

Single Row Angular Contact Ball Bearings

7900 Series-7912DT,7912DF,7912DB,7912A5



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7912A5
DB	7912DB
DF	7912DF
DT	7912DT

Dimensões principais (mm)

d	60
D	85
B	13
r (min)	1
r1(min)	0.6

Basic load ratings(N)

Cr	18300
Cor	17700

Classificações básicas de carga (kgf)

Cr	1870
Cor	1810

Valor

fo	16.5
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Velocidade limite (rpm)

Graxa	9500
Óleo	13000

Distance of action point(mm)

uma	23.4
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Abutment and fillet dimensions

da (min)	66
Da (max)	79
ra (max)	1

Peso

(kg)	0.197
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Basic load ratings(duplex bearing) (N)

Cr	29800
Cor	35500

Basic load ratings(duplex bearing) (kgf)

Cr	3050
Cor	3600

Limiting Speed(duplex bearing) (rpm)

Graxa	7500
Óleo	10000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	46.8
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face-to-face arrangement	20.8
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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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