

**RSL185011-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 (PN) |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 55 mm | Rib diameter inner ring |
| E _w | 83,54 mm | Outer envelope circle |
| B | 46 mm | Width |
| C _r | 182.000 N | Basic dynamic load rating, radial |
| C _{0r} | 275.000 N | Basic static load rating, radial |
| C _{ur} | 37.000 N | Fatigue load limit, radial |
| n _G | 4.550 1/min | Limiting speed |
| n _{gr} | 2.950 1/min | Reference speed |
| m | 0,821 kg | Weight |

Mounting dimensions

| | | |
|--------------------|---------|---------------------------------|
| d _{a min} | 68,5 mm | Minimum diameter shaft shoulder |
|--------------------|---------|---------------------------------|

Dimensions





| | | |
|------------------|--------|---------------------------|
| r _{min} | 1,1 mm | Minimum chamfer dimension |
| X | 39 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