



30311/DF

SKF Explorer

Tapered roller bearings, single row,
matched face-to-face

Bearing data

[Tolerances,](#)

Normal + CL7C, P5, total width,

[Internal clearance,](#)

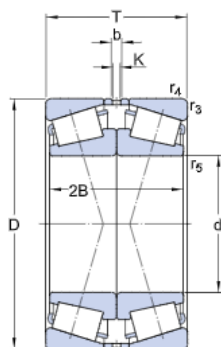
values

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

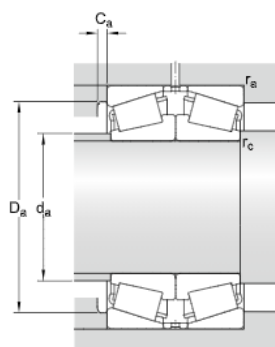


DIMENSIONS

d	55 mm
D	120 mm
T	63 mm
2B	58 mm
b	8 mm
K	4.5 mm
$r_{3,4}$	min. 2 mm
r_5	min. 0.6 mm

ABUTMENT DIMENSIONS

d_a	max. 72 mm
D_a	min. 104 mm
D_a	max. 110.5 mm
C_a	min. 4 mm
r_a	max. 2.5 mm
r_c	max. 0.6 mm



CALCULATION DATA

Basic dynamic load rating	C	302 kN
Basic static load rating	C ₀	325 kN
Fatigue load limit	P _u	39 kN
Reference speed		3 800 r/min
Limiting speed		5 600 r/min
Calculation factor	e	0.35
Calculation factor	Y ₁	
Calculation factor	Y ₂	1.7
Calculation factor	Y ₀	0.9

MASS

Mass bearing pair	3.26 kg
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More information

<p>Product details</p> <p>Designs and variants</p> <hr/> <p>Bearing data</p> <hr/> <p>Loads</p> <hr/> <p>Temperature limits</p> <hr/> <p>Permissible speed</p> <hr/> <p>Design considerations</p> <hr/> <p>Bearing designations</p> <hr/> <p>Designation system</p> <hr/>	<p>Engineering information</p> <p>Principles of rolling bearing selection</p> <hr/> <p>General bearing knowledge</p> <hr/> <p>Bearing selection process</p> <hr/> <p>Bearing failure and how to prevent it</p> <hr/>	<p>Tools</p> <p>SimPro Quick</p> <hr/> <p>Bearing Select</p> <hr/> <p>Engineering Calculator</p> <hr/> <p>LubeSelect for SKF greases</p> <hr/> <p>Heater Selection Tool</p> <hr/> <p>Oil Injection Method Program</p> <hr/> <p>skf.com/mount</p> <hr/>
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