

**FAG****3206-BD-XL-C3**

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL,  
double row, X-life, steel sheet metal cage**X-life**

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	Without	Not sealed
Cage	JH	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Axial internal clearance	C3	Group 3 (C3), bigger than CN

## Main Dimensions &amp; Performance Data

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	23,8 mm	Width
$C_r$	31.000 N	Basic dynamic load rating, radial
$C_{0r}$	22.200 N	Basic static load rating, radial
$C_{ur}$	1.540 N	Fatigue load limit, radial
$n_G$	11.900 1/min	Limiting speed
$n_{gr}$	11.100 1/min	Reference speed
$\approx m$	0,285 kg	Weight



### Mounting dimensions

$d_{a \min}$	35,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	56,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	53,3 mm	Shoulder diameter outer ring
$D_2$	55,84 mm	Caliber diameter outer ring
$d_1$	42,2 mm	Shoulder diameter inner ring
$d_2$	40,33 mm	Caliber diameter inner ring
$a$	36,4 mm	Distance between the apexes of the pressure cones
$\alpha$	30 °	Contact angle

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed