



# AL-12-HD

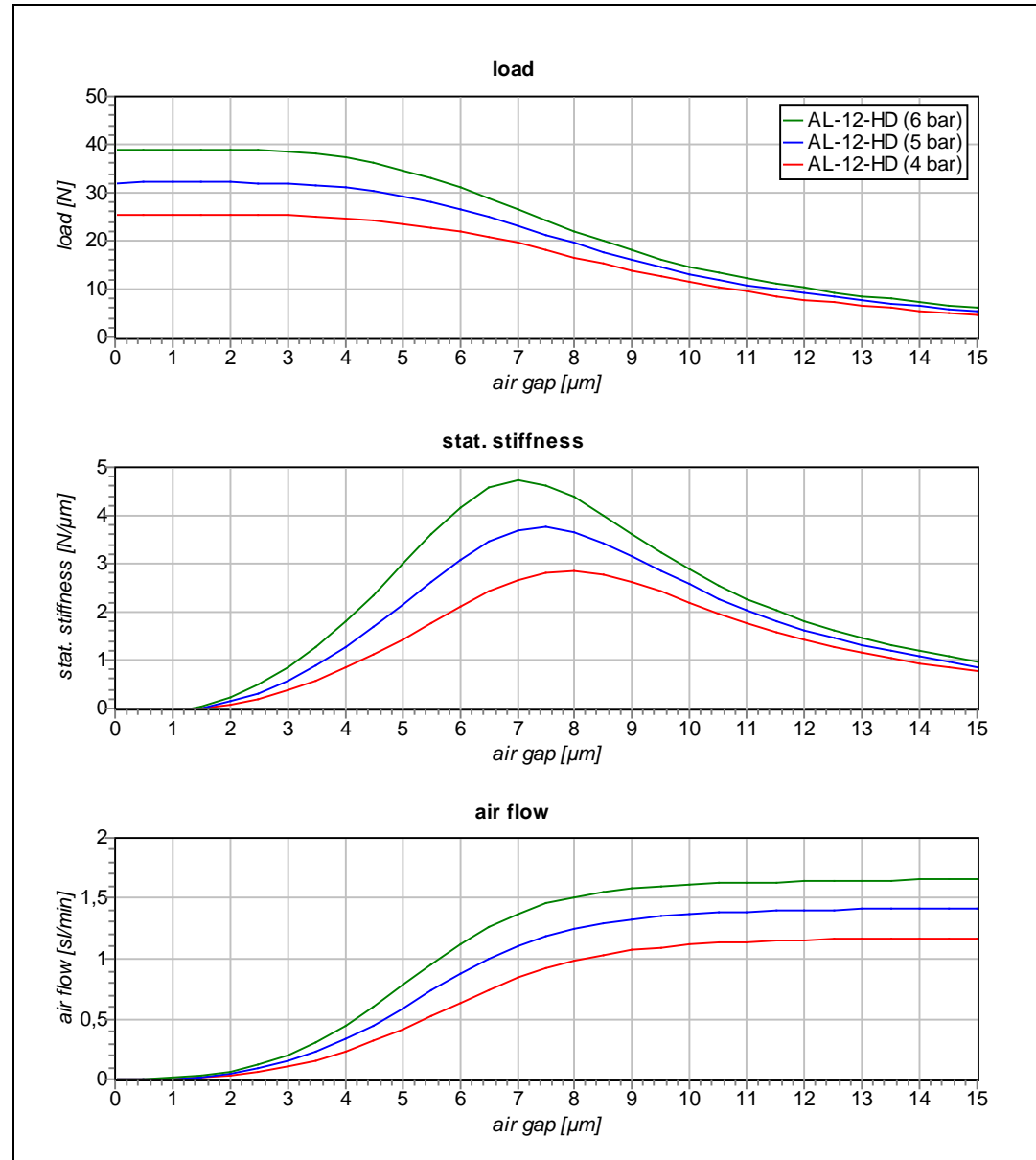


air bearing data at	4 bar	5 bar	6 bar
recommended max. load	→ 20 N	25 N	30 N
recommended preload	→ 14 N	17 N	22 N
gap <sup>1</sup>	→ 9 μm	8.5 μm	8 μm
static stiffness <sup>1</sup>	→ 2.5 N/μm	3.5 N/μm	4.2 N/μm
max. static stiffness	→ 2.9 N/μm	3.8 N/μm	4.6 N/μm
tilt stiffness <sup>1,2</sup>	→ 2 Nmm/μm	3.5 Nmm/μm	5 Nmm/μm
unrestricted airflow	→ 1.2 sl/min	1.4 sl/min	1.7 sl/min

specification	
weight	→ 1 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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