

**FAG****3202-BD-XL-2Z-C3**

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL-2Z, double row, X-life, shields, 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	2Z	Non-contact shield on both sides
Cage	JH	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	C3	Group 3 (C3), bigger than CN

## Main Dimensions &amp; Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	15,9 mm	Width
C <sub>r</sub>	12.600 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.400 N	Basic static load rating, radial
C <sub>ur</sub>	520 N	Fatigue load limit, radial
n <sub>G</sub>	16.700 1/min	Limiting speed
n <sub>gr</sub>	18.500 1/min	Reference speed
≈m	0,066 kg	Weight



### Mounting dimensions

$d_{a \min}$	19,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
$D_1$	29,35 mm	Shoulder diameter outer ring
$D_2$	31,13 mm	Caliber diameter outer ring
$d_1$	22,2 mm	Shoulder diameter inner ring
$d_2$	20,96 mm	Caliber diameter inner ring
$a$	20,7 mm	Distance between the apexes of the pressure cones
$\alpha$	30 °	Contact angle

### Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Characteristics

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