

**RSL182216-A**

Cylindrical roller bearing



Cylindrical roller bearing RSL18, 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	80 mm	Bore diameter
E _w	125,81 mm	Outer envelope circle
B	33 mm	Width
C _r	223.000 N	Basic dynamic load rating, radial
C _{0r}	280.000 N	Basic static load rating, radial
C _{ur}	41.500 N	Fatigue load limit, radial
n _G	3.000 1/min	Limiting speed
≈m	1,315 kg	Weight

Mounting dimensions

d _{a min}	98,5 mm	Minimum diameter shaft shoulder
X	24 mm	Raceway width



Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
d_1	98,5 mm	Maximum rib diameter inner ring
T_K	108,81 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