

# BT1-8003/HA1

## Tapered roller bearings, single row

Bearing data

Tolerances,

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

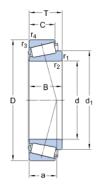
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

Dimension series 2GC



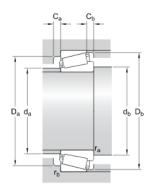
### **DIMENSIONS**

d	479.425 mm
D	717.55 mm
Т	136.525 mm
$d_1$	≈ 596 mm
В	130.175 mm
С	109.537 mm
r <sub>1,2</sub>	min. 6.4 mm
r <sub>3,4</sub>	min. 6.4 mm
a	127 mm

### ABUTMENT DIMENSIONS

$d_a$	max. 542 mm
$d_b$	min. 512 mm
D <sub>a</sub>	min. 640 mm
$D_a$	max. 685 mm





$D_b$	min. 679 mm
$C_a$	min. 18 mm
$C_b$	min. 26.5 mm
r <sub>a</sub>	max. 6 mm
$r_b$	max. 6 mm

## CALCULATION DATA

Basic dynamic load rating	С	3030 kN
Basic static load rating	$C_0$	6800 kN
Fatigue load limit	$P_{\rm u}$	490 kN
Reference speed		530 r/min
Limiting speed		800 r/min
Calculation factor	е	0.33
Calculation factor	Υ	1.8
Calculation factor	Yn	1

## MASS

Mass bearing	ng	190 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	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	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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