



SL185036-TB-C3

Cylindrical roller bearing

Cylindrical roller bearing SL1850..-TB,full complement roller set, two-row, semi-locating bearing, 1 rib on outer ring, 3 ribs on inner ring, type SL18

Informacje techniczne



Twoja aktualna wersja produktu

Design	TB	Bearings with increased axial load capacity
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	136 mm	Width
C _r	1.390.000 N	Basic dynamic load rating, radial
C _{0r}	2.480.000 N	Basic static load rating, radial
C _{ur}	315.000 N	Fatigue load limit, radial
n _G	1.370 1/min	Limiting speed
n _{gr}	820 1/min	Reference speed
≈m	29,68 kg	Masa



Mounting dimensions

$d_{c \min}$	212 mm	Minimum shaft shoulder
$d_{a \min}$	212,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	249,5 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$D_{e \min}$	249,4 mm	Minimum diameter of housing shoulder

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	2,1 mm	Minimum chamfer dimension
s	8 mm	Axial displacement
C	68 mm	Distance to lubrication hole
d_1	212,2 mm	Maximum rib diameter inner ring
$D_1 \min$	249,4 mm	Minimum rib diameter outer ring
E	260,2 mm	Raceway diameter outer ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia