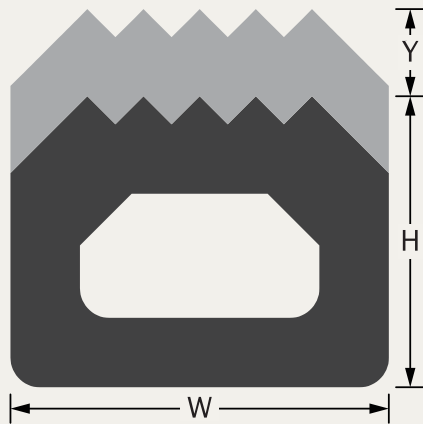




PRS973 is part of the Type 10 series of inflatable profiles and is designed for high-pressure, low-gap applications. When inflated, the sidewalls elongate to cover the recommended gap.

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

Profile Details

Style AB (Angled Bead)

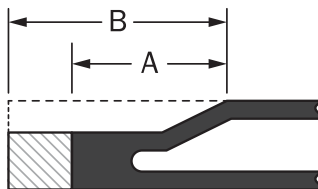
Dimensions

Width (W)		Height (H)		Gap (Y)	
in	mm	in	mm	in	mm
0.256	6.5024	0.197	5.0038	0.059	1.4986

Standard Operating Pressure

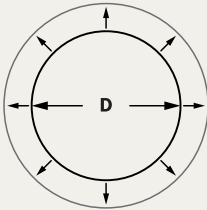
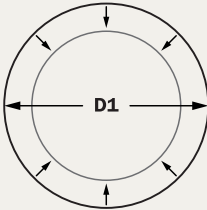
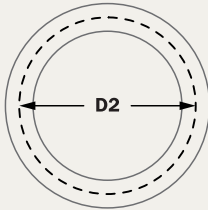
Minimum		Maximum	
psi	bar	psi	bar
50.00	3.448	50.000	3.448

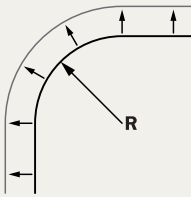
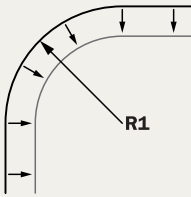
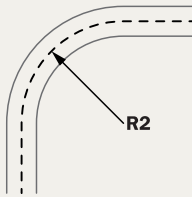
Boot Dimensions and Minimum Straight Length



	in	mm
Boot Dimension A	0.700	17.780
Boot Dimension B	1.200	30.480
Minimum Straight Length	3.000	76.200

Minimum Dimensions for Radial and Axial Expansion

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
2.000 in	50.8 mm	2.250 in	57.15 mm	3.000 in	76.2 mm

 Radial Expansion Out (D is constant)		 Radial Expansion In (OD is constant)		 Axial Expansion (CL is constant)	
0.870 in	22.098 mm	1.000 in	25.4mm	0.750 in	19.05 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>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)

Air Connectors

AC10 Threaded Air Connection (Supporting Cone on Base Valves)

**TYPE10.AC10.PRV16377.902**

*M4X0.7 Threaded Air Connector,
50mm Long*

[PDF](#)

**TYPE10.AC10.PRV16377.918**

*M4X0.7 Threaded Air Connector,
0.75" (19.10 mm) Long*

[PDF](#)

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

**TYPE10.AC11.PRV16473.901**

*O-Ring Style Connector, 20mm
Long*

[PDF](#)

AC12 Barbed Connector (Supporting Cone on Base Valves)

**TYPE10.AC12.PRV17708.901**

*Threaded/Hose Barb Connector,
M4X0.7 Thread, 40mm Long*

[PDF](#)

**TYPE10.AC12.PRV17708.904**

*Threaded/Hose Barb Connector,
M4X0.7 Thread, 27.10 mm Long*

[PDF](#)

AC13 Straight Pipe Connector (Supporting Cone on Base Valves)**TYPE10.AC13.PRV16373.901**

*Straight Pipe Connector, 50mm
Long X 4mm OD*

[PDF](#)

**TYPE10.AC13.PRV16373.904**

*Straight Pipe Connector, 0.75"
(19.10 mm) Long X 4mm OD*

[PDF](#)

Retainers**PR36407**

*Retainer Groove Dimensions
for PRS973*

[PDF](#)

Tooling

None