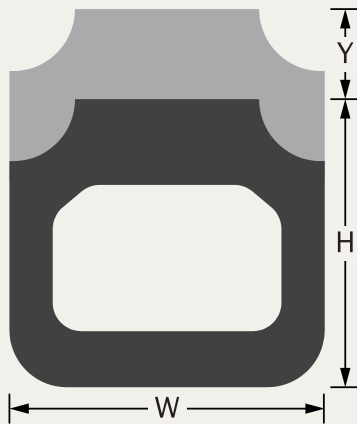




PRS999 is designed for high-pressure, low-gap applications. When inflated, the PRS999 sidewalls elongate to cover the recommended gap. The X style is designed to maximize overall sealing surface and is available in a low-outgassing, white FDA-compliant silicone and FDA-compliant EPDM.

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

Profile Details

Style X (Mesa Top)

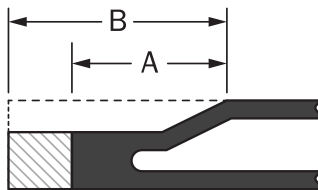
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
1.378	35.0012	1.260	32.004	0.394	10.0076

Standard Operating Pressure

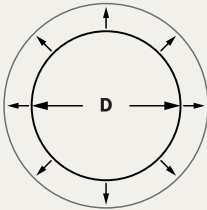
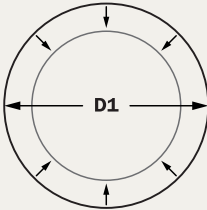
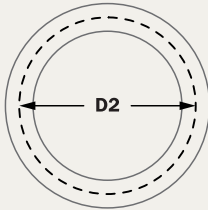
Minimum		Maximum	
psi	bar	psi	bar
50.00	3.448	80.000	5.516

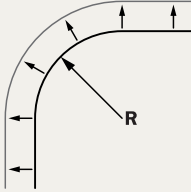
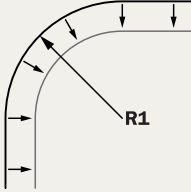
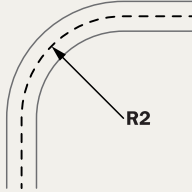
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	1.300	33.020
Boot Dimension B	1.800	45.720
Minimum Straight Length	8.000	203.200

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	12.000 in	304.8 mm	9.000 in	228.6 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
4.500 in	114.3 mm	6.000 in	152.4 mm	4.500 in	114.3 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)
<u>S50401 (C)</u>	50 Durometer Red, FDA-Compliant Silicone Compound (For All Configurations)

Special Materials (Special Setup Charges May Apply)

<u>E603A (C/U)</u>	60 Durometer EPDM for High Quality, High Flex Life Applications (For All Configurations)
<u>E6A53 (U)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (For Axial Seals)

Air Connectors

AC10 Threaded Air Connection (Supporting Cone on Base Valves)



TYPE10.AC10.PRV16377.903
M10X1.5 Threaded Air Connector,
50mm Long

[PDF](#)



TYPE10.AC10.PRV16377.904
1/8-27 NPT(S) Threaded Air
Connector, 70mm Long

[PDF](#)



TYPE10.AC10.PRV16377.919
M10X1.5 Threaded Air
Connector, 1.25" (31.80 mm)
Long

[PDF](#)



TYPE10.AC10.PRV16377.920
1/8-27 NPT Threaded Air
Connector, 1.625" (41.30 mm)
Long

[PDF](#)

AC11 O-Ring Style Connection (Supporting Cone on Base Valves)



TYPE10.AC11.PRV16473.902
O-Ring Style Connector, 30mm
Long

[PDF](#)

AC12 Barbed Connector (Supporting Cone on Base Valves)**TYPE10.AC12.PR17708.902**

*Threaded/Hose Barb Connector,
M8X1.25 Thread, 50mm Long*

[PDF](#)

**TYPE10.AC12.PR17708.905**

*Threaded/Hose Barb Connector,
M10X1.5 Thread, 51.70 mm Long*

[PDF](#)

AC13 Straight Pipe Connector (Supporting Cone on Base Valves)**TYPE10.AC13.PR16373.902**

*Straight Pipe Connector, 70mm
Long X 10mm OD*

**TYPE10.AC13.PR16373.905**

*Straight Pipe Connector, 1.25"
(31.80 mm) Long X 10mm OD*

[PDF](#)

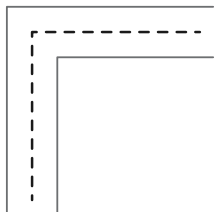
Retainers**PR36413**

*Retainer Groove Dimensions for
PRS999*

[PDF](#)

Tooling

SQR



90 Degree Square Corner Molds for Axial Expansion

PRS999-SQR-0

Square corners for axial expansion