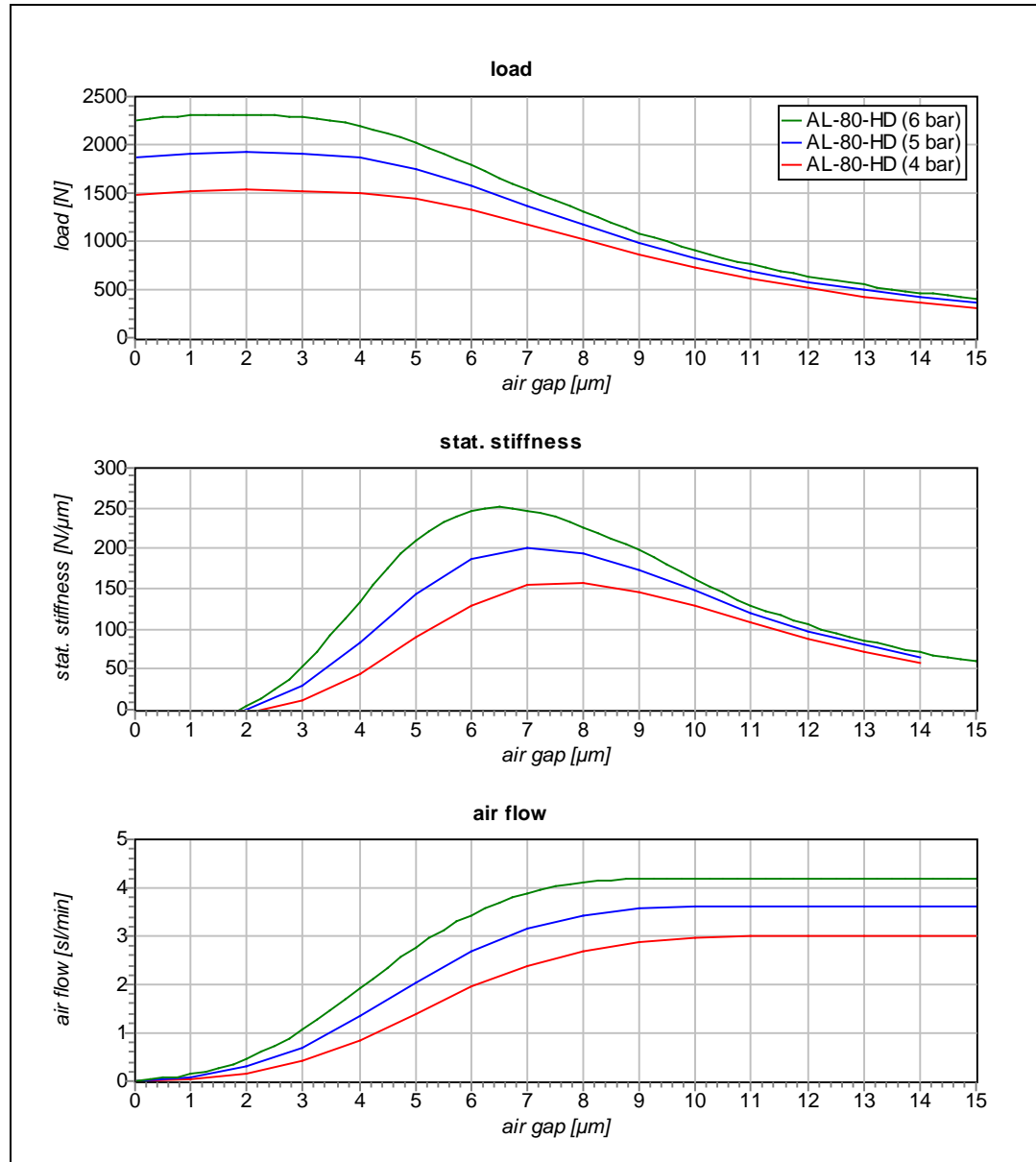
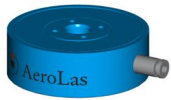


AL-80-HD



air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 1200 N	1500 N	1800 N
recommended preload	→ 700 N	1000 N	1300 N
gap ¹	→ 10 μm	9 μm	8 μm
static stiffness ¹	→ 125 N/μm	175 N/μm	225 N/μm
max. static stiffness	→ 160 N/μm	205 N/μm	250 N/μm
tilt stiffness ^{1,2}	→ 0.8 Nm/μm	1.15 Nm/μm	1.5 Nm/μm
unrestricted airflow	→ 3 sl/min	3.6 sl/min	4.2 sl/min
specification			
weight	→ 282 g		
guiding surface	→ Ra 0.2		
air quality	→ attachment		
air pressure	→ max. 9 bar		
accessories	→ bolt AL-60+B joint AL-60+G piston AL-60+K		
¹ at recommended load ² measured at the edge of the bearing			
application			
high dynamic			





AL-80-HS



air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 1200 N	1500 N	1800 N
recommended preload	→ 800 N	1000 N	1200 N
gap ¹	→ 6 μm	5.5 μm	5 μm
static stiffness ¹	→ 200 N/μm	265 N/μm	330 N/μm
max. static stiffness	→ 240 N/μm	300 N/μm	360 N/μm
tilt stiffness ^{1,2}	→ 0.7 Nm/μm	0.9 Nm/μm	1.1 Nm/μm
unrestricted airflow	→ 0.8 sl/min	0.96 sl/min	1.12 sl/min

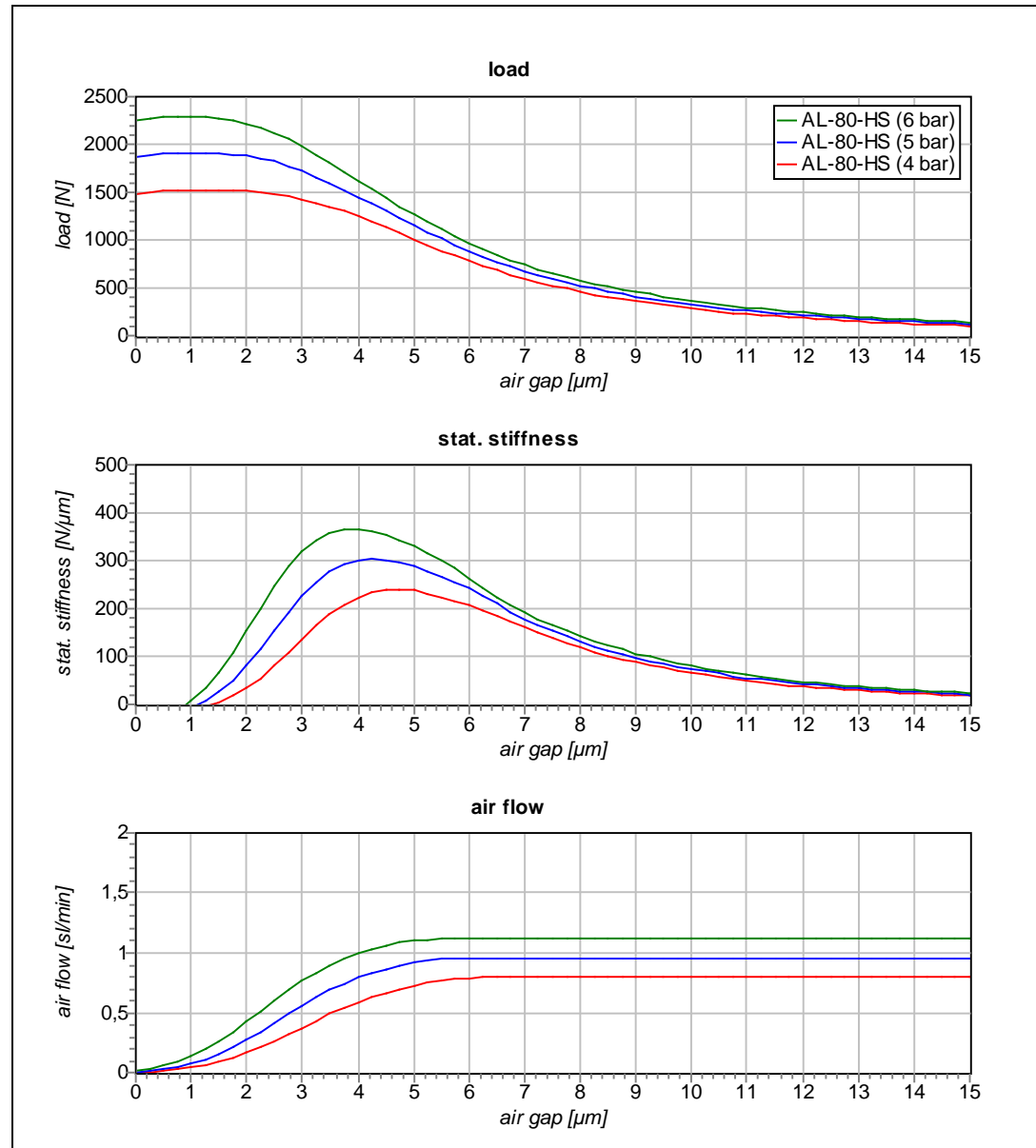
specification

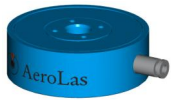
weight	→ 282 g
guiding surface	→ Ra 0.2
air quality	→ attachment
air pressure	→ max. 9 bar
accessories	→ bolt AL-60+B joint AL-60+G piston AL-60+K

¹ at recommended load
² measured at the edge of the bearing

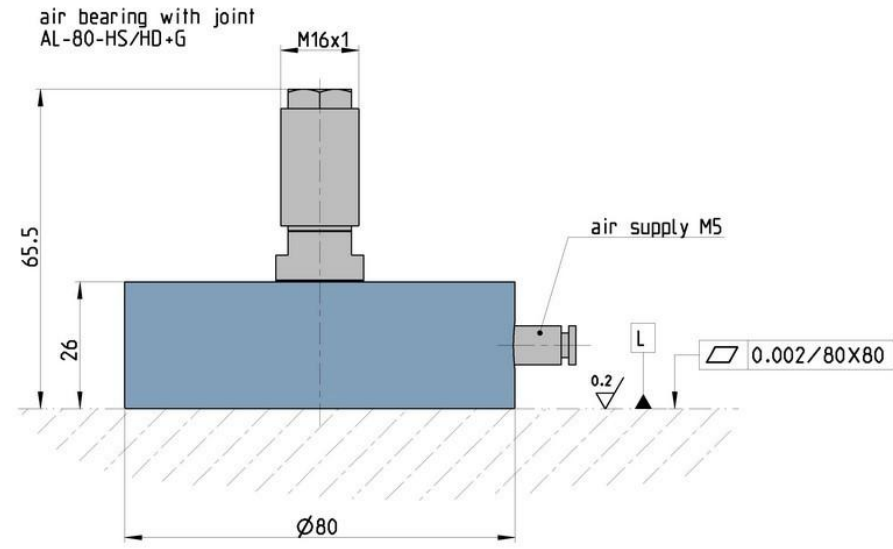
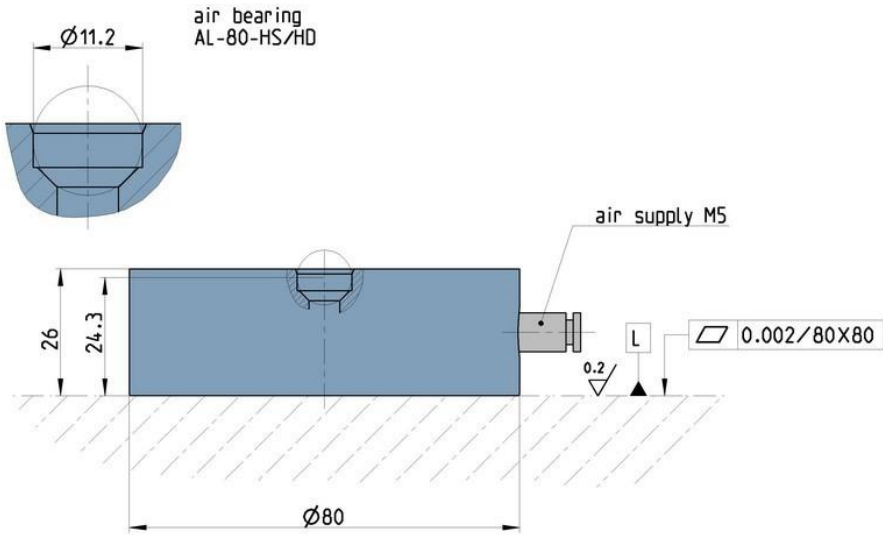
application

high stiffness





AL-80-HS/HD options



L= sliding surface

