



SL182940-B-XL-BR-C3 [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing SL18, full complement roller set, single row, semi-locating bearing, 1 rib on outer ring, 2 ribs on inner ring, type SL18

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	B	Internal Variant B
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	200 mm	Bore diameter
D	280 mm	Outside diameter
B	48 mm	Width
C _r	610.000 N	Basic dynamic load rating, radial
C _{0r}	940.000 N	Basic static load rating, radial
C _{ur}	142.000 N	Fatigue load limit, radial
n _G	1.520 1/min	Limiting speed
n _{gr}	950 1/min	Reference speed
≈m	9,15 kg	Masa





Mounting dimensions

$d_{a \min}$	225,5 mm	Minimum diameter shaft shoulder
$d_{c \min}$	225,5 mm	Minimum shaft shoulder
$D_{a \max}$	252 mm	Maximum diameter of housing shoulder
$D_{e \min}$	261,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
E	261,6 mm	Raceway diameter outer ring

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
s	3 mm	Axial displacement
d_1	225,5 mm	Maximum rib diameter inner ring
$D_1 \min$	252,4 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