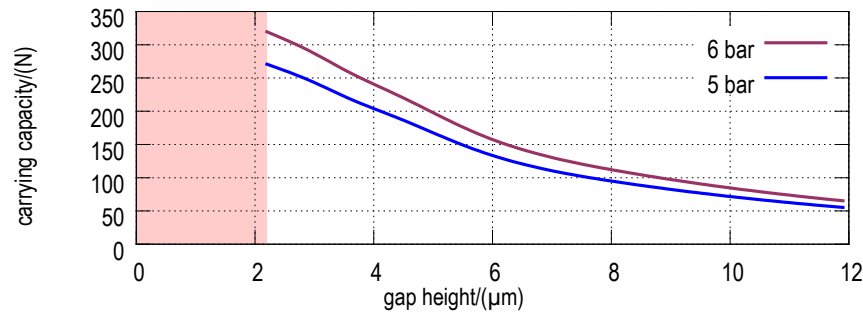
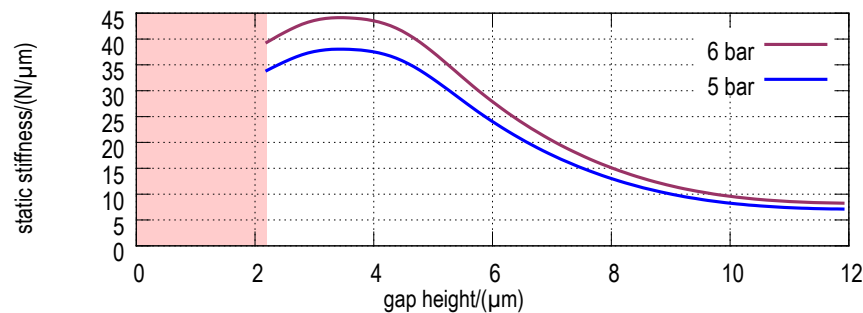


EZ-0075-20x40 Rectangular Air Bearing

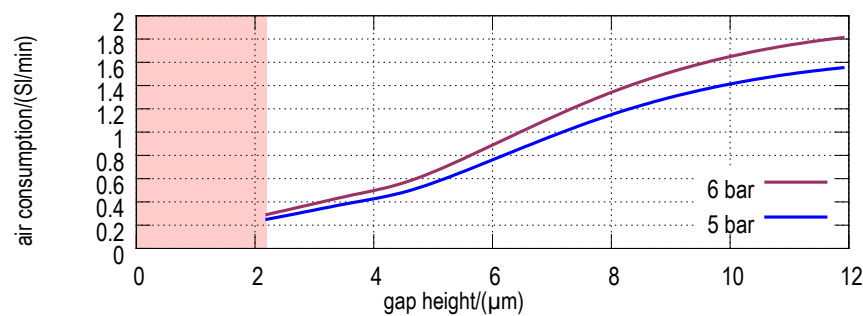
carrying capacity



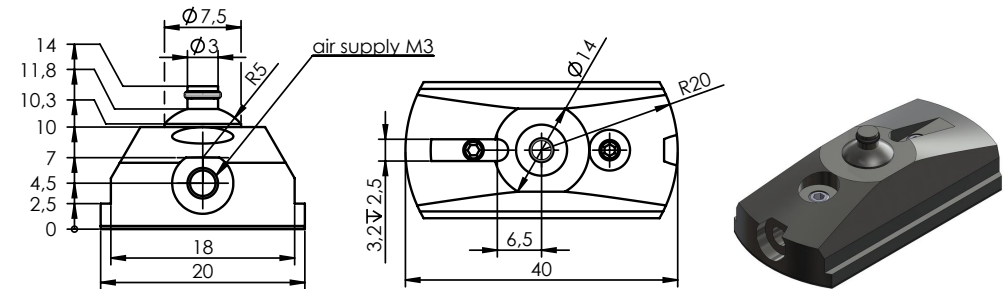
static stiffness



air consumption



■ = Mixed friction range



Thermodynamically optimised air cushion by micro groove system.^{1*}
Bearing surface with dry running coating.

Air supply pressure ^{2*} / (bar _{rel})	5	6
Maximum carrying capacity / (N)	271	319
Nominal carrying capacity / (N)	199,5	235
Gap height ^{3*} / (μm)	4.1	4.1
Static stiffness ^{3*} / (N/μm)	37	43
Air consumption ^{3*} / (l/min)	0.44	0.52
Maximum velocity ^{3*} / (m/s)	5	6
Bearing weight (aluminium) / (g)	17	
Air supply thread	M3	
Adapted with centre screw	EZ-0249 M10x1-R5	

^{1*} Patents: US 6,164,827, DE 199 18 564 A1

^{2*} Different supply pressure on request

^{3*} at nominal carrying capacity

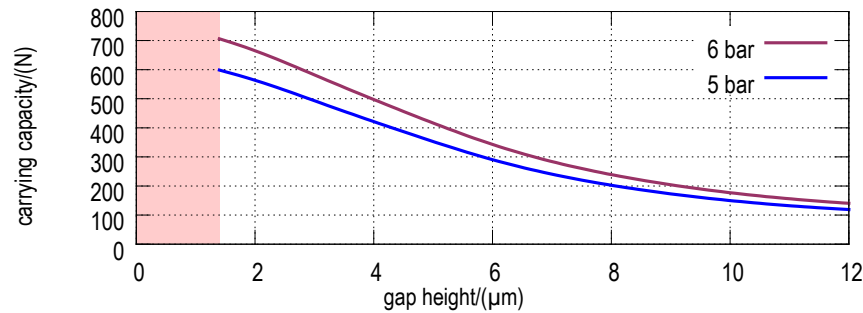
For specifications of guide surface, air quality requirements and gap definition see last pages of the [catalogue](#).

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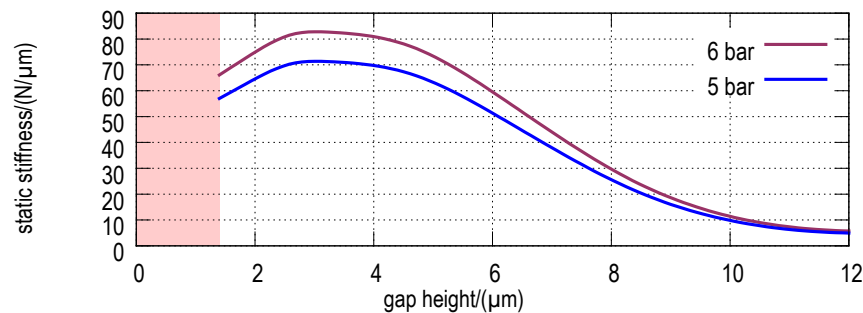
Status 08/2016

EZ-0075-30x60 Rectangular Air Bearing

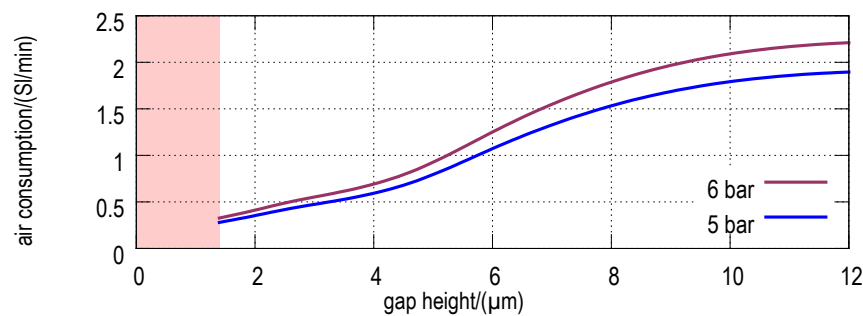
carrying capacity



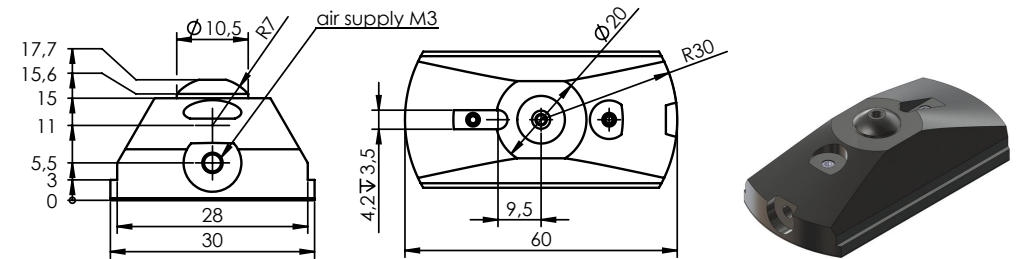
static stiffness



air consumption



■ = Mixed friction range



Thermodynamically optimised air cushion by micro groove system.^{1*}
Bearing surface with dry running coating.

Air supply pressure ^{2*} / (bar _{rel})	5	6
Maximum carrying capacity / (N)	599	706
Nominal carrying capacity / (N)	441	520
Gap height ^{3*} / (µm)	3.7	3.7
Static stiffness ^{3*} / (N/µm)	70	81
Air consumption ^{3*} / (l/min)	0.57	0.67
Maximum velocity ^{3*} / (m/s)	5	6
Bearing weight (aluminium) / (g)	50	
Air supply thread	M3	
Adapted with centre screw	EZ-0249 M12x1-R7	

^{1*} Patents: US 6,164,827, DE 199 18 564 A1

^{2*} Different supply pressure on request

^{3*} at nominal carrying capacity

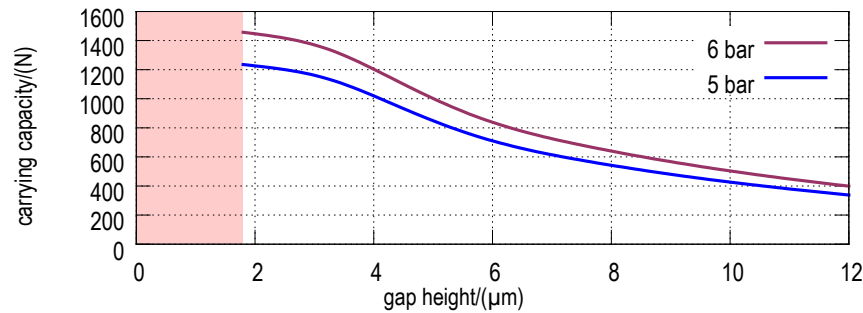
For specifications of guide surface, air quality requirements and gap definition see last pages of the [catalogue](#).

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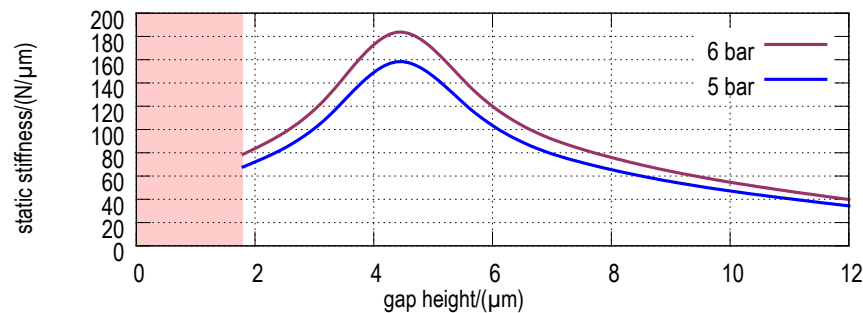
Status 08/2016

EZ-0075-40x80 Rectangular Air Bearing

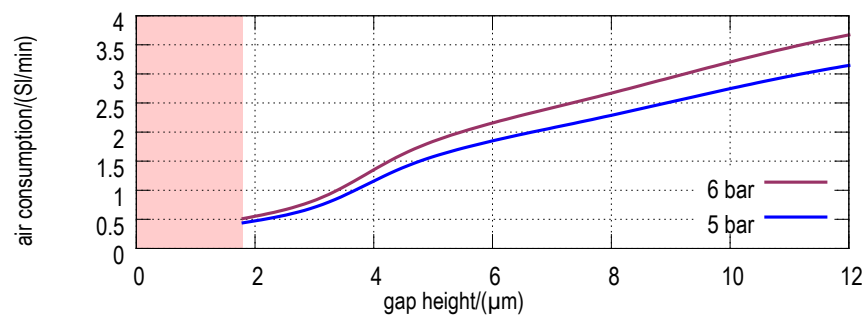
carrying capacity



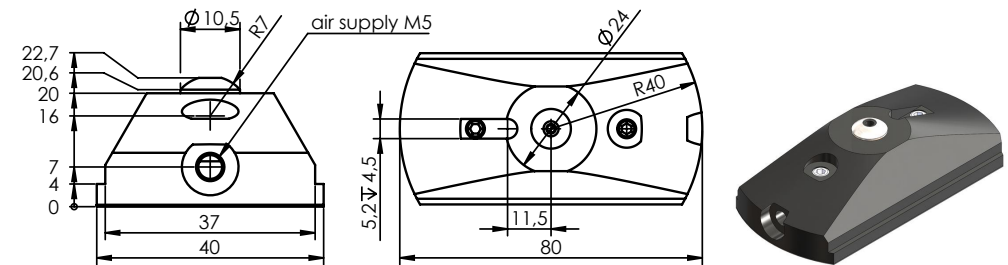
static stiffness



air consumption



■ = Mixed friction range



Thermodynamically optimised air cushion by micro groove system.^{1*}
Bearing surface with dry running coating.

Air supply pressure ^{2*} / (bar _{rel})	5	6
Maximum carrying capacity / (N)	1235	1457
Nominal carrying capacity / (N)	910	1074
Gap height ^{3*} / (µm)	4.7	4.7
Static stiffness ^{3*} / (N/µm)	150	174
Air consumption ^{3*} / (l/min)	1.43	1.67
Maximum velocity ^{3*} / (m/s)	5	6

Bearing weight (aluminium) / (g)	120
Air supply thread	M5
Adapted with centre screw	EZ-0249 M12x1-R7

^{1*} Patents: US 6,164,827, DE 199 18 564 A1

^{2*} Different supply pressure on request

^{3*} at nominal carrying capacity

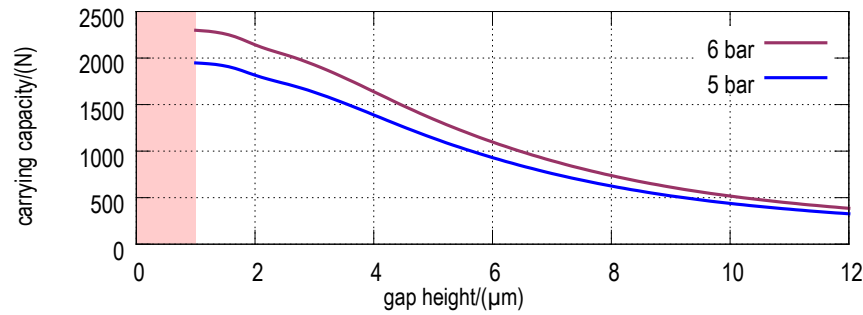
For specifications of guide surface, air quality requirements and gap definition see last pages of the [catalogue](#).

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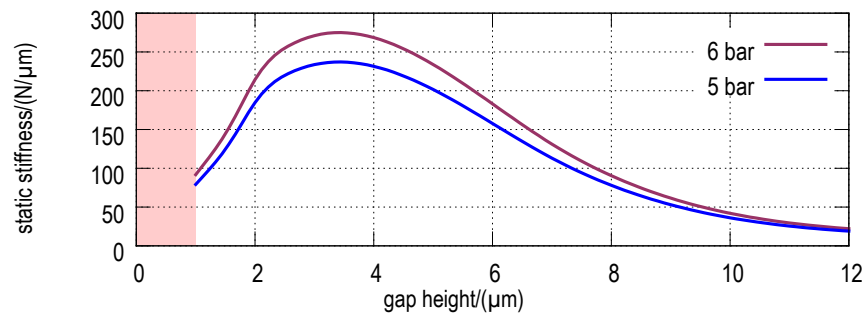
Status 08/2016

EZ-0075-50x100 Rectangular Air Bearing

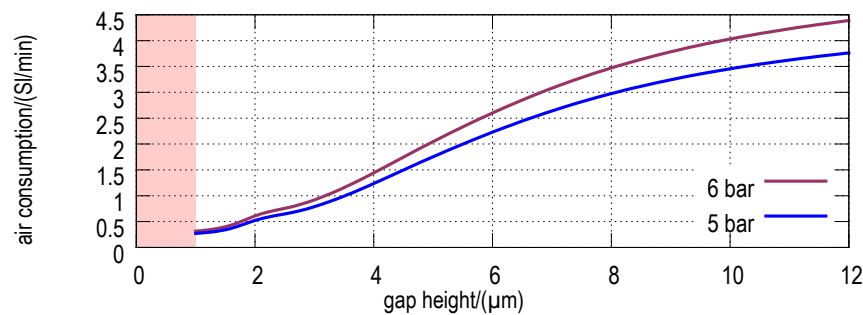
carrying capacity



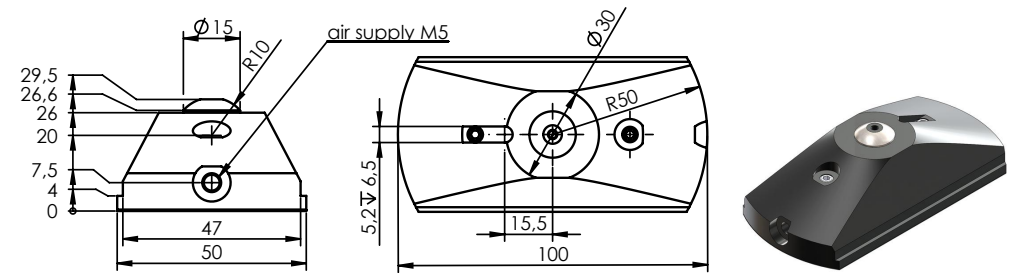
static stiffness



air consumption



■ = Mixed friction range



Thermodynamically optimised air cushion by micro groove system.^{1*}
Bearing surface with dry running coating.

Air supply pressure ^{2*} / (bar _{rel})	5	6
Maximum carrying capacity / (N)	1948	2298
Nominal carrying capacity / (N)	1435	1693
Gap height ^{3*} / (µm)	3.8	3.8
Static stiffness ^{3*} / (N/µm)	219	254
Air consumption ^{3*} / (l/min)	1.18	1.38
Maximum velocity ^{3*} / (m/s)	5	6
Bearing weight (aluminium) / (g)	235	
Air supply thread	M5	
Adapted with centre screw	EZ-0249 M16x1-R10	

^{1*} Patents: US 6,164,827, DE 199 18 564 A1

^{2*} Different supply pressure on request

^{3*} at nominal carrying capacity

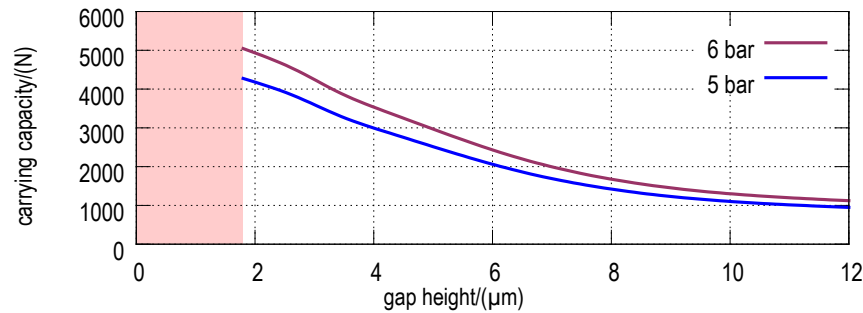
For specifications of guide surface, air quality requirements and gap definition see last pages of the [catalogue](#).

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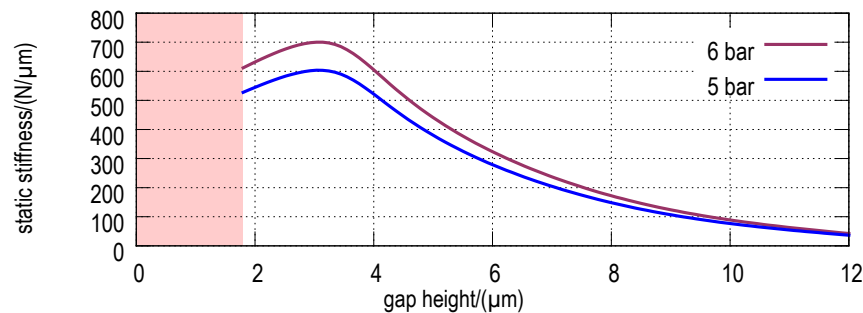
Status 08/2016

EZ-0075-75x150 Rectangular Air Bearing

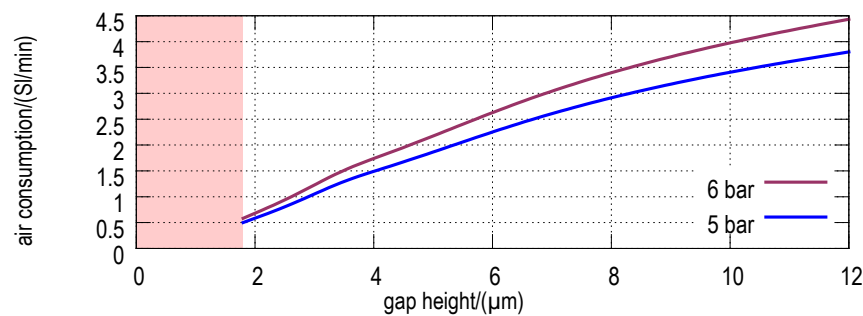
carrying capacity



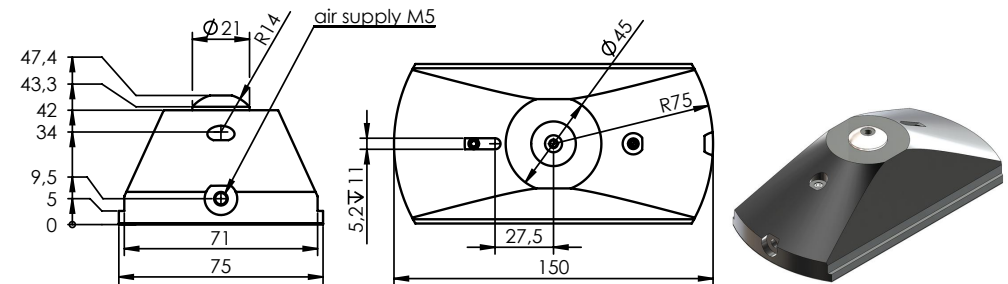
static stiffness



air consumption



■ = Mixed friction range



Thermodynamically optimised air cushion by micro groove system.^{1*}
Bearing surface with dry running coating.

Air supply pressure ^{2*} / (bar _{rel})	5	6
Maximum carrying capacity / (N)	4275	5045
Nominal carrying capacity / (N)	3150	3717
Gap height ^{3*} / (µm)	3.7	3.7
Static stiffness ^{3*} / (N/µm)	550	638
Air consumption ^{3*} / (l/min)	1.38	1.61
Maximum velocity ^{3*} / (m/s)	5	6
Bearing weight (aluminium) / (g)	786	
Air supply thread	M5	
Adapted with centre screw	EZ-0249 M24x1.5-R14	

^{1*} Patents: US 6,164,827, DE 199 18 564 A1

^{2*} Different supply pressure on request

^{3*} at nominal carrying capacity

For specifications of guide surface, air quality requirements and gap definition see last pages of the [catalogue](#).

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Status 08/2016