



6301VV

Single-Row Deep Groove Ball Bearings

Parts Number

6301VVC3

Boundary Dimensions

d	12	mm	Bore diameter
D	37	mm	Outside diameter
B	12	mm	Width
r (min.)	1	mm	Chamfer dimension

Basic Load Ratings

Cr	10700	N	Basic dynamic load rating
C0r	4200	N	Basic static load rating

Speeds

Grease	24000	min-1	Grease lubrication
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Abutment and Fillet Dimensions

da (min.)	17	mm	Diameter of shaft abutment
da (max.)	18	mm	Diameter of shaft abutment
Da (max.)	32	mm	Diameter of housing abutment
ra (max.)	1	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	11.1	Factor
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Additional information

z	6	Number of Balls
Dw	7.938	mm Ball Diameter

Mass

Mass approx.	0.06	kg	Mass approx.
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