



FAG

**7204-B-XL-2RS-TVP-UO**

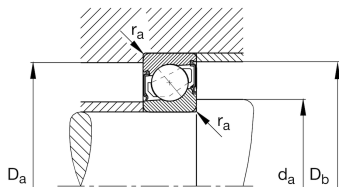
Angular contact ball bearing

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	UO	Bearing set clearance-free in O or X arrangement
Lubricant	GA14	Ball bearing grease, low noise

## Main Dimensions &amp; Performance Data

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C <sub>r</sub>	14.900 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.800 N	Basic static load rating, radial
C <sub>ur</sub>	540 N	Fatigue load limit, radial
n <sub>G</sub>	9.500 1/min	Limiting speed
m	0,11 kg	Weight



### Mounting dimensions

$d_{a \min}$	25,6 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	41,4 mm	Maximum diameter of housing shoulder
$D_{b \max}$	42,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	0,6 mm	Maximum fillet radius of housing

### Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$r_{1 \min}$	0,6 mm	Minimum chamfer dimension
$D_1$	37,04 mm	Shoulder diameter on outer ring wide side face
$D_2$	39,18 mm	Caliber diameter on outer ring wide side face
$D_3$	43,04 mm	Caliber diameter on outer ring small side face
$d_1$	30,54 mm	Shoulder diameter on inner ring wide side face
$d_2$	26,83 mm	Caliber diameter on inner ring wide side face
$a$	21,1 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

### Temperature range

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

### Additional information

$A_{\min}$	0 $\mu\text{m}$	Axial clearance per set min.
Tol (+)	8 $\mu\text{m}$	Tolerance for axial clearance or preload per set



### Characteristics

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Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides