

SKF Single row angular contact ball bearing Series: 74

Angular contact ball bearings have raceways in the inner and outer rings that are displaced relative to each other in the direction of the bearing axis. This means that they are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The axial load carrying capacity of angular contact ball bearings increases with increasing contact angle. The contact angle is defined as the angle between the line joining the points of contact of the ball and the raceways in the radial plane, along which the load is transmitted from one raceway to another, and a line perpendicular to the bearing axis. Angular contact ball bearings are manufactured in a wide variety of designs and sizes. The most commonly used designs are:

- single row angular contact ball bearings
- double row angular contact ball bearings
- four-point contact ball bearings

Single row angular contact ball bearings

Single row angular contact ball bearings can accommodate axial loads acting in one direction only. A single row bearing is typically adjusted against a second bearing. The bearings are non-separable and the bearing rings have one high and one low shoulder. The low shoulder enables a large number of balls to be incorporated in the bearing, giving it a relatively high load carrying capacity. The bearings are designed as standard with three contact angle indications. The most common versions have a contact angle of 40°. Larger bearings usually have contact angles of 25° or 30°.

Characteristics

Series: 74

With sealing: No

Application

- Recommended in: Chemical

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
7405 BCBM	25	80	21	40	Brass	23759880
7406 BCBM	30	90	23	40	Brass	23759881
7407 BCBM	35	100	25	40	Brass	23759882
7408 BCBM	40	110	27	40	Brass	23759884
7408 BM	40	110	27	40	Brass	23759885
7409 BCBM	45	120	29	40	Brass	24003031
7409 BGM	45	120	29	40	Brass	23759886
7410 BGAM	50	130	31	40	Brass	24003032
7410 BCBM	50	130	31	40	Brass	23759887
7411 BCBM	55	140	33	40	Brass	24003033
7411 BGAM	55	140	33	40	Brass	24003034
7411 BGM	55	140	33	40	Brass	23759888
7412 BGAM	60	150	35	40	Brass	24003035
7412 BCBM	60	150	35	40	Brass	23759889
7413 BCBM	65	160	37	40	Brass	23759891
7414 BGAM	70	180	42	40	Brass	24003036
7414 BCBM	70	180	42	40	Brass	23759892
7415 BCBM	75	190	45	40	Brass	23759893
7415 BGAM	75	190	45	40	Brass	24003037
7416 CBM	80	200	48	40	Brass	12121292
7416 CBM/W64	80	200	48	40	Brass	13199433

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
7418 CBM	90	225	54	40	Brass	12121293

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