



## 6004

### Single-Row Deep Groove Ball Bearings

#### Parts Number

6004C3
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#### Boundary Dimensions

d	20	mm	Bore diameter
D	42	mm	Outside diameter
B	12	mm	Width
r (min.)	0.6	mm	Chamfer dimension

#### Basic Load Ratings

$C_r$	10300	N	Basic dynamic load rating
$C_{0r}$	5000	N	Basic static load rating

#### Speeds

Grease	20000	min <sup>-1</sup>	Grease lubrication
Oil (Oil-bath)	24000	min <sup>-1</sup>	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	24	mm	Diameter of shaft abutment
da (max.)	25.5	mm	Diameter of shaft abutment
Da (max.)	38	mm	Diameter of housing abutment
ra (max.)	0.6	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	13.8	Factor
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#### Additional information

z	9	Number of Balls	
Dw	6.35	mm	Ball Diameter

#### Mass

(approx.)	0.068	kg
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