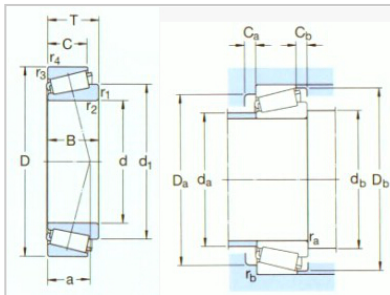


Tapered Roller Bearing

33000 Series-**33022**



Designation	33022
Principal dimensions [mm]	
d1	110
D	170
B	47
Basic load ratings [kN]	
dyc(Cr)	281
stc(Cor)	500
Pu	53
Speed ratings [rpm]	
Speed Ratings	2600
Limiting Speed	3600
Weight(Kg)	3.85
ISO335	
Dimensions (ABMA)	2DE
Dimensions [mm]	
d	110
d1	139
B	47
C	37
r1,2(min)	2.5
r3,4(min)	2
a	34
Abutment and fillet dimensions [mm]	
da(max)	123
db(min)	121
Da(min)	152
Da(max)	160
Db(min)	161
Ca(min)	7
Cb(min)	10
ra(max)	2
rb(max)	2
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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