

# 30302

Popular item SKF Explorer

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

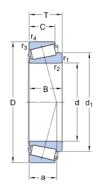
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 2FB



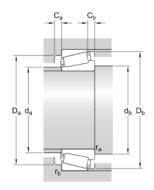
### **DIMENSIONS**

d	15 mm
D	42 mm
Т	14.25 mm
$d_1$	≈ 27.8 mm
В	13 mm
С	11 mm
r <sub>1,2</sub>	min. 1 mm
r <sub>3,4</sub>	min. 1 mm
a	9.413 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 22 mm
$d_b$	min. 21.5 mm
D <sub>a</sub>	min. 36 mm
$D_a$	max. 36.5 mm





D <sub>b</sub> min. 38 n	nm
C <sub>a</sub> min. 2 n	nm
C <sub>b</sub> min. 3 n	nm
r <sub>a</sub> max. 1 n	nm
r <sub>b</sub> max. 1 m	nm

## CALCULATION DATA

Basic dynamic load rating	С	27.7 kN
Basic static load rating	$C_0$	20 kN
Fatigue load limit	$P_{\rm u}$	2.08 kN
Reference speed		15000 r/min
Limiting speed		18000 r/min
Calculation factor	е	0.28
Calculation factor	Υ	2.1
Calculation factor	Yo	1.1

## MASS

Mass bearing	0.09	94 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 Bearing selection process	selection	bearing -selection General	Select	Select
Loads	Loads		bearing k nowledge	Engineer ing Calcul ator	Engineer ing Calcul ator	
Tempera ture limits	Tempera ture limits		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					

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