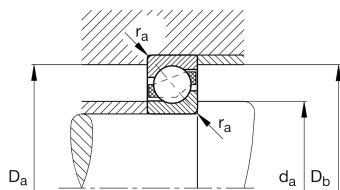


**FAG****X-life****7318-B-XL-TVP-UA**

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
Sealing	Without	Not sealed
Cage	TVP	solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UA	bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C _r	171,000 N	Basic dynamic load rating, radial
C _{0r}	144,000 N	Basic static load rating, radial
C _{ur}	8,400 N	Fatigue load limit, radial
n _G	4,650 1/min	Limiting speed
n _{gr}	3,950 1/min	Reference speed
≈m	4.965 kg	Weight



Mounting dimensions

$d_{a\ min}$	104 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	176 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	183 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2.5 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\ min}$	3 mm	Minimum chamfer dimension
$r_{1\ min}$	1.1 mm	Minimum chamfer dimension
D_1	152.14 mm	Shoulder diameter on outer ring wide side face
d_1	130.3 mm	Shoulder diameter on inner ring wide side face
a	80.2 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.

Additional information

$A_{\ min}$	54 µm	Axial clearance per set min.
Tol (+)	12 µm	Tolerance for axial clearance or preload per set

Characteristics

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