



FAG



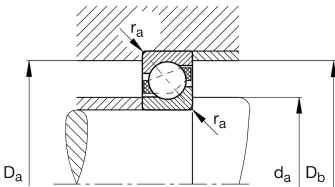
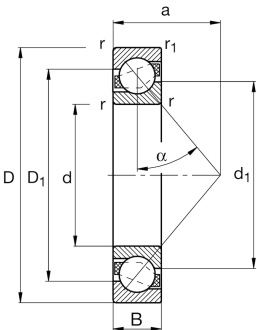
X-life

7414-B-XL-MP

Angular contact ball bearing

Angular contact ball bearing 74..-B-XL-MP,
single row, X-life, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	180 mm	Outside diameter
B	42 mm	Width
C _r	167.000 N	Basic dynamic load rating, radial
C _{0r}	138.000 N	Basic static load rating, radial
C _{ur}	8.300 N	Fatigue load limit, radial
n _G	6.400 1/min	Limiting speed
n _{gr}	3.450 1/min	Reference speed

≈m	5,495 kg	Masa
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Mounting dimensions

$d_{a\ min}$	86 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	164 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	171 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1\ min}$	1,1 mm	Minimum chamfer dimension
D_1	144,34 mm	Shoulder diameter on outer ring wide side face
d_1	123,1 mm	Shoulder diameter on inner ring wide side face
a	76,6 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia