

**RSL183009-A-XL**

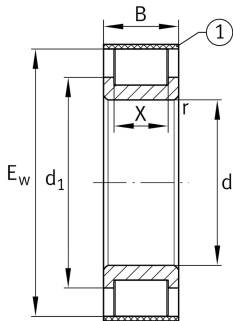
Cylindrical roller bearing



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 (PN)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	45 mm	Bore diameter
E _w	66,85 mm	Outer envelope circle
B	23 mm	Width
C _r	70.000 N	Basic dynamic load rating, radial
C _{0r}	74.000 N	Basic static load rating, radial
C _{ur}	12.700 N	Fatigue load limit, radial
n _G	6.600 1/min	Limiting speed
≈m	230 g	Weight

Mounting dimensions

d _{a min}	55,3 mm	Minimum diameter shaft shoulder
X	12 mm	Raceway width

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
d ₁	55,3 mm	Maximum rib diameter inner ring
T _K	58,85 mm	Pitch circle




Temperature range

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

T_{max} 120 °C Operating temperature max.

Characteristics

 F_r Radial load

 F_a Axial load in two directions

 Grease Lubrication

 Oil Lubrication

 Not sealed