

**RSL185020-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 | 100 mm | Rib diameter inner ring |
| E _w | 139,65 mm | Outer envelope circle |
| B | 67 mm | Width |
| C _r | 370.000 N | Basic dynamic load rating, radial |
| C _{0r} | 600.000 N | Basic static load rating, radial |
| C _{ur} | 87.000 N | Fatigue load limit, radial |
| n _G | 2.600 1/min | Limiting speed |
| n _{gr} | 1.930 1/min | Reference speed |
| m | 2,596 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|---------------------------------|
| d _{a min} | 116 mm | Minimum diameter shaft shoulder |
|--------------------|--------|---------------------------------|

Dimensions

| | | |
|------------------|--------|---------------------------|
| r _{min} | 1,5 mm | Minimum chamfer dimension |
| X | 52 mm | Raceway width |




Temperature range

T_{min} -30 °C Operating temperature min.

T_{max} 120 °C Operating temperature max.

Characteristics

 F_r Radial load

 Grease Lubrication

 Oil Lubrication

 Not sealed