

**FAG****6306-2Z-L207-C4**

Deep groove ball bearing

Deep groove ball bearing 63...2Z, single row, shields, steel sheet metal cage

Technical information

**Your current product variant**

Type of Seal	2Z	Non-contact shield 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	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	19 mm	Width
C _r	30.500 N	Basic dynamic load rating, radial
C _{0r}	16.200 N	Basic static load rating, radial
C _{ur}	1.050 N	Fatigue load limit, radial
n _G	11.700 1/min	Limiting speed
n _{gr}	10.500 1/min	Reference speed
m	0,353 kg	Weight



Mounting dimensions

$d_{a \min}$	37 mm	Minimum diameter shaft shoulder
$D_{a \max}$	65 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	59,62 mm	Shoulder diameter outer ring
D_2	61,58 mm	Caliber diameter outer ring
d_1	44,6 mm	Shoulder diameter inner ring







Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	13	Calculation factor
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Characteristics

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