

PRODUCT DATASHEET

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6314

Single-Row Deep Groove Ball Bearings

6314C3

Parts Number

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

Basic Load Ratings

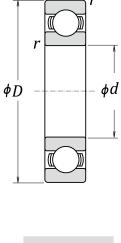
Cr	115000	N	Basic dynamic load rating	
C0r	68000	N	Basic static load rating	
Speeds				
Grease	5300	min-1	Grease lubrication	
Oil (Oil-bath)	6300	min-1	Oil-bath lubrication	

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	
Additional infor	mation			
Z	8		Number of Balls	
Dw	25.4	mm	Ball Diameter	
Mass				
Mass approx.	2.57	ka	Mass approx.	



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