



SL182984-B [↗](#)

Cylindrical roller bearing

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

Technical information



Your current product variant

Design	B	Internal Variant B
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	420 mm	Bore diameter
D	560 mm	Outside diameter
B	82 mm	Width
C_r	1.730.000 N	Basic dynamic load rating, radial
C_{0r}	3.600.000 N	Basic static load rating, radial
C_{ur}	370.000 N	Fatigue load limit, radial
n_G	630 1/min	Limiting speed
n_{gr}	340 1/min	Reference speed
m	54,8 kg	Weight





Mounting dimensions

$d_{a \min}$	462 mm	Minimum diameter shaft shoulder
$d_{c \min}$	462 mm	Minimum shaft shoulder
$D_{a \max}$	509 mm	Maximum diameter of housing shoulder
$D_{e \min}$	523 mm	Minimum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
E	523 mm	Raceway diameter outer ring






Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
s	5 mm	Axial displacement
d_1	462 mm	Maximum rib diameter inner ring
$D_1 \min$	509 mm	Minimum rib diameter outer ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed