

**FAG****7202-B-XL-2RS-TVP-P5-UL**

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	P5	Class5 (P5), better than P6
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	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
$\alpha$	40 °	Contact angle

### Temperature range

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

### Additional information

$V_{\max}$	-4 $\mu\text{m}$	Preload per set max.
Tol (+)	6 $\mu\text{m}$	Tolerance for axial clearance or preload per set
$F_{V \max}$	62 N	Preload force



### Characteristics

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Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides