

SPECIFICATIONS: 25mm x 50mm #S122501

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	187 (42)
Stiffness N/micron (lbs/u in)¹	22 (0.13)
Flow NLPM (SCFH)¹	0.9 (2.0)
Fly Height¹	5 microns
Bearing Size	25mm x 50mm
Bearing Height mm (in)	17 (0.67)
Bearing Weight grams (oz.)	48 (1.7)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	23.06 x 48.08 (0.91 x 1.90)
Flatness mm (in)	0.0005 (0.00002)
Ball Socket Size	13mm
Pressure Port Thread	M3 x 0.5
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