



PRODUCT DATASHEET

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24040CE4

Spherical Roller Bearings

Parts Number

24040CE4C3

Boundary Dimensions

d	200	mm	Bore diameter
D	310	mm	Outside diameter
B	109	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

C _r	1430000	N	Basic dynamic load rating
C _{0r}	2120000	N	Basic static load rating

Speeds

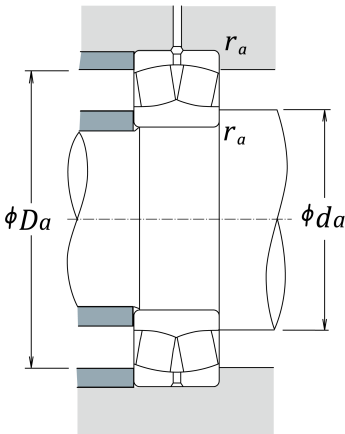
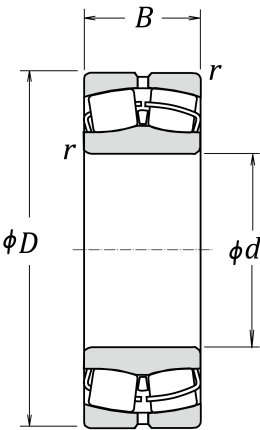
Thermal Speed Rating (Oil-bath)	1300	min ⁻¹	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2000	min ⁻¹	Properly designed and controlled forced-circulation oil lubrication
Grease	850	min ⁻¹	Grease lubrication
Oil (Oil-bath)	1100	min ⁻¹	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	212	mm	Diameter of shaft abutment
da (max.)	223	mm	Diameter of shaft abutment
Da (min.)	271	mm	Diameter of housing abutment
Da (max.)	298	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.32	Constant
Y2	3.1	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2	Axial load Factors



Mass

(approx.)	30.4	kg
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