



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 8:56 (UTC)



HR32032XJ

Metric Series Tapered Roller Bearings

Dimension series

ISO	4EC	ISO355 dimension series approx.	
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Boundary Dimensions

d	160	mm	Bore diameter
D	240	mm	Outside diameter
T	51	mm	Total width
B	51	mm	Width of inner ring
C	38	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	525000	N	Basic dynamic load rating
C0r	750000	N	Basic static load rating

Speeds

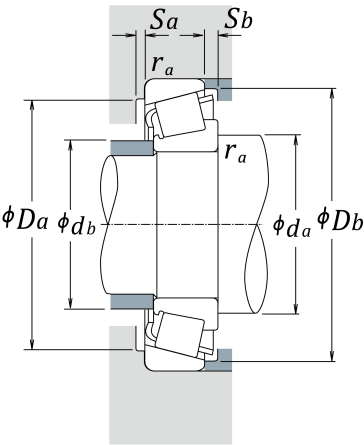
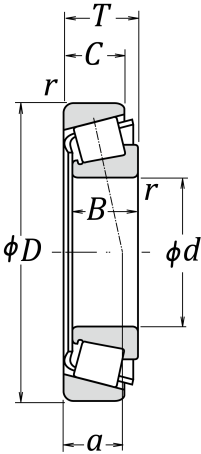
Grease	1300	min-1	Grease lubrication
Oil (Oil-bath)	1800	min-1	Oil-bath lubrication

Dimensions

a	53	mm	Effective load center
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Abutment and Fillet Dimensions

da (min.)	178	mm	Diameter of shaft abutment
Db (min.)	231	mm	Diameter of housing abutment
Da (min.)	216	mm	Diameter of housing abutment
Da (max.)	228	mm	Diameter of housing abutment
Sa	8	mm	Minimum width of space required in housing on large side face
Sb	13	mm	Minimum width of space required in housing on small side face
db (max.)	175	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	0.46	Constant
Y0	0.72	Axial load Factors



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Y1	1.3	Axial load Factors
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Mass

Mass approx.	7.93	kg	Mass approx.
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