

SPECIFICATIONS: 50mm #S105001

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	333 (75)
Stiffness N/micron (lbs/u in)¹	58 (0.33)
Flow NLPM (SCFH)¹	1.1 (2.3)
Fly Height¹	5 microns
Bearing Size	50mm
Bearing Height mm (in)	13 (0.52)
Bearing Weight grams (oz.)	62 (2.1)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	48 (1.89) ϕ
Flatness mm (in)	0.0005 (0.00002)
Ball Socket Size	13mm
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