

**3002-2RS-C3**

Angular contact ball bearing

Angular contact ball bearing 30...-B-2RS-TVH,
double row, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	13 mm	Width
C _r	8.500 N	Basic dynamic load rating, radial
C _{0r}	5.400 N	Basic static load rating, radial
C _{ur}	280 N	Fatigue load limit, radial
n _G	12.900 1/min	Limiting speed
≈m	43 g	Masa



Mounting dimensions

$d_{a\ min}$	17 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	30 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,3 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,3 mm	Minimum chamfer dimension
$D_{\ 1}$	27,23 mm	Shoulder diameter outer ring
$D_{\ 2}$	27,84 mm	Caliber diameter outer ring
$d_{\ 1}$	21,3 mm	Shoulder diameter inner ring
$d_{\ 2}$	19,88 mm	Caliber diamter inner ring
a	16,3 mm	Distance between the apexes of the pressure cones
α	25 °	Contact angle

Temperature range

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

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne