



PRODUCT DATASHEET

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6311ZZ

Single-Row Deep Groove Ball Bearings

Parts Number

6311ZZC3

Boundary Dimensions

d	55	mm	Bore diameter
D	120	mm	Outside diameter
B	29	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	78500	N	Basic dynamic load rating
C0r	44500	N	Basic static load rating

Speeds

Grease	6700	min-1	Grease lubrication
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Abutment and Fillet Dimensions

da (min.)	64	mm	Diameter of shaft abutment
da (max.)	72.5	mm	Diameter of shaft abutment
Da (max.)	111	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	13.1	Factor
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Additional information

z	8	Number of Balls	
Dw	20.638	mm	Ball Diameter

Mass

Mass approx.	1.37	kg	Mass approx.
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