

SPECIFICATIONS: 80mm #S108001

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	1110 (250)
Stiffness N/micron (lbs/u in) ¹	114 (0.65)
Flow NLPM (SCFH) ¹	2.3 (4.9)
Fly Height ¹	5 microns
Bearing Size	80mm
Bearing Height mm (in)	20 (0.79)
Bearing Weight grams (oz.)	235 (8.2)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	76 (2.99) 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)
Resolution ³	Infinite
Maximum Speed ⁴	50m/sec
Common Guide Surfaces	Granite, hard-coated aluminum, ceramics, glass, stainless steel, plated steel
Suggested Guide Surface Finish ⁵	16 RMS