

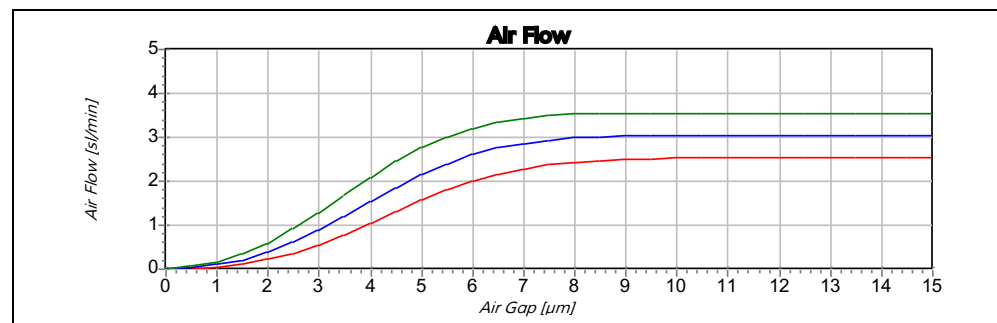
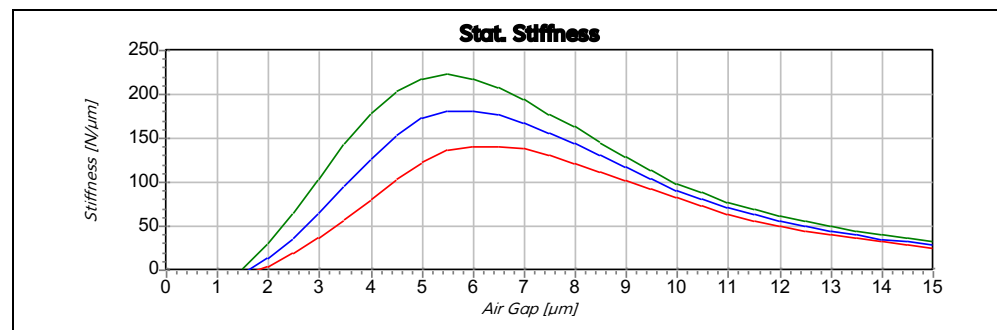
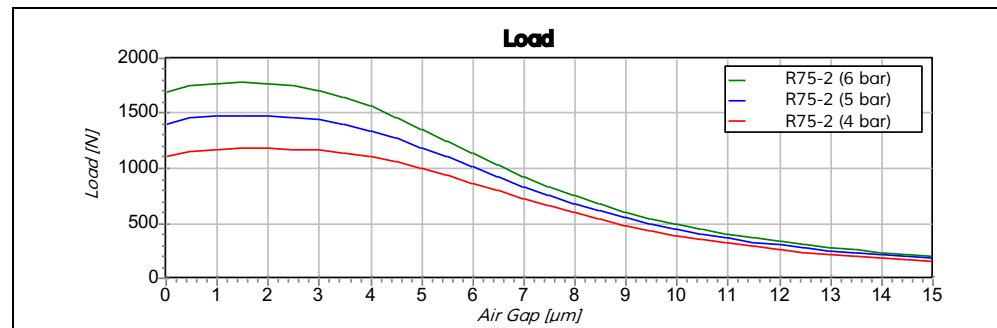
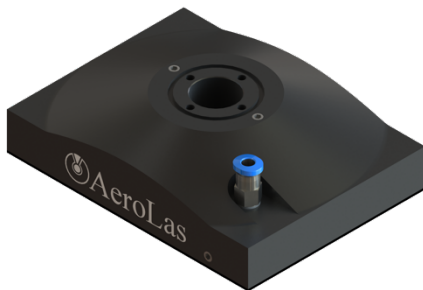
## R75 Flat, Rectangular Air Bearing - high dynamic

### Technical Details:

Length Bearing Surface	75 mm
Width Bearing Surface	55 mm
Weight (without joint)	160 g
Required Surface Finish (counterface)	Ra 0.2
Required Flatness (counterface)	2 $\mu\text{m}$   75 mm x 55 mm
Air pressure	max. 9 bar

Air Bearing properties at:	4 bar	5 bar	6 bar
Ideal Load [N]	500	600	750
Maximum Load [N]	900	1.200	1.500
Static Stiffness [N/ $\mu\text{m}$ ] <sup>1</sup>	100	130	170
Air Gap [ $\mu\text{m}$ ] <sup>1</sup>	9.0	8.5	8.0
Max. Air Flow	2.4	3.0	3.6

<sup>1</sup> For ideal load



#### Connection Specific Details:

Connection	Stiff Joint - Fix
Weight (total)	200 g
Material (connection)	Stainless Steel

#### Configurational Details:

Material / Finish Air Bearing	Aluminum / Anodized
Material Face Surface	Epoxy Glide Coating
<u>Order No.:</u>	R75-2 / 120

