

**FAG****16006-A-2Z-C3**

Deep groove ball bearing

Deep groove ball bearing 160..-A-2Z, single row, shields, steel sheet metal cage

Technical information



Your current product variant

Changed internal design	A	Design variant A
Sealing	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	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	9 mm	Width
C_r	11,900 N	Basic dynamic load rating, radial
C_{0r}	7,400 N	Basic static load rating, radial
C_{ur}	470 N	Fatigue load limit, radial
n_G	15,700 1/min	Limiting speed
n_{gr}	10,000 1/min	Reference speed
m	85 g	Weight



Mounting dimensions

$d_{a \min}$	32 mm	Minimum diameter shaft shoulder
$D_{a \max}$	53 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	47.85 mm	Shoulder diameter outer ring
D_2	50.4 mm	Caliber diameter outer ring
d_1	39.15 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	15.3	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