

**RSL183005-A-XL-2S**

## Cylindrical roller bearing



Cylindrical roller bearing RSL1830..-XL,  
full complement roller set, single row, non-  
locating bearing, no outer ring, 2 ribs on inner  
ring, type RSL18

X-life

## Technical information



## Your current product variant

|                |   |                   |
|----------------|---|-------------------|
| Number of rows | 1 | Single-row design |
|----------------|---|-------------------|

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 25 mm       | Bore diameter                     |
| E <sub>w</sub>  | 42,51 mm    | Outer envelope circle             |
| B               | 16 mm       | Width                             |
| C <sub>r</sub>  | 35.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 32.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 5.600 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.500 1/min | Limiting speed                    |
| ≈m              | 80,2 g      | Weight                            |

## Mounting dimensions

|                    |         |                                 |
|--------------------|---------|---------------------------------|
| d <sub>a min</sub> | 34,6 mm | Minimum diameter shaft shoulder |
| X                  | 9 mm    | Raceway width                   |

## Dimensions

|                  |          |                                 |
|------------------|----------|---------------------------------|
| r <sub>min</sub> | 0,6 mm   | Minimum chamfer dimension       |
| d <sub>1</sub>   | 34,6 mm  | Maximum rib diameter inner ring |
| T <sub>K</sub>   | 36,51 mm | Pitch circle                    |



### Temperature range

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

$T_{max}$  120 °C Operating temperature max.

### Characteristics

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Radial load



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed