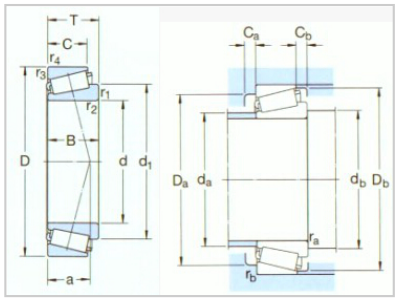
Tapered Roller Bearing

33000 Series-33013/Q





Designation	**33013/Q**
Principal dimensions（mm）	
d1	65
D	100
B	27
Basic load ratings（KN）	
dyc(Cr)	110
stc(Cor)	153
Pu	17.3
Speed ratings（rpm）	
Speed Ratings	5000
Limiting Speed	6300
Weight(Kg)	0.78
ISO335	
Dimensions (ABMA)	2CE
Dimensions （mm）	
d	65
d1）	82.5
B	27
C	21
r1,2(min)	1.5
r3,4(min)	1.5
a	21
Abutment and fillet dimensions （mm）	
da(max)	72
db(min)	72
Da(min)	89
Da(max)	93
Db(min)	96
Ca(min)	5
Cb(min)	6
ra(max)	1.5
rb(max)	1.5
Value	
e	0.35
Y	1.7
Yo	0.9

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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