

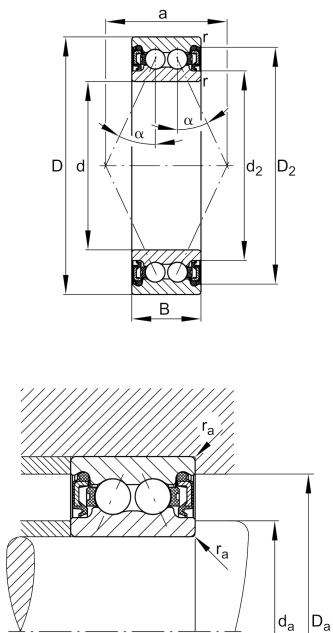


3816-2Z-C3

Angular contact ball bearing

Angular contact ball bearing 38..-B-2RZ-TVH,
double row, shields, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Type of Seal	2RZ	Non-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	GA13	Ball bearing and insert bearing grease
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	100 mm	Outside diameter
B	15 mm	Width
C _r	19.200 N	Basic dynamic load rating, radial
C _{0r}	24.800 N	Basic static load rating, radial
C _{ur}	1.430 N	Fatigue load limit, radial
n _G	5.100 1/min	Limiting speed
n _{gr}	3.650 1/min	Reference speed
≈m	0,23 kg	Masa



Mounting dimensions

$d_{a\min}$	83,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	96,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,6 mm	Minimum chamfer dimension
D_1	93,47 mm	Shoulder diameter outer ring
D_2	95,33 mm	Caliber diameter outer ring
d_1	86,7 mm	Shoulder diameter inner ring
d_2	85,53 mm	Caliber diamter inner ring
a	47,8 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