



PRODUCT DATASHEET

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6310

Single-Row Deep Groove Ball Bearings

Parts Number

6310C3

Boundary Dimensions

d	50	mm	Bore diameter
D	110	mm	Outside diameter
B	27	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	68000	N	Basic dynamic load rating
C0r	38500	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.)	59	mm	Diameter of shaft abutment
da (max.)	68	mm	Diameter of shaft abutment
Da (max.)	101	mm	Diameter of housing abutment
ra (max.)	2	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	13.2	Factor
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Additional information

z	8	Number of Balls	
Dw	19.05	mm	Ball Diameter

Mass

Mass approx.	1.06	kg	Mass approx.
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