



FAG

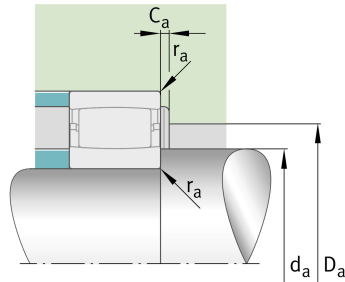
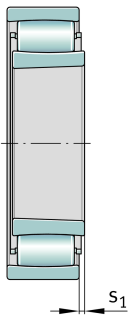
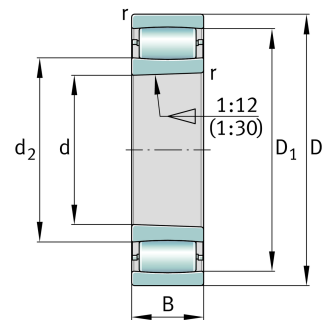
C3044-XL-K-M-C4

Toroidal roller bearing

Toroidal roller bearing C30...-XL-K-M

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Bore type	K	Tapered, taper 1:12
Cage	M	Solid brass cage, ball guided

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	340 mm	Outside diameter
B	90 mm	Width
C _r	1.370.000 N	Basic dynamic load rating, radial
C _{0r}	2.130.000 N	Basic static load rating, radial
C _{ur}	221.000 N	Fatigue load limit, radial
n _{gr}	1.050 1/min	Reference speed
n _G	2.030 1/min	Limiting speed
≈m	29,2 kg	Masa

Mounting dimensions

d _{a min}	233 mm	Minimum diameter shaft shoulder
d _{a max}	274 mm	Maximum diameter shaft shoulder
D _{a min}	297 mm	Minimum diameter of housing shoulder
D _{a max}	327 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum fillet radius
C _a	1,86 mm	Minimum depth of free space Ca



Dimensions

r _{min}	3 mm	Minimum chamfer dimension
d ₂	256,7 mm	Shoulder diameter of IR
D ₁	310,3 mm	Shoulder diameter outer ring
S ₁	17,2 mm	Axial displacement

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

k _δ	0,931	Operating clearance factor k _δ
k _φ	11,851	Tilting factor k _φ

Właściwości

	Obciążenie promieniowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna