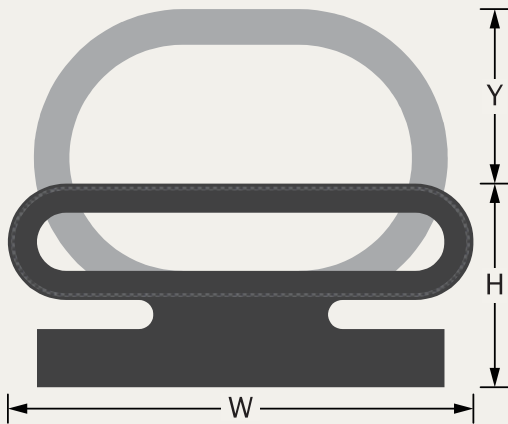




The PRS582 molded, fabric-reinforced inflatable profile is one of our more popular designs and is available in many different types of materials and configurations. This cross-section is designed for ease of mechanical retention (see retainer tab), and its footed profile allows the bulb portion to cover a fairly large gap.

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

Profile Details

Style S (Smooth)

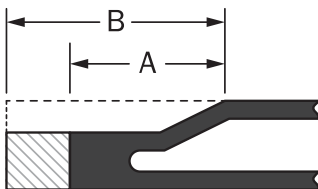
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
2.000	50.8	0.875	22.225	0.750	19.05

Standard Operating Pressure

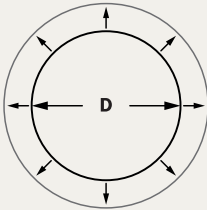
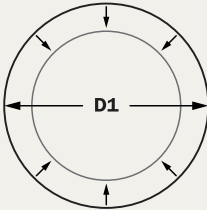
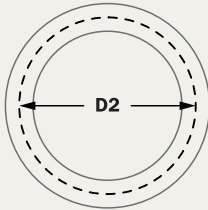
Minimum		Maximum	
psi	bar	psi	bar
20.00	1.379	45.00	3.103

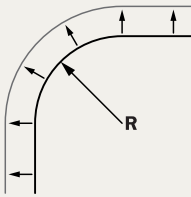
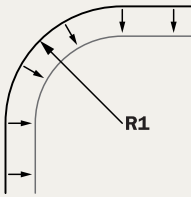
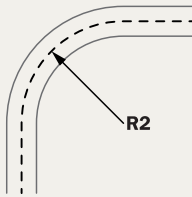
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	1.500	38.100
Boot Dimension B	3.500	88.900
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)	
9.000 in	228.6 mm	24.000 in	609.6 mm	9.000 in	228.6 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
4.000 in	101.6 mm	11.750 in	298.45 mm	4.120 in	104.648 mm

Materials

Standard Materials

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

Air Connectors

AC3A Reinforced Hose with Crimped Ferrule Adapter

**TYPE1.AC3A***Base Reinforced Hose Detail*[PDF](#)**TYPE1.AC3AE***End Reinforced Hose Detail*[PDF](#)

AC3B Reinforced Hose with Female Seal Adapter

**TYPE1.AC3B***Base Reinforced Hose Detail*[PDF](#)**TYPE1.AC3BE***End Reinforced Hose Detail*[PDF](#)

ACFIT Hose Fittings

**PI KF03-02 PS***Male 1/8-27 NPT Fitting*[PDF](#)**PRV14779.002***1/8-27 NPT Connector, Stainless Steel*[PDF](#)

AC14 Threaded End Connections



TYPE1.AC14E.PRV8426.905

End Connector

[PDF](#)

Retainers



PR5690

One-Piece Retainer

[PDF](#)



PR5710

Two-Piece Retainer

[PDF](#)



PRS288-SS

Z-Clip

[PDF](#)



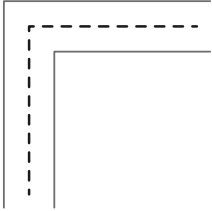
PR36491

*Retainer Groove Dimensions for
PRS582*

[PDF](#)

Tooling

SQR

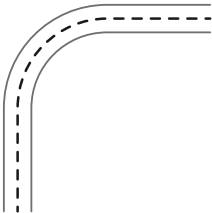


90 Degree Square Corner Molds for Axial Expansion

PRS582-SQR-0

Square corners for axial expansion

90RCL



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

PRS582-90RCL-725

7.25" (180.98 mm) axial expansion radiused corners. Range of use = 7" (177.80 mm) to 8.5" (215.90 mm)

PRS582-90RCL-713

7.125" (180.98 mm) axial expansion radiused corners. Range of use = 7" (177.80 mm) to 8.5" (215.90 mm)

PRS582-90RCL-706

7.0625" (179.39 mm) axial expansion radiused corners. Range of use = 7" (177.80 mm) to 8.5" (215.90mm) centerline

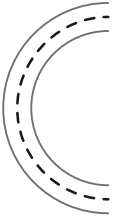
PRS582-90RCL-650

6.5" (165.10 mm) axial expansion radiused corners. Range of use = 6" (152.40 mm) to 8" (203.20 mm)

PRS582-90RCL-413

4.125" (104.78 mm) axial expansion radiused corners. Range of use = 4" (101.60 mm) to 6" (152.40 mm) centerline

180CL

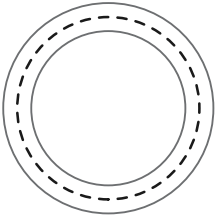


180 Degree Molds for Axial Expansion. Used with straight legs to mold seal

PRS582-180CL-540

5.4" (137.16 mm) for axial expansion ovals and circles. Minimum circular size is 10.812" (274.62 mm)
CL

360CL



360 Degree Circular Molds for Axial Expansion

PRS582-360CL-825

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