View product details on medias

13.06.2026, 20:32:21 KST

SCHAEFFLER

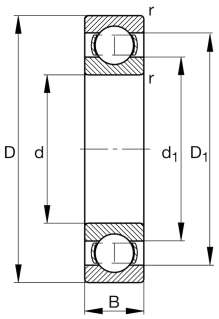
FAG

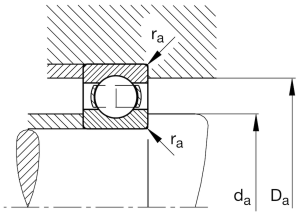
6228-C3

Deep groove ball bearing

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

Technical information





Your current product variant

Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	250 mm	Outside diameter
B	42 mm	Width
C_r	188.000 N	Basic dynamic load rating, radial
C_{0r}	165.000 N	Basic static load rating, radial
C_{ur}	8.400 N	Fatigue load limit, radial
n_G	3.600 1/min	Limiting speed
$n_{\vartheta r}$	3.600 1/min	Reference speed
≈m	7,804 kg	Weight

Mounting dimensions

$d_{a\ min}$	154 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	236 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	213,8 mm	Shoulder diameter outer ring
d_1	175,9 mm	Shoulder diameter inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

f_0	14,9	Calculation factor

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed