

**FAG****X-life****7208-B-XL-2RS-TVP-UL**

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

## 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	UL	Bearing set with light preload
Lubricant	GA13	Ball bearing and insert bearing grease

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
$C_r$	36.000 N	Basic dynamic load rating, radial
$C_{0r}$	23.500 N	Basic static load rating, radial
$C_{ur}$	1.630 N	Fatigue load limit, radial
$n_G$	5.000 1/min	Limiting speed
$m$	0,373 kg	Weight



### Mounting dimensions

$d_{a \min}$	47 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$D_{b \max}$	75,8 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
$D_1$	64,4 mm	Shoulder diameter on outer ring wide side face
$D_2$	66,98 mm	Caliber diameter on outer ring wide side face
$D_3$	73,82 mm	Caliber diameter on outer ring small side face
$d_1$	56,42 mm	Shoulder diameter on inner ring wide side face
$d_2$	52,01 mm	Caliber diameter on inner ring wide side face
$a$	34,2 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

$V_{\max}$	-6 $\mu\text{m}$	Preload per set max.
Tol (+)	8 $\mu\text{m}$	Tolerance for axial clearance or preload per set
$F_{V \max}$	246 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