



PRODUCT DATASHEET

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7209BEAT85

Single-Row Angular Contact Ball Bearings

Boundary Dimensions

d	45	mm	Bore diameter
D	85	mm	Outside diameter
B	19	mm	Width
r (min.)	1.1	mm	Chamfer dimension
r1 (min.)	0.6	mm	Chamfer dimension

Basic Load Ratings

Cr	42500	N	Basic dynamic load rating
C0r	27100	N	Basic static load rating

Speeds

Grease	7100	min-1	Grease lubrication
Oil (Oil-bath)	10000	min-1	Oil-bath lubrication

Dimensions

a	36.8	mm	Effective load center
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Abutment and Fillet Dimensions

da (min.)	52	mm	Diameter of shaft abutment
Da (max.)	78	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Mass

Mass approx.	0.4	kg	Mass approx.
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