

Single Row Angular Contact Ball Bearings

7000 Series angular contact ball bearings-7040DT,7040DF,7040DB,7040A



Bearing Numbers

Single row	7040A
DB	7040DB
DF	7040DF
DT	7040DT

Dimensões principais (mm)

d	200
D	310
B	51
r (min)	2.1
r1(min)	1.1

Basic load ratings(N)

Cr	240000
Cor	310000

Classificações básicas de carga (kgf)

Cr	24500
Cor	31500

Valor

fo	16.2
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Velocidade limite (rpm)

Graxa	1700
Óleo	2200



Distance of action point(mm)



uma	99.1
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Abutment and fillet dimensions

da (min)	212
Da (max)	298
ra (max)	2

Peso

(kg)	13.7
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Basic load ratings(duplex bearing) (N)

Cr	390000
Cor	620000

Basic load ratings(duplex bearing) (kgf)

Cr	40000
Cor	63500

Limiting Speed(duplex bearing) (rpm)

Graxa	1300
Óleo	1800

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	198.2
face-to-face arrangement	96.2

Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	303
rb (max)	1

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.

