



PRODUCT DATASHEET

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6306ZZ

Single-Row Deep Groove Ball Bearings

Parts Number

6306ZZC4

Boundary Dimensions

d	1.181	inch	Bore diameter
D	2.835	inch	Outside diameter
B	0.748	inch	Width
r (min.)	0.043	inch	Chamfer dimension

Basic Load Ratings

C _r	6586.904	lbf	Basic dynamic load rating
C _{0r}	3372.135	lbf	Basic static load rating

Speeds

Grease	11000	min ⁻¹	Grease lubrication
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Abutment and Fillet Dimensions

da (min.)	1.437	inch	Diameter of shaft abutment
da (max.)	1.673	inch	Diameter of shaft abutment
Da (max.)	2.579	inch	Diameter of housing abutment
ra (max.)	0.039	inch	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	13.3	Factor
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Additional information

z	8	Number of Balls	
Dw	0.469	inch	Ball Diameter

Mass

(approx.)	0.761	lbs
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