

PRODUCT DATASHEET

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22209EAKE4

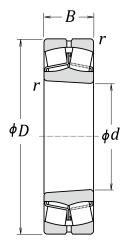
Spherical Roller Bearings

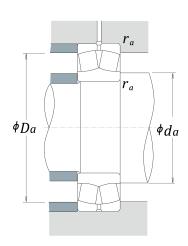
Parts Number

Mass approx.

0.55

Parts Number			
	22209EAKE4C3		
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
C0r	111000	N	Basic static load rating
Speeds			
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			
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			
e	0.26		Constant
Y2	3.9		Axial load Factors
Y3	2.7		Axial load Factors
Υ0	2.6		Axial load Factors
Mass			





Mass approx.