



PRODUCT DATASHEET

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7309BEAT85

Single-Row Angular Contact Ball Bearings

Parts Number

7309BEAT85SUCNB

Boundary Dimensions

d	45	mm	Bore diameter
D	100	mm	Outside diameter
B	25	mm	Width
r (min.)	1.5	mm	Chamfer dimension
r1 (min.)	1	mm	Chamfer dimension

Basic Load Ratings

Cr	65500	N	Basic dynamic load rating
C0r	39500	N	Basic static load rating

Speeds

Grease	6300	min-1	Grease lubrication
Oil (Oil-bath)	9000	min-1	Oil-bath lubrication

Dimensions

a	42.9	mm	Effective load center
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Abutment and Fillet Dimensions

da (min.)	54	mm	Diameter of shaft abutment
Da (max.)	91	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet

Mass

Mass approx.	0.823	kg	Mass approx.
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