



PRODUCT DATASHEET

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6209

Single-Row Deep Groove 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	34500	N	Basic dynamic load rating
C0r	20400	N	Basic static load rating

Speeds

Grease	9000	min-1	Grease lubrication
Oil (Oil-bath)	11000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	51.5	mm	Diameter of shaft abutment
da (max.)	55.5	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

fo	14.4		Factor
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Additional information

z	10		Number of Balls
Dw	11.906	mm	Ball Diameter

Mass

Mass approx.	0.42	kg	Mass approx.
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