

31314

SKF Explorer

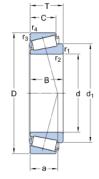
Tapered roller bearings, single row

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

7GB



DIMENSIONS

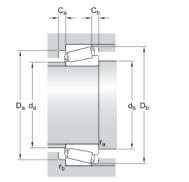
d	70 mm
D	150 mm
Т	38 mm
d ₁	≈ 111 mm
В	35 mm
С	25 mm
r _{1,2}	min. 3 mm
r _{3,4}	min. 2.5 mm
a	45.253 mm

ABUTMENT DIMENSIONS

d _a	max. 85 mm
d _b	min. 83 mm
D _a	min. 118 mm
D _a	max. 139 mm







D _b	min. 141 mm
C _a	min. 5 mm
C _b	min. 13 mm
r _a	max. 3 mm
r _b	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	С	229 kN
Basic static load rating	C ₀	220 kN
Fatigue load limit	P _u	27 kN
Reference speed		3400 r/min
Limiting speed		4500 r/min
Calculation factor	е	0.83
Calculation factor	Y	0.72
Calculation factor	Y ₀	0.4

MASS

Mass bearing	2.87 kg
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More information

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



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