



PRODUCT DATASHEET

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6001

Single-Row Deep Groove Ball Bearings



Boundary Dimensions

d	12	mm	Bore diameter
D	28	mm	Outside diameter
B	8	mm	Width
r (min.)	0.3	mm	Chamfer dimension

Basic Load Ratings

Cr	5600	N	Basic dynamic load rating
C0r	2370	N	Basic static load rating

Speeds

Grease	32000	min-1	Grease lubrication
Oil (Oil-bath)	38000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	14	mm	Diameter of shaft abutment
da (max.)	15.5	mm	Diameter of shaft abutment
Da (max.)	26	mm	Diameter of housing abutment
ra (max.)	0.3	mm	Radius of shaft or housing fillet

Calculation factors

fo	13		Factor
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Additional information

z	8		Number of Balls
Dw	4.762	mm	Ball Diameter

Mass

Mass approx.	0.022	kg	Mass approx.
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