

**FAG****3311-BD-XL-TVH-L285-C3**

Angular contact ball bearing

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

Technical information



Your current product variant

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Type of Seal	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L285	Grease (L285/customer specific)
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	49,2 mm	Width
C _r	116.000 N	Basic dynamic load rating, radial
C _{0r}	88.000 N	Basic static load rating, radial
C _{ur}	6.100 N	Fatigue load limit, radial
n _G	5.800 1/min	Limiting speed
n _{gr}	5.900 1/min	Reference speed
m	2,252 kg	Weight



Mounting dimensions

$d_{a \min}$	66 mm	Minimum diameter shaft shoulder
$D_{a \max}$	109 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius






Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	103,3 mm	Shoulder diameter outer ring
D_2	106,78 mm	Caliber diameter outer ring
d_1	78,77 mm	Shoulder diameter inner ring
d_2	76,35 mm	Caliber diameter inner ring
a	71,4 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T_{\min}	-20 °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
-  Not sealed