

**FAG****6218-C4**

Deep groove ball bearing

Deep groove ball bearing 62, single row, steel sheet metal cage

Technical information

**Your current product variant**

Type of Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	30 mm	Width
C_r	102.000 N	Basic dynamic load rating, radial
C_{0r}	74.000 N	Basic static load rating, radial
C_{ur}	4.500 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	5.100 1/min	Reference speed
m	2,189 kg	Weight



Mounting dimensions

$d_{a \min}$	101 mm	Minimum diameter shaft shoulder
$D_{a \max}$	149 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	138,84 mm	Shoulder diameter outer ring
d_1	112,6 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Calculation factors

f_0	14,6	Calculation factor
-------	------	--------------------

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed