



SLEEVE-TYPE PIPE CONNECTORS

The Duraflex, Inc. Sleeve Type Pipe Connectors are constructed of Neoprene rubber and reinforced with impregnated woven nylon. They are typically used for tough demanding applications where lower pressure and sleeve ends are used in lieu of flanged spool type rubber expansion joints.

APPLICATIONS

- Refrigeration Pump systems
- Industrial Process Piping Systems
- Power Generating Plant Pump Systems
- Water-Wastewater Sewage
- Control Systems

Used for installations near mechanical equipment in piping systems to:

- | | |
|-------------------------------|---|
| ① Absorb Pipe Movement/Stress | ④ Eliminate Electrolysis |
| ② Reduce System Noise | ⑤ Compensate Alignment/Offset |
| ③ Isolate Vibration | ⑥ Protect Against Start-Up/Surge Forces |

CONSTRUCTION

Duraflex, Inc. Sleeve Type Pipe 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.

INSTALLATION

The Duraflex, Inc. Sleeve Type Pipe Connector requires heavy duty, stainless steel, 1" wide "T" bolt clamps to provide proper clamping strength. Clamps are not stocked by Duraflex, Inc. and are to be provided by others.

DIMENSIONS			ALLOWABLE MOVEMENTS			OPERATING CONDITIONS			FORCE TO MOVE (LBS)		WT (LBS)
Nom. Pipe Size	OD/Pipe ID/Joint	Length of Joint	Axial		Ang. ± Deg.	Pressure PSIG <i>Note1</i>	Vacuum In. Hg.	Temp °F <i>Note2</i>	Axial Ext	Axial Comp	Sleeve
			Ext.	Comp.							
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

CUSTOM
 Non-arched or Arched versions in unlimited diameter varieties.

Chart lists standard diameters only!

All dimensions are in inches.

Coupling to be slipped over pipe to a depth of 2". Coupling is a flexible member and pipe must be properly anchored and guided.

NOTES:

- Burst pressure rated at four times operating pressure.
- Can withstand an intermittent temperature of 275° F.

