

**FAG****3212-BD-XL-C3**

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL,
double row, X-life, steel sheet metal cage**X-life**

Technical information



Your current product variant

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	Without	Not sealed
Cage	JH	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	36,5 mm	Width
C_r	75.000 N	Basic dynamic load rating, radial
C_{0r}	64.000 N	Basic static load rating, radial
C_{ur}	4.400 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
n_{gr}	6.700 1/min	Reference speed
$\approx m$	1,282 kg	Weight



Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	97,02 mm	Shoulder diameter outer ring
d_1	78,99 mm	Shoulder diameter inner ring
a	64,7 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

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

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed