



LM 300849/811

Popular item
SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

Normal and CL7C, CLN, Normal and CL, deviating width

Bearing interfaces

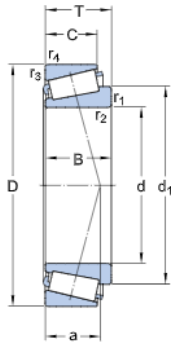
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

LM 300800

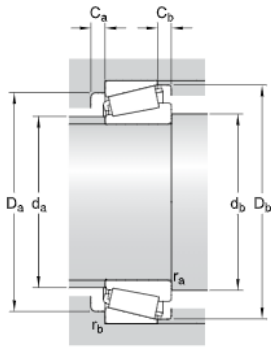


DIMENSIONS

d	40.987 mm
D	67.975 mm
T	17.5 mm
d ₁	≈ 55.4 mm
B	18 mm
C	13.5 mm
r _{1,2}	min. 3.6 mm
r _{3,4}	min. 1.5 mm
a	13.741 mm

ABUTMENT DIMENSIONS

d _a	max. 47 mm
d _b	min. 53.5 mm
D _a	min. 61 mm
D _a	max. 60.5 mm



D_b	min. 64 mm
C_a	min. 3 mm
C_b	min. 4 mm
r_a	max. 3.6 mm
r_b	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	C	53.6 kN
Basic static load rating	C_0	58.5 kN
Fatigue load limit	P_u	6.3 kN
Reference speed		8 000 r/min
Limiting speed		9 500 r/min
Calculation factor	e	0.35
Calculation factor	Y	1.7
Calculation factor	Y_0	0.9

MASS

Mass bearing	0.24 kg
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More information

Product details	Engineering information	Tools
Designs and variants <hr/>	Principles of rolling bearing selection <hr/>	SimPro Quick <hr/>
Bearing data <hr/>	General bearing knowledge <hr/>	Bearing Select <hr/>
Loads <hr/>	Bearing selection process <hr/>	Engineering Calculator <hr/>
Temperature limits <hr/>	Bearing failure and how to prevent it <hr/>	LubeSelect for SKF greases <hr/>
Permissible speed <hr/>		Heater Selection Tool <hr/>
Design considerations <hr/>		Oil Injection Method Program <hr/>
Bearing designations <hr/>		skf.com/mount <hr/>
Designation system <hr/>		

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