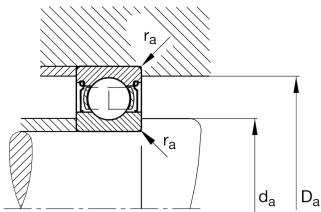
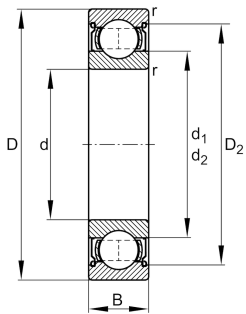


**FAG****16101-A-2Z**

Deep groove ball bearing

Deep groove ball bearing 161...-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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	30 mm	Outside diameter
B	8 mm	Width
C _r	5.400 N	Basic dynamic load rating, radial
C _{0r}	2.370 N	Basic static load rating, radial
C _{ur}	161 N	Fatigue load limit, radial
n _G	32.500 1/min	Limiting speed
n _{gr}	25.000 1/min	Reference speed
≈m	27,2 g	Weight



Mounting dimensions

$d_{a\min}$	14,4 mm	Minimum diameter shaft shoulder
$D_{a\max}$	27,6 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	23,43 mm	Shoulder diameter outer ring
D_2	25,7 mm	Caliber diameter outer ring
d_1	17,2 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	13,1	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