



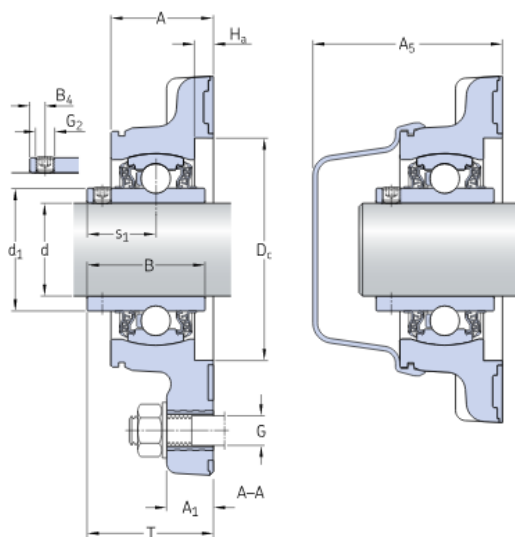
## F4BC 25M-TPSS Square flanged ball bearing units

Square flanged ball bearing units

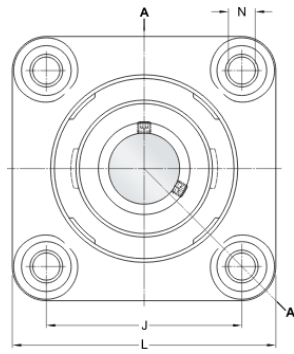
### Technical specification

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	25 mm
d <sub>1</sub>	≈ 33.74 mm
A	29 mm
A <sub>1</sub>	15 mm
A <sub>5</sub>	55.6 mm
B	34.1 mm
B <sub>4</sub>	5 mm
D <sub>c</sub>	62 mm
H <sub>a</sub>	6 mm
J	70 mm
L	99 mm
N	11.5 mm
s <sub>1</sub>	19.8 mm



T

36.8 mm

## CALCULATION DATA

Basic dynamic load rating	C	11.9 kN
Basic static load rating	$C_0$	7.8 kN
Fatigue load limit	$P_u$	0.335 kN
Limiting speed		4 300 r/min
with shaft tolerance h6		

## MASS

Mass bearing unit	0.35 kg
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## MOUNTING INFORMATION

Set screw	$G_2$	M6x0.75
Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

## INCLUDED PRODUCTS

Housing	F4BC 505
Bearing	YAR 205-2LPW/SS

## ASSOCIATED PRODUCTS

End cover

ECB 505

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="#">Download catalogue (4.9 MB)</a>	<a href="#">Download catalogue (4.9 MB)</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="#">Principles of selecting mounted bearing</a>	<a href="#">Principles of selecting mounted bearing</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="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</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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