



SL184936-A

Cylindrical roller bearing

Cylindrical roller bearing SL18...-A, 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	A	Internal Variant A
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	250 mm	Outside diameter
B	69 mm	Width
C _r	570.000 N	Basic dynamic load rating, radial
C _{0r}	1.200.000 N	Basic static load rating, radial
C _{ur}	149.000 N	Fatigue load limit, radial
n _G	1.480 1/min	Limiting speed
n _{gr}	920 1/min	Reference speed
≈m	10,294 kg	Masa



Mounting dimensions

d _{c min}	204,5 mm	Minimum shaft shoulder
d _{a min}	204,9 mm	Minimum diameter shaft shoulder
D _{a max}	223,8 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
r _{a1 max}	2 mm	Maximum recess radius
D _{e min}	223,8 mm	Minimum diameter of housing shoulder

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
r _{1 min}	2 mm	Minimum chamfer dimension
s	3 mm	Axial displacement
C	34,5 mm	Distance to lubrication hole
d ₁	204,9 mm	Maximum rib diameter inner ring
D _{1 min}	223,8 mm	Minimum rib diameter outer ring
E	230,5 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