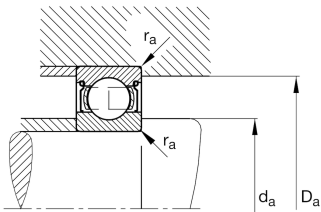
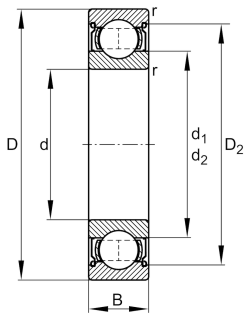


**FAG****6007-2Z**

Deep groove ball bearing

Deep groove ball bearing 60...-2Z, single row, shields, steel sheet metal cage

Technical information



Your current product variant

Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	62 mm	Outside diameter
B	14 mm	Width
C _r	17,000 N	Basic dynamic load rating, radial
C _{0r}	10,300 N	Basic static load rating, radial
C _{ur}	560 N	Fatigue load limit, radial
n _G	13,700 1/min	Limiting speed
n _{gr}	11,700 1/min	Reference speed
≈m	0.152 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
$D_{\ 1}$	53.1 mm	Shoulder diameter outer ring
$D_{\ 2}$	55.4 mm	Caliber diameter outer ring
$d_{\ 1}$	43.2 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	14.9	Calculation factor
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Characteristics

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