



PRODUCT DATASHEET

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6309ZZ

Single-Row Deep Groove Ball Bearings

Parts Number

6309ZZC3

Boundary Dimensions

d	45	mm	Bore diameter
D	100	mm	Outside diameter
B	25	mm	Width
r (min.)	1.5	mm	Chamfer dimension

Basic Load Ratings

Cr	58500	N	Basic dynamic load rating
C0r	32000	N	Basic static load rating

Speeds

Grease	7500	min-1	Grease lubrication
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Abutment and Fillet Dimensions

da (min.)	53	mm	Diameter of shaft abutment
da (max.)	61.5	mm	Diameter of shaft abutment
Da (max.)	92	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet
Dx (min.)	0	mm	Diameter of snap ring recess in the housing
Cy (max.)	0	mm	Distance from outer ring side face to snap ring back face

Calculation factors

fo	13.1	Factor
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Additional information

z	8	Number of Balls	
Dw	17.462	mm	Ball Diameter

Mass

Mass approx.	0.829	kg	Mass approx.
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