

**RSL182222-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 (PN) |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 110 mm | Bore diameter |
| E _w | 177 mm | Outer envelope circle |
| B | 53 mm | Width |
| C _r | 450.000 N | Basic dynamic load rating, radial |
| C _{0r} | 580.000 N | Basic static load rating, radial |
| C _{ur} | 83.000 N | Fatigue load limit, radial |
| n _G | 2.130 1/min | Limiting speed |
| ≈m | 4,174 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|---------------------------------|
| d _{a min} | 137 mm | Minimum diameter shaft shoulder |
| X | 36 mm | Raceway width |



Dimensions

| | | |
|------------|--------|---------------------------------|
| r_{\min} | 2,1 mm | Minimum chamfer dimension |
| d_1 | 137 mm | Maximum rib diameter inner ring |
| T_K | 152 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