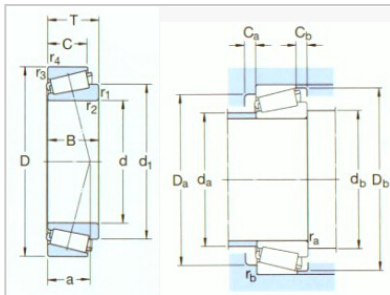


Tapered Roller Bearing

33000 Series-33014



Designation	33014
Principal dimensions [mm]	
d1	70
D	110
B	31
Basic load ratings [kN]	
dyc(Cr)	130
stc(Cor)	196
Pu	22.8
Speed ratings [rpm]	
Speed Ratings	4300
Limiting Speed	5600
Weight(Kg)	1.10
ISO335	
Dimensions (ABMA)	2CE
Dimensions [mm]	
d	70
d1	88.8
B	31
C	25.5
r1,2(min)	1.5
r3,4(min)	1.5
a	23
Abutment and fillet dimensions [mm]	
da(max)	78
db(min)	77
Da(min)	99
Da(max)	103
Db(min)	105
Ca(min)	5
Cb(min)	5.5
ra(max)	1.5
rb(max)	1.5
Value	
e	0.28
Y	2.1
Yo	1.1

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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