

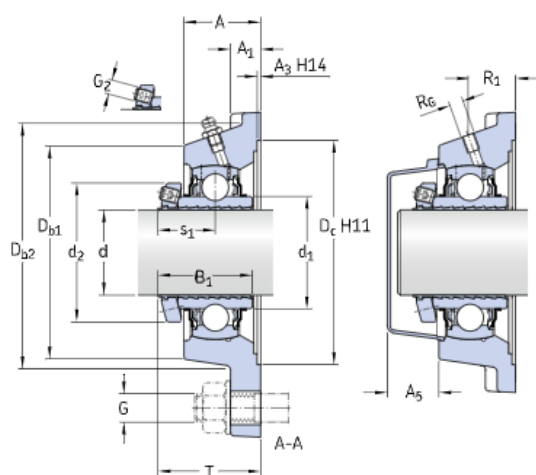


## FY 25 LF

## Square flanged ball bearing units

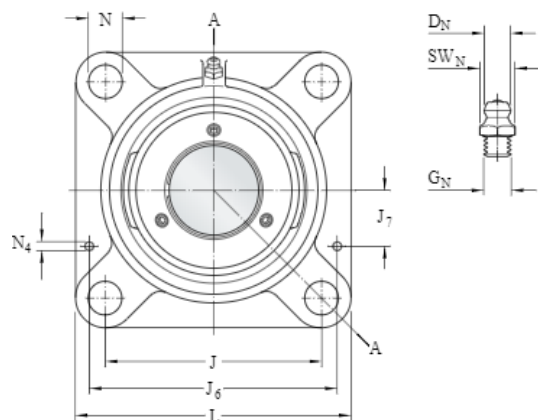
## Technical specification

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



## DIMENSIONS

d	25 mm
d <sub>1</sub>	≈ 3 3.7 4 mm
d <sub>2</sub>	41. 7 mm
A	30 mm
A <sub>1</sub>	12 mm
A <sub>3</sub>	3.2 mm
A <sub>5</sub>	20. 5 mm



$B_1$	33. 2 mm
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$D_{b1}$	65 mm
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$D_{b2}$	71 mm
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$D_c$	74. 6 mm
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$J$	70 mm
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$L$	95 mm
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$N$	11. 5 mm
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$s_1$	21. 2 mm
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$T$	40 mm
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Values specified for  $B_1$  and  $s_1$  are approximate and before the set screw is tightened (sleeve and inner ring bore at starting position).

#### 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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#### THREADED HOLE

$R_G$	1/4-28 UNF
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$R_1$	21 mm
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#### DOWEL PINS

$J_6$	83 mm
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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

## MASS

Mass bearing unit	0.71 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	M5
Hexagonal key size for set screw	N	2.54 mm
Recommended tightening torque for set screw		4.2 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	YSP 205 SB-2F

## 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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