SKF Thrust ball bearing Single direction Series: 511

Thrust ball bearings are manufactured as single direction or double direction thrust ball bearings. They are designed to accommodate axial loads only and must not be subjected to any radial load. Thrust ball bearings are separable, i.e. the shaft washer, housing washer(s), ball and cage assembly(s) can be mounted separately. Shaft washers have a ground bore to enable an interference fit. The bore of the housing washer is turned and always larger than the shaft washer bore.

To accommodate initial misalignment between the shaft and housing, both single and double direction thrust ball bearings are available with sphered seat surfaces on the housing washers. They can be used together with a sphered seat washer adjacent to the housing washer or adjacent to a machine component manufactured with a sphered surface.

Single direction thrust ball bearings

Consist of a shaft washer, a housing washer and a ball and cage assembly. The bearings can accommodate axial loads and locate a shaft axially, in one direction only.

Characteristics

Series: 511
Variant: Single direction
Spherical housing washer: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Height mm	with seat washer	Article
51100	10	24	9	No	51100-SKF
51101	12	26	9	No	51101-SKF
51102	15	28	9	No	51102-SKF
51103	17	30	9	No	51103-SKF
51104	20	35	10	No	51104-SKF
51105	25	42	11	No	51105-SKF
51106	30	47	11	No	51106-SKF
51107	35	52	12	No	51107-SKF
51108	40	60	13	No	51108-SKF
51109	45	65	14	No	51109-SKF
51110	50	70	14	No	51110-SKF
51111	55	78	16	No	51111-SKF
51112	60	85	17	No	51112-SKF
51113	65	90	18	No	51113-SKF
51114	70	95	18	No	51114-SKF
51115	75	100	19	No	51115-SKF
51116	80	105	19	No	51116-SKF
51118	90	120	22	No	51118-SKF
51120	100	135	25	No	51120-SKF
51122	110	145	25	No	51122-SKF
51124	120	155	25	No	51124-SKF
51128	140	180	31	No	51128-SKF
51130 M	150	190	31	No	51130M-SKF
51134 M	170	215	34	No	51134M-SKF
51138 M	190	240	37	No	51138M-SKF
51148 M	240	300	45	No	51148M-SKF

PR_RC0156_0002_EN_17.04.2024