

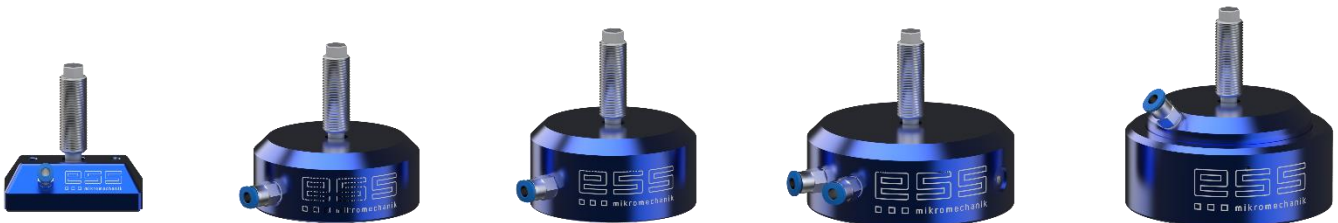
■ Flat air bearing

PDL – pressure preloaded air bearing

- For measuring and machining components

• Load capacity	up to 1.050N
• Housing material	anodised aluminum
• Lifetime	infinite

*threaded bolts are not included. These must be ordered separately.



- Other connecting geometries on request
- Air connection optionally straight or L-formed
- Special dimensions on request

drawing only symbolic
changes and errors excepted

PDL air bearing

PDL (pressure preloaded air bearing)

Operating pressure	max. 5bar
Operating temperature	15 up to 35°C
Storing temperature	2 up to 40°C



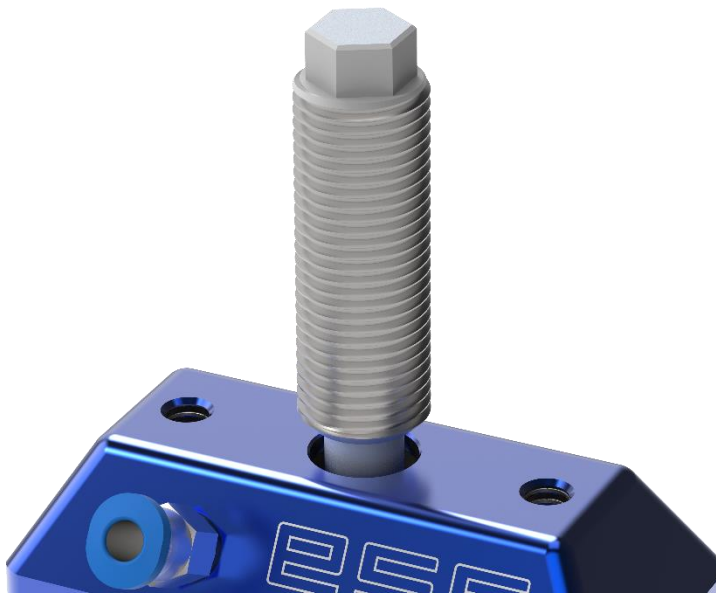
	Order-no.:	ϕA [mm]	B [mm]	Δb [mm]	Load capacity F_z [N]	Air flow [Nl/min]	Connection ϕ mounting bolt ¹
PDL040	F-00007765	40	32	$\pm 1,5$	190	0,4-0,5	8
PDL050	F-00004444	50	32	$\pm 1,5$	280	0,4-0,5	8
PDL075	F-00001643	75	38	$\pm 1,5$	620	0,4-0,5	8
PDL100	F-00001644	100	38	$\pm 1,5$	1050	0,4-0,5	8

¹ you will find the matching mounting bolts on page 3

changes and errors excepted

■ Mounting bolts

M6 – M20



	Order-no.:	Thread	Connection Ø ²
Mounting bolt	F-00007701	M6x0,5	5
	F-00002162	M10x1 - short	8
	F-00003649	M10x1 - long	8
	F-00004369	M12x1	8
	F-00011135	M12x1	10
	F-00004735	M12x1	15
	F-00011136	M16x1	10
	F-00003648	M16x1 - long	15
	F-00011137	M16x1 - short	15
	F-00007381	M20x0,5	13

² Other connection geometries on request