

31328 X

Popular item

Tapered roller bearings, single row

Bearing data

Tolerances,

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

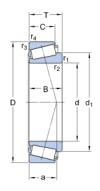
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series 7GB



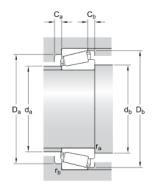
DIMENSIONS

d	140 mm
D	300 mm
Т	77 mm
d_1	≈ 220.275 mm
В	70 mm
С	47 mm
r _{1,2}	min. 5 mm
r _{3,4}	min. 4 mm
a	90.071 mm

ABUTMENT DIMENSIONS

d_a	max. 169 mm
d_b	min. 159.5 mm
D _a	min. 235 mm
D_a	max. 284 mm





D_b	min. 280 mm
C_{a}	min. 9 mm
C_b	min. 30 mm
r _a	max. 5 mm
r_b	max. 4 mm

CALCULATION DATA

Basic dynamic load rating	С	737 kN
Basic static load rating	C_0	900 kN
Fatigue load limit	P_{u}	90 kN
Reference speed		1500 r/min
Limiting speed		2200 r/min
Calculation factor	е	0.83
Calculation factor	Υ	0.72
Calculation factor	Y_0	0.4

MASS

Mass bearing	22.6 kg
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More information

Designs	Designs			SimPro	SimPro	
and variants	and variants	Principles of rolling bearing -selection General bearing k nowledge	Principles of rolling	Quick ——— Bearing	Quick ——— Bearing	
Bearing data	Bearing data		-selection General bearing k	bearing -selection General	Select Engineer ing Calcul ator	Select
Loads	Loads					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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