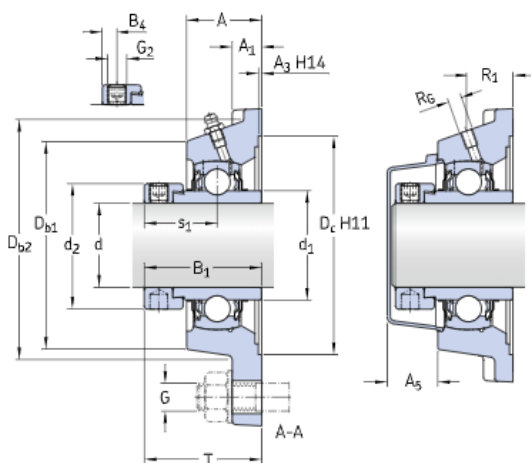


FY 25 WF

Square flanged ball bearing units

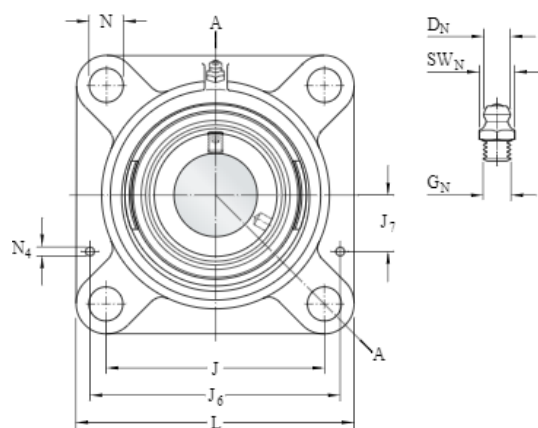
Technical specification

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 ₁	≈ 33.74 mm
d ₂	37.4 mm
A	30 mm
A ₁	12 mm
A ₃	3.2 mm
A ₅	20.5 mm
B ₁	44.4 mm
B ₄	4.75 mm
D _{b1}	65 mm
D _{b2}	71 mm
D _c	74.6 mm
J	70 mm



L	95 mm
N	11.5 mm
s ₁	26.9 mm
T	45.9 mm

GREASE FITTING

D _N	6.5 mm
SW _N	7 mm
G _N	1/4-28 SAE-LT

THREADED HOLE

R _G	1/4-28 UNF
R ₁	21 mm

DOWEL PINS

J ₆	83 mm
J ₇	19 mm
N ₄	4 mm

CALCULATION DATA

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

MASS

Mass bearing unit	0.76 kg
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MOUNTING INFORMATION

Set screw	G ₂	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	YEL 205-2F

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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