

**RSL182204-A-XL**

Cylindrical roller bearing



Cylindrical roller bearing RSL18.-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

| | | |
|--------------------------------|----|-------------------|
| Tolerance class | PN | Normal (PN) |
| Number of rolling element rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|-----------------------------------|
| d | 20 mm | Bore diameter |
| E _w | 41,47 mm | Outer envelope circle |
| B | 18 mm | Width |
| C _r | 45.500 N | Basic dynamic load rating, radial |
| C _{0r} | 37.000 N | Basic static load rating, radial |
| C _{ur} | 6.200 N | Fatigue load limit, radial |
| n _G | 12.000 1/min | Limiting speed |
| ≈m | 98,35 g | Weight |

Mounting dimensions

| | | |
|--------------------|---------|---------------------------------|
| d _{a min} | 30,3 mm | Minimum diameter shaft shoulder |
| X | 12 mm | Raceway width |






Dimensions

| | | |
|------------|----------|---------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| d_1 | 30,3 mm | Maximum rib diameter inner ring |
| T_K | 33,47 mm | Pitch circle |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed