



6314

Single-Row Deep Groove Ball Bearings



Parts Number

6314C3
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Boundary Dimensions

d	70	mm	Bore diameter
D	150	mm	Outside diameter
B	35	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	115000	N	Basic dynamic load rating
C0r	68000	N	Basic static load rating

Speeds

Grease	5300	min-1	Grease lubrication
Oil (Oil-bath)	6300	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	81	mm	Diameter of shaft abutment
da (max.)	92	mm	Diameter of shaft abutment
Da (max.)	139	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	25.4	mm	Ball Diameter

Mass

Mass approx.	2.57	kg	Mass approx.
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