

## Tapered Roller Bearing

33200 Series-**33220**

Designation	<b>33220</b>
Principal dimensions [mm]	
d1	100
D	180
B	63
Basic load ratings [kN]	
dyc(Cr)	429
stc(Cor)	655
Pu	71
Speed ratings [rpm]	
Speed Ratings	2400
Limiting Speed	3600
Weight(Kg)	6.95
ISO335	
Dimensions (ABMA)	3FE
Dimensions [mm]	
d	100
d1	139
B	63
C	48
r1,2(min)	<b>3</b>
r3,4(min)	2.5
a	43
Abutment and fillet dimensions [mm]	
da(max)	112
db(min)	112
Da(min)	151
Da(max)	168
Db(min)	172
Ca(min)	10
Cb(min)	15
ra(max)	2.5
rb(max)	<b>2</b>
Value	
e	0.4
Y	1.5
Yo	0.8

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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