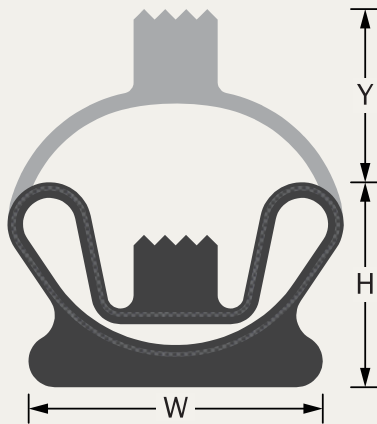




PRS594 is a popular molded, reinforced profile consisting of a sealing bead and dovetail base design. This cross-section is designed to snap into a mating retention system (see retainer tab) and can cover a large gap over a relatively narrow profile width.

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

Profile Details

Style B (Beaded)

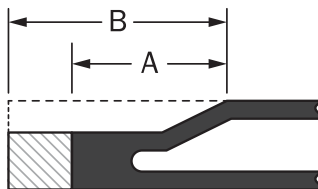
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
2.000	50.8	1.218	30.9372	1.219	30.9626

Standard Operating Pressure

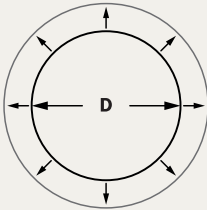
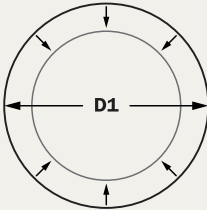
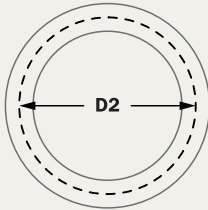
Minimum		Maximum	
psi	bar	psi	bar
10.00	0.690	35.00	2.413

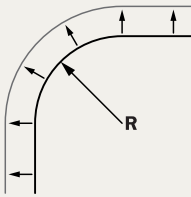
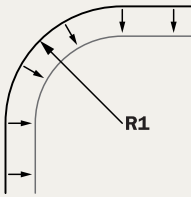
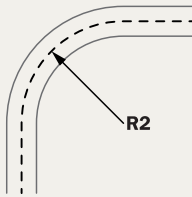
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	2.000	50.800
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)	
18.000 in	457.2 mm	18.000 in	457.2 mm	10.000 in	254 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
10.000 in	254 mm	16.000 in	406.4 mm	5.000 in	127 mm

Materials

Standard Materials

<u>E6A53 (C/U)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (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>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
<u>S55202 (C)</u>	55 Durometer Gray, FDA-Compliant Silicone Molding Compound (For All Configurations)

Air Connectors

AC2 Reinforced Hose with Crimped Ferrule Adapter



TYPE3.AC3A

Base Reinforced Hose Detail

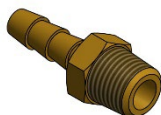
[PDF](#)

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

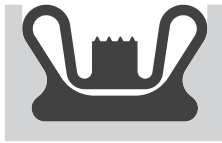


TYPE3.AC14E.PR8426.906

End Connector

[PDF](#)

Retainers



PR30073

Machine Groove Dimensions

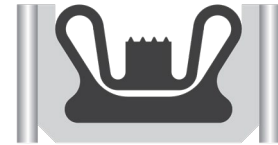
[PDF](#)



PR4226

One-Piece Snap In Retainer

[PDF](#)



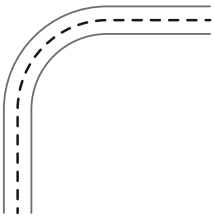
PR13161

Rubber Retainer

[PDF](#)

Tooling

90RCL



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

PRS594-90RCL-950

9.5" (241.30 mm) axial expansion radiused corners. Range of use = 9.0" (228.60 mm) to 10.5" (266.70 mm)

PRS594-90RCL-500

5" (127.00 mm) axial expansion radiused corners. Range of use = 3.5" (88.90 mm) to 6.5" (171.45 mm)

PRS594-90RCL-350

3.5" (88.90 mm) axial expansion radiused corners. Range of use = 3.5" (88.90 mm) to 5" (127.00 mm)

180CL



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

PRS594-180CL-780

7.8" (198.12 mm) for axial expansion ovals and circles. Minimum circular size is 15.616" (396.64 mm)
CL

