

## Tapered Roller Bearing

33000 Series-31330XJ2

Designation **31330XJ2**

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) **3**

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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