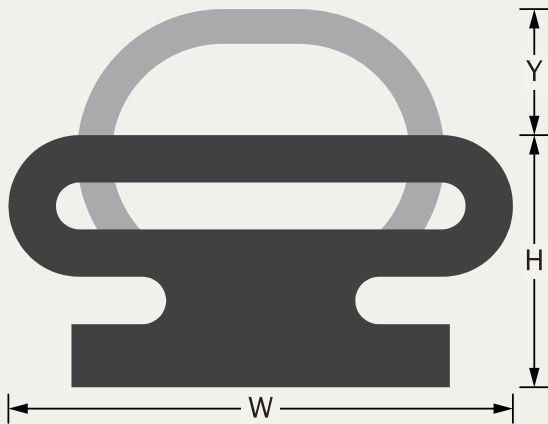




PRS978 is available in several different types of materials and configurations. This cross-section is designed for ease of mechanical retention (see retainer tab), and its footed profile allows the bulb portion to cover a fairly large gap.

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

Profile Details

Style S (Smooth)

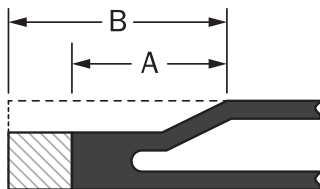
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
1.000	25.4	0.500	12.7	0.250	6.35

Standard Operating Pressure

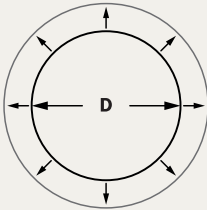
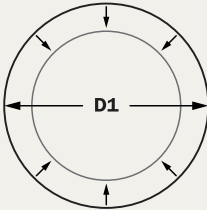
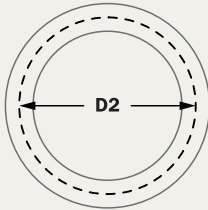
Minimum		Maximum	
psi	bar	psi	bar
10.00	0.690	25.00	1.724

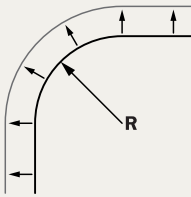
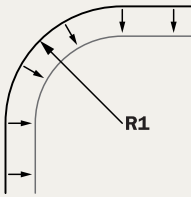
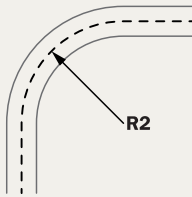
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	0.940	23.876
Boot Dimension B	1.440	36.576
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)	
3.000 in	76.2 mm	9.000 in	228.6 mm	5.000 in	127 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
1.500 in	38.1 mm	4.500 in	114.3 mm	2.500 in	63.5 mm

Materials

Standard Materials

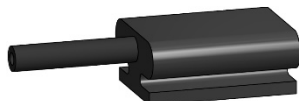
<u>E6A53 (C)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (For Straight and Radial Expansion In/Out Seals)
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Special Materials (Special Setup Charges May Apply)

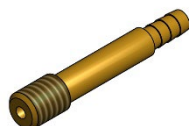
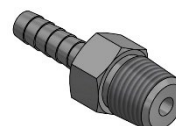
<u>E6A53 (U)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (For Axial Seals)
<u>47A09 (C/U)</u>	60 Durometer Nitrile Designed for Chemical Resistance and High Cycle Life (For All Configurations)
<u>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
<u>S60402 (C/U)</u>	60 Durometer Red. FDA Compliant Silicone Designed for High Cycle Life (For All Configurations)

Air Connectors

AC1 Non-Reinforced Flexible Hose Connector

**TYPE1.AC1A***Base Non-Reinforced Hose Detail*[PDF](#)**TYPE1.AC1AE***End Non-Reinforced Hose Detail*[PDF](#)

ACFIT Hose Fittings

**PRV14383.001***Male 1/8-27 NPT Fitting*[PDF](#)**PRV11856.001***.305-32 NEF Fitting*[PDF](#)**PRV14765.001***1/8-27 NPT Connector, Stainless Steel*[PDF](#)

Retainers



PRS286-SS

Z-Clip

[PDF](#)



PR36501

*Retainer Groove Dimensions
for PRS978*

[PDF](#)

Tooling

RSC



Relieved Square Corners

PRS978-SQR-0

Relieved square corners for axial expansion