

AL-30-HD

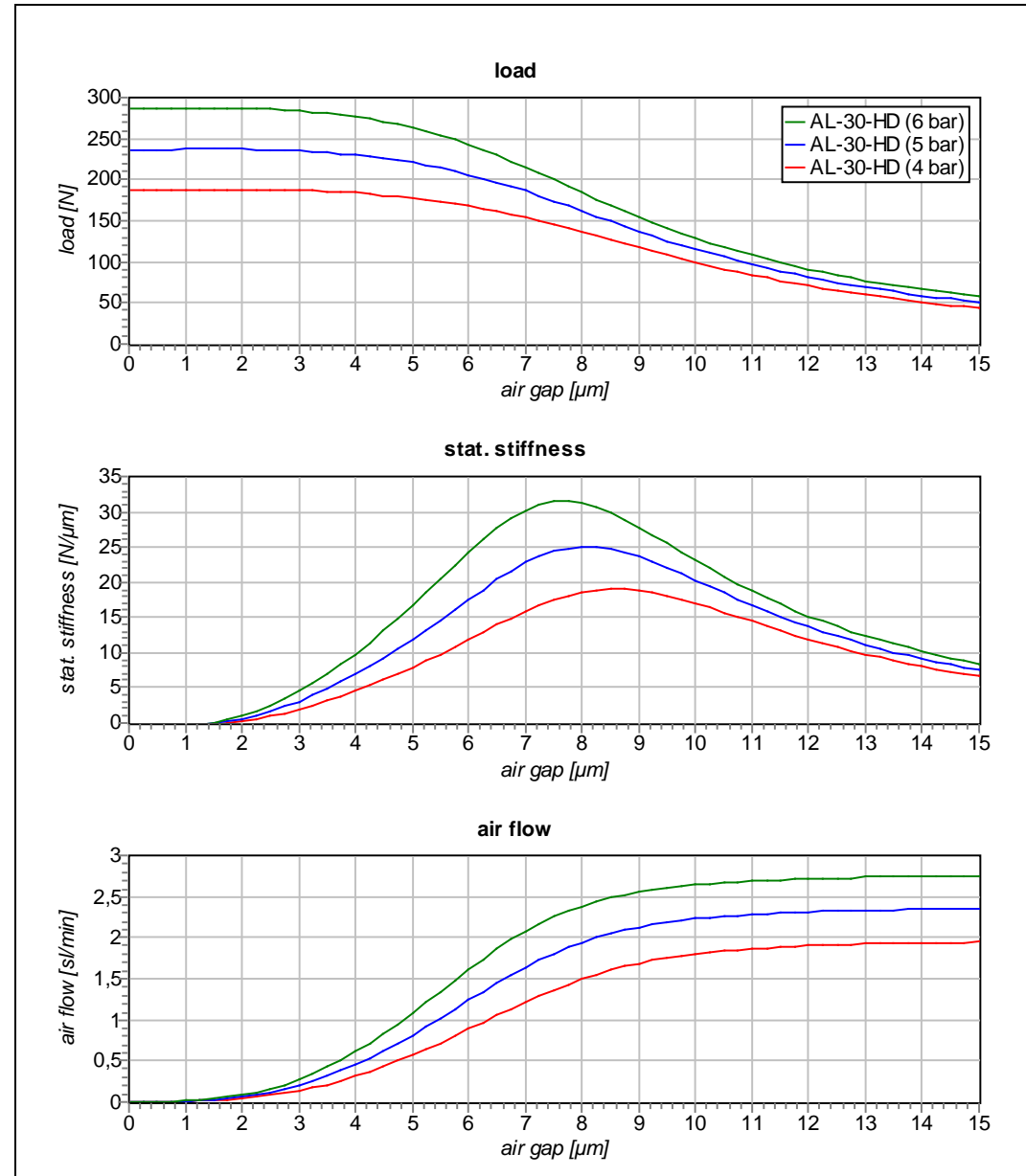


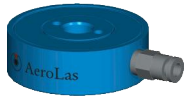
air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 150 N	190 N	230 N
recommended preload	→ 100 N	125 N	150 N
gap ¹	→ 10 μm	9.5 μm	9 μm
static stiffness ¹	→ 17 N/μm	22 N/μm	27 N/μm
max. static stiffness	→ 19 N/μm	25 N/μm	31 N/μm
tilt stiffness ^{1,2}	→ 0.04 Nm/μm	0.055 Nm/μm	0.07 Nm/μm
unrestricted airflow	→ 2 sl/min	2.35 sl/min	2.75 sl/min

specification	
weight	→ 15 g
guiding surface	→ Ra 0.2
air quality	→ attachment
air pressure	→ max. 9 bar
accessories	→ bolt AL-30+B joint AL-30+G piston AL-30+K

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

application
high dynamic





AL-30-HS

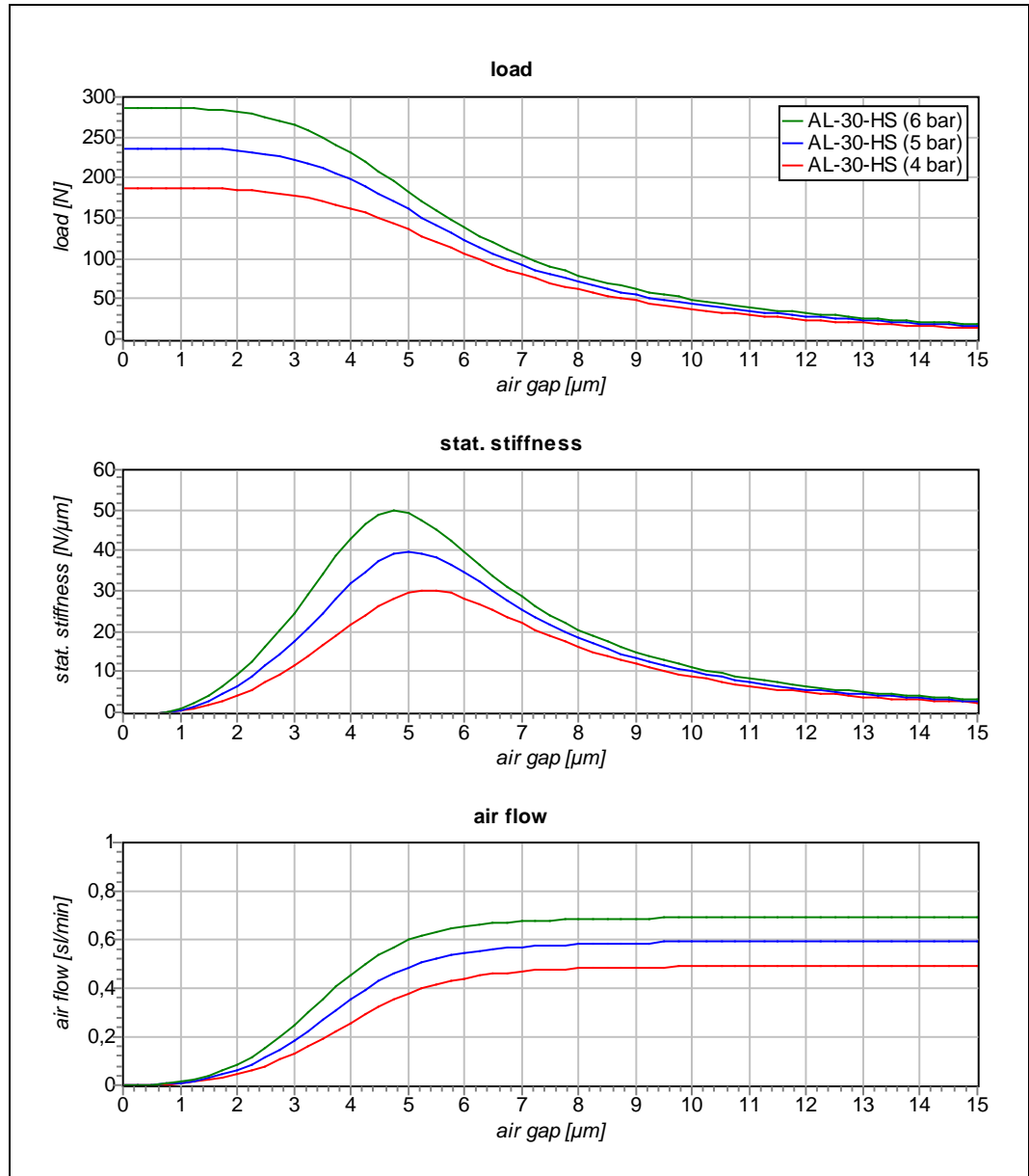


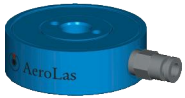
air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 150 N	190 N	230 N
recommended preload	→ 90 N	120 N	160 N
gap ¹	→ 6.5 μm	6 μm	5.5 μm
static stiffness ¹	→ 25 N/μm	35 N/μm	45 N/μm
max. static stiffness	→ 30 N/μm	40 N/μm	50 N/μm
tilt stiffness ^{1,2}	→ 0.06 Nm/μm	0.08 Nm/μm	0.11 Nm/μm
unrestricted airflow	→ 0.5 sl/min	0.6 sl/min	0.7 sl/min

specification	
weight	→ 15 g
guiding surface	→ Ra 0.2
air quality	→ attachment
air pressure	→ max. 9 bar
accessories	→ bolt AL-30+B joint AL-30+G piston AL-30+K

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

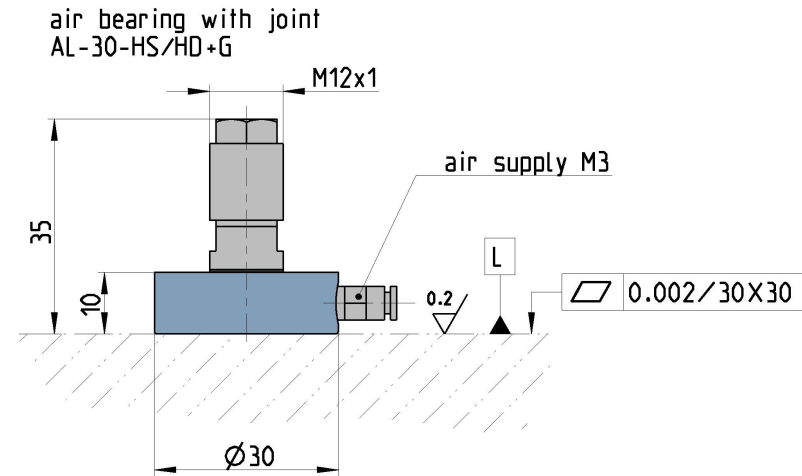
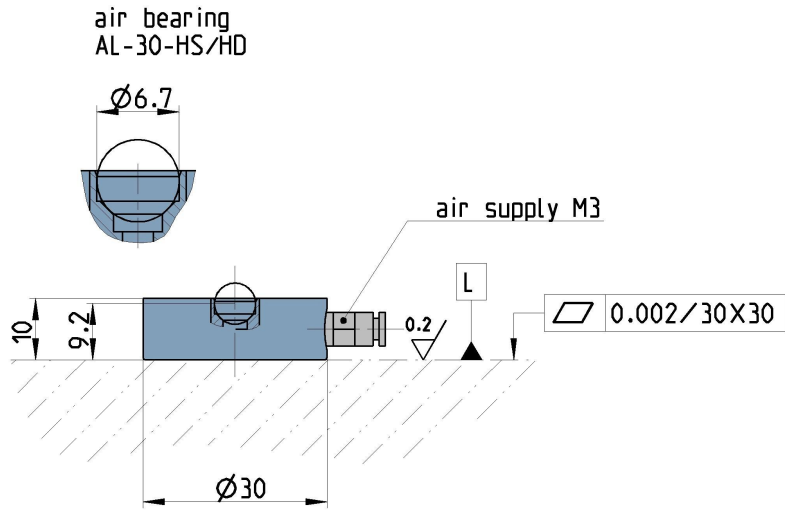
application
high stiffness





AL-30-HS/HD

options



L= sliding surface

