

IMAGE  
COMING SOON

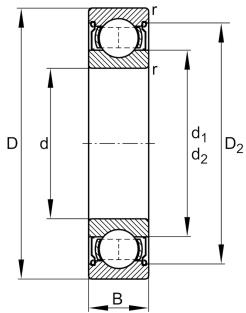
FAG

**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 &amp; Performance Data

d	4 mm	Bore diameter
D	12 mm	Outside diameter
B	4 mm	Width
C <sub>r</sub>	959 N	Basic dynamic load rating, radial
C <sub>0r</sub>	347 N	Basic static load rating, radial
C <sub>ur</sub>	9,3 N	Fatigue load limit, radial
n <sub>G</sub>	69.000 1/min	Limiting speed
n <sub>gr</sub>	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