



PRODUCT DATASHEET

Datasheet creation date: 2025/07/09 7:44 (UTC)



6301

Single-Row Deep Groove Ball Bearings



Boundary Dimensions

d	12	mm	Bore diameter
D	37	mm	Outside diameter
B	12	mm	Width
r (min.)	1	mm	Chamfer dimension

Basic Load Ratings

Cr	10700	N	Basic dynamic load rating
C0r	4200	N	Basic static load rating

Speeds

Grease	24000	min-1	Grease lubrication
Oil (Oil-bath)	28000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	17	mm	Diameter of shaft abutment
da (max.)	18	mm	Diameter of shaft abutment
Da (max.)	32	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Calculation factors

fo	11.1		Factor
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Additional information

z	6		Number of Balls
Dw	7.938	mm	Ball Diameter

Mass

Mass approx.	0.06	kg	Mass approx.
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