FAG

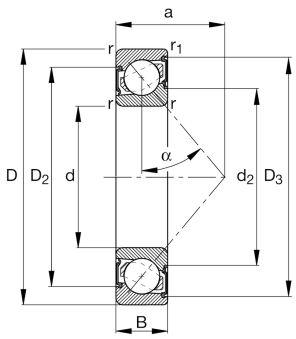
7202-B-XL-2RS-TVP-UL

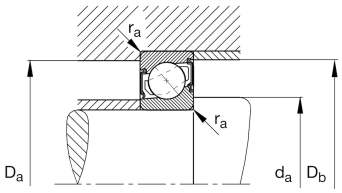
Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

X-life

Informacje techniczne





Twoja aktualna wersja produktu

Design variant	B	B
Sealing	2RS	Contact seal on both sides
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UL	Bearing set with light preload
Lubricant	GA14	Ball bearing grease, low noise

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C_r	8.900 N	Basic dynamic load rating, radial
C_{0r}	4.450 N	Basic static load rating, radial
C_{ur}	305 N	Fatigue load limit, radial
n_G	12.800 1/min	Limiting speed
≈m	0,046 kg	Masa

Mounting dimensions

$d_{a\ min}$	19,2 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	30,8 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	32,6 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	0,3 mm	Maximum fillet radius of housing

Dimensions

r_{min}	0,6 mm	Minimum chamfer dimension
$r_{1\ min}$	0,3 mm	Minimum chamfer dimension
D_1	27,63 mm	Shoulder diameter on outer ring wide side face
D_2	29,19 mm	Caliber diameter on outer ring wide side face
D_3	32,1 mm	Caliber diameter on outer ring small side face
d_1	22,76 mm	Shoulder diameter on inner ring wide side face
d_2	19,7 mm	Caliber diameter on inner ring wide side face
a	16 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

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

Additional information

V_{max}	-4 µm	Preload per set max.
$Tol_{(+)}$	8 µm	Tolerance for axial clearance or preload per set
$F_{V\ max}$	62 N	Preload force

Właściwości

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