

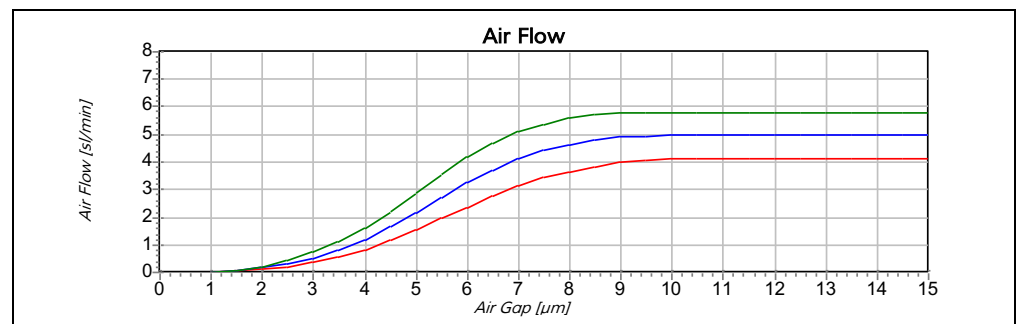
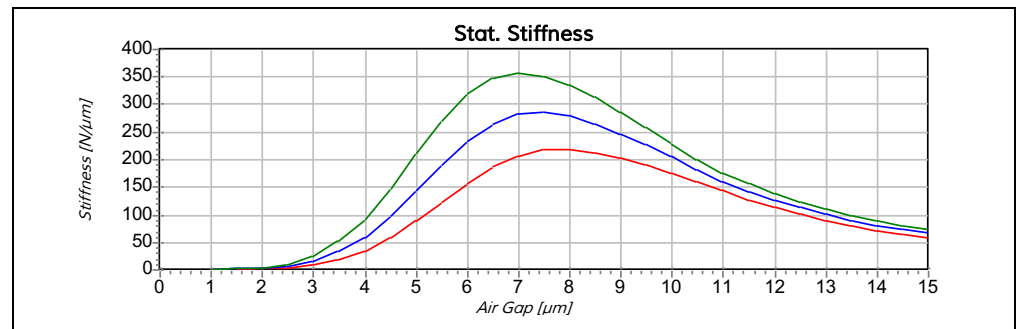
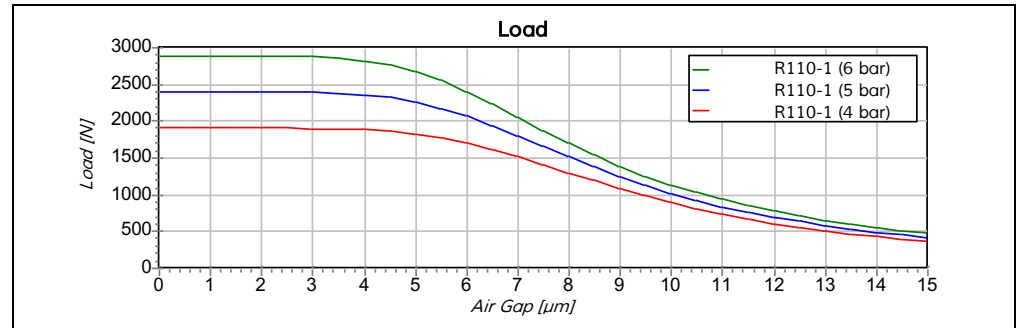
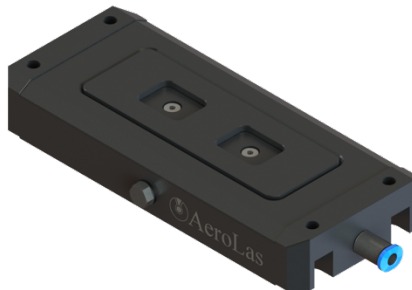
## R110 Flat, Rectangular Air Bearing – high dynamic

### Technical Details:

Length Bearing Surface	110 mm
Width Bearing Surface	55 mm
Weight (without joint)	307 g
Required Surface Finish (counterface)	Ra 0.2
Required Flatness (counterface)	2 $\mu\text{m}$   110 mm x 55 mm
Air pressure	max. 9 bar

Air Bearing properties at:	4 bar	5 bar	6 bar
Ideal Load [N]	990	1,260	1,560
Maximum Load [N]	1,450	1,820	2,200
Static Stiffness [N/ $\mu\text{m}$ ] <sup>1</sup>	190	250	315
Air Gap [ $\mu\text{m}$ ] <sup>1</sup>	9.5	9.0	8.5
Max. Air Flow	4.1	5.0	5.8

<sup>1</sup> For ideal load



### Connection Specific Details:

Connection	Fix
Weight (total)	307 g
Material (connection)	–

### Configurational Details:

Material / Finish Air Bearing	Aluminum / Hard Anodized
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Order No.:	R110-1
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