

68450/68712

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

68000

Technical specification

Dimension series

 r_3 r_2 r_1 r_2 r_2 r_3 r_2 r_3 r_4 r_2 r_4 r_4

DIMENSIONS

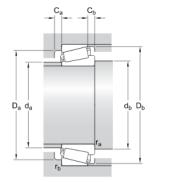
d	114.3 mm
D	180.975 mm
Т	34.925 mm
d ₁	≈ 144.3 mm
В	31.75 mm
С	25.4 mm
r _{1,2}	min. 3.5 mm
r _{3,4}	min. 3.3 mm
a	39.359 mm

ABUTMENT DIMENSIONS

d _a	max. 129 mm
d _b	min. 129 mm
D _a	min. 158 mm
D _a	max. 167.5 mm







D _b	min. 170 mm
C _a	min. 4 mm
C _b	min. 9.5 mm
r _a	max. 3.5 mm
r _b	max. 3.3 mm

CALCULATION DATA

Basic dynamic load rating	С	227 kN
Basic static load rating	C _O	280 kN
Fatigue load limit	Pu	30 kN
Reference speed		2800 r/min
Limiting speed		3400 r/min
Calculation factor	е	0.5
Calculation factor	Y	1.2
Calculation factor	Y ₀	0.7

MASS

Mass bearing	2.93 kg
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More information

Product details	Product details	Engineering i	nforn Eanlajonneering ir	formatidan	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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