



# PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 8:54 (UTC)

MOTION & CONTROL  
**NSK**



## HR30316J

### Metric Series Tapered Roller Bearings

#### Dimension series

ISO	2GB	ISO355 dimension series approx.
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#### Boundary Dimensions

d	80	mm	Bore diameter
D	170	mm	Outside diameter
T	42.5	mm	Total width
B	39	mm	Width of inner ring
C	33	mm	Width of outer ring
Cup r (min.)	2.5	mm	Chamfer dimension of outer ring (Cup)
Cone r (min.)	3	mm	Chamfer dimension of inner ring (Cone)

#### Basic Load Ratings

Cr	340000	N	Basic dynamic load rating
C0r	330000	N	Basic static load rating

#### Speeds

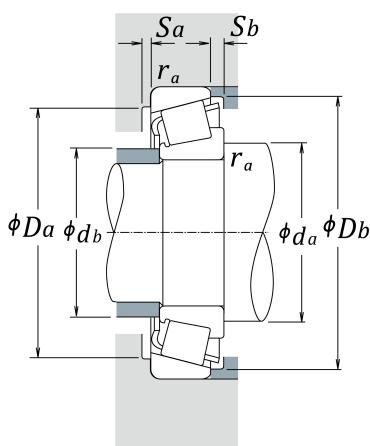
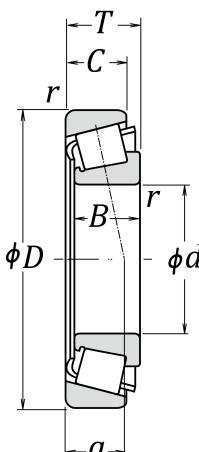
Grease	2200	min-1	Grease lubrication
Oil (Oil-bath)	3000	min-1	Oil-bath lubrication

#### Dimensions

a	34	mm	Effective load center
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#### Abutment and Fillet Dimensions

da (min.)	98	mm	Diameter of shaft abutment
Db (min.)	159	mm	Diameter of housing abutment
Da (min.)	150	mm	Diameter of housing abutment
Da (max.)	158	mm	Diameter of housing abutment
Sa	4	mm	Minimum width of space required in housing on large side face
Sb	9.5	mm	Minimum width of space required in housing on small side face
db (max.)	102	mm	Diameter of shaft abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet of inner ring
ra (max.)	2	mm	Radius of shaft or housing fillet of outer ring



#### Calculation factors

e	0.35	Constant
Y0	0.96	Axial load Factors



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Y1

1.7

Axial load Factors

## Mass

Mass approx.

4.27

kg

Mass approx.