

# JM 718149 A/110

SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

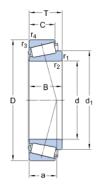
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series M 718100



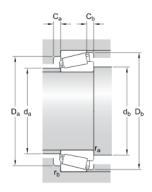
### **DIMENSIONS**

d	90 mm
D	145 mm
Т	35 mm
$d_1$	≈ 117.18 mm
В	34 mm
С	27 mm
r <sub>1,2</sub>	min. 6 mm
r <sub>3,4</sub>	min. 2.5 mm
a	32.691 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 100 mm
$d_b$	min. 109 mm
D <sub>a</sub>	min. 127 mm
D <sub>o</sub>	max. 134 mm





C <sub>a</sub> min. 6 m
C <sub>b</sub> min. 8 m
r <sub>a</sub> max. 6 m
r <sub>b</sub> max. 2.5 m

## CALCULATION DATA

Basic dynamic load rating	С	246 kN
Basic static load rating	$C_0$	305 kN
Fatigue load limit	$P_{u}$	33.5 kN
Reference speed		3600 r/min
Limiting speed		4300 r/min
Calculation factor	е	0.44
Calculation factor	Υ	1.35
Calculation factor	$Y_0$	0.8

## MASS

Mass bearing	2.14 kg
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## More information

Designs	Designs			SimPro	SimPro	
and variants	and variants	Principles of rolling	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing	
Bearing data	Bearing data	bearing -selection General bearing k nowledge	-selection General bearing k	-selection -selection General General bearing k bearing k	Select Engineer ing Calcul ator	Select
Loads	Loads					Engineer ing Calcul ator
Tempera ture limits	Tempera ture limits	Bearing selection process	Bearing selection process	LubeSele ct for SKF greases	LubeSele ct for SKF greases	
Permissi ble speed	Permissi ble speed	Bearing failure	Bearing failure	Heater Selection	Heater Selection	
Design c onsiderati ons	Design c onsiderati ons	and how to prevent it	and how to prevent it	Tool Oil Injection Method	Tool Oil Injection Method	
Bearing designati ons	Bearing designati ons			Program skf.com/ mount	Program skf.com/ mount	
Designati on system	Designati on system					

5KF.



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