

**RSL182309-A** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing RSL1823, 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
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	45 mm	Bore diameter
E _w	88,32 mm	Outer envelope circle
B	36 mm	Width
C _r	160.000 N	Basic dynamic load rating, radial
C _{0r}	163.000 N	Basic static load rating, radial
C _{ur}	24.900 N	Fatigue load limit, radial
n _G	4.700 1/min	Limiting speed
≈m	0,813 kg	Weight

Mounting dimensions

d _{a min}	61 mm	Minimum diameter shaft shoulder
X	24 mm	Raceway width

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
d ₁	61,1 mm	Maximum rib diameter inner ring
T _K	71,32 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