



PRODUCT DATASHEET

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23218CE4

Spherical Roller Bearings

Boundary Dimensions

d	90	mm	Bore diameter
D	160	mm	Outside diameter
B	52.4	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	340000	N	Basic dynamic load rating
C0r	490000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	2800	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Grease	1800	min-1	Grease lubrication
Oil (Oil-bath)	2400	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	100	mm	Diameter of shaft abutment
da (max.)	105	mm	Diameter of shaft abutment
Da (min.)	138	mm	Diameter of housing abutment
Da (max.)	150	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.32	Constant
Y2	3.2	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2.1	Axial load Factors

Mass

Mass approx.	4.51	kg	Mass approx.
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