



# AL-18-HD

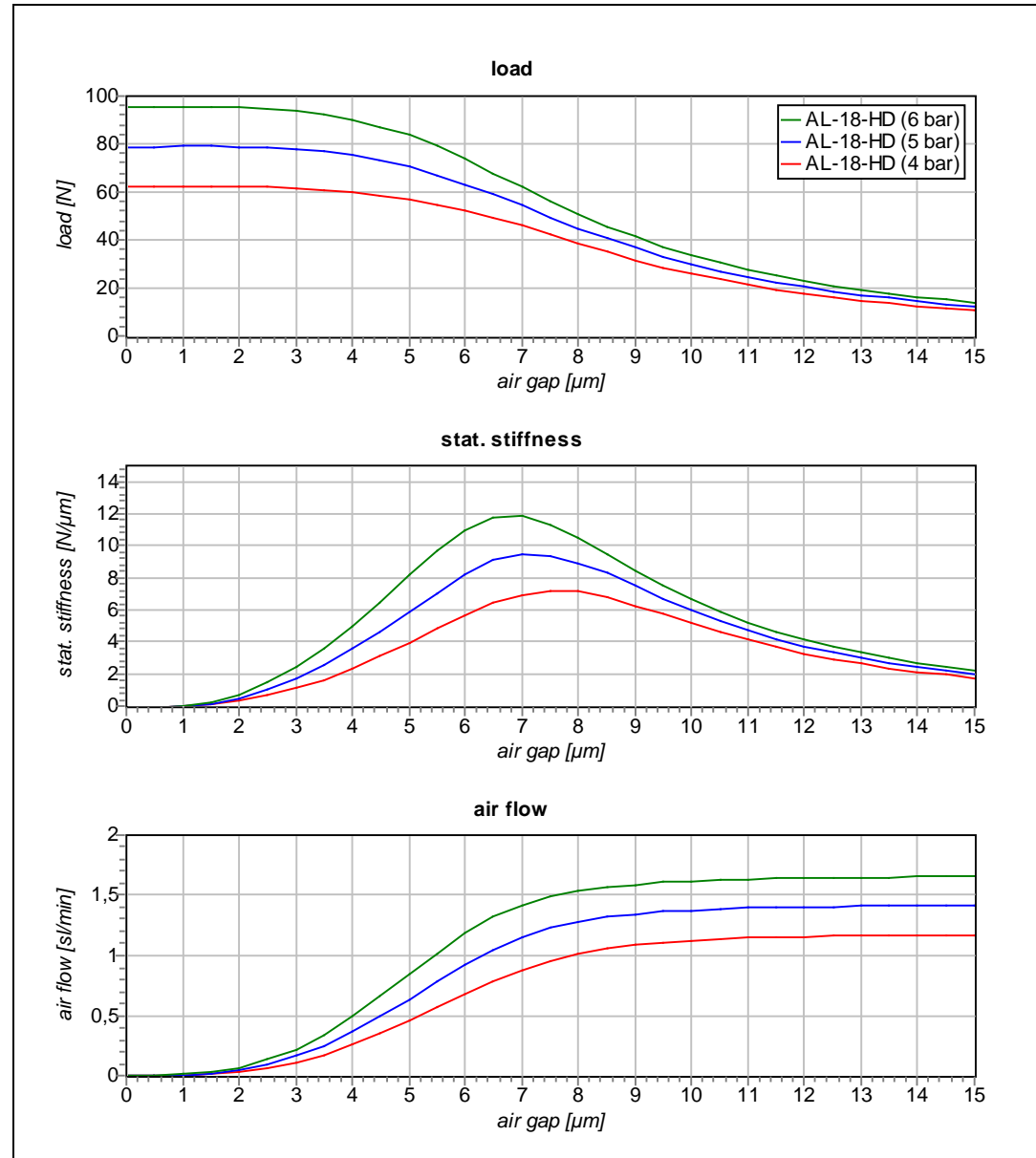


air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 50 N	65 N	80 N
recommended preload	→ 30 N	38 N	46 N
gap <sup>1</sup>	→ 9.5 μm	9 μm	8.5 μm
static stiffness <sup>1</sup>	→ 5 N/μm	7 N/μm	9 N/μm
max. static stiffness	→ 7 N/μm	9 N/μm	12 N/μm
tilt stiffness <sup>1,2</sup>	→ 5 Nmm/μm	8 Nmm/μm	11 Nmm/μm
unrestricted airflow	→ 1.2 sl/min	1.4 sl/min	1.7 sl/min

specification	
weight	→ 3 g
guiding surface	→ Ra 0.2
air quality	→ attachment
air pressure	→ max. 9 bar
accessories	→

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

**application**  
 high dynamic





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