



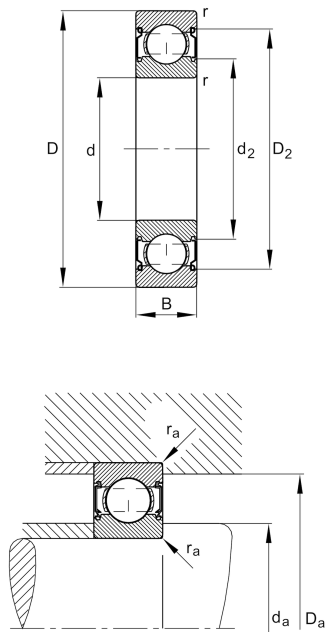
FAG

6006-C-2Z-L038>V

Deep groove ball bearing

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

Technical information



Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Type of Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L038	Grease (L038/customer specific)
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	13 mm	Width
C _r	14.500 N	Basic dynamic load rating, radial
C _{0r}	8.300 N	Basic static load rating, radial
C _{ur}	500 N	Fatigue load limit, radial
n _G	17.100 1/min	Limiting speed
n _{gr}	13.800 1/min	Reference speed
m	0,12 kg	Weight



Mounting dimensions

$d_{a\min}$	34,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	50,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	48 mm	Shoulder diameter outer ring
D_2	50,22 mm	Caliber diameter outer ring
d_1	38 mm	Shoulder diameter inner ring
d_2	36,67 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f_0	14,8	Calculation factor
-------	------	--------------------

Characteristics

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