

**RSL185009-A** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing RSL18, full complement roller set, two-row, semi-locating bearing, no outer ring, 3 ribs on inner ring, type RSL18

Technical information



Your current product variant

Design	A	Internal Variant Cage A
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	45 mm	Rib diameter inner ring
E _w	66,85 mm	Outer envelope circle
B	40 mm	Width
C _r	106.000 N	Basic dynamic load rating, radial
C _{0r}	148.000 N	Basic static load rating, radial
C _{ur}	20.500 N	Fatigue load limit, radial
n _G	5.800 1/min	Limiting speed
n _{gr}	3.800 1/min	Reference speed
m	401,1 g	Weight

Mounting dimensions

d _{a min}	55,5 mm	Minimum diameter shaft shoulder
--------------------	---------	---------------------------------

Dimensions





r _{min}	1 mm	Minimum chamfer dimension
X	30 mm	Raceway width



Temperature range

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

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed