

SPECIFICATIONS: 20mm x 40mm #S122001

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	111 (25)
Stiffness N/micron (lbs/u in)¹	14 (0.08)
Flow NLPM (SCFH)¹	0.7 (1.5)
Fly Height	5 microns
Bearing Size	20mm x 40mm
Bearing Height mm (in)	13 (0.51)
Bearing Weight grams (oz.)	26 (0.9)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	18.08 x 38.07 (0.71 x 1.50)
Flatness mm (in)	0.0005 (0.00002)
Ball Socket Size	6mm
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