



FAG



X-life

7312-B-XL-2RS-JP-L431

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-2RS-TVP, single row, X-life, seals, steel sheet metal cage

Informacje techniczne

Twoja aktualna wersja produktu

Design variant	B	B
Sealing	2RS	Contact seal on both sides
Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L431	Grease (L431/customer specific)

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C _r	96.000 N	Basic dynamic load rating, radial
C _{0r}	69.000 N	Basic static load rating, radial
C _{ur}	4.750 N	Fatigue load limit, radial
n _G	3.150 1/min	Limiting speed
≈m	1,803 kg	Masa



Mounting dimensions

$d_{a\ min}$	72 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	118 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	123 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\ min}$	2,1 mm	Minimum chamfer dimension
$r_{1\ min}$	1,1 mm	Minimum chamfer dimension
D_1	103,4 mm	Shoulder diameter on outer ring wide side face
D_2	106,86 mm	Caliber diameter on outer ring wide side face
D_3	119,68 mm	Caliber diameter on outer ring small side face
d_1	87,3 mm	Shoulder diameter on inner ring wide side face
d_2	83,1 mm	Caliber diameter on inner ring wide side face
a	55,4 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

Właściwości

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