

# Single Row Angular Contact Ball Bearings

7900 Series-7912DT,7912DF,7912DB,7912C



WUXI GUANGQIANG BEARING TRADE CO.,LTD

## Bearing Numbers

Single row	<b>7912C</b>
DB	<b>7912DB</b>
DF	<b>7912DF</b>
DT	<b>7912DT</b>

## Dimensões principais (mm)

d	60
D	85
B	13
r (min)	<b>1</b>
r1(min)	0.6

## Basic load ratings(N)

Cr	19400
Cor	18700

## Classificações básicas de carga (kgf)

Cr	1980
Cor	1910

## Valor

fo	16.4
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## Velocidade limite (rpm)

Graxa	11000
Óleo	15000

## Distance of action point(mm)

uma	16.2
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## Abutment and fillet dimensions

da (min)	66
Da (max)	<b>79</b>
ra (max)	<b>1</b>

## Peso

(kg)	0.194
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## Basic load ratings(duplex bearing) (N)

Cr	31500
Cor	37500

## Basic load ratings(duplex bearing) (kgf)

Cr	3200
Cor	3800

## Limiting Speed(duplex bearing) (rpm)

Graxa	9000
Óleo	12000

## Distance of action point (duplex bearing)(a0)

back-to-back arrangement	32.4
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face-to-face arrangement	6.4
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## Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	80
rb (max)	0.6

## **GQZ high quality 7900 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

### **The most commonly used designs are:**

single row angular contact ball bearings

double row angular contact ball bearings

four-point contact ball bearings

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