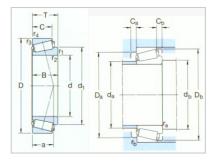
Tapered Roller Bearing

31300 Series-31328XJ2







Designation	31328XJ2
Principal dimensions m	_
d1	140
D	300
В	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
В	70
С	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
Υ	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

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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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