

**FAG****3310-BD-XL-2HRS-C3**

Angular contact ball bearing



Angular contact ball bearing 33..-BD-XL-2HRS, double row, X-life, seals, 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	2HRS	Contact seal on both sides
Cage	JH	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	44,4 mm	Width
C _r	93.000 N	Basic dynamic load rating, radial
C _{0r}	70.000 N	Basic static load rating, radial
C _{ur}	4.850 N	Fatigue load limit, radial
n _G	4.900 1/min	Limiting speed
≈m	1,82 kg	Weight



Mounting dimensions

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	93,26 mm	Shoulder diameter outer ring
D_2	96,75 mm	Caliber diameter outer ring
d_1	71,47 mm	Shoulder diameter inner ring
d_2	69,05 mm	Caliber diameter inner ring
a	64,2 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Characteristics

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