



# PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:01 (UTC)

MOTION & CONTROL  
**NSK**



## HR32232J

### Metric Series Tapered Roller Bearings

#### Dimension series

ISO	4GD	ISO355 dimension series approx.	
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#### Boundary Dimensions

d	160	mm	Bore diameter
D	290	mm	Outside diameter
T	84	mm	Total width
B	80	mm	Width of inner ring
C	67	mm	Width of outer ring
Cup r (min.)	3	mm	Chamfer dimension of outer ring (Cup)
Cone r (min.)	4	mm	Chamfer dimension of inner ring (Cone)

#### Basic Load Ratings

Cr	975000	N	Basic dynamic load rating
C0r	1220000	N	Basic static load rating

#### Speeds

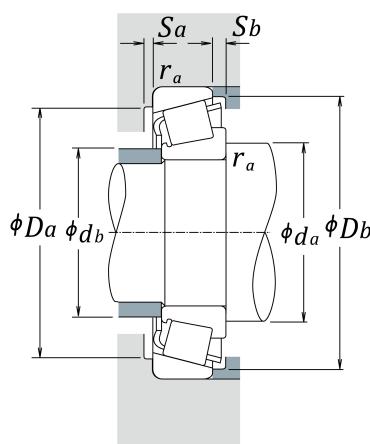
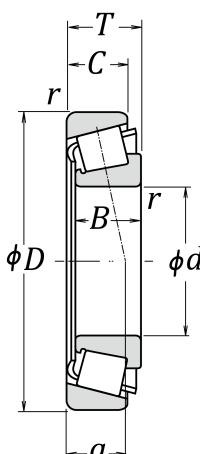
Grease	1200	min-1	Grease lubrication
Oil (Oil-bath)	1600	min-1	Oil-bath lubrication

#### Dimensions

a	70.5	mm	Effective load center
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#### Abutment and Fillet Dimensions

da (min.)	181	mm	Diameter of shaft abutment
Db (min.)	274	mm	Diameter of housing abutment
Da (min.)	243	mm	Diameter of housing abutment
Da (max.)	276	mm	Diameter of housing abutment
Sa	10	mm	Minimum width of space required in housing on large side face
Sb	17	mm	Minimum width of space required in housing on small side face
db (max.)	184	mm	Diameter of shaft abutment
ra (max.)	3	mm	Radius of shaft or housing fillet of inner ring
ra (max.)	2.5	mm	Radius of shaft or housing fillet of outer ring



#### Calculation factors

e	0.44	Constant
Y0	0.76	Axial load Factors



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Y1

1.4

Axial load Factors

## Mass

Mass approx.	22.7	kg	Mass approx.
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