

**FAG****X-life****7214-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	PN	Normal (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	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
C_r	74.000 N	Basic dynamic load rating, radial
C_{0r}	62.000 N	Basic static load rating, radial
C_{ur}	4.300 N	Fatigue load limit, radial
n_G	3.000 1/min	Limiting speed
m	1,081 kg	Weight



Mounting dimensions

$d_{a \min}$	79 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	116 mm	Maximum diameter of housing shoulder
$D_{b \max}$	119,4 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	104,04 mm	Shoulder diameter on outer ring wide side face
D_2	107,56 mm	Caliber diameter on outer ring wide side face
D_3	117,9 mm	Caliber diameter on outer ring small side face
d_1	92,32 mm	Shoulder diameter on inner ring wide side face
d_2	87,26 mm	Caliber diameter on inner ring wide side face
a	52,9 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
$F_{V \max}$	535 N	Preload force



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides