

Garlock Expansion Joint ABRA-LINE™ Style 406 EZ-FLO®

Engineered for Abrasive Applications

The ABRA-LINE™ family of products was developed for highly abrasive applications typically found in the power generation, fertilizer, mining and chemical industries. These may include flue gas desulphurization systems, phosphate mining, dry bulk power transfer systems, tailings and slurry applications. Our proprietary urethane formula was designed to reduce wear and extend service life.

Style 406EZ-FLO® expansion joints contain a single wide flowing arch, eliminating the need for filled arches on slurry services. It's self flushing arch design eliminates media buildup and reduces turbulence.



DESIGN

- » Tube
 - Proprietary urethane formula for abrasive applications
 - Flowing arch design adds pressure resistance and reduces product buildup
- » Body
 - Rubber reinforced tire cord and polyester
- » Cover
 - Homogeneous layer of chlorobutyl elastomer extends to the outside edge of the flange

OPTIONAL CONFIGURATIONS

- » Extended Face-to-Face
- » Offsets, lateral, angular, and torsional
- » Custom drilling: ANSI, DIN, AWWA, BS, JIS, and special drilling patterns available on request

TARGET MARKETS

- » Power Generation
- » Fertilizer
- » Mining

CONTROL UNITS/TIE RODS

- » Recommended on most applications to prevent damage due to excessive pipe movements
- » Standard material: mild steel, galvanized or stainless steel also available

RETAINING RINGS

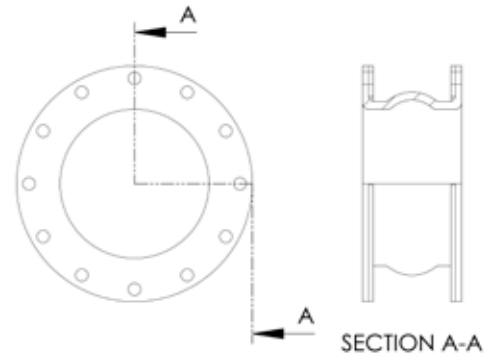
- » Required for all applications; provides metal surface to distribute bolt load evenly, preventing flange damage during bolt tightening
- » Standard material: mild steel with corrosion-resistant coating; galvanized or stainless steel also available

SPECIAL COVER MATERIALS

- » CSM
- » Nitrile
- » FKM Fluoroelastomer
- » EPDM
- » Neoprene

TEMPERATURE

- » Standard Chlorobutyl/Nylon Tire Cord +180°F (82°C)

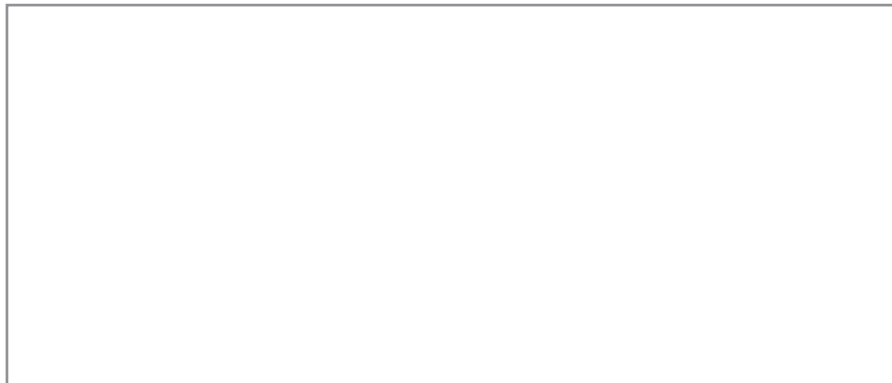


PRODUCT TABLE

Pipe Size I.D.		Movements					
		Compression		Lateral		Elongation	
inches	mm	inches	mm	inches	mm	inches	mm
1 - 5	25 - 100	3/4	19	1/2	13	3/8	10
6 - 18	125 - 450	1	25	1/2	13	1/2	13
20 - 24	500 - 600	1 1/4	29	1/2	13	1/2	13
26 - 40	650 - 1000	1 1/4	32	1/2	13	1/2	13
42 - 120	1050 - 3000	1 1/4	35	1/2	13	1/2	13

PRESSURE TABLE

Pipe Size I.D.		Pressure		Vacuum	
inches	mm	psi	bar	inch Hg	mm Hg
2 - 10	50 - 250	250	17	26	650
12	300	250	17	12	300
14	350	130	9	12	300
16 - 20	400 - 500	110	8	12	300
22 - 24	550 - 600	100	7	12	300
26 - 40	650 - 1000	90	6	12	300
42 - 66	1050 - 1650	80	5.5	12	300
68 - 96	1700 - 2400	70	5	12	300
98 - 108	2450 - 2700	60	4	12	300
110 - 120	2750 - 3000	50	3.5	12	300



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GARLOCK

an *EnPro* Industries family of companies

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