

Air bearings

Made of anodized aluminium; they are widely used in precision handling where traditional guides do not meet required tolerances.

There are numerous areas of application: measuring machines, machine tools, test benches, etc.

The characteristics that favour the use of air bearings are:

- precision: linear and positioning precision of up to 1 micron/m is obtained.
- sensitivity: the torque necessary to handle masses and weights, also substantial and minimum.
- reliability: not being subject to friction, they do not deteriorate over time.

Specifications for rectangular air bearings

dimensions	height mm	carrying capacity N	code
40x60	12	580	2000.01
50x80	15	960	2000.02
60x80	16	1150	2000.03
50x100	18	1200	2000.04
60x100	19	1440	2000.05
70x100	20	1680	2000.06
60x120	21	1730	2000.07
80x100	22	1920	2000.08
70x150	23	2520	2000.09
100x120	24	3360	2000.10

supply pressure 4 bar

meatus height 8µm

Specifications for circular air bearings

dimensions mm \varnothing	height mm	carrying capacity N	code
30	10	168	2010.01
40	12	301	2010.02
50	16	471	2010.03
60	17	679	2010.04
70	18	924	2010.05
80	18	1207	2010.06
100	21	1886	2010.07
125	23	2948	2010.08
150	25	4245	2010.09
200	30	7539	2010.10

supply pressure 4 bar
meatus height $8\mu\text{m}$

