



FAG



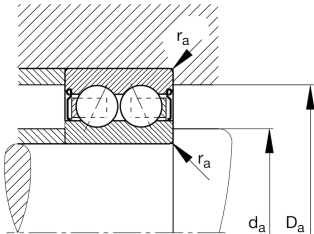
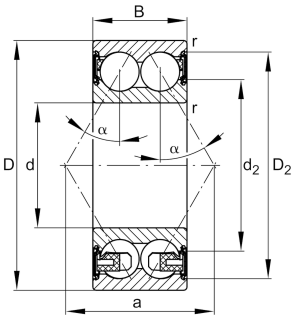
3311-BD-XL-2HRS-TVH

Angular contact ball bearing

Angular contact ball bearing 33..-BD-XL-2HRS-TVH, double row, X-life, seals, plastic cage

X-life

Technical information



Your current product variant

Design variant	B	Bearing without filling slot
Sealing	2HRS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease, standard for D>62mm
Axial internal clearance	CN	Group N (CN)

n.r.

	D	Design variant
≈m	2.29 kg	Weight

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	49.2 mm	Width
C _r	116,000 N	Basic dynamic load rating, radial
C _{0r}	88,000 N	Basic static load rating, radial
C _{ur}	6,100 N	Fatigue load limit, radial
n _G	4,350 1/min	Limiting speed



Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius







Dimensions

$r_{\ min}$	2 mm	Minimum chamfer dimension
$D_{\ 1}$	103.3 mm	Shoulder diameter outer ring
$D_{\ 2}$	106.78 mm	Caliber diameter outer ring
$d_{\ 1}$	78.77 mm	Shoulder diameter inner ring
$d_{\ 2}$	76.35 mm	Caliber diamter inner ring
a	71.4 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	100 °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