

30215

Popular item SKF Explorer

Tapered roller bearings, single row

Bearing data

Tolerances,

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

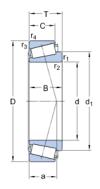
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series 4DB



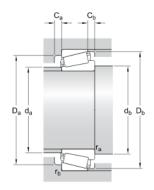
DIMENSIONS

d	75 mm
D	130 mm
Т	27.25 mm
d_1	≈ 99.83 mm
В	25 mm
С	22 mm
r _{1,2}	min. 2 mm
r _{3,4}	min. 1.5 mm
a	26.72 mm

ABUTMENT DIMENSIONS

d_a	max. 87 mm
d_b	min. 85.5 mm
D _a	min. 115 mm
D _a	max. 121.5 mm





D_b	min. 124 mm
C_a	min. 4 mm
C_b	min. 5 mm
r _a	max. 2 mm
r_b	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	С	171 kN
Basic static load rating	C_0	176 kN
Fatigue load limit	P_{u}	20.4 kN
Reference speed		4000 r/min
Limiting speed		5000 r/min
Calculation factor	е	0.43
Calculation factor	Υ	1.4
Calculation factor	Y_D	0.8

MASS

Mass bearing		1.38 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	selection	ion selection	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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