



1309  
Self-Aligning 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	42000	N	Basic dynamic load rating
C0r	12700	N	Basic static load rating

Speeds

Grease	6000	min-1	Grease lubrication
Oil (Oil-bath)	7500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	53	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

e	0.25	Constant
Y2	4	Axial load Factors
Y3	2.6	Axial load Factors
Y0	2.7	Axial load Factors

Mass

Mass approx.	0.955	kg	Mass approx.
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