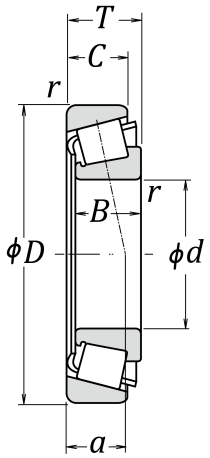
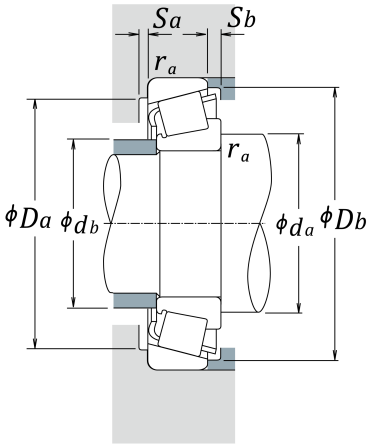


HR30212J Series

Metric Series Tapered Roller Bearings





Dimension series

ISO	3EB		ISO355 dimension series approx.

Boundary Dimensions

d	60	mm	Bore diameter
D	110	mm	Outside diameter
T	23.75	mm	Total width
B	22	mm	Width of inner ring
C	19	mm	Width of outer ring
Cup r (min.)	1.5	mm	Chamfer dimension of outer ring (Cup)
Cone r (min.)	2	mm	Chamfer dimension of inner ring (Cone)

Basic Load Ratings

C_r	127000	N	Basic dynamic load rating
C_{0r}	123000	N	Basic static load rating

Speeds

Mechanical (Jet lubrication)	6300	min^{-1}	Properly designed and controlled jet lubrication
Grease	3400	min^{-1}	Grease lubrication
Oil (Oil-bath)	4500	min^{-1}	Oil-bath lubrication

Dimensions

a	22	mm	Effective load center

Abutment and Fillet Dimensions

da (min.)	72	mm	Diameter of shaft abutment
Db (min.)	103	mm	Diameter of housing abutment
Da (min.)	96	mm	Diameter of housing abutment
Da (max.)	101	mm	Diameter of housing abutment
Sa	4	mm	Minimum width of space required in housing on large side face
Sb	4.5	mm	Minimum width of space required in housing on small side face
db (max.)	69	mm	Diameter of shaft abutment
ra (max.)	2	mm	Radius of shaft or housing fillet of inner ring
ra (max.)	1.5	mm	Radius of shaft or housing fillet of outer ring

Calculation factors

e	0.41	Constant
Y0	0.81	Axial load Factors

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Y1	1.5		Axial load Factors

Mass

(approx.)	0.93	kg

Properties

Design	J
Cage	( ): Pressed steel cage

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