



30224

Popular item SKF Explorer

Tapered roller bearings, single row

Bearing data

Tolerances,

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

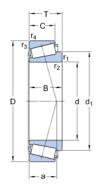
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series 4FB



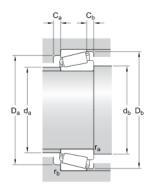
DIMENSIONS

d	120 mm
D	215 mm
Т	43.5 mm
d_1	≈ 161.77 mm
В	40 mm
С	34 mm
r _{1,2}	min. 3 mm
r _{3,4}	min. 2.5 mm
a	42.707 mm

ABUTMENT DIMENSIONS

d _a	max. 141 mm
d_b	min. 134 mm
D _a	min. 187 mm
D _a	max. 203 mm





D_b	min. 201 mm
C_a	min. 6 mm
C_b	min. 9.5 mm
r _a	max. 3 mm
r_b	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	С	417 kN
Basic static load rating	C_0	465 kN
Fatigue load limit	P_{u}	49 kN
Reference speed		2400 r/min
Limiting speed		3000 r/min
Calculation factor	е	0.43
Calculation factor	Υ	1.4
Calculation factor	Y_{Ω}	0.8

MASS

Mass bearing	6	6.13 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 -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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