

SPECIFICATIONS: 125mm x 250mm #S1212501

Input Pressure	.41 MPa (60psi)
Ideal Load N (lbs)	7784 (1750)
Stiffness N/micron (lbs/u in)¹	1009 (5.72)
Flow NLPM (SCFH)¹	3.0 (6.5)
Fly Height¹	5 microns
Bearing Size	125mm x 250mm
Bearing Height mm (in)	85 (3.35)
Bearing Weight grams (oz.)	4597 (162.2)
Housing Material/Finish	Aluminum/Anodized
Porous Media Material	Carbon
Bearing Face Surface Size - Carbon mm (in)	246.89 x 121.87 (9.72 x 4.80)
Flatness mm (in)	0.0005 (0.00002)
Ball Socket Size	25mm
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