

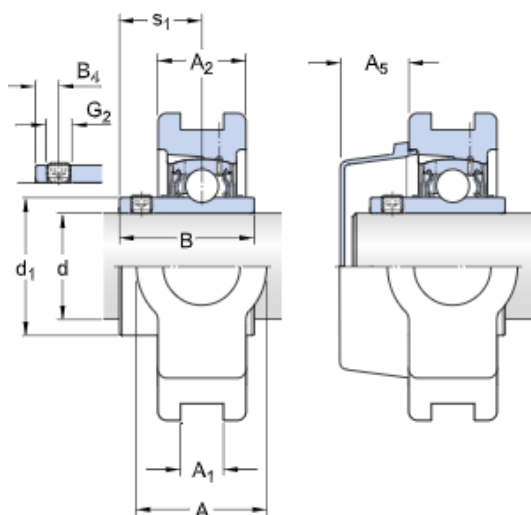


## TU 45 TF

### Take-up ball bearing units

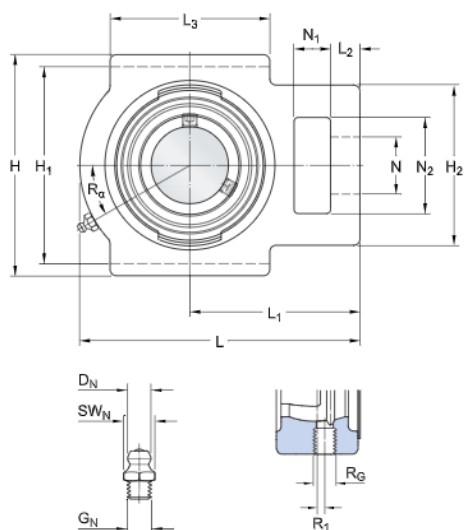
#### Technical specification

Compliance with standard	ISO
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	49 mm
A <sub>1</sub>	17.5 mm
A <sub>2</sub>	35 mm
A <sub>5</sub>	24 mm
B	49.2 mm
B <sub>1</sub>	49.2 mm
B <sub>4</sub>	8 mm
H	117 mm
H <sub>1</sub>	101 mm
H <sub>2</sub>	83 mm
L	144 mm



$L_1$	87 mm
$L_2$	15 mm
$L_3$	83 mm
$N$	29 mm
$N_1$	19 mm
$N_2$	49 mm
$s_1$	30.2 mm

#### THREADED HOLE

$R_G$	1/4-28 UNF
$R_1$	4.5 mm
$R_\alpha$	30 °

#### 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	2.3 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

## INCLUDED PRODUCTS

Housing	TU 509 M
Bearing	YAR 209-2F

## ASSOCIATED PRODUCTS

End cover	ECY 209
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## More information

## Product details

[Take-up units to ISO standards](#)

[Take-up units to North American standards](#)

[Take-up units to Japanese Industrial Standards \(JIS\)](#)

[Take-up units, not standardized \(SKF Food Line\)](#)

[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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