

Tapered Roller Bearing

30300 Series-30317J2



Designation	30317J2
Principal dimensions [mm]	
d1	85
D	180
B	44.5
Basic load ratings [kN]	
dyc(Cr)	303
stc(Cor)	365
Pu	40.5
Speed ratings [rpm]	
Speed Ratings	2800
Limiting Speed	4000
Weight(Kg)	4.85
ISO335	
Dimensions (ABMA)	2GB
Dimensions [mm]	
d	85
d1	126
B	41
C	34
r1,2(min)	4
r3,4(min)	3
a	35
Abutment and fillet dimensions [mm]	
da(max)	107
db(min)	99
Da(min)	156
Da(max)	166
Db(min)	167
Ca(min)	6
Cb(min)	10.5
ra(max)	3
rb(max)	2.5
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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