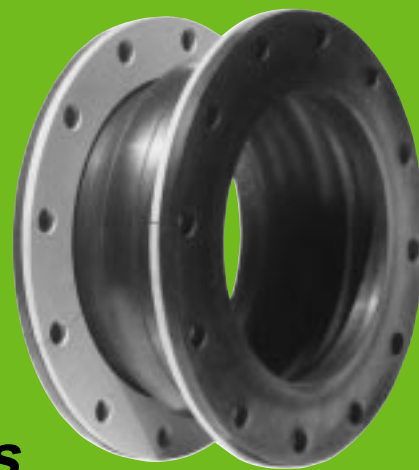


PROCO™

SERIES 261R



molded wide arch expansion joints

The PROCO Series 261R Wide Arch Expansion Joint expansion joint is specifically designed for use with Plastic or FRP Piping Systems. A replacement for standard spool-type expansion joints, the PROCO 261R has the lowest spring rate offered in the world today. With its low forces to compress, extend or laterally offset, the PROCO Series 261R can be used on plastic or FRP pipes, pumps, valves or tanks without fear of the expansion joint being stronger than the pipe, pump, valve or tank flanges. In addition the PROCO Series 261R is designed for tough demanding corrosive chemical applications, as found in: Chemical & Petrochemical Process Facilities and Highly Corrosive Industrial Piping & Pollution Control Systems. The PROCO Series 261R may be used where metallic hoses/expansion joints or old design rubber expansion joints may have been specified previously. Used on Pumps, Chillers, Cooling Towers, Compressors, Blowers, Fans, Absorption Machines, etc. to: (1) Absorb Pipe Movements/Stress, (2) Reduce System Noise, (3) Isolate Mechanical Vibrations, (4) Compensate Alignment/Offset, (5) Eliminate Electrolytic Action and Electrolysis, (6) Protect Against Start-Up/Surge Forces. Our history in the manufacture of expansion joints dates back to 1930. When you need an engineered rubber expansion joint solution to a piping problem, call PROCO.

PROCO Series 261R Wide Arch Rubber Expansion Joints offer some of the following advantages:

- **Low Spring Rates:** The Series 261R has the lowest spring rates and forces to deflect of any expansion joint made today.
- **Greater Movements:** The Series 261R has a wider arch than the conventional narrow arch of the spool-type expansion joint. This arch is twice the standard width of the spool-type arch, thus, eliminating the need for double and triple arch expansion joints.
- **Less Weight:** The steel flanges of spherical design (Series 240/242) can be very heavy, especially for plastic or fiberglass piping applications. The Series 261R Expansion Joint, including retaining rings, is considerably lighter than the spherical expansion joint design, which lowers shipping and installation costs.
- **Easier Sealing:** The Series 261R design utilizes the full-faced rubber and fabric flange of the spool-type design making sealing quick and sure when compared with the spherical design.
- **Self-Cleaning Wide Arch:** The Arch of the Series 261R is wide enough to allow the normal flow of the media to keep the arch clean of particulates. The accumulation of particles in the arch associated with the narrow arch spool-type design is not a consideration with the Wide Arch configuration.
- **Looks Familiar:** It looks like the familiar design of the spool-type expansion joint. This long proven design adds to the comfort of the Series 261R.

Flange Drilling/Retaining Rings. All PROCO Series 261R Wide Arch Expansion Joints are drilled in accordance with ANSI 125/150# Standards. They must be installed against a Full-Face Flange with the unique Backing/Retaining Rings that are supplied with the joint. Rings are fabricated from plate steel; plated to prevent corrosion. Rings from materials such as 304 or 316 Stainless Steel are available upon request. Gaskets or packing are not required with the PROCO Series 261R. **Visit our Web site for specific mating flange guidelines.**

High Pressure with Full Safety Factors. The PROCO Series 261R pressure ratings meet or exceed the requirements of the Fluid Sealing Association, Non-Metallic Expansion Joint Division for Series A or C. Sizes 1.5" through 12" include a three-to-one safety factor; sizes 14" through 20" include a four-to-one safety factor.

Absorbs Pipe-Wall and Fluid-Borne Noise. The noise transmission problems of metallic expansion joints are eliminated with the Series 261R Expansion Joints. Pipe-Wall sound loses energy and is absorbed as the noise carried by the piping both enters and leaves the rubber section. Fluid-Borne noise is absorbed by the volumetric expansion (breathing) of the expansion joint. This action cushions water hammer and smooths pumping impulses.

Isolates Vibration and Motion. Vibration originating from mechanical equipment is absorbed by the PROCO Series 261R. To isolate the equipment, rubber connectors should be installed just before and after the equipment generating the vibration. As most machinery vibrates in a radial direction from the main shaft, for optimum performance the PROCO connector should be installed horizontally and parallel to the shaft. Vertical and perpendicular installation of the Series 261R Wide Arch Expansion Joint is permissible as it will accept axial, lateral and rotational movements simultaneously. Installation of the Series 261R in a system allows isolated equipment to move freely on its vibration mountings. **Note: For maximum vibration transmission reduction, the piping section beyond the rubber connector must be anchored or rigid.**

Large Inventories Mean Same-Day Shipment. We maintain the largest inventory of expansion joints in the world. Rubber, PTFE Lined, Plastic or Metal Hose — PROCO can ship the products you need when you need them! In fact, when it comes to expansion joints, **if PROCO doesn't have them in stock ... nobody does!**

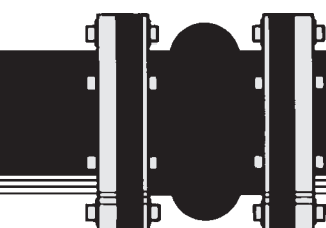
Information • Ordering • Pricing • Delivery. Day or night, weekends and holidays ... the PROCO phones are monitored 24 hours around the clock. When you have a question, you can call us.

Table 1: Available Styles • Materials • Temperatures

For Specific Elastomer Recommendations, See: **PROCO™ "Chemical To Elastomer Guide"**

| PROCO Style Numbers | Cover ^{1,2} Elastomer | Tube Elastomer | Maximum Operating Temp. °F (°C) | Branding Label Color | F.S.A. Material Class |
|----------------------|--------------------------------|----------------|---------------------------------|----------------------|-----------------------|
| Single Arch | | | | | |
| 261R/BB | Chlorobutyl | Chlorobutyl | 250° (121°) | Black | STD. III |
| 261R/EE ³ | EPDM | EPDM | 250° (121°) | Red | STD. III |
| 261R/NH | Neoprene | Hypalon® | 212° (100°) | Green | STD. II |
| 261R/NN | Neoprene | Neoprene | 225° (107°) | Blue | STD. II |
| 261R/NP ³ | Neoprene | Nitrile | 225° (107°) | Yellow | STD. II |
| 261R/NR | Neoprene | Natural | 180° (68°) | White | STD. I |

Notes: Hypalon® is a registered trademark of DuPont Dow Elastomers. All products are reinforced with tire cord and metal materials.
 1. Expansion joint "cover" can be coated with Hypalon® on special order.
 2. Styles with Neoprene covers meet all requirements of U.S.C.G.



Protecting Piping And Equipment Systems From Stress/Motion

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We Ship World Wide

