



SL184944-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	220 mm	Bore diameter
D	300 mm	Outside diameter
B	80 mm	Width
C _r	700.000 N	Basic dynamic load rating, radial
C _{0r}	1.550.000 N	Basic static load rating, radial
C _{ur}	185.000 N	Fatigue load limit, radial
n _G	1.220 1/min	Limiting speed
n _{gr}	750 1/min	Reference speed
≈m	17,25 kg	Masa



Mounting dimensions

d _{c min}	247,5 mm	Minimum shaft shoulder
d _{a min}	247,7 mm	Minimum diameter shaft shoulder
D _{a max}	269 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
r _{a1 max}	2,1 mm	Maximum recess radius
D _{e min}	269 mm	Minimum diameter of housing shoulder

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
r _{1 min}	2,1 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
C	40 mm	Distance to lubrication hole
d ₁	247,7 mm	Maximum rib diameter inner ring
D _{1 min}	269 mm	Minimum rib diameter outer ring
E	276,52 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