

Tapered Roller Bearing

32300 Series-32313J2/Q

Designation **32313J2/Q**

Principal dimensions [mm]

d1 65

D 140

B 51

Basic load ratings [kN]

dyc(Cr) 264

stc(Cor) 335

Pu 40

Speed ratings [rpm]

Speed Ratings 3400

Limiting Speed 4800

Weight(Kg) 3.45

ISO335

Dimensions (ABMA) 2GD

Dimensions [mm]

d 65

d1 99.2

B 48

C 39

r1,2(min) **3**

r3,4(min) 2.5

a 33

Abutment and fillet dimensions [mm]

da(max) 80

db(min) 77

Da(min) 117

Da(max) 128

Db(min) 130

Ca(min) 6

Cb(min) 12

ra(max) 2.5

rb(max) **2**

Value

e 0.35

Y 1.7

Yo 0.9

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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