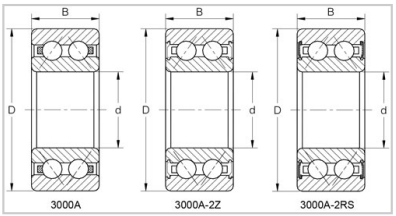
Double Row Angular Contact Ball Bearings

5200 Series-5202






| | |
|---|---|
| Designation | **5202** |
| Principal dimensions(mm) | |
| d | 15 |
| D | 35 |
| B | 15.9 |
| r(min) | 0.6 |
| Basic load ratings(KN) | |
| Cr | 11700 |
| Cor | 7050 |
| Basic load ratings(kgf) | |
| Cr | 1190 |
| Cor | 715 |
| Limiting Speed (rpm) | |
| Grease | 13000 |
| Oil | 17000 |
| Distance of action point | |
| a0(mm) | 18.3 |
| Installation dimensions(mm) | |
| da(min) | **20** |
| Da(max) | 30 |
| ra(max) | 0.6 |
| Weight | |
| (kg) | 0.07 |

Angular contact ball bearings have inner and outer ring raceways that are displaced relative to each other in the direction of the bearing axis. This means that these bearings 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 as the contact angle increases. 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 combined load is transmitted from one raceway to another, and a line perpendicular to the bearing axis

**The most commonly used designs are:**

single row angular contact ball bearings

double row angular contact ball bearings

four-point contact ball bearings

bearing.com