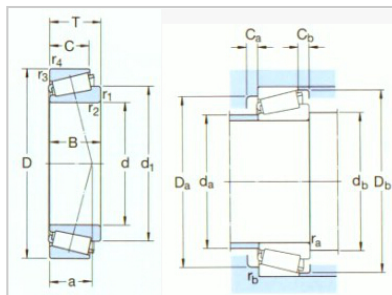


Tapered Roller Bearing

32300 Series-32310BJ2/QCL7C

Designation **32310BJ2/QCL7C**

Principal dimensions [mm]

d1	50
D	110
B	42.25

Basic load ratings [kN]

dyc(Cr)	183
stc(Cor)	216
Pu	24.5

Speed ratings [rpm]

Speed Ratings	4500
Limiting Speed	6000
Weight(Kg)	1.85

ISO335

Dimensions (ABMA) 5FD

Dimensions [mm]

d	50
d1	82.9
B	40
C	33
r1,2(min)	2.5
r3,4(min)	2
a	34

Abutment and fillet dimensions [mm]

da(max)	62
db(min)	60
Da(min)	83
Da(max)	100
Db(min)	103
Ca(min)	5
Cb(min)	9
ra(max)	2
rb(max)	2

Value

e	0.54
Y	1.1
Yo	0.6

Tapered roller bearings have tapered inner and outer raceways and rollers to handle simultaneous radial and thrust loads. Their axial load carrying capacity is directly related to the contact angle of the rollers and raceway shaft.

They are available in single-row, double-row, and four-row designs. The individual parts of tapered roller bearings are commonly sold separately as cups and cones. Cones contain the roller assembly

and inner ring while cups include the outer ring. Full assembly units contain both the cup and cone. As separable bearings, different designs and sizes are available to accommodate a variety of applications.

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