

## SKF Double row angular contact ball bearing series 3200

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

### Double row angular contact ball bearing

Double row angular contact ball bearings correspond in design to two single row angular contact ball bearings arranged back-to-back, but take up less axial space. They can accommodate radial loads as well as axial loads acting in both directions. They provide stiff bearing arrangements and are able to accommodate tilting moments. The bearings are available in a basic open and a sealed design. Basic design bearings of the 32 and 33 series have a 30° contact angle, have an optimized internal geometry to provide high radial and axial load carrying capacity and quiet operation. The bearings are also available capped with a contact seal or shield. Bearings capped on both sides are lubricated for life and are considered virtually maintenance free.

### Characteristics

**Serie:** 3200

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Cage material	With sealing	Article
3200 ATN9	10	30	14	Plastic	No	3200TN9-SKF
3200 ATN9/C3	10	30	14	Plastic	No	3200C3-SKF
3201 ATN9/C3	12	32	15.9	Plastic	No	3201TN9C3-SKF
3201 ATN9	12	32	15.9	Plastic	No	3201TN9-SKF
3202 ATN9/C3	15	35	15.9	Plastic	No	3202C3-SKF
3202 ATN9	15	35	15.9	Plastic	No	3202-SKF
3202 ATN9/W64	15	35	15.9	Plastic	No	3202AW64-SKF
3203 ATN9/C3	17	40	17.5	Plastic	No	3203C3-SKF
3203 ATN9	17	40	17.5	Plastic	No	3203TN9-SKF
3204 ATN9	20	47	20.6	Plastic	No	3204TN9-SKF
3204 ATN9/C3	20	47	20.6	Plastic	No	3204C3-SKF
3204 ATN9/C2	20	47	20.6	Plastic	No	3204C2-SKF
3204 A/C3	20	47	20.6	Steel	No	3204JC3-SKF
3204 A	20	47	20.6	Steel	No	3204-SKF
3205 ATN9	25	52	20.6	Plastic	No	3205TN9-SKF
3205 ATN9/C2	25	52	20.6	Plastic	No	3205ATN9C2-SKF
3205 ATN9/C3	25	52	20.6	Plastic	No	3205C3-SKF
3205 ATN9/W64	25	52	20.6	Plastic	No	3205AW64-SKF
3205 A/C3	25	52	20.6	Steel	No	3205JC3-SKF
3205 A	25	52	20.6	Steel	No	3205-SKF
3206 ATN9/C3	30	62	23.8	Plastic	No	3206C3-SKF
3206 ATN9	30	62	23.8	Plastic	No	3206TN9-SKF
3206 A/C3	30	62	23.8	Steel	No	3206JC3-SKF
3206 A	30	62	23.8	Steel	No	3206-SKF
3207 ATN9	35	72	27	Plastic	No	3207TN9-SKF
3207 ATN9/C2	35	72	27	Plastic	No	3207ATN9C2-SKF
3207 ATN9/C3	35	72	27	Plastic	No	3207C3-SKF

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Manufacturer ID	Inner diameter	Outer diameter	Width	Cage material	With sealing	Article
	mm	mm	mm			
3207 A/C3	35	72	27	Steel	No	3207JC3-SKF
3207 A	35	72	27	Steel	No	3207-SKF
3208 ATN9	40	80	30.2	Plastic	No	3208TN9-SKF
3208 ATN9/C3	40	80	30.2	Plastic	No	3208C3-SKF
3208 ATN9/W64	40	80	30.2	Plastic	No	3208AW64-SKF
3208 A	40	80	30.2	Steel	No	3208J-SKF
3208 A/C3	40	80	30.2	Steel	No	3208JC3-SKF
3209 ATN9	45	85	30.2	Plastic	No	3209TN9-SKF
3209 ATN9/C3	45	85	30.2	Plastic	No	3209C3-SKF
3209 ATN9/W64	45	85	30.2	Plastic	No	3209AW64-SKF
3209 A/C3	45	85	30.2	Steel	No	3209JC3-SKF
3209 A	45	85	30.2	Steel	No	3209-SKF
3210 ATN9/C3	50	90	30.2	Plastic	No	3210C3-SKF
3210 ATN9	50	90	30.2	Plastic	No	3210TN9-SKF
3210 A/C3	50	90	30.2	Steel	No	3210JC3-SKF
3211 ATN9	55	100	33.3	Plastic	No	3211TN9-SKF
3211 A	55	100	33.3	Steel	No	3211-SKF
3211 A/C3	55	100	33.3	Steel	No	3211C3-SKF
3212 ATN9	60	110	36.5	Plastic	No	3212TN9-SKF
3212 A	60	110	36.5	Steel	No	3212-SKF
3212 A/C3	60	110	36.5	Steel	No	3212C3-SKF
3213 A/C3	65	120	38.1	Steel	No	3213C3-SKF
3213 A	65	120	38.1	Steel	No	3213-SKF
3214 A	70	125	39.7	Steel	No	3214-SKF
3214 A/C3	70	125	39.7	Steel	No	3214C3-SKF
3214 A/W64	70	125	39.7	Steel	No	3214AW64-SKF
3215 A/W64	75	130	41.3	Steel	No	3215AW64-SKF
3215 A/C3	75	130	41.3	Steel	No	3215C3-SKF
3215 A	75	130	41.3	Steel	No	3215-SKF
3216 A	80	140	44.4	Steel	No	3216-SKF
3216 A/C3	80	140	44.4	Steel	No	3216C3-SKF
3217 A/C3	85	150	49.2	Steel	No	3217C3-SKF
3217 A	85	150	49.2	Steel	No	3217-SKF
3218 A	90	160	52.4	Steel	No	3218-SKF
3218 A/C3	90	160	52.4	Steel	No	3218C3-SKF
3219 A/C3	95	170	55.6	Steel	No	3219C3-SKF
3219 A	95	170	55.6	Steel	No	3219-SKF
3220 A	100	180	60.3	Steel	No	3220-SKF
3220 A/C3	100	180	60.3	Steel	No	3220C3-SKF
3220 A/W64	100	180	60.3	Steel	No	3220AW64-SKF
3222 A/C3	110	200	69.8	Steel	No	3222C3-SKF
3222 A	110	200	69.8	Steel	No	3222-SKF

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