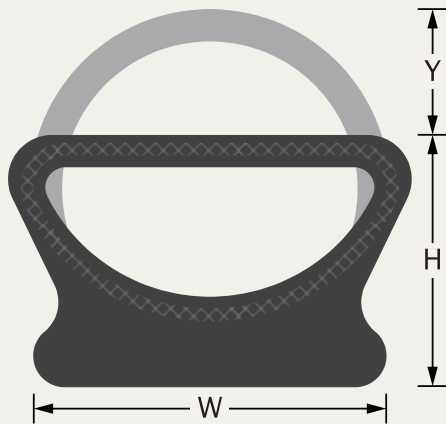




PRS709 is designed for a snap fit into a mating dovetail groove. PRS709 is better suited for inflation-inward applications when compared to the smooth or beaded style Type 3 profiles. Please note that tooling options are limited for this style.

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

Profile Details

Style SF (Smooth, Flat)

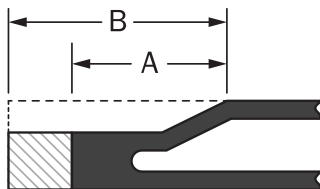
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
1.000	25.4	0.625	15.875	0.312	7.9248

Standard Operating Pressure

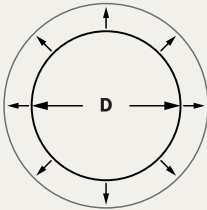
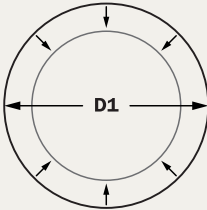
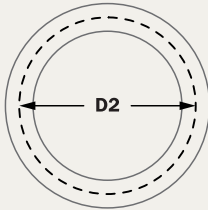
Minimum		Maximum	
psi	bar	psi	bar
10.00	0.690	35.00	2.413

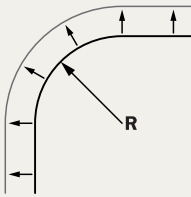
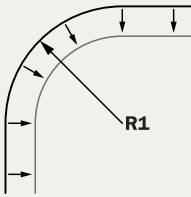
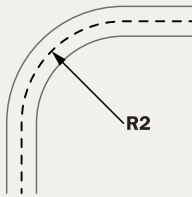
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	1.562	39.675
Boot Dimension B	2.062	52.375
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)	
14.000 in	355.6 mm	14.000 in	355.6 mm	7.000 in	177.8 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
6.000 in	152.4 mm	10.000 in	254 mm	3.500 in	88.9 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)
<u>E6A53 (C/U)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (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



TYPE3.AC3A

Base Reinforced Hose Detail

[PDF](#)

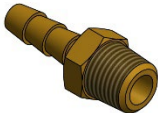


TYPE3.AC3AE

End Reinforced Hose Detail

[PDF](#)

ACFIT Hose Fittings



PI KF03-02 PS

Male 1/8-27 NPT Fitting

[PDF](#)

AC14 Threaded End Connections



TYPE3.AC14E.PRV8426.904

End Connector

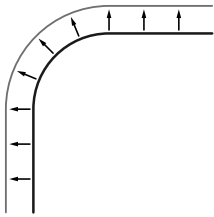
[PDF](#)

Retainers

None

Tooling

900UT

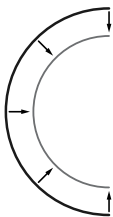


90 Degree Corner Molds for Expansion Outward. Used with straight legs to mold seal

PRS709-900UT-237

2.37" (58.42 mm) outward expansion radiused corners. Range of use = 2.375" (60.32 mm) to 3" (76.20 mm) ID

180IN



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

PRS709-180IN-737

7.37" (187.19 mm) for inflation inward ovals and circles. Minimum circular size is 14.75" (374.65 mm) OD