

Single Row Deep Groove Ball Bearings - Separable



The outer ring with one rib of separable single row ball bearings, types E and BO, is designed so that the inner ring with a cage and rolling elements can be mounted separately. The bearings are manufactured with a bore diameter up to $d = 180\text{mm}$ and are suitable for lighter loads and high-speed applications.

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Dimensions					Bearing designation	Basic load rating		Fatigue load limit	Limiting speed for lubrication with		Mass
						dynamic	static		grease	oil	
d	D	B	r _{s min}	r _{1s min}		C _r	C _{or}	C _u	grease	oil	
mm						kN			min ⁻¹		kg
4	16	5	0.15	0.10	E4	1.22	0.24	0.011	34000	40000	0.005
5	16	5	0.15	0.10	E5	1.34	0.28	0.011	34000	40000	0.005
6	21	7	0.30	0.15	E6	2.24	0.40	0.018	30000	36000	0.011
7	22	7	0.30	0.15	E7	3.24	0.44	0.02	30000	36000	0.013
8	24	7	0.30	0.15	E8	3.24	0.44	0.02	28000	34000	0.016
9	28	8	0.30	0.15	E9	4.24	0.88	0.04	24000	30000	0.024
10	28	8	0.30	0.15	E10	4.24	0.88	0.04	24000	30000	0.023
11	32	7	0.30	0.15	E11	3.43	0.58	0.026	22000	28000	0.028
12	32	7	0.30	0.15	E12	3.43	0.58	0.026	22000	28000	0.027
13	30	7	0.30	0.15	E13	3.43	0.58	0.026	22000	28000	0.025
15	35	8	0.30	0.15	E15	4.52	1.15	0.048	19000	24000	0.034
17	44	11	0.60	0.30	E17	5.75	1.50	0.068	14000	18000	0.079
17	44	11	0.60	0.30	B017	5.75	1.50	0.068	14000	17000	0.075
20	47	12	0.60	0.30	E20	8.95	2.38	0.108	14000	17000	0.089