

SPECIFICATIONS: 100mm #S1010001

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	1776 (400)
Stiffness N/micron (lbs/u in)¹	175 (1.0)
Flow NLPM (SCFH)¹	2.6 (5.6)
Fly Height¹	5 microns
Bearing Size	100mm
Bearing Height mm (in)	25 (0.98)
Bearing Weight grams (oz.)	440 (15.5)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	99 (3.90) ϕ
Flatness mm (in)	0.0005 (0.00002)
Ball Socket Size	20mm
Pressure Port Thread	M5 X 0.8
Viable Pressure Range	.414-.552MPa (60psi - 80psi)
Maximum Allowable Pressure Supply	.689 MPa (100psi)
Resolution³	Infinite
Maximum Speed⁴	50m/sec
Common Guide Surfaces	Granite, hard-coated aluminum, ceramics, glass, stainless steel, plated steel
Suggested Guide Surface Finish⁵	16 RMS