

**FAG****X-life****7216-B-XL-TVP** [🔗](#)

Angular contact ball bearing

Angular contact ball bearing 72...-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	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
C _r	85.000 N	Basic dynamic load rating, radial
C _{0r}	72.000 N	Basic static load rating, radial
C _{ur}	4.800 N	Fatigue load limit, radial
n _G	6.400 1/min	Limiting speed
n _{gr}	4.950 1/min	Reference speed
≈m	1,42 kg	Weight



Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	129 mm	Maximum diameter of housing shoulder
$D_{b \max}$	134,4 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	117,24 mm	Shoulder diameter on outer ring wide side face
d_1	102,9 mm	Shoulder diameter on inner ring wide side face
a	59,2 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

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed