



Description

Material:
Steel housing.
Nitrile rubber seal.

Version:
Ground edges.

Note:
Preloaded high-accuracy bearings with a 60° thrust angle. The bearings accept both radial and axial forces from both directions. Due to their preload, the angular contact ball bearings provide a high level of stiffness, excellent concentricity, precise tool positioning and repeatability.

The integrated low-friction seal effectively keeps dirt away from the bearing, thereby ensuring excellent operating safety and a long service life.

The bearing friction coefficient M_{rl} is a reference value.

The moment of inertia corresponds to that of the rotating inner ring.

The limiting speeds are applicable after grease is applied.

Technical data:
All bearings are supplied ready for mounting with lubricating grease type KE2P-35 acc. to DIN 51825.

Housing and shaft tolerances correspond to roundness tolerance class IT2 and perpendicularity tolerance class IT4.

Application:
For thread drive bearing.

Temperature range:
-30 °C to +120 °C.

Assembly:
Precision slotted nuts must be used for mounting the threaded spindles.

To compensate for any material settling during assembly, tighten the slotted nuts using 2x tightening torque, loosen slightly and then tighten using the prescribed tightening torque.

Tighten fastening screws crosswise up to max. 70% of the yield point.

Overview of items

Order No.	Abbreviation	Version	Form	B	B1	B2	D	D1	D2	D3	D4	D5	R	R1	α	β	M	Tightening torque, precision locknut Nm	Speed limit rpm
23806-01-101205525	1255-2RS	double-row	A	25 -0,25	3	17	12-0,005	55-0,01	25	-	6,6	42	0,3	0,6	60°	60°	M6	8	3800
23806-01-101506025	1560-2RS	double-row	A	25 -0,25	3	17	15-0,005	60-0,01	28	36	6,6	46	0,3	0,6	60°	60°	M6	10	3500
23806-01-101706225	1762-2RS	double-row	A	25 -0,25	3	17	17-0,005	62-0,01	30	38	6,6	48	0,3	0,6	60°	60°	M6	15	3300

Overview of items

Order No.	Abbreviation	Static load rating N	Dynamic load rating N	Axial rigidity N/μm	Tilt rigidity Nm/mrad	Bearing friction torque Nm	Moment of inertia kg.cm ²	Circular runout μm	Radial bearing clearance	Hole tolerance μm	OD tolerance μm	Width tolerance μm
23806-01-101205525	1255-2RS	24700	16900	375	50	0,16	0,068	2,0	pre-tensioned	0-5	0-10	0-250
23806-01-101506025	1560-2RS	28000	17900	400	65	0,20	0,102	2,0	pre-tensioned	0-5	0-10	0-250
23806-01-101706225	1762-2RS	31000	18800	450	80	0,24	0,132	2,0	pre-tensioned	0-5	0-10	0-250