



SL181892-E-TB-BR

Cylindrical roller bearing

Cylindrical roller bearing, SL1818...-E-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	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	460 mm	Bore diameter
D	580 mm	Outside diameter
B	56 mm	Width
C _r	940.000 N	Basic dynamic load rating, radial
C _{0r}	1.890.000 N	Basic static load rating, radial
C _{ur}	189.000 N	Fatigue load limit, radial
n _G	580 1/min	Limiting speed
n _{gr}	385 1/min	Reference speed
m	32 kg	Masa



Mounting dimensions

d _{a min}	501,5 mm	Minimum diameter shaft shoulder
d _{c min}	501,5 mm	Minimum shaft shoulder
D _{a max}	540 mm	Maximum diameter of housing shoulder
D _{e min}	554 mm	Minimum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius
E	554 mm	Raceway diameter outer ring

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
s	5 mm	Axial displacement
d ₁	501,5 mm	Maximum rib diameter inner ring
D _{1 min}	540 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