

PROCO

The Expansion Joint and Check Valve People

SERIES 450

Sleeve Type Pipe Connectors

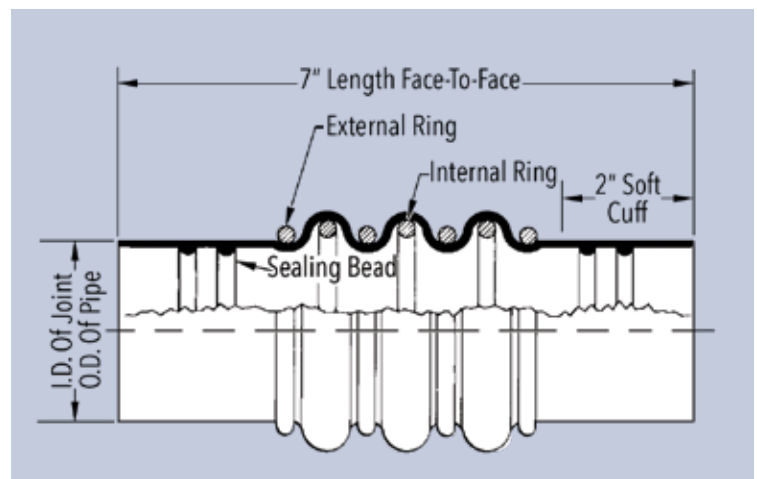


The PROCO Series 450 Sleeve Type Pipe Connectors are used for tough demanding applications found in: Refrigeration Pump Systems, Industrial Process Piping Systems, Power Generating Plant Pump Systems, Pulp/Paper Plant Pump Systems, Water-Wastewater Sewage and control systems where lower pressure and sleeve ends are used in lieu of flanged spool type rubber expansion joints. The Series 450 Sleeve Type Pipe Connectors are constructed of Neoprene rubber and reinforced with impregnated woven nylon.

Specify the PROCO Series 450 for installations near mechanical equipment in piping systems to: (1) Absorb Pipe/Movement/ Stress, (2) Reduce system Noise, (3) Isolate Vibration, (4) Eliminate Electrolysis, (5) Compensate Alignment/Offset & (6) Protect Against Start-Up/Surge Forces. Our history in expansion joint products dates back to 1930. When you need an engineered solution to a piping systems problem, call PROCO.

Construction of Sleeve Type Pipe Connectors: The Series 450 Sleeve Type Connectors are constructed of neoprene rubber and reinforced with impregnated woven nylon. Sealing beads are molded on the interior of the sleeve and provide extra sealing action for the clamping area. Internal reinforcing rings prevent deformation of the connector during surge or temporary negative pressure conditions. The outer reinforcement rings are provided to add external reinforcement.

Fastening Method: The Series 450 Sleeve Type Pipe Connectors require heavy duty, stainless steel, 1" wide "T" bolt clamps to provide proper clamping strength. Clamps are not stocked by PROCO Products, Inc. and are to be provided by others.



"The Expansion Joint & Check Valve People"

Protecting Piping and Equipment Systems from Stress/Motion

FLUID SEALING ASSOCIATION **FSA**

NAHAD
CHARTER LISTED MEMBER
SAFETY - QUALITY - RELIABILITY

IDCO
Industrial Distributor Co-op

American Water Works Association

Water Environment Federation®
Preserving & Enhancing the Global Water Environment
MEMBER

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Sleeve Type Pipe Connectors

Dimensions			Allowable Movements			Operating Conditions			Force To Move (Lbs.)		Wt.-Lbs.
Nominal Pipe Size	O.D. Of Pipe I.D. Of Joint	Length of Joint	Axial		Angular ± Degrees	Pressure (PSIG) ¹	Vacuum (In. Hg.)	Temp F° ²	Axial Extension	Axial Compression	Sleeve
			Extension	Compression							
1.5	1.900	7.0	.5	1.0	10°	75	20	225	30	26	1.4
2.0	2.375	7.0	.5	1.0	10°	75	20	225	35	30	1.6
2.5	2.875	7.0	.5	1.0	10°	75	20	225	40	34	1.8
3.0	3.5	7.0	.5	1.0	10°	75	20	225	45	40	2.0
3.5	4.0	7.0	.5	1.0	10°	75	20	225	48	43	2.2
4.0	4.5	7.0	.5	1.0	10°	75	20	225	50	45	2.4
4.5	5.0	7.0	.5	1.0	10°	75	20	225	53	52	2.7
5.0	5.563	7.0	.5	1.0	10°	75	20	225	57	60	2.9
6.0	6.625	7.0	.5	1.0	10°	75	20	225	65	75	3.4
8.0	8.625	7.0	.5	1.0	10°	75	20	225	100	145	4.3
10.0	10.750	7.0	.5	1.0	10°	75	20	225	265	255	5.1
12.0	12.750	7.0	.5	1.0	10°	75	20	225	650	400	6.7

Coupling to be slipped over pipe to a depth of 2".
Coupling is a flexible member, and pipe must be properly anchored and guided.
All dimensions are in inches.

Notes:
1. Burst pressure rated at four times operating pressure.
2. Can withstand an intermittent temperature of 275° F.

The largest inventory in North America!

PROCO PRODUCTS, INC.

PROCO has a vast array of Style/Elastomer configurations. We have an inventory to 72" diameter and can ship your requirement the same business day. With over 16 years of average experience in the expansion joint industry, our sales staff can answer any of your questions and help to solve your problems.



"The Expansion Joint & Check Valve People"
Speed Is Our Strength!

- Same-day shipping
- Knowledgeable sales staff that has an average of 16 years experience with expansion joints
- Daily UPS® and YRC® pick-up
- Preselected freight carriers to minimize "interline transfer"
- Emergency service for nights, weekends, and even holidays
- Complete expansion joint product line
- Largest inventory in North America



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