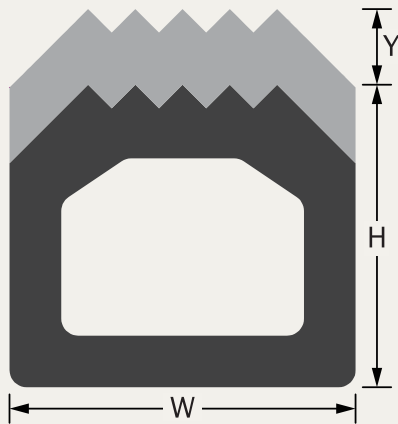




PRS971 is part of the Type 10 series of inflatable profiles and is designed for high-pressure, low-gap applications. When inflated, the sidewalls elongate to cover the recommended gap.

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

Profile Details

Style AB (Angled Bead)

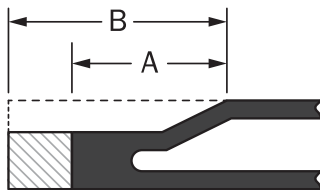
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
0.630	16.002	0.551	13.9954	0.138	3.5052

Standard Operating Pressure

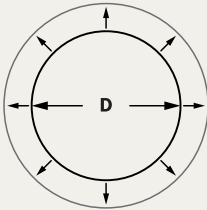
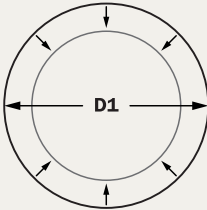
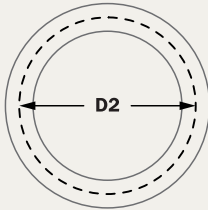
Minimum		Maximum	
psi	bar	psi	bar
50.00	3.448	60.000	4.137

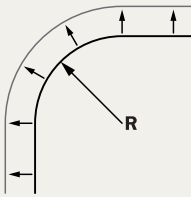
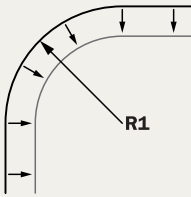
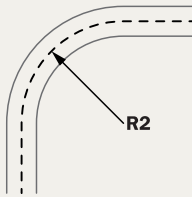
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	0.875	22.225
Boot Dimension B	1.375	34.925
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)	
5.000 in	127 mm	6.000 in	152.4 mm	4.000 in	101.6 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
1.630 in	41.402 mm	2.120 in	53.848 mm	1.630 in	41.402 mm

Materials

Standard Materials

<u>S50401 (C)</u>	50 Durometer Red, FDA-Compliant Silicone Compound (For All Configurations)
<u>E6A53 (C)</u>	60 Durometer Black FDA-Compliant EPDM With Excellent Flex Life (For Straight and Radial Expansion In/Out Seals)

Special Materials (Special Setup Charges May Apply)

<u>36B07 (C)</u>	60 Durometer High Quality Black Neoprene (For Straight and Radial Expansion In/Out Seals)
<u>47A09 (C)</u>	60 Durometer Nitrile Designed for Chemical Resistance and High Cycle Life (For Straight and Radial Expansion In/Out Seals)
<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)
<u>S50101 (C)</u>	50 Durometer White, FDA-Compliant Silicone Designed for High Pressures (For All Configurations)

Air Connectors

AC10 Threaded Air Connection (Supporting Cone on Base Valves)



TYPE10.AC10.PRV16377.900
M6X1 Threaded Air Connector,
30mm Long

[PDF](#)



TYPE10.AC10.PRV16377.901
M6X1 Threaded Air Connector,
50mm Long

[PDF](#)



TYPE10.AC10.PRV16377.917
M6X1 Threaded Air Connector,
1.00" (25.40 mm) Long

[PDF](#)

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



TYPE10.AC11.PRV16473.900
O-Ring Style Connector, 25mm
Long

[PDF](#)

AC12 Barbed Connector (Supporting Cone on Base Valves)



TYPE10.AC12.PRV17708.900
Threaded/Hose Barb Connector,
M6X1 Thread, 50mm Long

[PDF](#)



TYPE10.AC12.PRV17708.903
Threaded/Hose Barb Connector,
M6X01 Thread, 37.40 mm Long

[PDF](#)

AC13 Straight Pipe Connector (Supporting Cone on Base Valves)



TYPE10.AC13.PRV16373.900

*Straight Pipe Connector, 50mm
Long X 6mm OD*

[PDF](#)



TYPE10.AC13.PRV16373.903

*Straight Pipe Connector, 1.00"
(25.40 mm) Long X 6mm OD*

[PDF](#)

Retainers



PR36404

*Retainer Groove Dimensions for
PRS971*

[PDF](#)

Tooling

None