

microlinea® - serie L

Automation, medical instrumentation, defense and space industry

Reference	d [mm]	D [mm]	B [mm]	r min [mm]	Ø balls [mm]	Load ratings	
						static C ₀ [N]	dynamic C [N]
L 204X	2	4	5	0.02	0.500	8	10
L 306X	3	6	7	0.13	0.600	31	30
L 408X	4	8	10	0.24	0.794	66	61
L 510X	5	10	14	0.24	1.250	131	132
L 612X	6	12	18	0.39	1.588	250	245

Example of part number definition

- L 204X-L23ar miniature precision linear bearing
- L 204X-L23ar bore diameter = 2 mm
- L 204X-L23ar outer diameter = 4 mm
- L 204X-L23ar stainless steel
- L 204X-L23ar lubricant: L = oil; G = grease
- L 204X-L23ar type of lubricant
- L 204X-L23ar rust protection, dipped in oil

- Housing** stainless steel AISI 440C
- Cage** brass
- Shields** stainless steel AISI 302 or AISI 303
- Balls** stainless steel AISI 440C
- Lubrication** Standard: Winsor Lube L245X (other oils on request)
- Temperature** -40° to +80°C or more with the appropriate lubricant

- Bearing tolerances**
- Bore diameter "d" 0/+8 [µm]
- Outside diameter "D" 0/-8 [µm]
- Recommended tolerances for shaft: 0/-6 µm
- Max. press fit between the outer ring and housing: 1 to 3 µm

On request, mps can deliver linear bearings entirely out of stainless steel (with stainless steel cage)

