

PRODUCT DATASHEET

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22209EAKE4

Spherical Roller Bearings

Boundary Dimensions

d	45	mm	Bore diameter		
D	85	mm	Outside diameter		
В	23	mm	Width		
r (min.)	1.1	mm	Chamfer dimension		
Basic Load Ratings					
Cr	118000	N	Basic dynamic load rating		

Basic static load rating

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C0r **Speeds**

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Thermal Speed Rating (Oil-bath)	6300	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	11000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	6000	min-1	Grease lubrication
Oil (Oil-bath)	7500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

111000

da (min.)	52	mm	Diameter of shaft abutment
da (max.)	55	mm	Diameter of shaft abutment
Da (min.)	75	mm	Diameter of housing abutment
Da (max.)	78	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Calculation factors

е	0.26		Constant
Y2	3.9		Axial load Factors
Y3	2.7		Axial load Factors
YO	2.6		Axial load Factors
Mass			
Mass approx.	0.55	kg	Mass approx.



