



687/672

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

675



DIMENSIONS

d	101.6 mm
D	168.275 mm
T	41.275 mm
d ₁	≈ 133.4 mm
B	41.275 mm
C	30.162 mm
r _{1,2}	min. 3.5 mm
r _{3,4}	min. 3.3 mm
a	38.246 mm

ABUTMENT DIMENSIONS

d _a	max. 114 mm
d _b	min. 116 mm
D _a	min. 143 mm
D _a	max. 155.5 mm



D_b	min. 157 mm
C_a	min. 6 mm
C_b	min. 11 mm
r_a	max. 3.5 mm
r_b	max. 3.3 mm

CALCULATION DATA

Basic dynamic load rating	C	288 kN
Basic static load rating	C_0	365 kN
Fatigue load limit	P_u	39 kN
Reference speed		3 000 r/min
Limiting speed		3 800 r/min
Calculation factor	e	0.48
Calculation factor	Y	1.25
Calculation factor	Y_0	0.7

MASS

Mass bearing	3.45 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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