

**FAG****6030-M**

Deep groove ball bearing

Deep groove ball bearing 60.-M, single row, solid brass cage

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	225 mm	Outside diameter
B	35 mm	Width
C_r	131,000 N	Basic dynamic load rating, radial
C_{0r}	124,000 N	Basic static load rating, radial
C_{ur}	5,600 N	Fatigue load limit, radial
n_G	5,100 1/min	Limiting speed
n_{gr}	3,850 1/min	Reference speed
m	4,894 kg	Weight



Mounting dimensions

$d_{a \min}$	160.2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	214.8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2.1 mm	Maximum fillet radius

Dimensions

r_{\min}	2.1 mm	Minimum chamfer dimension
D_1	201.42 mm	Shoulder diameter outer ring
d_1	174.36 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	16	Calculation factor
-------	----	--------------------

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed