

**FAG****7203-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
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°
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	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
$C_r$	11.200 N	Basic dynamic load rating, radial
$C_{0r}$	5.700 N	Basic static load rating, radial
$C_{ur}$	395 N	Fatigue load limit, radial
$n_G$	11.100 1/min	Limiting speed
$m$	0,067 kg	Weight



### Mounting dimensions

$d_{a \min}$	21,2 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	35,8 mm	Maximum diameter of housing shoulder
$D_{b \max}$	37,6 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
$D_1$	31,46 mm	Shoulder diameter on outer ring wide side face
$D_2$	33,05 mm	Caliber diameter on outer ring wide side face
$D_3$	36,34 mm	Caliber diameter on outer ring small side face
$d_1$	25,99 mm	Shoulder diameter on inner ring wide side face
$d_2$	22,93 mm	Caliber diameter on inner ring wide side face
$a$	18 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