

**SL192316**

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	80 mm	Bore diameter
D	170 mm	Outside diameter
B	58 mm	Width
C_r	475.000 N	Basic dynamic load rating, radial
C_{0r}	560.000 N	Basic static load rating, radial
C_{ur}	82.000 N	Fatigue load limit, radial
n_G	2.600 1/min	Limiting speed
n_{gr}	1.820 1/min	Reference speed
m	6,179 kg	Weight








Dimensions

D_1	142,1 mm	Shoulder diameter outer ring
$D_{a \max}$	142 mm	Maximum diameter of housing shoulder
d_1	109,5 mm	Shoulder diameter inner ring
$d_{a \min}$	98 mm	Minimum diameter shaft shoulder
$d_{c \min}$	109,5 mm	Minimum shaft shoulder
F	98,2 mm	Raceway diameter inner ring
$r_{a \max}$	2,1 mm	Maximum fillet radius
r_{\min}	2,1 mm	Minimum chamfer dimension
s	3,5 mm	Axial displacement

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 one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed