

# AL-90-71-HD

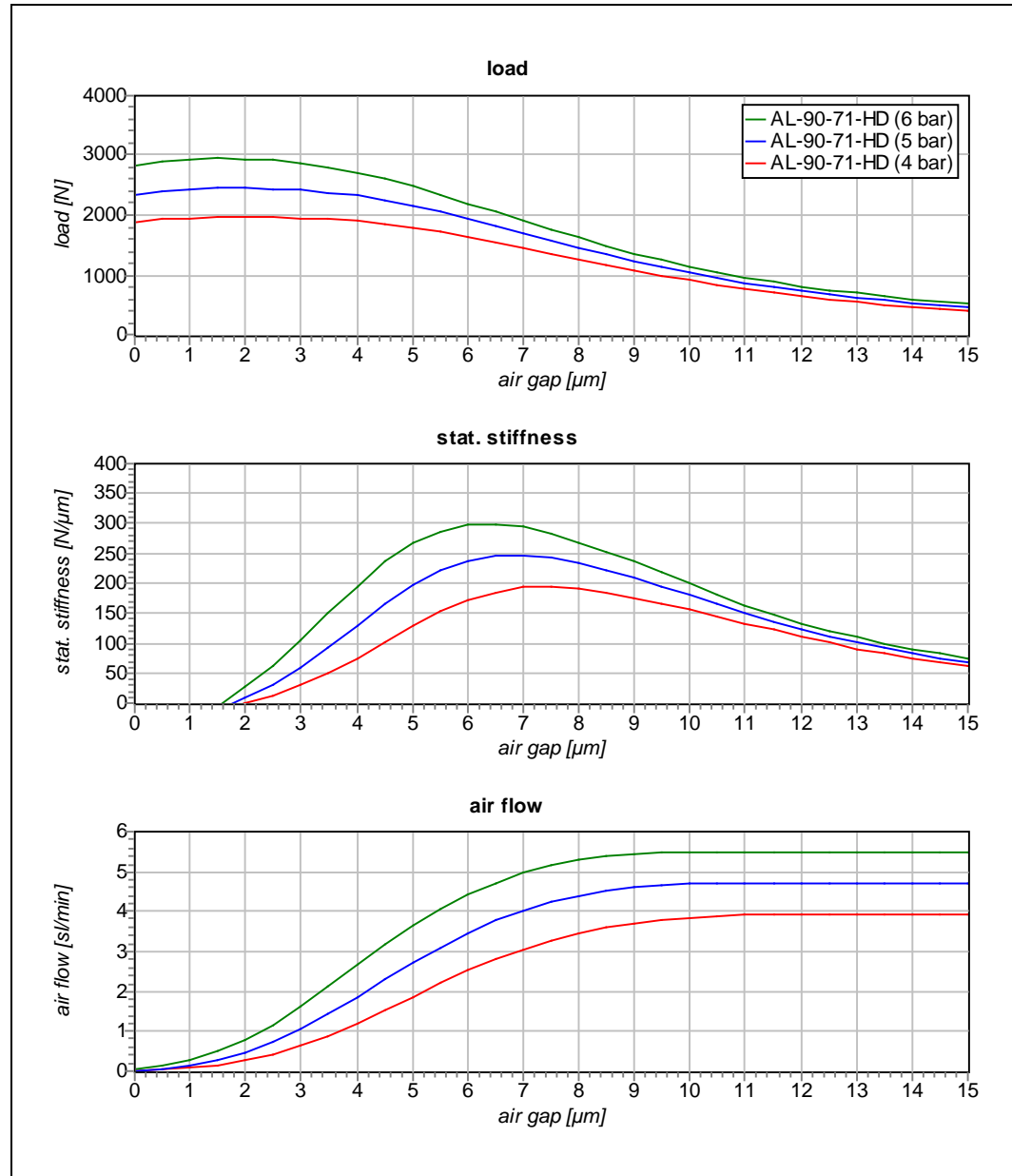


air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 1600 N	2000 N	2400 N
recommended preload	→ 900 N	1100 N	1300 N
gap <sup>1</sup>	→ 10 μm	9.5 μm	9 μm
static stiffness <sup>1</sup>	→ 150 N/μm	180 N/μm	230 N/μm
max. static stiffness	→ 200 N/μm	250 N/μm	300 N/μm
tilt stiffness <sup>1,2</sup>	→ 1.4 N/μm	1.8 N/μm	2.2 N/μm
unrestricted airflow	→ 4 sl/min	4.8 sl/min	5.6 sl/min

specification	
weight	→ 300g
guiding surface	→ Ra 0.2
air quality	→ attachment
air pressure	→ max. 9 bar
accessories	→ joint AL-90-71-HD+G piston AL-90-71-HD+K

<sup>1</sup> at recommended load  
<sup>2</sup> measured at the edge of the bearing

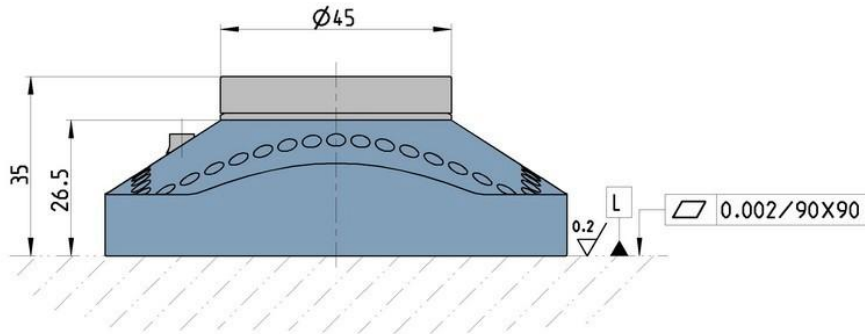
**application**  
high dynamic



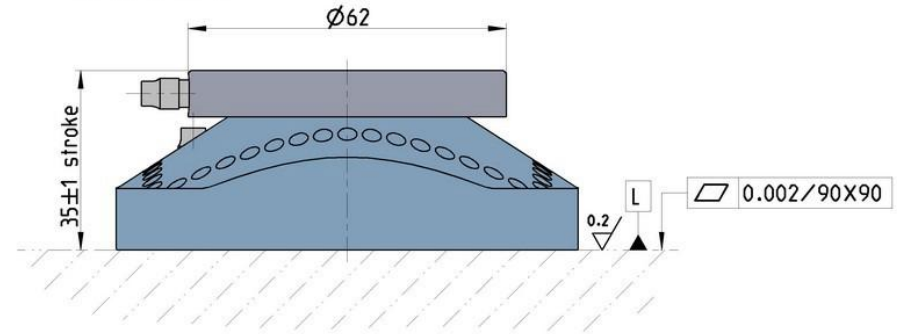


# AL-90-71-HD

air bearing with joint  
AL-90-71-HD+G



air bearing with piston  
AL-90-71-HD+K



L = sliding surface

