

Single Row Angular Contact Ball Bearings

7900 Series-7901DT,7901DF,7901DB,7901A5



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7901A5
DB	7901DB
DF	7901DF
DT	7901DT

Dimensiones principales (mm)

D	12
D	24
B	6
r (min)	0.3
r1(min)	0.15

Basic load ratings(N)

Cr	3200
Cor	1770

Clasificaciones de carga básica (kgf)

Cr	325
Cor	181

Valor

fo	15.2
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Velocidad límite (rpm)

Grasa	38000
Petróleo	53000

Distance of action point(mm)

a	7.2
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Abutment and fillet dimensions

da (min)	14.5
Da (máx.)	21.5
ra (máximo)	0.3

Peso

(kg)	0.011
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Basic load ratings(duplex bearing) (N)

Cr	5200
Cor	3550

Basic load ratings(duplex bearing) (kgf)

Cr	530
Cor	360

Limiting Speed(duplex bearing) (rpm)

Grasa	30000
Petróleo	43000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	14.4
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face-to-face arrangement	2.4
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Installation dimensions(duplex bearing)

db (min)	sesenta y cinco
Db(max)	22.8
rb (máximo)	0.15

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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