

**SPECIFICATIONS: 40mm x 50mm #S124001**

<b>Input Pressure</b>	<b>.41 MPa</b> (60psi)
<b>Ideal Load N (lbs)</b>	356 (80)
<b>Stiffness N/micron (lbs/u in)<sup>1</sup></b>	35 (0.20)
<b>Flow NLPM (SCFH)<sup>1</sup></b>	1.3 (2.7)
<b>Fly Height<sup>1</sup></b>	5 microns
<b>Bearing Size</b>	40mm x 50mm
<b>Bearing Height mm (in)</b>	13 (0.51)
<b>Bearing Weight grams (oz.)</b>	56 (2.0)
<b>Housing Material/Finish</b>	Aluminum/Anodized
<b>Porous Media Material</b>	Carbon
<b>Bearing Face Surface Size - Carbon mm (in)</b>	38.10 x 48.11 (1.50 x 1.89)
<b>Flatness mm (in)</b>	0.0005 (0.00002)
<b>Ball Socket Size</b>	13mm
<b>Pressure Port Thread</b>	M5 x 0.8
<b>Viable Pressure Range</b>	.414-.552MPa (60psi - 80psi)
<b>Maximum Allowable Pressure Supply</b>	.689 MPa (100psi)
<b>Resolution<sup>3</sup></b>	Infinite
<b>Maximum Speed<sup>4</sup></b>	50m/sec
<b>Common Guide Surfaces</b>	Granite, hard-coated aluminum, ceramics, glass, stainless steel, plated steel
<b>Suggested Guide Surface Finish<sup>5</sup></b>	16 RMS