

**FAG****3211-BD-XL**

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
Type of Sealing	Without	Not sealed
Cage	JH	Steel sheet metal
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	33,3 mm	Width
C _r	61.000 N	Basic dynamic load rating, radial
C _{0r}	51.000 N	Basic static load rating, radial
C _{ur}	3.550 N	Fatigue load limit, radial
n _G	7.100 1/min	Limiting speed
n _{gr}	7.200 1/min	Reference speed
≈m	0,957 kg	Weight



Mounting dimensions

$d_{a \min}$	64 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 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	87,78 mm	Shoulder diameter outer ring
d_1	71,6 mm	Shoulder diameter inner ring
a	58,4 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