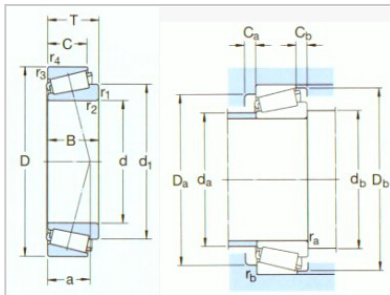


Tapered Roller Bearing

31300 Series-31316J1/QCL7C



Designation	31316J1/QCL7C
Principal dimensions [mm]	
d1	80
D	170
B	42.5
Basic load ratings [kN]	
dyc(Cr)	260
stc(Cor)	265
Pu	32
Speed ratings [rpm]	
Speed Ratings	3000
Limiting Speed	4000
Weight(Kg)	4.05
ISO335	
Dimensions (ABMA)	7GB
Dimensions [mm]	
d	80
d1	124
B	39
C	27
r1,2(min)	3
r3,4(min)	2.5
a	52
Abutment and fillet dimensions [mm]	
da(max)	97
db(min)	92
Da(min)	134
Da(max)	158
Db(min)	159
Ca(min)	6
Cb(min)	15.5
ra(max)	2.5
rb(max)	2
Value	
e	0.83
Y	0.72
Yo	0.4

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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