

Single Row Angular Contact Ball Bearings

7000 Series angular contact ball bearings-7002DT,7002DF,7002DB,7002A 

Bearing Numbers

Single row	7002A
DB	7002DB
DF	7002DF
DT	7002DT

Dimensões principais (mm)

d	15
D	32
B	9
r (min)	0.3
r1(min)	0.15

Basic load ratings(N)

Cr	6100
Cor	3450

Classificações básicas de carga (kgf)

Cr	625
Cor	350

Valor

fo	14.5
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Velocidade limite (rpm)

Graxa	24000
Óleo	32000



Distance of action point(mm)



uma	11.3
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Abutment and fillet dimensions

da (min)	17.5
Da (max)	29.5
ra (max)	0.3

Peso

(kg)	0.03
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Basic load ratings(duplex bearing) (N)

Cr	9950
Cor	6850

Basic load ratings(duplex bearing) (kgf)

Cr	1010
Cor	700

Limiting Speed(duplex bearing) (rpm)

Graxa	19000
Óleo	26000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	22.6
face-to-face arrangement	4.6

Installation dimensions(duplex bearing)

db (min)	16.2
Db(max)	30.8
rb (max)	0.15

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.

