



6309

Single-Row Deep Groove Ball Bearings



Boundary Dimensions

d	45	mm	Bore diameter
D	100	mm	Outside diameter
B	25	mm	Width
r (min.)	1.5	mm	Chamfer dimension

Basic Load Ratings

Cr	58500	N	Basic dynamic load rating
C0r	32000	N	Basic static load rating

Speeds

Grease	7500	min-1	Grease lubrication
Oil (Oil-bath)	9500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	53	mm	Diameter of shaft abutment
da (max.)	61.5	mm	Diameter of shaft abutment
Da (max.)	92	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet

Calculation factors

fo	13.1		Factor
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Additional information

z	8		Number of Balls
Dw	17.462	mm	Ball Diameter

Mass

Mass approx.	0.829	kg	Mass approx.
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