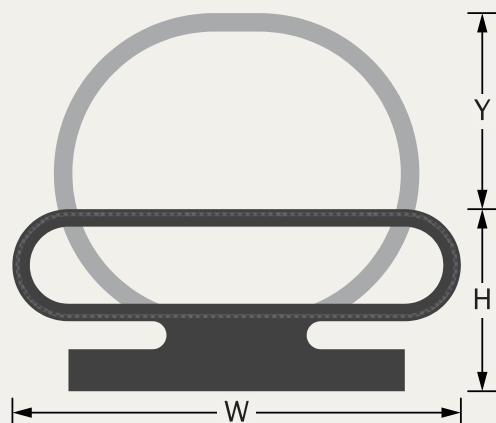




The PRS705 molded, fabric-reinforced inflatable profile is available in several different types of materials and configurations. This cross-section is designed for ease of mechanical retention (see retainer tab), and its footed profile allows the bulb portion to cover a fairly large gap.

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

Profile Details

Style S (Smooth)

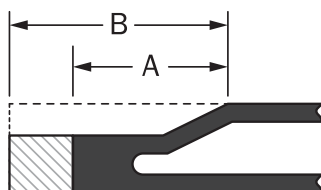
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
4.000	101.6	1.625	41.275	1.500	38.1

Standard Operating Pressure

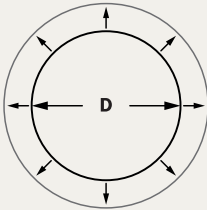
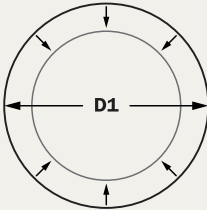
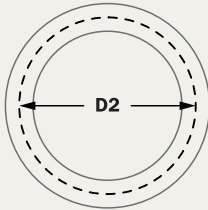
Minimum		Maximum	
psi	bar	psi	bar
20.00	1.379	45.00	3.103

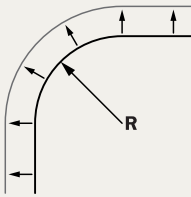
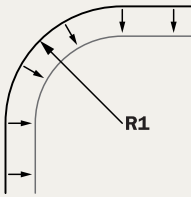
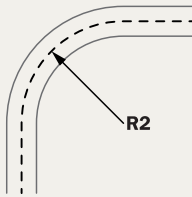
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	2.370	60.198
Boot Dimension B	4.120	104.648
Minimum Straight Length	5.000	127.000

Minimum Dimensions for Radial and Axial Expansion

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
18.000 in	457.2 mm	36.000 in	914.4 mm	22.000 in	558.8 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
8.000 in	203.2 mm	18.000 in	457.2 mm	4.000 in	101.6 mm

Materials

Standard Materials

<u>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
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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)

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](#)

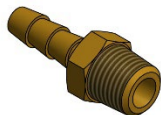


TYPE1.AC3BE

End Reinforced Hose Detail

[PDF](#)

ACFIT Hose Fittings



PI KF03-02 PS

Male 1/8-27 NPT Fitting

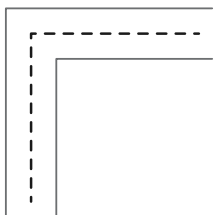
[PDF](#)

Retainers

**PR5224***Two-Piece Retainer*[PDF](#)**PRS290-SS***Z-Clip*[PDF](#)**PR36495***Retainer Groove Dimensions for
PRS705*[PDF](#)

Tooling

SQR



90 Degree Square Corner Molds for Axial Expansion

PRS705-SQR-0*Square corners for axial expansion*