



PRODUCT DATASHEET

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1209K

Self-Aligning Ball Bearings

Boundary Dimensions

d	45	mm	Bore diameter
D	85	mm	Outside diameter
B	19	mm	Width
r (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

Cr	24200	N	Basic dynamic load rating
C0r	7350	N	Basic static load rating

Speeds

Grease	7100	min-1	Grease lubrication
Oil (Oil-bath)	8500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	51.5	mm	Diameter of shaft abutment
Da (max.)	78.5	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Calculation factors

e	0.21	Constant
Y2	4.7	Axial load Factors
Y3	3	Axial load Factors
Y0	3.1	Axial load Factors

Mass

Mass approx.	0.465	kg	Mass approx.
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Associated products

Adapter	H209X	Adapter
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