



FAG

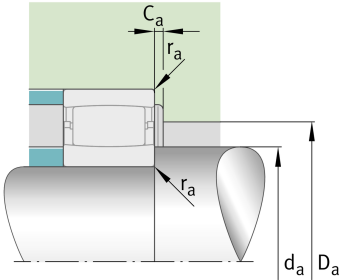
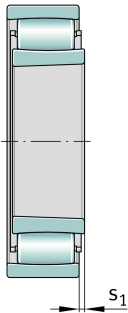
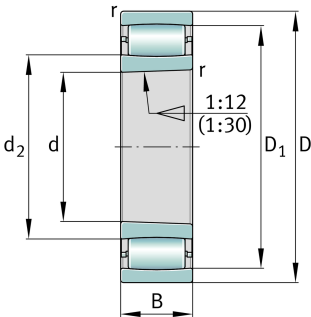
C3136-XL-K-M-W209B-C4

Toroidal roller bearing

Toroidal roller bearing C31...-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	180 mm	Bore diameter
D	300 mm	Outside diameter
B	96 mm	Width
C _r	11.100.000 N	Basic dynamic load rating, radial
C _{0r}	19.100.000 N	Basic static load rating, radial
C _{ur}	216.000 N	Fatigue load limit, radial
n _{gr}	1.310 1/min	Reference speed
n _G	2.380 1/min	Limiting speed
≈m	25 kg	Masa

Mounting dimensions

d _{a min}	194 mm	Minimum diameter shaft shoulder
d _{a max}	234 mm	Maximum diameter shaft shoulder
D _{a min}	257 mm	Minimum diameter of housing shoulder
D _{a max}	286 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum fillet radius
C _a	1,25 mm	Minimum depth of free space Ca



Dimensions

r_{min}	3 mm	Minimum chamfer dimension
d_2	215,2 mm	Shoulder diameter of IR
D_1	270,8 mm	Shoulder diameter outer ring
S_1	23,2 mm	Axial displacement

Temperature range

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

Calculation factors

k_{δ}	1,162	Operating clearance factor k_{δ}
k_{φ}	9,634	Tilting factor k_{φ}

Właściwości

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