

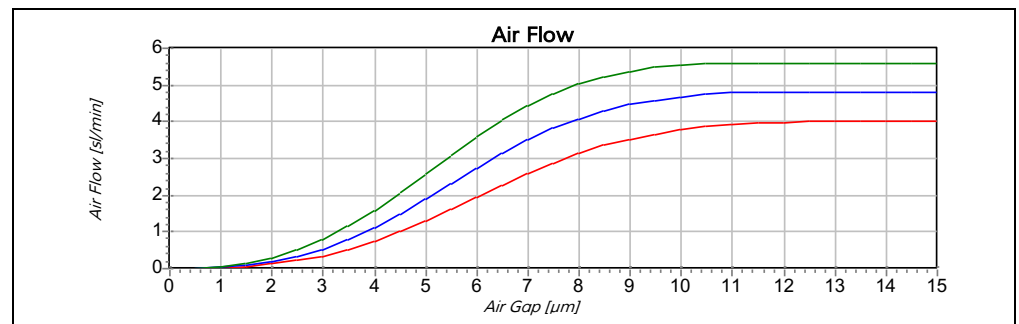
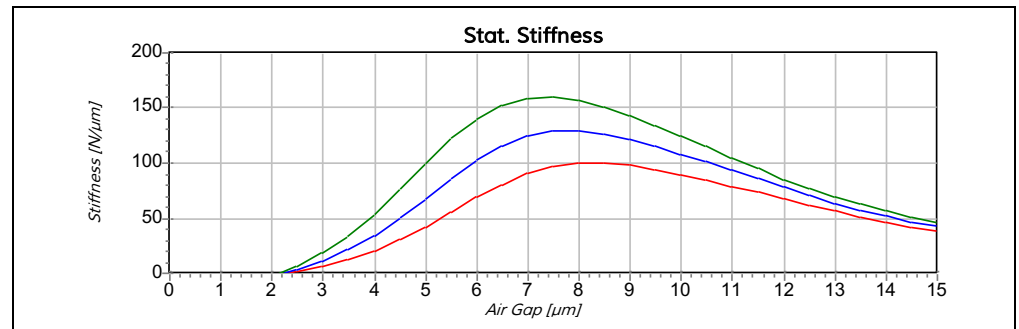
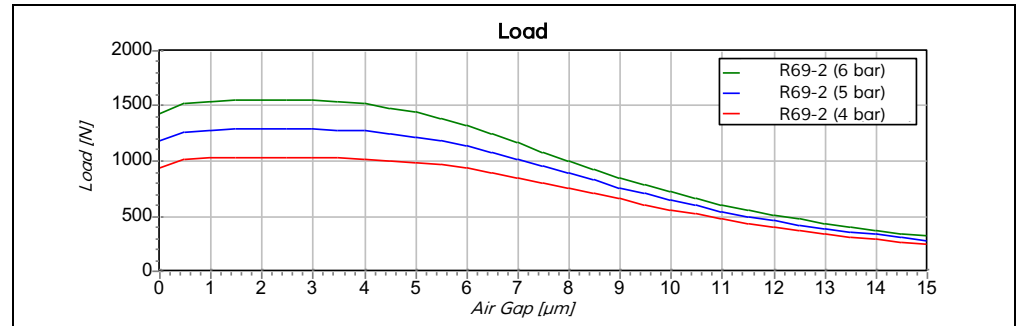
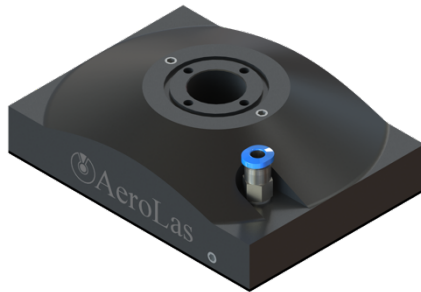
## R69 Flat, Rectangular Air Bearing – high dynamic

### Technical Details:

Length Bearing Surface	69 mm
Width Bearing Surface	50 mm
Weight (without joint)	146 g
Required Surface Finish (counterface)	Ra 0.2
Required Flatness (counterface)	2 $\mu\text{m}$   70 mm x 50 mm
Air pressure	max. 9 bar

Air Bearing properties at:	4 bar	5 bar	6 bar
Ideal Load [N]	500	650	750
Maximum Load [N]	850	1.100	1.400
Static Stiffness [N/ $\mu\text{m}$ ] <sup>1</sup>	80	110	130
Air Gap [ $\mu\text{m}$ ] <sup>1</sup>	10.5	10.0	9.5
Max. Air Flow	4.0	4.8	5.6

<sup>1</sup> For ideal load



### Connection Specific Details:

Connection	Stiff Joint - Fix
Weight (total)	186 g
Material (connection)	Stainless Steel

### Configurational Details:

Material / Finish Air Bearing	Aluminum / Anodized
Material Face Surface	Epoxy Glide Coating
Order No.:	R69-2 / 120

