Single Row Angular Contact Ball Bearings
7200 Series angular contact ball bearing-7212DT,7212DF,7212DB,7212C

| | |
|---|---|
| Bearing Numbers | |
| Single row | **7212C** |
| DB | **7212DB** |
| DF | **7212DF** |
| DT | **7212DT** |
| Dimensiones principales (mm) | |
| D | 60 |
| D | 110 |
| B | 22 |
| r (min) | 1.5 |
| r1(min) | **1** |
| Basic load ratings(N) | |
| Cr | 64000 |
| Cor | 49000 |
| Clasificaciones de carga básica (kgf) | |
| Cr | 6550 |
| Cor | 5000 |
| Valor | |
| fo | 14.4 |
| Velocidad límite (rpm) | |
| Grasa | 9500 |
| Petróleo | 13000 |
| Distance of action point(mm) | |
| a | 22.4 |
| Abutment and fillet dimensions | |
| da (min) | 69 |
| Da (máx.) | 101 |
| ra (máximo) | 1.5 |
| Peso | |
| (kg) | 0.889 |
| Basic load ratings(duplex bearing) (N) | |
| Cr | 104000 |
| Cor | 98500 |
| Basic load ratings(duplex bearing) (kgf) | |
| Cr | 10600 |
| Cor | 10000 |
| Limiting Speed(duplex bearing) (rpm) | |
| Grasa | 7500 |
| Petróleo | 11000 |
| Distance of action point (duplex bearing)(a0) | |
| back-to-back arrangement | 44.8 |
| face-to-face arrangement | 0.8 |
| Installation dimensions(duplex bearing) | |
| db (min) | sesenta y cinco |
| Db(max) | 104 |
| rb (máximo) | **1** |

# GQZ bearings wholesale high quality 7200 Series Single Row Angular Contact Ball Bearings

7200 series bearings usually refer to angular contact ball bearings, and this series of bearings has specific size specifications for different application scenarios. Based on the information provided, we can see that the different brands and models of 7200 series bearings have the same basic dimensions, i.e., an inner diameter of 10mm, an outer diameter of 30mm, and a thickness of 18mm.These dimensional parameters are critical to selecting the right bearing for a particular application requirement.

**Inner Diameter (d): 10mm**, this is the diameter of the internal bore of the bearing and determines the size of the bearing that can be fitted to the shaft.

**Outer diameter (OD): 30mm**, this is the diameter of the bearing's outer bore and determines the size of the bearing that can be fitted to the housing.

**Thickness (B): 18mm**, this is the thickness of the bearing and affects the overall size of the bearing and the space required for mounting.

There are also specific models of 7200 series bearings with additional design features, such as back-to-back paired duplex angular contact ball bearings (Type 70000 C(AC,B)/DB), which are typically used in applications requiring greater precision and stability. However, the basic dimensional parameters are sufficient for most applications, unless there is a special need to consider these special designs.

**What models are included in the 7200 series bearings?**

The 7200 series bearings include the 7200CDT, 7200DB, 7200AC/DB and 7200C models.

The 7200CDT bearing has an inside diameter of 10mm, an outside diameter of 30mm, and a thickness of 18mm. it is rated for a dynamic load of 9.45kN and a static load of 5.85kN. with grease lubrication it is capable of speeds of up to 25,000rpm and with oil lubrication it is capable of speeds of up to 34,000rpm.1 The 7200DB bearing is also available in two models.

The 7200DB bearing is also available in two models, the KOYO brand 7200DB and the NTN brand 7200DB. The KOYO 7200DB bearing has an inner diameter of 10mm, an outer diameter of 30mm and a thickness of 18mm. it is rated for a dynamic load of 8.8kN and a static load of 5.45kN. under grease lubrication, it can reach a speed of 18000rpm, while under oil lubrication, it can reach a speed of 34000rpm1. 18,000rpm, and under oil lubrication, it can reach 23,000rpm.NTN 7200DB bearings are angular contact ball series bearings with the same ID, OD and thickness as KOYO 7200DB, and it is mentioned in the remarks that it is a back to back paired duplex angular contact ball bearings 23.

7200AC/DB bearings are angular contact ball bearings with an inner diameter of 10 mm, an outer diameter of 30 mm and a thickness of 18 mm.This type of bearing can be used in a variety of applications such as printing machinery, automation equipment, ventilation fans etc4.

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