

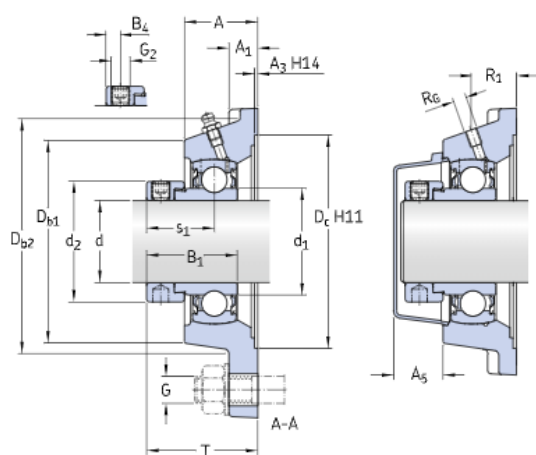


FY 35 FM

Square flanged ball bearing units

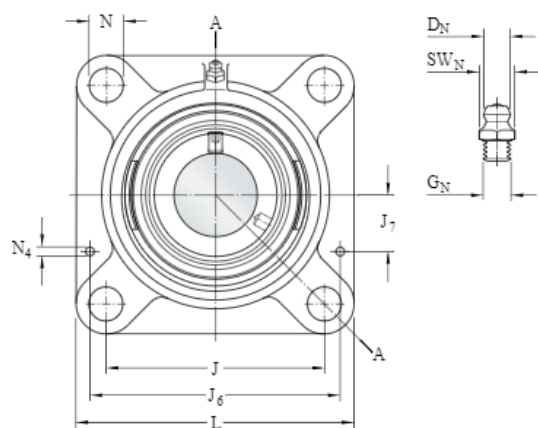
Technical specification

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



DIMENSIONS

d	35 mm
d ₁	≈ 46.1 mm
d ₂	51.1 mm
A	34.5 mm
A ₁	13 mm
A ₃	3.2 mm
A ₅	24.5 mm
B ₁	38.9 mm
B ₄	6.75 mm
D _{b1}	87 mm
D _{b2}	95 mm
D _c	106.4 mm
J	92 mm



L	118 mm
N	14 mm
s ₁	29.4 mm
T	50.4 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	22.5 mm

DOWEL PINS

J ₆	106 mm
J ₇	29 mm
N ₄	4 mm

CALCULATION DATA

Basic dynamic load rating	C	25.5 kN
Basic static load rating	C ₀	15.3 kN
Fatigue load limit	P _u	0.655 kN
Limiting speed		5 300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	1.3 kg
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MOUNTING INFORMATION

Set screw	G ₂	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m
Recommended diameter for attachment bolts, mm	G	12 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

INCLUDED PRODUCTS

Housing	FY 507 M
Bearing	YET 207

ASSOCIATED PRODUCTS

End cover	ECY 207
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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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