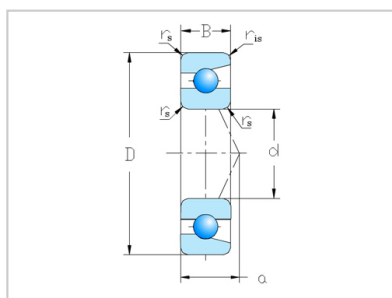


# Single Row Angular Contact Ball Bearings

7900 Series-7916DT,7916DF,7916DB,7916C



WUXI GUANGQIANG BEARING TRADE CO.,LTD

## Bearing Numbers

Single row	<b>7916C</b>
DB	<b>7916DB</b>
DF	<b>7916DF</b>
DT	<b>7916DT</b>

## Dimensões principais (mm)

d	80
D	110
B	<b>16</b>
r (min)	<b>1</b>
r1(min)	0.6

## Basic load ratings(N)

Cr	29000
Cor	30500

## Classificações básicas de carga (kgf)

Cr	2960
Cor	3150

## Valor

fo	16.5
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## Velocidade limite (rpm)

Graxa	8500
Óleo	12000

## Distance of action point(mm)

uma	20.7
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## Abutment and fillet dimensions

da (min)	86
Da (max)	104
ra (max)	<b>1</b>

## Peso

(kg)	0.376
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## Basic load ratings(duplex bearing) (N)

Cr	47000
Cor	61500

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

Cr	4800
Cor	6250

## Limiting Speed(duplex bearing) (rpm)

Graxa	6700
Óleo	9500

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

back-to-back arrangement	41.5
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face-to-face arrangement	9.5
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## Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	105
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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