



FAG



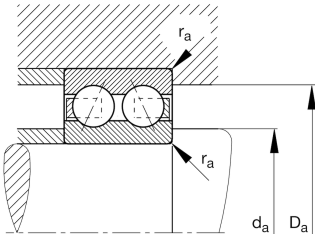
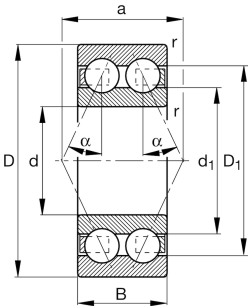
X-life

3310-BD-XL-TVH

Angular contact ball bearing

Angular contact ball bearing 33...BD-XL-TVH, double row, X-life, plastic cage

Technical information



Your current product variant

Design variant	B	Bearing without filling slot
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
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)

n.r.

	D	Design variant
≈m	1.75 kg	Weight



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	6,500 1/min	Limiting speed
n _{gr}	6,300 1/min	Reference speed

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 ₁	71.47 mm	Shoulder diameter inner ring
a	64.2 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed