

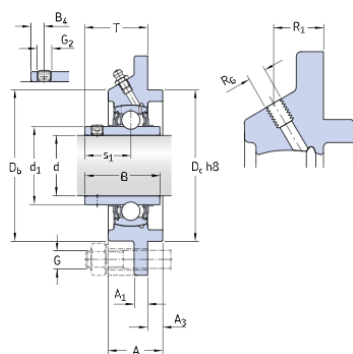
## FYC 45 TF

Round and triangular flanged ball bearing units

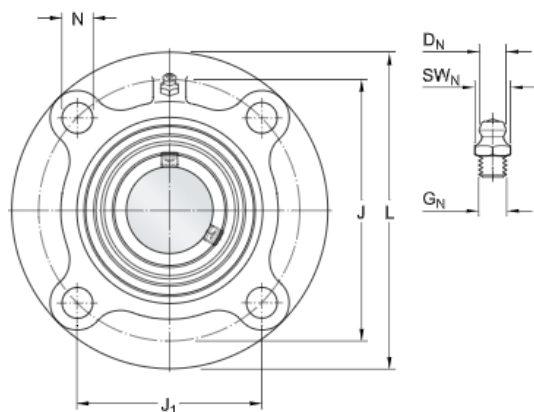
### Technical specification

Compliance with standard	JIS
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers

### DIMENSIONS



d	45 mm
d <sub>1</sub>	≈ 56.8 mm
A	37.5 mm
A <sub>1</sub>	14 mm
A <sub>3</sub>	12 mm
B	49.2 mm
B <sub>4</sub>	8 mm
D <sub>b</sub>	106.1 mm
D <sub>c</sub>	105 mm
J	132 mm
J <sub>1</sub>	93.3 mm
L	160 mm
N	16 mm



$s_1$	30.2 mm
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T	40.2 mm
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#### THREADED HOLE

$R_G$	1/4-28 UNF
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$R_1$	21 mm
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#### GREASE FITTING

$D_N$	6.5 mm
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$SW_N$	7 mm
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$G_N$	1/4-28 SAE-LT
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#### CALCULATION DATA

Basic dynamic load rating	C	33.2 kN
Basic static load rating	$C_0$	21.6 kN
Fatigue load limit	$P_u$	0.915 kN
Limiting speed		4 300 r/min
with shaft tolerance h6		

#### MASS

Mass bearing unit	2.55 kg
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#### MOUNTING INFORMATION

Set screw	$G_2$	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	14 mm
Recommended diameter for attachment bolts, inch	G	0.563 in

## INCLUDED PRODUCTS

Housing	FYC 509
Bearing	YAR 209-2F

## More information

Product details	Engineering information	Tools
<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="#">Bearing Select</a>
<a href="#">Flanged units to North American standards</a>	<a href="#">Principles of selecting mounted bearing solutions</a>	<a href="#">Engineering Calculator</a>
<a href="#">Flanged units to Japanese Industrial Standards (JIS)</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Flanged units, not standardized (SKF Food Line)</a>		
<a href="#">Ball bearing unit data</a>		
<a href="#">Loads</a>		
<a href="#">Temperature limits</a>		
<a href="#">Permissible speed</a>		
<a href="#">Lubrication</a>		
<a href="#">Mounting and dismounting</a>		
<a href="#">Designation system</a>		

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