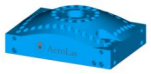


AL-69-50-HD

AeroLas

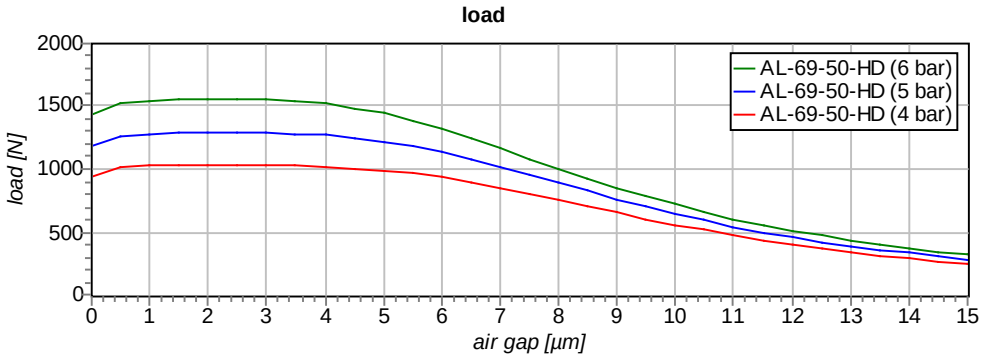
air bearing data at		4 bar	5 bar	6 bar
recommended max. load	➜	850 N	1100 N	1400 N
recommended preload	➜	500 N	650 N	750 N
gap[1]	➜	10.5 µm	10 µm	9.5 µm
static stiffness[1]	➜	80 N/µm	110 N/µm	140 N/µm
max. static stiffness	➜	100 N/µm	125 N/µm	160 N/µm
tilt stiffness[1,2]	➜	0.55 Nm/µm	0.7 Nm/µm	0.85 Nm/µm
unrestricted airflow	➜	4 sl/min	4.8 sl/min	5.6 sl/min

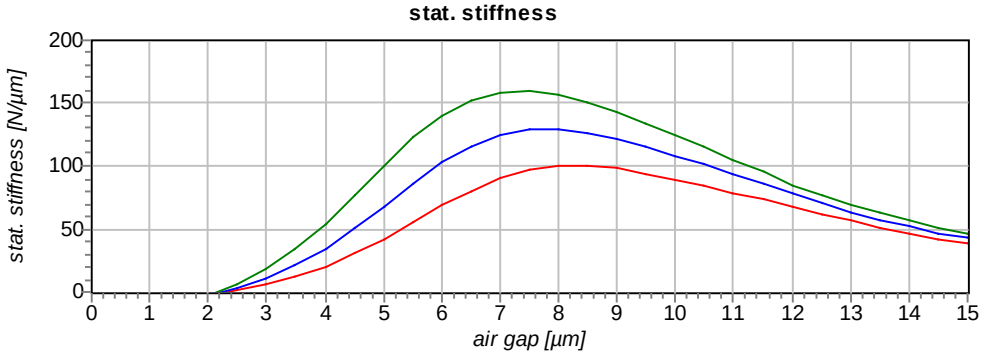
specification		
weight	➜	130 g
guiding surface	➜	Ra 0.2
air quality	➜	attachment
air pressure	➜	max. 9 bar
accessories	➜	joint AL-69-50-HD+G piston AL-69-50-HD+K

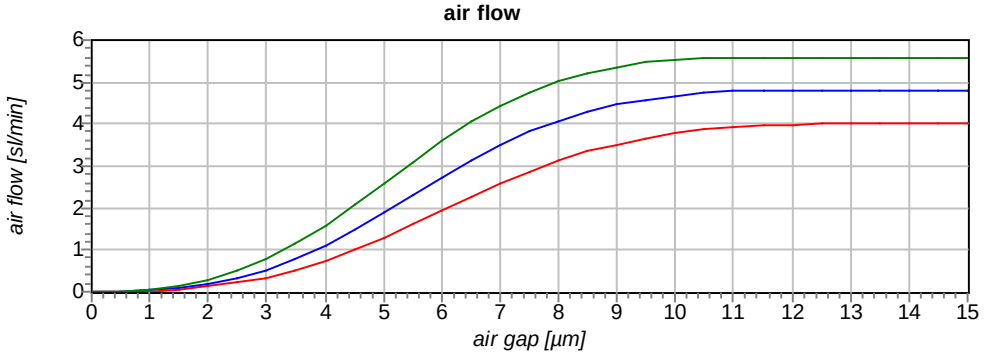
[1] at recommended load
[2] measured at the edge of the bearing

application

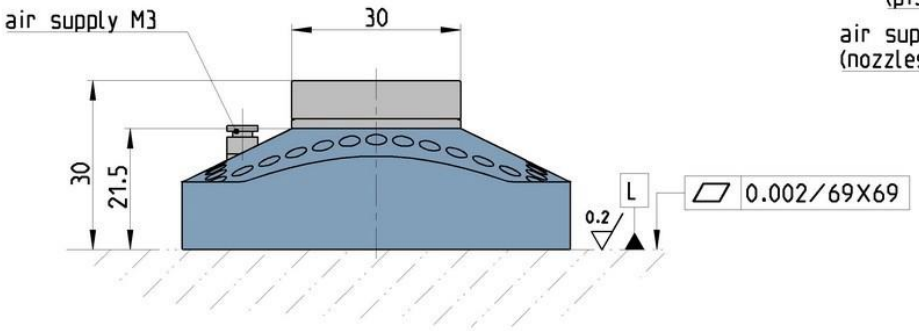
high dynamic



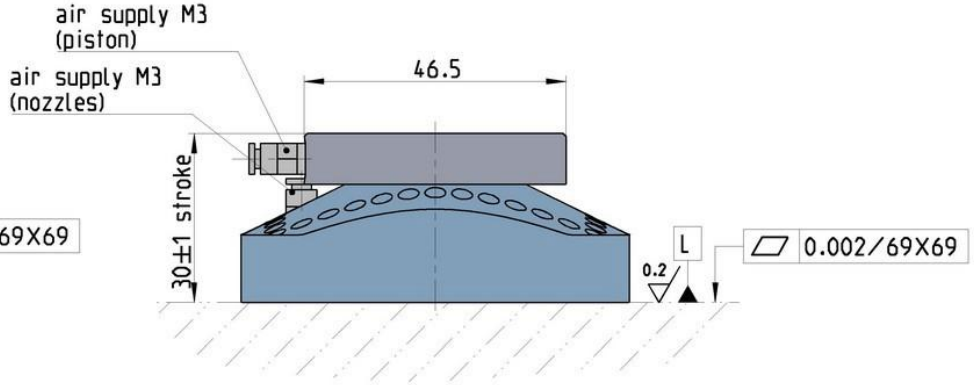




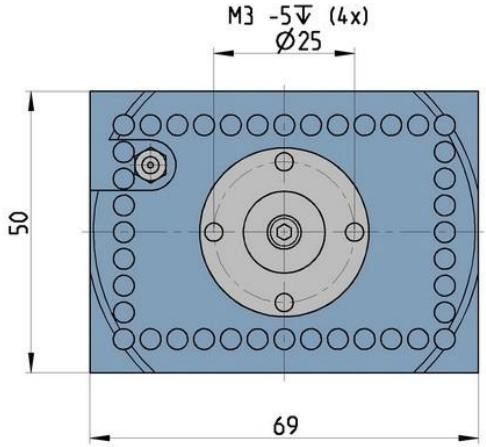
air bearing with joint
AL-69-50-HD+G

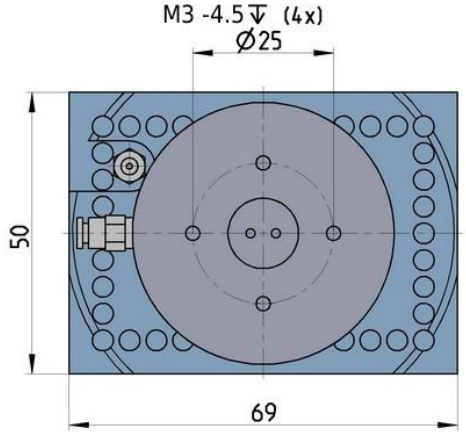


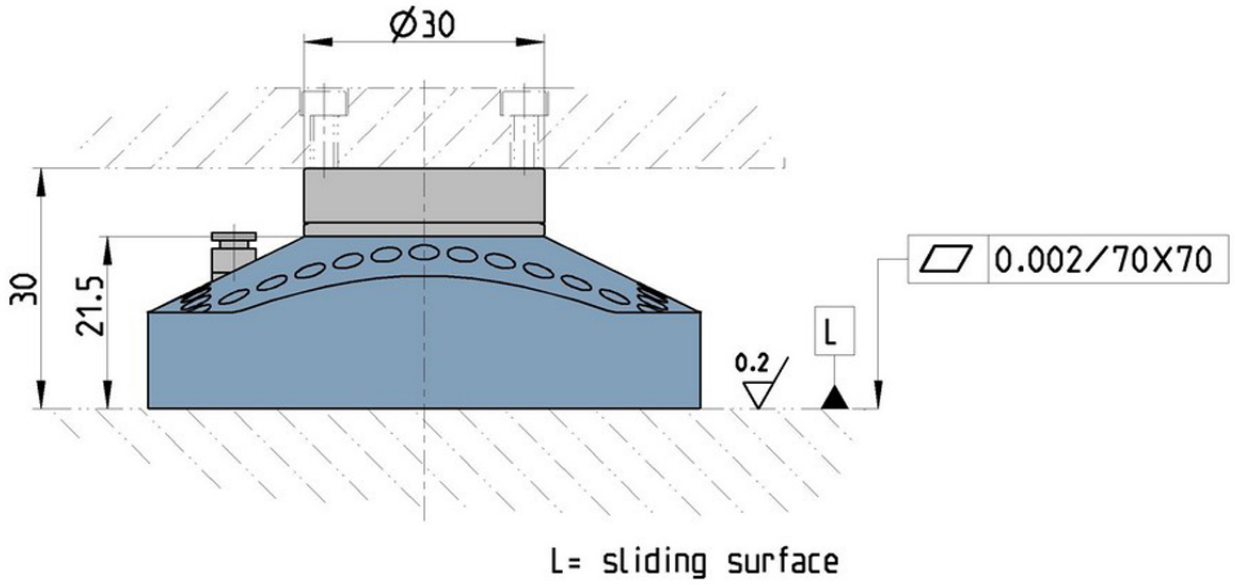
air bearing with piston
AL-69-50-HD+K

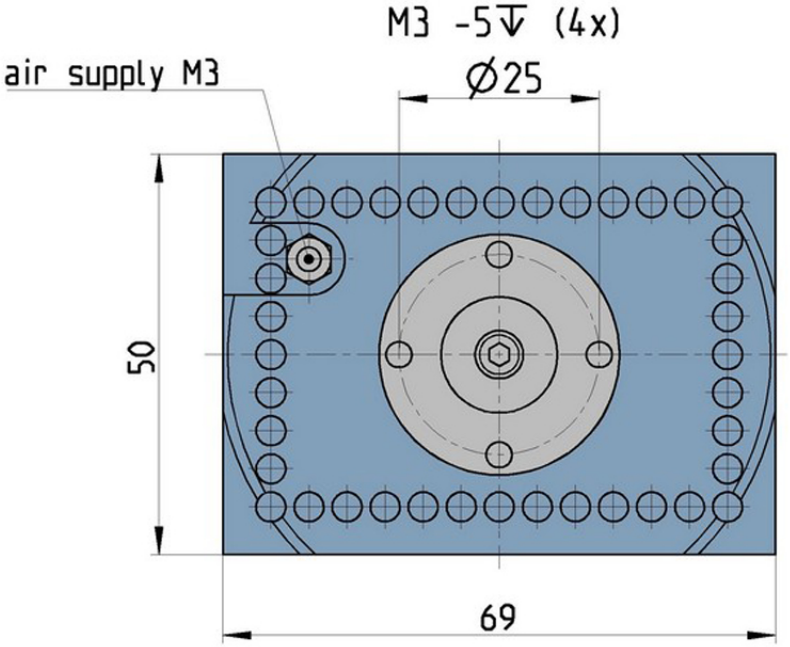


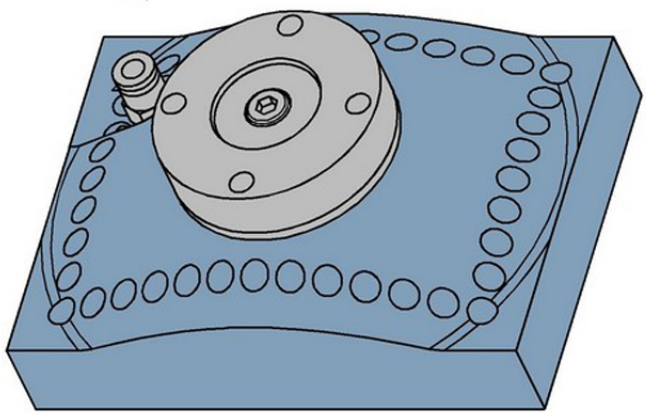
L= sliding surface







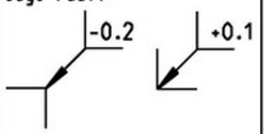


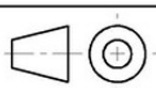


Fertigungsfreigabe released	
Datum Date	07.04.2008
Name Name	S.Kühner
Original	

Oberfläche DIN ISO 1302
surface finish

Werkstückkanten DIN 6784
edge radii





Toleranzen
tolerances

±0.1
±0°20'

⊥ 0.1
// 0.1
▱ 0.1
⌭ 0.1

Maßstab/scale 1:1 (A4)

Werkstoff / material
-

Oberflächenbehandlung / surface treatment
-

Benennung / item name
AL-69-50-HD+G

Zeichnungsnummer / drawing no.
SO-311-226-BG

Blatt sheet 1/2

Bemerkung / notice .

No.	Änderung/revision index	Datum/Date	Name
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Name: J.Brand

AeroLas