

**FAG****6003-2RSR-C4**

Deep groove ball bearing

Deep groove ball bearing 60...-2RSR, single row, seals, steel sheet metal cage

Technical information



Your current product variant

Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	10 mm	Width
C _r	6.400 N	Basic dynamic load rating, radial
C _{0r}	3.250 N	Basic static load rating, radial
C _{ur}	162 N	Fatigue load limit, radial
n _G	11.800 1/min	Limiting speed
m	39,1 g	Weight

Mounting dimensions

d _{a min}	19 mm	Minimum diameter shaft shoulder
D _{a max}	33 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum fillet radius



Dimensions

r_{\min}	0,3 mm	Minimum chamfer dimension
D_1	29,51 mm	Shoulder diameter outer ring
D_2	30,81 mm	Caliber diameter outer ring
d_1	22,65 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	14,3	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