



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 8:53 (UTC)



HR30228J

Metric Series Tapered Roller Bearings

Dimension series

ISO	4FB	ISO355 dimension series approx.	
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Boundary Dimensions

d	140	mm	Bore diameter
D	250	mm	Outside diameter
T	45.75	mm	Total width
B	42	mm	Width of inner ring
C	36	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	480000	N	Basic dynamic load rating
C0r	515000	N	Basic static load rating

Speeds

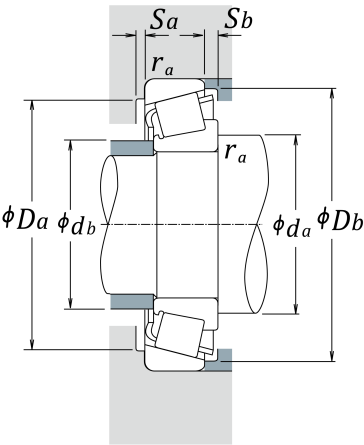
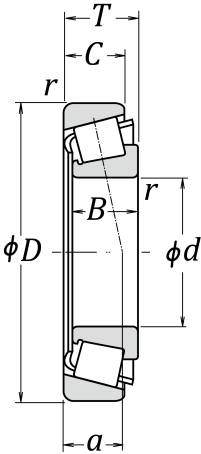
Grease	1400	min-1	Grease lubrication
Oil (Oil-bath)	1900	min-1	Oil-bath lubrication

Dimensions

a	48.9	mm	Effective load center
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Abutment and Fillet Dimensions

da (min.)	161	mm	Diameter of shaft abutment
Db (min.)	234	mm	Diameter of housing abutment
Da (min.)	221	mm	Diameter of housing abutment
Da (max.)	236	mm	Diameter of housing abutment
Sa	7	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.)	164	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
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Mass

Mass approx.	8.74	kg	Mass approx.
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