



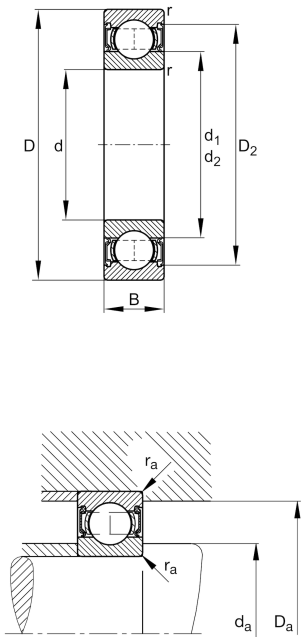
FAG

63007-A-2RSR-C3

Deep groove ball bearing

Deep groove ball bearing 630..-A-2RSR, single row, seals, steel sheet metal cage

Technical information



Your current product variant

Changed internal design	A	Design variant A
Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	62 mm	Outside diameter
B	20 mm	Width
C _r	15,980 N	Basic dynamic load rating, radial
C _{0r}	10,280 N	Basic static load rating, radial
C _{ur}	690 N	Fatigue load limit, radial
n _G	6,100 1/min	Limiting speed
≈m	0.212 kg	Weight



Mounting dimensions

$d_{a\min}$	39.6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	57.4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	53.63 mm	Shoulder diameter outer ring
D_2	56.03 mm	Caliber diameter outer ring
d_1	43.5 mm	Shoulder diameter inner ring


Temperature range


T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.


Calculation factors


f_0	14.9	Calculation factor
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Characteristics


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Radial load
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Axial load in one direction
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Axial load in two directions
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Lifetime lubrication, freedom from maintenance
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Grease Lubrication
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Sealed on both sides