

Single Row Angular Contact Ball Bearings

7900 Series-7916DT,7916DF,7916DB,7916A5



BEARING

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row **7916A5**

DB **7916DB**

DF **7916DF**

DT **7916DT**

Dimensões principais (mm)

d 80

D 110

B **16**

r (min) **1**

r1(min) 0.6

Basic load ratings(N)

Cr 27300

Cor 29000

Classificações básicas de carga (kgf)

Cr 2790

Cor 2960

Valor

fo 16.4

Velocidade limite (rpm)

Graxa 7100

Óleo 10000

Distance of action point(mm)

uma 30.2

Abutment and fillet dimensions

da (min) 86

Da (max) 104

ra (max) **1**

Peso

(kg) 0.38

Basic load ratings(duplex bearing) (N)

Cr 44500

Cor 58000

Basic load ratings(duplex bearing) (kgf)

Cr 4550

Cor 5900

Limiting Speed(duplex bearing) (rpm)

Graxa 5600

Óleo 8000

Distance of action point (duplex bearing)(a0)

back-to-back 60.3

arrangement

face-to-face 28.3

arrangement

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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