



FAG



X-life

7212-B-XL-2RS-TVP-UL

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

Technical information



Your current product variant

Design variant	B	B
Type of Seal	2RS	Contact seal on both sides
Cage	TVP	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°
Bearing with matched conditions for fitting in pairs	UL	Bearing set with light preload
Lubricant	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	22 mm	Width
C _r	62.000 N	Basic dynamic load rating, radial
C _{0r}	45.000 N	Basic static load rating, radial
C _{ur}	3.150 N	Fatigue load limit, radial
n _G	3.450 1/min	Limiting speed
≈m	0,795 kg	Weight



Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$D_{b \max}$	104,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	1 mm	Minimum chamfer dimension
D_1	90,84 mm	Shoulder diameter on outer ring wide side face
D_2	94,36 mm	Caliber diameter on outer ring wide side face
D_3	103,42 mm	Caliber diameter on outer ring small side face
d_1	80,32 mm	Shoulder diameter on inner ring wide side face
d_2	75,26 mm	Caliber diameter on inner ring wide side face
a	46,7 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Additional information

V_{\max}	-8 μm	Preload per set max.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set
$F_{V \max}$	431 N	Preload force



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides