



6012

Single-Row Deep Groove Ball Bearings

Parts Number

6012C3

Boundary Dimensions

d	60	mm	Bore diameter
D	95	mm	Outside diameter
B	18	mm	Width
r (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

C_r	32500	N	Basic dynamic load rating
C_{0r}	23200	N	Basic static load rating

Speeds

Grease	8000	min ⁻¹	Grease lubrication
Oil (Oil-bath)	9500	min ⁻¹	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	66.5	mm	Diameter of shaft abutment
da (max.)	69	mm	Diameter of shaft abutment
Da (max.)	88.5	mm	Diameter of housing abutment
ra (max.)	1	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	15.6	Factor
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Additional information

z	14	Number of Balls
Dw	10.319	mm Ball Diameter

Mass

(approx.)	0.412	kg
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