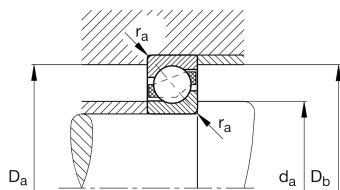


**FAG****X-life****7311-B-XL-TVP** [🔗](#)

Angular contact ball bearing

Angular contact ball bearing 73...-B-XL-TVP,
single row, X-life, plastic cage

Technical information



Your current product variant

Design variant	B	B
Type of Seal	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	91.000 N	Basic dynamic load rating, radial
C _{0r}	61.000 N	Basic static load rating, radial
C _{ur}	4.250 N	Fatigue load limit, radial
n _G	7.700 1/min	Limiting speed
n _{gr}	5.600 1/min	Reference speed
≈m	1,38 kg	Weight



Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	114,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\ min}$	1 mm	Minimum chamfer dimension
D_1	95,3 mm	Shoulder diameter on outer ring wide side face
d_1	80,3 mm	Shoulder diameter on inner ring wide side face
a	51,2 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed