

# JM 718149/110

SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

Bearing interfaces

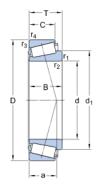
Seat tolerances for standard

conditions,

Tolerances and resultant fit

# Technical specification

Dimension series M 718100



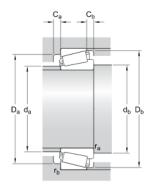
### **DIMENSIONS**

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. 3 mm
r <sub>3,4</sub>	min. 2.5 mm
a	32.691 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 100 mm
d <sub>b</sub>	min. 103 mm
D <sub>a</sub>	min. 127 mm
$D_a$	max. 134 mm





$egin{array}{cccc} C_a & & & & & & \\ C_b & & & & & \\ r_a & & & & & \\ r_h & & & & & \\ max. \ 3 \ mm & \\ r_h & & & & \\ max. \ 2.5 \ mm & \\ \end{array}$	$D_b$	min. 139 mm
r <sub>a</sub> max. 3 mm	$C_a$	min. 6 mm
a 2.5	$C_b$	min. 8 mm
r <sub>h</sub> max. 2.5 mm	r <sub>a</sub>	max. 3 mm
~	$r_b$	max. 2.5 mm

## 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	2.16 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	bearing -selection General	Select	Select
Loads	Loads		bearing k nowledge	Engineer ing Calcul ator	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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