



SL181884-E-BR-C3

Cylindrical roller bearing

Cylindrical roller bearing SL1818...-E, 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	E	
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	420 mm	Bore diameter
D	520 mm	Outside diameter
B	46 mm	Width
C _r	680.000 N	Basic dynamic load rating, radial
C _{0r}	1.420.000 N	Basic static load rating, radial
C _{ur}	143.000 N	Fatigue load limit, radial
n _G	650 1/min	Limiting speed
n _{gr}	430 1/min	Reference speed
≈m	20,27 kg	Masa



Mounting dimensions

$d_{a \min}$	457 mm	Minimum diameter shaft shoulder
$d_{c \min}$	457 mm	Minimum shaft shoulder
$D_{a \max}$	489,5 mm	Maximum diameter of housing shoulder
$D_{e \min}$	500 mm	Minimum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
E	500 mm	Raceway diameter outer ring

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
d_1	457 mm	Maximum rib diameter inner ring
$D_1 \min$	489,5 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