

**RSL185014-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	70 mm	Rib diameter inner ring
E _w	100,28 mm	Outer envelope circle
B	54 mm	Width
C _r	233.000 N	Basic dynamic load rating, radial
C _{0r}	350.000 N	Basic static load rating, radial
C _{ur}	48.500 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
n _{gr}	2.500 1/min	Reference speed
≈m	1.136,4 g	Weight

Mounting dimensions

d _{a min}	81,5 mm	Minimum diameter shaft shoulder
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Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
X	42 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