

**FAG****7209-B-XL-2RS-TVP**

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
Sealing	2RS	Contact seal on both sides
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
$C_r$	40,000 N	Basic dynamic load rating, radial
$C_{0r}$	27,000 N	Basic static load rating, radial
$C_{ur}$	1,870 N	Fatigue load limit, radial
$n_G$	4,550 1/min	Limiting speed
$\approx m$	0.414 kg	Weight



### Mounting dimensions

$d_{a \min}$	52 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	78 mm	Maximum diameter of housing shoulder
$D_{b \max}$	80.8 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

$r_{\min}$	1.1 mm	Minimum chamfer dimension
$r_{1 \min}$	0.6 mm	Minimum chamfer dimension
$D_1$	69.78 mm	Shoulder diameter on outer ring wide side face
$D_2$	72.4 mm	Caliber diameter on outer ring wide side face
$D_3$	79.62 mm	Caliber diameter on outer ring small side face
$d_1$	61.19 mm	Shoulder diameter on inner ring wide side face
$d_2$	56.78 mm	Caliber diameter on inner ring wide side face
$a$	36.8 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.

### Characteristics

	Radial load
	Axial load in one direction
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides