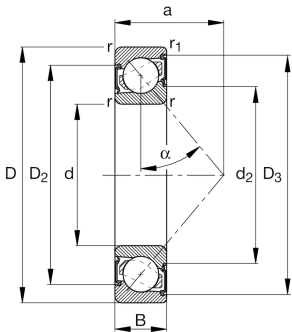


**FAG****X-life****7205-B-XL-RSO-TVP-UO**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-RSO-TVP, single row, X-life, seal, plastic cage

## Technical information

**Your current product variant**

Design variant	B	B
Sealing	RSO	Contact seal on one side for O-arrangement
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	Without	Bearing not greased

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
$C_r$	16.200 N	Basic dynamic load rating, radial
$C_{0r}$	9.000 N	Basic static load rating, radial
$C_{ur}$	620 N	Fatigue load limit, radial
$n_G$	8.000 1/min	Limiting speed
$\approx m$	0,126 kg	Weight



### Mounting dimensions

$d_{a \min}$	30,6 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	46,4 mm	Maximum diameter of housing shoulder
$D_{b \max}$	47,8 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
$D_1$	42,02 mm	Shoulder diameter on outer ring wide side face
$D_2$	44,13 mm	Caliber diameter on outer ring wide side face
$D_3$	48 mm	Caliber diameter on outer ring small side face
$d_1$	35,54 mm	Shoulder diameter on inner ring wide side face
$d_2$	31,83 mm	Caliber diameter on inner ring wide side face
$a$	23,7 mm	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

### Temperature range

$T_{\min}$	-30 °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

---

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Sealed on one side