



FAG



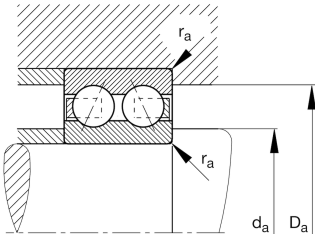
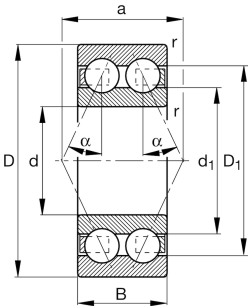
X-life

3202-BD-XL-TVH-L285

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL-TVH, double row, X-life, plastic cage

Technical information



Your current product variant

Design variant	B	Bearing without filling slot
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L285	Grease (L285/customer specific)
Axial internal clearance	CN	Group N (CN)

n.r.

	D	Design variant
≈m	0.063 kg	Weight



Main Dimensions & 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

Mounting dimensions

d <sub>a min</sub>	19.2 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	30.8 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0.6 mm	Maximum fillet radius

Dimensions






r <sub>min</sub>	0.6 mm	Minimum chamfer dimension
D <sub>1</sub>	29.35 mm	Shoulder diameter outer ring
D <sub>2</sub>	31.13 mm	Caliber diameter outer ring
d <sub>1</sub>	22.2 mm	Shoulder diameter inner ring
d <sub>2</sub>	20.96 mm	Caliber diamter inner ring
a	20.7 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.



Characteristics

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