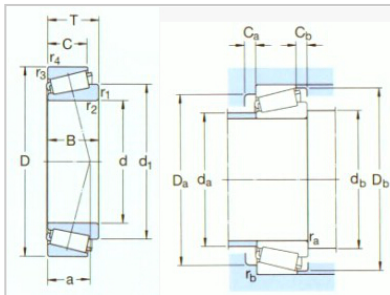


Tapered Roller Bearing

33000 Series-33024



Designation	33024
Principal dimensions [mm]	
d1	120
D	180
B	48
Basic load ratings [kN]	
dyc(Cr)	292
stc(Cor)	540
Pu	56
Speed ratings [rpm]	
Speed Ratings	2600
Limiting Speed	3400
Weight(Kg)	4.20
ISO335	
Dimensions (ABMA)	2DE
Dimensions [mm]	
d	120
d1	149
B	48
C	38
r1,2(min)	2.5
r3,4(min)	2
a	36
Abutment and fillet dimensions [mm]	
da(max)	132
db(min)	131
Da(min)	160
Da(max)	170
Db(min)	171
Ca(min)	6
Cb(min)	10
ra(max)	2
rb(max)	2
Value	
e	0.3
Y	2
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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