



# PRODUCT DATASHEET

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## 6305ZZ

### Single-Row Deep Groove Ball Bearings

#### Parts Number

6305ZZC4
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#### Boundary Dimensions

d	0.984	inch	Bore diameter
D	2.441	inch	Outside diameter
B	0.669	inch	Width
r (min.)	0.043	inch	Chamfer dimension

#### Basic Load Ratings

C <sub>r</sub>	5080.683	lbf	Basic dynamic load rating
C <sub>0r</sub>	2517.861	lbf	Basic static load rating

#### Speeds

Grease	13000	min <sup>-1</sup>	Grease lubrication
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#### Abutment and Fillet Dimensions

da (min.)	1.24	inch	Diameter of shaft abutment
da (max.)	1.417	inch	Diameter of shaft abutment
Da (max.)	2.185	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	13.2	Factor
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#### Additional information

z	8	Number of Balls	
Dw	0.406	inch	Ball Diameter

#### Mass

(approx.)	0.518	lbs
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