

## Tapered Roller Bearing

31300 Series-31328XJ2

Designation **31328XJ2**

Principal dimensions [mm]

d1 140

D 300

B 77

Basic load ratings [kN]

dyc(Cr) 693

stc(Cor) 900

Pu 88

Speed ratings [rpm]

Speed Ratings 1500

Limiting Speed 2200

Weight(Kg) 24.5

ISO335

Dimensions (ABMA) 7GB

Dimensions [mm]

d 140

d1 219

B 70

C 47

r1,2(min) 5

r3,4(min) 4

a 90

Abutment and fillet dimensions [mm]

da(max) 169

db(min) 160

Da(min) 235

Da(max) 283

Db(min) 280

Ca(min) 9

Cb(min) 30

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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