

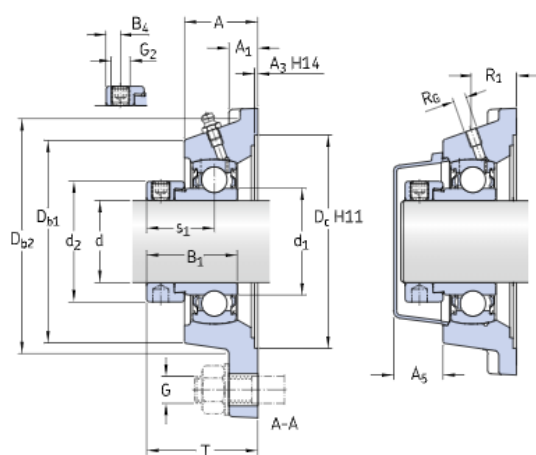


## FY 25 FM

## Square flanged ball bearing units

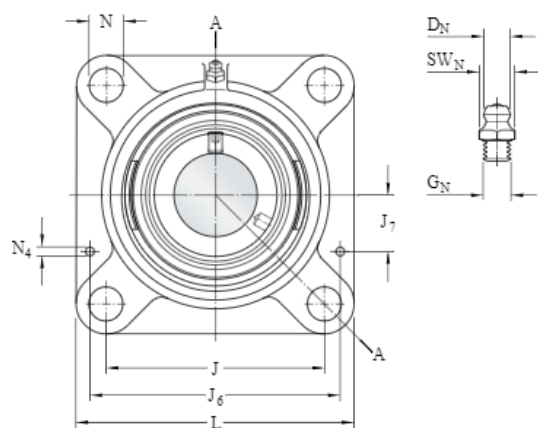
## Technical specification

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



## DIMENSIONS

d	25 mm
d <sub>1</sub>	≈ 33.74 mm
d <sub>2</sub>	37.4 mm
A	30 mm
A <sub>1</sub>	12 mm
A <sub>3</sub>	3.2 mm
A <sub>5</sub>	20.5 mm
B <sub>1</sub>	31 mm
B <sub>4</sub>	4.75 mm
D <sub>b1</sub>	65 mm
D <sub>b2</sub>	71 mm
D <sub>c</sub>	74.6 mm
J	70 mm



L	95 mm
N	11.5 mm
s <sub>1</sub>	23.5 mm
T	42.5 mm

## GREASE FITTING

D <sub>N</sub>	6.5 mm
SW <sub>N</sub>	7 mm
G <sub>N</sub>	1/4-28 SAE-LT

## THREADED HOLE

R <sub>G</sub>	1/4-28 UNF
R <sub>1</sub>	21 mm

## DOWEL PINS

J <sub>6</sub>	83 mm
J <sub>7</sub>	19 mm
N <sub>4</sub>	4 mm

## CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C <sub>0</sub>	7.8 kN
Fatigue load limit	P <sub>u</sub>	0.335 kN
Limiting speed		7 000 r/min
with shaft tolerance h6		

## MASS

Mass bearing unit	0.7 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	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	FY 505 M
Bearing	YET 205

## ASSOCIATED PRODUCTS

End cover	ECY 205
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## More information

## Product details

[Flanged units to ISO standards](#)

[Flanged units to North American standards](#)

[Flanged units to Japanese Industrial Standards \(JIS\)](#)

[Flanged 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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