

**RSL183020-A**

Cylindrical roller bearing



Cylindrical roller bearing RSL1830, full complement roller set, single row, non-locating bearing, no outer ring, 2 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	1	Single-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
E _w	139,65 mm	Outer envelope circle
B	37 mm	Width
C _r	216.000 N	Basic dynamic load rating, radial
C _{0r}	300.000 N	Basic static load rating, radial
C _{ur}	43.500 N	Fatigue load limit, radial
n _G	2.600 1/min	Limiting speed
≈m	1,369 kg	Weight

Mounting dimensions

d _{a min}	116 mm	Minimum diameter shaft shoulder
X	22 mm	Raceway width



Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
d_1	116 mm	Maximum rib diameter inner ring
T_K	124,65 mm	Pitch circle

Temperature range

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

Characteristics

-  Radial load
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed