

**SL192309-XL**

Cylindrical roller bearing

Technical information



Your current product variant

Number of rows	1	Single-row design
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Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C_r	181.000 N	Basic dynamic load rating, radial
C_{0r}	164.000 N	Basic static load rating, radial
C_{ur}	31.000 N	Fatigue load limit, radial
n_G	4.600 1/min	Limiting speed
n_{gr}	3.000 1/min	Reference speed
m	1,39 kg	Weight






Dimensions

D_1	80,3 mm	Shoulder diameter outer ring
$D_{a \max}$	80 mm	Maximum diameter of housing shoulder
d_1	62,5 mm	Shoulder diameter inner ring
$d_{a \min}$	56 mm	Minimum diameter shaft shoulder
$d_{c \min}$	62,5 mm	Minimum shaft shoulder
F	56,1 mm	Raceway diameter inner ring
$r_{a \max}$	1,5 mm	Maximum fillet radius
r_{\min}	1,5 mm	Minimum chamfer dimension
s	3 mm	Axial displacement

Temperature range

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

Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed