



FAG

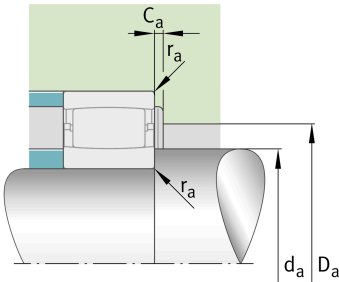
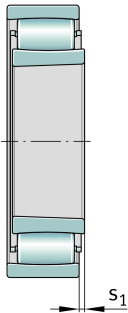
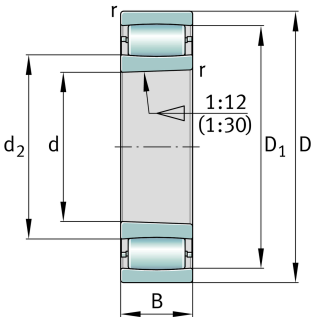
C3140-XL-K-M-W209B-C4

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	200 mm	Bore diameter
D	340 mm	Outside diameter
B	112 mm	Width
C _r	1.600.000 N	Basic dynamic load rating, radial
C _{0r}	2.330.000 N	Basic static load rating, radial
C _{ur}	265.000 N	Fatigue load limit, radial
n _{gr}	1.120 1/min	Reference speed
n _G	2.060 1/min	Limiting speed
≈m	40,3 kg	Masa

Mounting dimensions

d _{a min}	214 mm	Minimum diameter shaft shoulder
d _{a max}	265 mm	Maximum diameter shaft shoulder
D _{a min}	290 mm	Minimum diameter of housing shoulder
D _{a max}	326 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	245,6 mm	Shoulder diameter of IR
D_1	304,4 mm	Shoulder diameter outer ring
S_1	27,3 mm	Axial displacement

Temperature range

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

Calculation factors

k_{δ}	0,924	Operating clearance factor k_{δ}
k_{φ}	11,848	Tilting factor k_{φ}

Właściwości



Obciążenie promieniowe



Smarowanie smarem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna