



33210

Popular item SKF Explorer

Tapered roller bearings, single row

Bearing data

Tolerances,

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

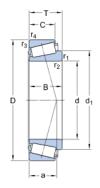
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series 3DE



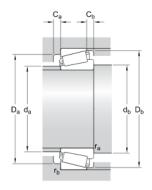
DIMENSIONS

d	50 mm
D	90 mm
Т	32 mm
d_1	≈ 70.8 mm
В	32 mm
С	24.5 mm
r _{1,2}	min. 1.5 mm
r _{3,4}	min. 1.5 mm
a	22.975 mm

ABUTMENT DIMENSIONS

d_a	max. 57 mm
d_b	min. 59 mm
D_a	min. 77 mm
D _a	max. 82 mm





D_b	min. 87 mm
C_{a}	min. 5 mm
C_{b}	min. 7.5 mm
r _a	max. 1.5 mm
r_b	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	С	142 kN
Basic static load rating	C_0	160 kN
Fatigue load limit	P_{u}	18.3 kN
Reference speed		5300 r/min
Limiting speed		7000 r/min
Calculation factor	е	0.4
Calculation factor	Υ	1.5
Calculation factor	Y ₀	0.8

MASS

Mass bearing	0.86 kg
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More information

Designs	Designs			SimPro	SimPro
and variants	and variants	Principles of rolling bearing -selection General bearing k nowledge Bearing selection process	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing
Bearing data	Bearing data		bearing -selection General	Select Engineer ing Calcul ator LubeSele ct for SKF greases	Select
Loads	Loads		nowledge nowledge Bearing Bearing selection		Engineer ing Calcul ator LubeSele ct for SKF greases
Tempera ture limits	Tempera ture limits				
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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