



PRODUCT DATASHEET

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22207CE4

Spherical Roller Bearings

Boundary Dimensions

d	35	mm	Bore diameter
D	72	mm	Outside diameter
B	23	mm	Width
r (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

Cr	69000	N	Basic dynamic load rating
C0r	71000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	7500	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Grease	5300	min-1	Grease lubrication
Oil (Oil-bath)	6700	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	42	mm	Diameter of shaft abutment
da (max.)	43	mm	Diameter of shaft abutment
Da (min.)	63	mm	Diameter of housing abutment
Da (max.)	65	mm	Diameter of housing abutment
ra (max.)	1	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

Mass approx.	0.42	kg	Mass approx.
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