



SL1829/500-TB-C3

Cylindrical roller bearing

Cylindrical roller bearing SL1829..-TB, full complement roller set, single row, semi-locating bearing, 1 rib on outer ring, 2 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	1	Single-row design

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	670 mm	Outside diameter
B	100 mm	Width
C _r	2.430.000 N	Basic dynamic load rating, radial
C _{0r}	4.950.000 N	Basic static load rating, radial
C _{ur}	490.000 N	Fatigue load limit, radial
n _G	520 1/min	Limiting speed
n _{gr}	270 1/min	Reference speed
≈m	95,6 kg	Masa



Mounting dimensions

$d_{a \min}$	553 mm	Minimum diameter shaft shoulder
$d_{c \min}$	553 mm	Minimum shaft shoulder
$D_{a \max}$	612,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	630 mm	Minimum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius
E	630 mm	Raceway diameter outer ring

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
s	7 mm	Axial displacement
d_1	553 mm	Maximum rib diameter inner ring
$D_1 \min$	612,7 mm	Minimum rib 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



Łożysko gabarytowe