

IMAGE
COMING SOON

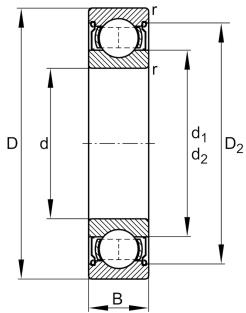
FAG

F604-2Z-HLC [↗](#)

Deep groove ball bearing

Deep groove ball bearing F60..-2Z, single row, with flange, shields, steel sheet metal cage

Technical information



Your current product variant

Logistical code	HLC	-
Cage	JN	Steel sheet metal
Design, bearing outer ring	F	Flange
Sealing	2Z	Non-contact shield on both sides
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

Main Dimensions & Performance Data

d	4 mm	Bore diameter
D	12 mm	Outside diameter
B	4 mm	Width
C _r	959 N	Basic dynamic load rating, radial
C _{0r}	347 N	Basic static load rating, radial
C _{ur}	9,3 N	Fatigue load limit, radial
n _G	69.000 1/min	Limiting speed
n _{gr}	55.000 1/min	Reference speed
≈m	2,57 g	Weight



Dimensions

r_{\min}	0,2 mm	Minimum chamfer dimension
D_1	8,95 mm	Shoulder diameter outer ring
D_2	9,85 mm	Caliber diameter outer ring
d_1	6,15 mm	Shoulder diameter inner ring
d_2	5,6 mm	Caliber diameter inner ring
B_f	1 mm	Width flange
D_f	13,5 mm	Outer diameter flange







Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	12,4	Calculation factor
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Characteristics

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