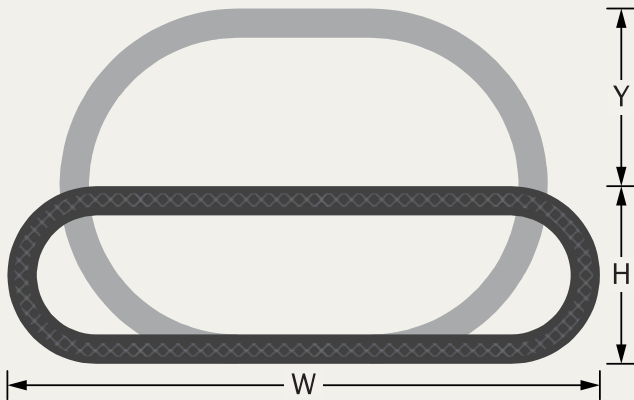




The PRS701 is one of our more popular Type 2 molded, fabric-reinforced profiles. We have several material and configuration options readily available. Type 2 profiles are typically housed in channels and are best suited for radial expansion inward/outward applications.

Drawings [PDF](#) [DWG](#) [SAT](#)

Profile Details

Style C (Racetrack)

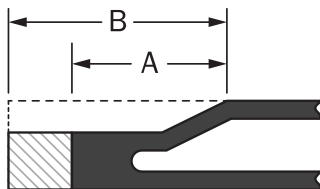
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
1.250	31.75	0.375	9.525	0.375	9.525

Standard Operating Pressure

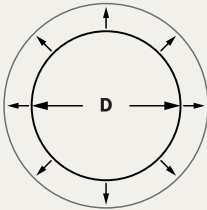
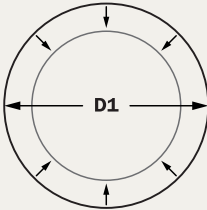
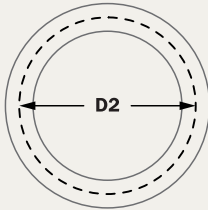
Minimum		Maximum	
psi	bar	psi	bar
20.000	1.379	45.000	3.103

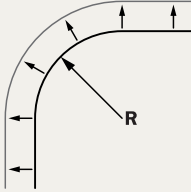
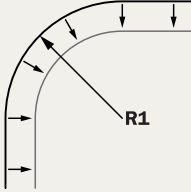
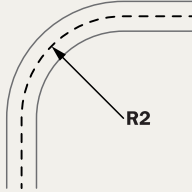
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	1.125	28.575
Boot Dimension B	3.125	79.375
Minimum Straight Length	4.000	101.600

Minimum Dimensions for Radial and Axial Expansion

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
5.000 in	127 mm	6.000 in	152.4 mm	6.000 in	152.4 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
2.000 in	50.8 mm	3.000 in	76.2 mm	3.000 in	76.2 mm

Materials

Standard Materials

<u>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
<u>E6A53 (C/U)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (For All Configurations)

Special Materials (Special Setup Charges May Apply)

<u>36B07 (C/U)</u>	60 Durometer High Quality Black Neoprene (For All Configurations)
<u>47A09 (C/U)</u>	60 Durometer Nitrile Designed for Chemical Resistance and High Cycle Life (For All Configurations)
<u>S55202 (C)</u>	55 Durometer Gray, FDA-Compliant Silicone Molding Compound (For All Configurations)

Air Connectors

AC1 Non-Reinforced Flexible Hose Connector



TYPE2.AC2

Base Reinforced Hose Detail

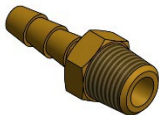
[PDF](#)

TYPE2.AC2E

End Reinforced Hose Detail

[PDF](#)

ACFIT Hose Fittings



PI KF03-02 PS

Male 1/8-27 NPT Fitting

[PDF](#)

Retainers



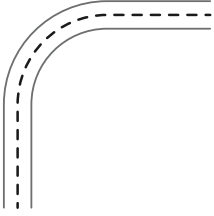
PR36811

*Retainer Groove Dimensions for
PRS701*

[PDF](#)

Tooling

90RCL



90 Degree Radiused Corner Molds for Axial Expansion. Used with straight legs to mold seal

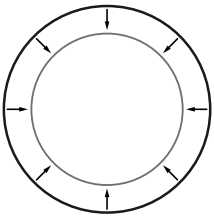
PRS701-90RCL-300

3" (76.20 mm) axial expansion radiused corners. Range of use = 3" (76.20 mm) CL to 4" (101.60 mm) CL

PRS701-90RCL-250

2.5" (63.50 mm) axial expansion radiused corners. Range of use = 2.5" (57.15 mm) CL to 3.5" (88.90 mm) CL

360IN



360 Degree Circular Molds for Expansion Inward

PRS701-360IN-969

9.69" (246.12 mm) inflation inward circular mold (OD)

PRS701-360IN-938

9.375" (238.12 mm) inflation inward circular mold (OD)

PRS701-360IN-775

7.75" (196.85 mm) inflation inward circular mold (OD)

PRS701-360IN-762

7.6" (193.04 mm) inflation inward circular mold (OD)

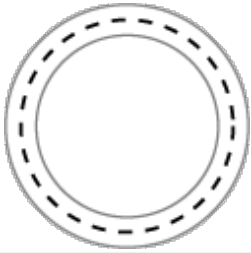
PRS701-360IN-580

5.8" (147.32 mm) inflation inward circular mold (OD)

PRS701-360IN-450

4.5" (114.30 mm) inflation inward circular mold (OD)

360CL



360 Degree Circular Molds for Axial Expansion

PRS701-360CL-850

8.5" (215.90mm) axial expansion circular mold (CL)

PRS701-360CL-837

8.37" (212.59 mm) axial expansion circular mold (CL)

PRS701-360CL-825

8.25" (209.55 mm) axial expansion circular mold (CL)