



FAG



X-life

3205-BD-XL-TVH-C2

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
Sealing	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	Without	Bearing not greased
Axial internal clearance	C2	Group 2 (C2), smaller than CN

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	20,6 mm	Width
C _r	22.000 N	Basic dynamic load rating, radial
C _{0r}	15.200 N	Basic static load rating, radial
C _{ur}	1.050 N	Fatigue load limit, radial
n _G	14.300 1/min	Limiting speed
n _{gr}	12.500 1/min	Reference speed
m	0,166 kg	Masa



Mounting dimensions

$d_{a\ min}$	30,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1 mm	Minimum chamfer dimension
$D_{\ 1}$	45,1 mm	Shoulder diameter outer ring
$D_{\ 2}$	47,62 mm	Caliber diameter outer ring
$d_{\ 1}$	35,8 mm	Shoulder diameter inner ring
$d_{\ 2}$	34,23 mm	Caliber diamter inner ring
a	30,8 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
	Smarowanie olejem
	Bez uszczelnienia