

Single Row Angular Contact Ball Bearings

7900 Series-7918DT,7918DF,7918DB,7918A5



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7918A5
DB	7918DB
DF	7918DF
DT	7918DT

Dimensões principais (mm)

d	90
D	125
B	18
r (min)	1.1
r1(min)	0.6

Basic load ratings(N)

Cr	39500
Cor	43500

Classificações básicas de carga (kgf)

Cr	4000
Cor	4450

Valor

fo	16.4
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Velocidade limite (rpm)

Graxa	6300
Óleo	8500

Distance of action point(mm)

uma	34.1
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Abutment and fillet dimensions

da (min)	97
Da (max)	118
ra (max)	1

Peso

(kg)	0.56
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Basic load ratings(duplex bearing) (N)

Cr	64000
Cor	87000

Basic load ratings(duplex bearing) (kgf)

Cr	6500
Cor	8900

Limiting Speed(duplex bearing) (rpm)

Graxa	5000
Óleo	7100

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	68.1
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face-to-face arrangement	32.1
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Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	120
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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