



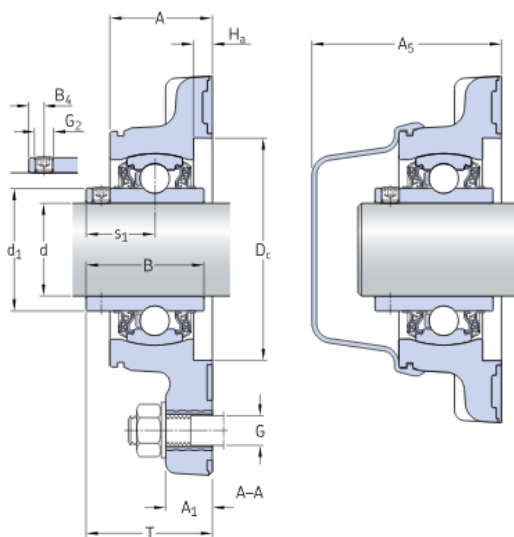
## F4BC 40M-TPSS Square flanged ball bearing units

Square flanged ball bearing units

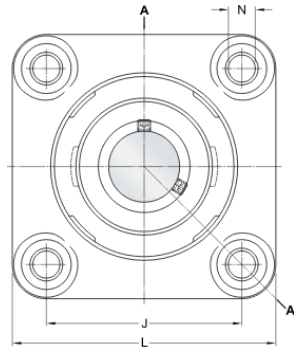
### Technical specification

Compliance with standard	Not standardized
Purpose specific	For food and beverage applications
Housing material	Composite for the SKF Food Line
Sealing solution	Gutter seals and flingers

### DIMENSIONS



d	40 mm
d <sub>1</sub>	≈ 51.8 mm
A	38 mm
A <sub>1</sub>	17 mm
A <sub>5</sub>	67.9 mm
B	49.2 mm
B <sub>4</sub>	10 mm
D <sub>c</sub>	88 mm
H <sub>a</sub>	6 mm
J	102 mm
L	135 mm
N	14.2 mm
s <sub>1</sub>	30.2 mm



T

50.7 mm

### CALCULATION DATA

Basic dynamic load rating	C	24.7 kN
Basic static load rating	C <sub>0</sub>	19 kN
Fatigue load limit	P <sub>u</sub>	0.8 kN
Limiting speed		2 800 r/min
with shaft tolerance h6		

### MASS

Mass bearing unit	0.9 kg
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### MOUNTING INFORMATION

Set screw	G <sub>2</sub>	M8x1
Hexagonal key size for set screw	N	4 mm
Recommended tightening torque for set screw		6.5 N·m
Recommended diameter for attachment bolts, mm	G	12 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

### INCLUDED PRODUCTS

Housing	F4BC 508
Bearing	YAR 208-2LPW/SS

## ASSOCIATED PRODUCTS

End cover

ECB 508

More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
<a href="#">Flanged units to ISO standards</a>	<a href="#">Flanged units to ISO standards</a>	<a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a>	<a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a>	<a href="#">Bearing Select</a>	<a href="#">Bearing Select</a>
<a href="#">Flanged units to North American standards</a>	<a href="#">Flanged units to North American standards</a>	<a href="#">Principles of selecting mounted bearing units failure and how to prevent it</a>	<a href="#">Principles of selecting mounted bearing units failure and how to prevent it</a>	<a href="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
<a href="#">Flanged units to Japanese Industrial Standard (JIS)</a>	<a href="#">Flanged units to Japanese Industrial Standard (JIS)</a>			<a href="#">Rolling bearings mounting and dismounting instructions</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Flanged units, not standardized (SKF Food Line)</a>	<a href="#">Flanged units, not standardized (SKF Food Line)</a>				
<a href="#">Permissible misalignment</a>	<a href="#">Permissible misalignment</a>				
<a href="#">Locating/non-locating support</a>	<a href="#">Locating/non-locating support</a>				
<a href="#">flanged Loads</a>	<a href="#">flanged Loads</a>				
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>				
<a href="#">Permissible speed</a>	<a href="#">Permissible speed</a>				
<a href="#">Lubrication</a>	<a href="#">Lubrication</a>				
<a href="#">Mounting and dismounting</a>	<a href="#">Mounting and dismounting</a>				

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