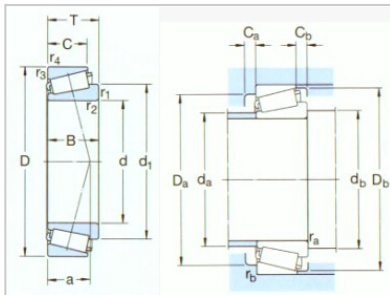


Tapered Roller Bearing

33000 Series-31330XJ2



Designation	<b>31330XJ2</b>
Principal dimensions [mm]	
d1	150
D	320
B	82
Basic load ratings [kN]	
dyc(Cr)	781
stc(Cor)	1020
Pu	100
Speed ratings [rpm]	
Speed Ratings	1400
Limiting Speed	2000
Weight(Kg)	29.5
ISO335	
Dimensions (ABMA)	7GB
Dimensions [mm]	
d	150
d1	234
B	75
C	50
r1,2(min)	5
r3,4(min)	4
a	96
Abutment and fillet dimensions [mm]	
da(max)	181
db(min)	170
Da(min)	251
Da(max)	303
Db(min)	300
Ca(min)	9
Cb(min)	32
ra(max)	4
rb(max)	<b>3</b>
Value	
e	0.83
Y	0.72
Yo	0.4

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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