

**RSL183016-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
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	80 mm	Bore diameter
E <sub>w</sub>	116,99 mm	Outer envelope circle
B	34 mm	Width
C <sub>r</sub>	170.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	220.000 N	Basic static load rating, radial
C <sub>ur</sub>	33.000 N	Fatigue load limit, radial
n <sub>G</sub>	3.200 1/min	Limiting speed
m	0,97 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	95 mm	Minimum diameter shaft shoulder
X	20 mm	Raceway width

**Dimensions**

r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
d <sub>1</sub>	95 mm	Maximum rib diameter inner ring
T <sub>K</sub>	102,99 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