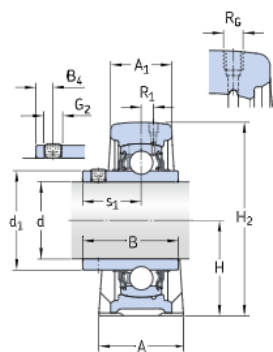


## SYF 45 TF

### Short base pillow block ball bearing units

## Technical specification

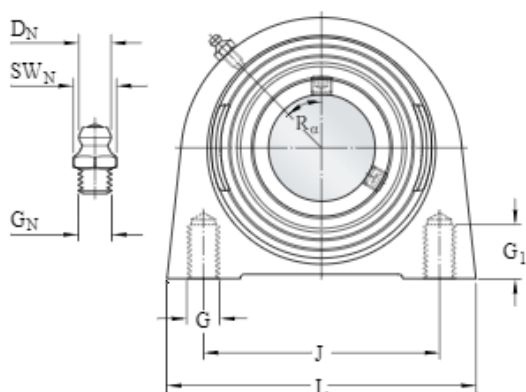
Compliance with standard	Not standardized
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



## DIMENSIONS

d	45 mm
d <sub>1</sub>	≈ 56.8 mm
A	48 mm
A <sub>1</sub>	32 mm
B	49.2 mm
B <sub>4</sub>	8 mm
H	54 mm
H <sub>2</sub>	107.5 mm
J	95.3 mm
L	120 mm
s <sub>1</sub>	30.2 mm

## THREADED HOLE



$R_G$	1/4-28 UNF
$R_1$	4 mm
$R_\alpha$	45 °

## GREASE FITTING

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

## 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	1.85 kg
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## MOUNTING INFORMATION

Thread for attachment bolts	G	M12
Thread length	$G_1$	22 mm
Set screw	$G_2$	M8x1
Hexagonal key size for set screw	N	4 mm
Recommended tightening torque for set screw		6.5 N·m

## INCLUDED PRODUCTS

Housing	SYF 509
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Bearing

YAR 209-2F

## More information

## Product details

[Pillow block units to ISO standards](#)[Pillow block units to North American standards](#)[Pillow block units to Japanese Industrial Standards \(JIS\)](#)[Pillow block units, not standardized \(incl. SKF Food Line\)](#)[Ball bearing unit data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Lubrication](#)[Mounting and dismounting](#)[Designation system](#)

## Engineering information

[Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)[Principles of selecting mounted bearing solutions](#)[Bearing failure and how to prevent it](#)

## Tools

[Bearing Select](#)[Engineering Calculator](#)[Rolling bearings mounting and dismounting instructions](#)

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