



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 8:57 (UTC)

MOTION & CONTROL
NSK



HR32048XJ

Metric Series Tapered Roller Bearings

Dimension series

ISO	4FD	ISO355 dimension series approx.	
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Boundary Dimensions

d	240	mm	Bore diameter
D	360	mm	Outside diameter
T	76	mm	Total width
B	76	mm	Width of inner ring
C	57	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	1130000	N	Basic dynamic load rating
C0r	1730000	N	Basic static load rating

Speeds

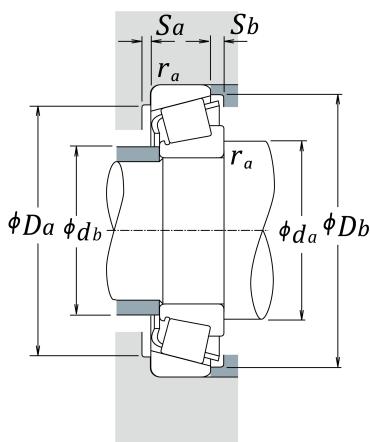
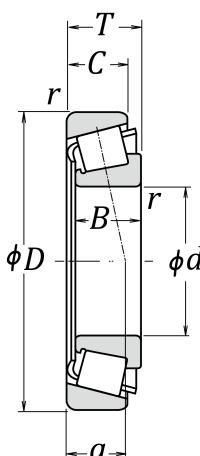
Grease	850	min-1	Grease lubrication
Oil (Oil-bath)	1200	min-1	Oil-bath lubrication

Dimensions

a	79.1	mm	Effective load center
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Abutment and Fillet Dimensions

da (min.)	261	mm	Diameter of shaft abutment
Db (min.)	346	mm	Diameter of housing abutment
Da (min.)	321	mm	Diameter of housing abutment
Da (max.)	346	mm	Diameter of housing abutment
Sa	12	mm	Minimum width of space required in housing on large side face
Sb	19	mm	Minimum width of space required in housing on small side face
db (max.)	262	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	0.46	Constant
Y0	0.72	Axial load Factors



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Y1

1.3

Axial load Factors

Mass

Mass approx.	26.2	kg	Mass approx.
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