

**RSL183009-A-XL**

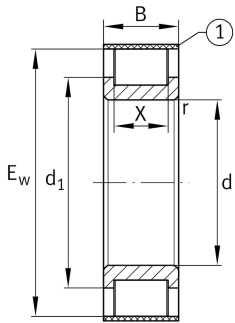
## Cylindrical roller bearing



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

Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
E <sub>w</sub>	66,85 mm	Outer envelope circle
B	23 mm	Width
C <sub>r</sub>	70.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	74.000 N	Basic static load rating, radial
C <sub>ur</sub>	12.700 N	Fatigue load limit, radial
n <sub>G</sub>	6.600 1/min	Limiting speed
≈m	230 g	Weight

## Mounting dimensions

d <sub>a min</sub>	55,3 mm	Minimum diameter shaft shoulder
X	12 mm	Raceway width

## Dimensions

r <sub>min</sub>	1 mm	Minimum chamfer dimension
d <sub>1</sub>	55,3 mm	Maximum rib diameter inner ring
T <sub>K</sub>	58,85 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