

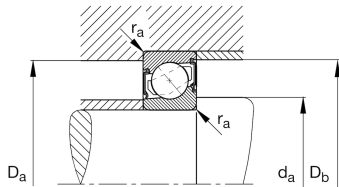
**FAG****7312-B-XL-2RS-JP-L431**

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-2RS-TVP, single row, X-life, seals, steel sheet metal cage

**X-life**

## Technical information



## Your current product variant

Design variant	B	B
Sealing	2RS	Contact seal on both sides
Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L431	Grease (L431/customer specific)

## Main Dimensions &amp; Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C <sub>r</sub>	96.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	69.000 N	Basic static load rating, radial
C <sub>ur</sub>	4.750 N	Fatigue load limit, radial
n <sub>G</sub>	3.150 1/min	Limiting speed
≈m	1,803 kg	Weight



### Mounting dimensions

$d_{a \min}$	72 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	118 mm	Maximum diameter of housing shoulder
$D_{b \max}$	123 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
$D_1$	103,4 mm	Shoulder diameter on outer ring wide side face
$D_2$	106,86 mm	Caliber diameter on outer ring wide side face
$D_3$	119,68 mm	Caliber diameter on outer ring small side face
$d_1$	87,3 mm	Shoulder diameter on inner ring wide side face
$d_2$	83,1 mm	Caliber diameter on inner ring wide side face
$a$	55,4 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.

### Characteristics

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