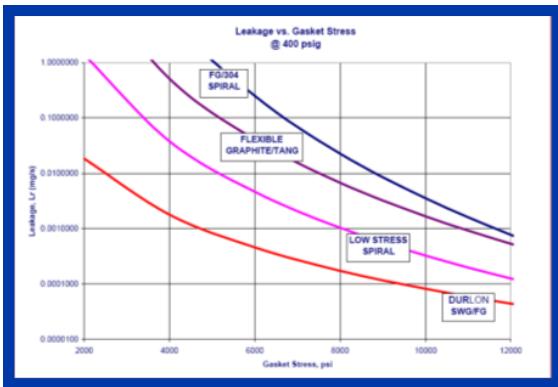


<b>Style D</b>	<ul style="list-style-type: none"><li>Sealing element only consisting of preformed engineered metal and more compressible filler material</li><li>Commonly used in tongue and groove or male and female flanges</li><li>Can also be supplied with an inner ring as Style DI</li></ul>	
<b>Style DR</b>	<ul style="list-style-type: none"><li>Sealing element (D) combined with a centering ring (R) which reinforces the gasket and acts as a compression stop</li><li>Commonly used with standard raised face and full face type flanges</li><li>Centering ring is electroplated which provides superior corrosion resistance compared to powder or liquid coating</li></ul>	
<b>Style DRI</b>	<ul style="list-style-type: none"><li>Sealing element (D) combined with a centering ring (R) and an inner ring (I) which improves radial strength and protects the sealing element from erosion and inward buckling</li><li>Commonly used with standard raised face and full face type flanges</li><li>Inner rings are recommended for all spiral wound gaskets but are mandatory (ASME B16.20-2007) for all PTFE filled gaskets, NSP 24" and larger Class 900, NSP 12", larger Class 1500 and NPS 4" and larger Class 2500</li></ul>	

### Advantages:

Durlon® SWGs obtain their initial seal with very low seating stresses and provide a tighter seal than typical low stress spiral wound gaskets and other high temperature alternative gaskets. Our advanced manufacturing process allows all Durlon® SWGs to perform better under low bolt stress applications while maintaining seal integrity under normal spiral wound gasket conditions.





Durlon® Style DR and DRI gasket centering rings (in carbon steel) are coated to provide protection against corrosion.

Durlon® Spiral Wounds are packaged with the utmost care to prevent damage during shipping to the job site.

m & Y Factors	m	Y, psi
Type D, DR & DRI, Graphite, Graphite/Mica & PTFE	2.8	6,500

ROTT FACTORS	G <sub>br</sub> psi	a	G <sub>s</sub> psi
Type D, DR, DRI-Graphite	86	0.594	0.1
Type D, DR, DRI-Graphite/Mica	90	0.590	0.1
Type D, DR, DRI-PTFE	173	0.405	1.0

#### Colour Coding Guidelines for Spiral Wound Gaskets

Metallurgy				Guide Ring Color Code*
Material	Minimum °F °C	Maximum °F °C	Abbreviation	
304 Stainless Steel	-320 -195	1,400 760	304	Yellow
316L Stainless Steel	-150 -100	1,400 760	316L	Green
317L Stainless Steel	-150 -100	1,400 760	317L	Maroon
321 Stainless Steel	-320 -195	1,400 760	321	Turquoise
347 Stainless Steel	-320 -195	1,700 925	347	Blue
Carbon Steel	-40 -40	1,000 540	CRS	Silver
20Cb-3 (Alloy 20)	-300 -185	1,400 760	A-20	Black
HASTELLOY® B 2	-300 -185	2,000 1,090	HAST B	Brown
HASTELLOY® C 276	-300 -185	2,000 1,090	HAST C	Beige
INCOLOY® 800	-150 -100	1,600 870	IN 800	White
INCOLOY® 825	-150 -100	1,600 870	IN 825	White
INCONEL® 600	-150 -100	2,000 1,090	INC 600	Gold
INCONEL® 625	-150 -100	2,000 1,090	INC 625	Gold
INCONEL® X750	-150 -100	2,000 1,090	INX	NO COLOR
MONEL® 400	-200 -130	1,500 820	MON	Orange
Nickel 200	-320 -195	1,400 760	NI	Red
Titanium	-320 -195	2,000 1,090	TI	Purple

Filler Materials				Stripe Color Code*
Material	Minimum °F °C	Maximum °F °C	Abbreviation	
Ceramic	-350 -212	2,000 1,090	CER	Light Green
Flexible Graphite	-350 -212	950 510	F.G.	Gray
PTFE	-400 -240	500 260	PTFE	White
Mica Graphite	-350 -212	1,400 760	MICA-GRA	Pink



Download iGasket® on  
your smartphone today!

® A registered trademark of Triangle Fluid Controls Ltd.

Durlon SWG REV 2013-2

t - 613.968.1100  
f - 613.968.1099  
tf - 866.537.1133



Triangle Fluid Controls Ltd.®

Belleville, ON  
CANADA

info@trianglefluid.com  
www.trianglefluid.com