Single Row Angular Contact Ball Bearings
7000 Series angular contact ball bearings-7012DT,7012DF,7012DB,7012C

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|---|---|
| Bearing Numbers | |
| Single row | **7012C** |
| DB | **7012DB** |
| DF | **7012DF** |
| DT | **7012DT** |
| Dimensiones principales (mm) | |
| D | 60 |
| D | 95 |
| B | 18 |
| r (min) | 1.1 |
| r1(min) | 0.6 |
| Basic load ratings(N) | |
| Cr | 35000 |
| Cor | 30500 |
| Clasificaciones de carga básica (kgf) | |
| Cr | 3600 |
| Cor | 3150 |
| Valor | |
| fo | 15.6 |
| Velocidad límite (rpm) | |
| Grasa | 10000 |
| Petróleo | 14000 |
| Distance of action point(mm) | |
| a | 19.4 |
| Abutment and fillet dimensions | |
| da (min) | 67 |
| Da (máx.) | 88 |
| ra (máximo) | **1** |
| Peso | |
| (kg) | 0.46 |
| Basic load ratings(duplex bearing) (N) | |
| Cr | 57000 |
| Cor | 61500 |
| Basic load ratings(duplex bearing) (kgf) | |
| Cr | 5800 |
| Cor | 6250 |
| Limiting Speed(duplex bearing) (rpm) | |
| Grasa | 8500 |
| Petróleo | 12000 |
| Distance of action point (duplex bearing)(a0) | |
| back-to-back arrangement | 38.8 |
| face-to-face arrangement | 2.8 |
| Installation dimensions(duplex bearing) | |
| db (min) | sesenta y cinco |
| Db(max) | 90 |
| rb (máximo) | 0.6 |

# GQZ bearing wholesale high quality 7000 Series Single Row Angular Contact Ball Bearings

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.

**Model:7000 series**

**Bore (Inner) Diameter: 10 mm**

**Outer Diameter: 26 mm**

**Width (Thickness): 16mm;**

The 7000 series bearings contain models 7000CTA-2RZ/P5 single, 7001CTA-2RZ/P5 single, 7002CTA-2RZ/P5

single, 7003CTA-2RZ/P5 single, 7004CTA-2RZ/P5 single, 7005CTA-2RZ/P5 single, 7000CTA-2RZ/P4 single,

7001CTA-2RZ/P4 single, 7002CTA-2RZ/P4 single, 7003CTA-2RZ/P4 single, 7004CTA-2RZ/P4 single, 7005CTA-2RZ/P4 single. These models cover a wide range of specifications and configurations, including single use and paired use, as well as different accuracy levels (P4 and P5) for a variety of application scenarios. Models 7006CTA-2RZ/P4 paired and 7007CTA-2RZ/P4 paired are also available, providing more options to meet different needs. These bearing types include angular contact ball bearings, which are able to withstand radial and axial loads and can also operate at higher speeds, making them one of the commonly used bearing types in mechanical systems.