

SPECIFICATIONS: 125mm #S1012501

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	2775 (625)
Stiffness N/micron (lbs/u in) ¹	254 (1.5)
Flow NLPM (SCFH) ¹	2.6 (5.6)
Fly Height¹	5 microns
Bearing Size	125mm
Bearing Height mm (in)	35 (1.38)
Bearing Weight grams (oz.)	1033 (36.4)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	132 (5.20) 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