



SL184960-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	300 mm	Bore diameter
D	420 mm	Outside diameter
B	118 mm	Width
C _r	1.630.000 N	Basic dynamic load rating, radial
C _{0r}	3.700.000 N	Basic static load rating, radial
C _{ur}	410.000 N	Fatigue load limit, radial
n _G	870 1/min	Limiting speed
n _{gr}	445 1/min	Reference speed
≈m	53 kg	Masa



Mounting dimensions

d _{c min}	340,7 mm	Minimum shaft shoulder
d _{a min}	340,7 mm	Minimum diameter shaft shoulder
D _{a max}	373,8 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius
r _{a1 max}	3 mm	Maximum recess radius
D _{e min}	374,3 mm	Minimum diameter of housing shoulder

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
r _{1 min}	3 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
C	59 mm	Distance to lubrication hole
d ₁	340,7 mm	Maximum rib diameter inner ring
D _{1 min}	374,3 mm	Minimum rib diameter outer ring
E	385,5 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