

Tapered Roller Bearing

30200 Series-30218J2



Designation	30218J2
Principal dimensions [mm]	
d1	90
D	160
B	32.5
Basic load ratings [kN]	
dyc(Cr)	194
stc(Cor)	245
Pu	28.5
Speed ratings [rpm]	
Speed Ratings	3000
Limiting Speed	4000
Weight(Kg)	2.55
ISO335	
Dimensions (ABMA)	3FB
Dimensions [mm]	
d	90
d1	118
B	30
C	26
r1,2(min)	2.5
r3,4(min)	2
a	31
Abutment and fillet dimensions [mm]	
da(max)	104
db(min)	101
Da(min)	140
Da(max)	150
Db(min)	150
Ca(min)	5
Cb(min)	6.5
ra(max)	2
rb(max)	2
Value	
e	0.43
Y	1.4
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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