



FAG

**7202-B-XL-2RS-TVP-UA**

Angular contact ball bearing

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

X-life

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	UA	Bearing set with small axial internal clearance
Lubricant	GA14	Ball bearing grease, low noise

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C _r	8.900 N	Basic dynamic load rating, radial
C _{0r}	4.450 N	Basic static load rating, radial
C _{ur}	305 N	Fatigue load limit, radial
n _G	12.800 1/min	Limiting speed
≈m	0,046 kg	Weight



Mounting dimensions

$d_{a \min}$	19,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	30,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	32,6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0,3 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
$r_{1 \min}$	0,3 mm	Minimum chamfer dimension
D_1	27,63 mm	Shoulder diameter on outer ring wide side face
D_2	29,19 mm	Caliber diameter on outer ring wide side face
D_3	32,1 mm	Caliber diameter on outer ring small side face
d_1	22,76 mm	Shoulder diameter on inner ring wide side face
d_2	19,7 mm	Caliber diameter on inner ring wide side face
a	16 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

A_{\min}	24 μm	Axial clearance per set min.
Tol (+)	8 μm	Tolerance for axial clearance or preload per set



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides