



FAG



X-life

3204-BD-XL-TVH-L285

Angular contact ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Type of Seal	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L285	Grease (L285/customer specific)
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	47 mm	Outside diameter
B	20,6 mm	Width
C _r	20.600 N	Basic dynamic load rating, radial
C _{0r}	12.900 N	Basic static load rating, radial
C _{ur}	900 N	Fatigue load limit, radial
n _G	16.100 1/min	Limiting speed
n _{gr}	14.700 1/min	Reference speed
m	0,146 kg	Masa



Mounting dimensions

$d_{a \min}$	25,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	41,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	40,1 mm	Shoulder diameter outer ring
D_2	42,23 mm	Caliber diameter outer ring
d_1	30,8 mm	Shoulder diameter inner ring
d_2	29,22 mm	Caliber diameter inner ring
a	27,9 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

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

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Bez uszczelnienia