

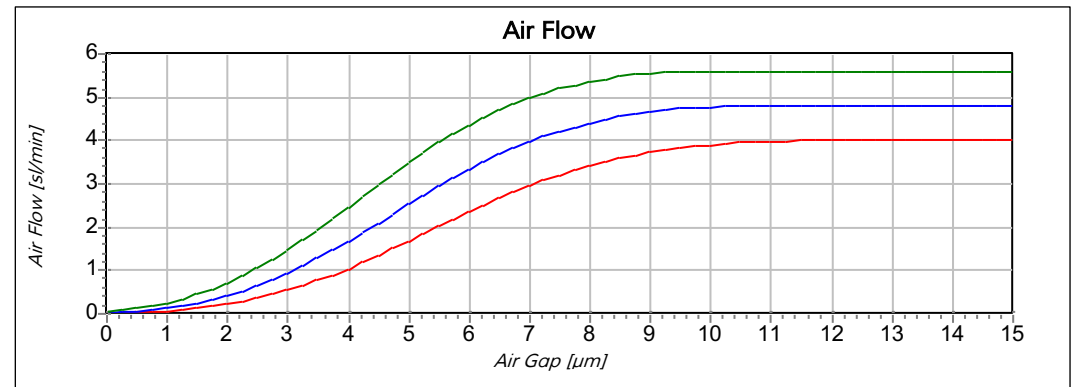
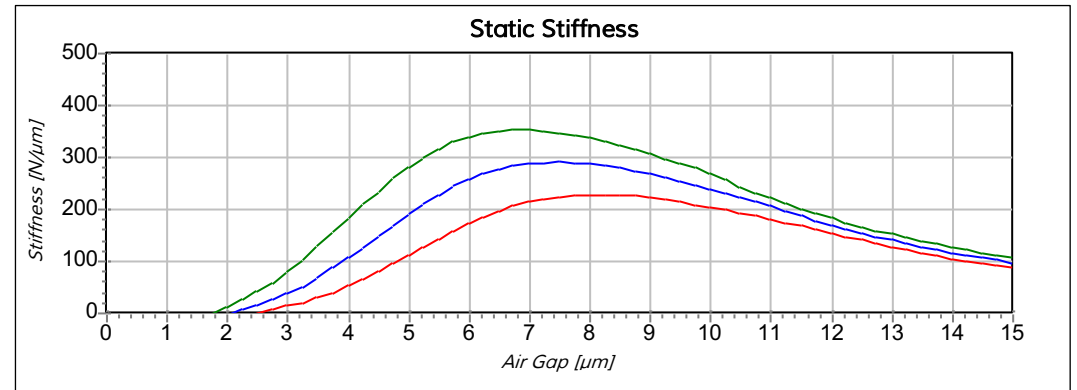
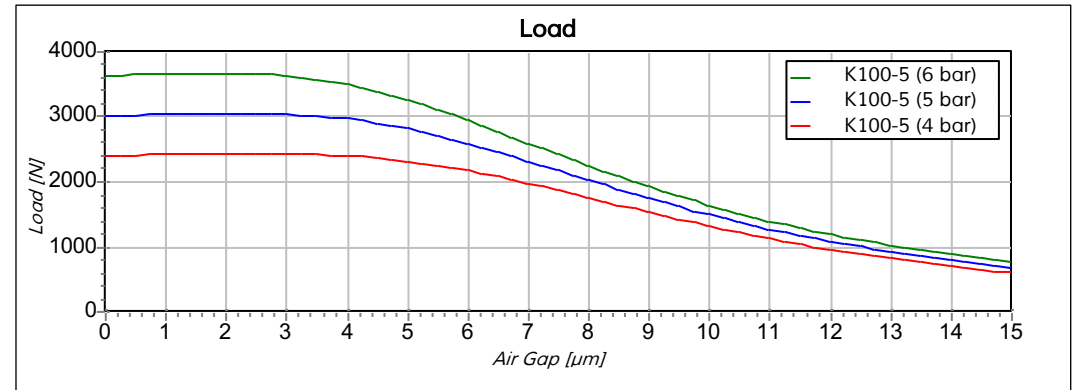
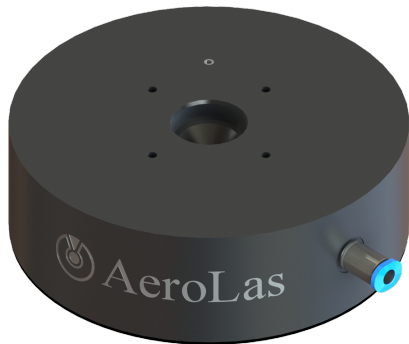
## K100 Flat Round Air Bearing – high dynamic

### Technical Details:

Diameter	100 mm
Weight (bearing body)	674 g
Required Surface Finish (counterface)	Ra 0.2
Required Flatness (counterface)	2 $\mu\text{m}$   100 mm x 100 mm
Air Pressure	max. 9 bar

Air Bearing properties at:	4 bar	5 bar	6 bar
Ideal Load [N]	1,300	1,750	2,200
Maximum Load [N]	1,900	2,400	2,900
Static Stiffness [N/ $\mu\text{m}$ ] <sup>1</sup>	200	260	320
Air Gap [ $\mu\text{m}$ ] <sup>1</sup>	10.0	9.0	8.0
Max. Air Flow [sl/min]	4.0	4.8	5.6

<sup>1</sup>For Ideal Load



### Connection Specific Details:

Connection	Ball Joint
Weight (total)	798 g
Material (connection)	Stainless Steel

### Configurational Details:

Material / Finish Air Bearing	Aluminium / Anodized
Material Face Surface	Epoxy Glide Coating
Order No.:	K100-5 / 155

