

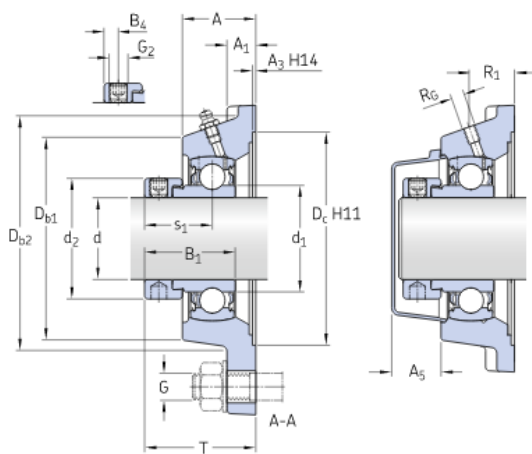


FY 55 FM

Square flanged ball bearing units

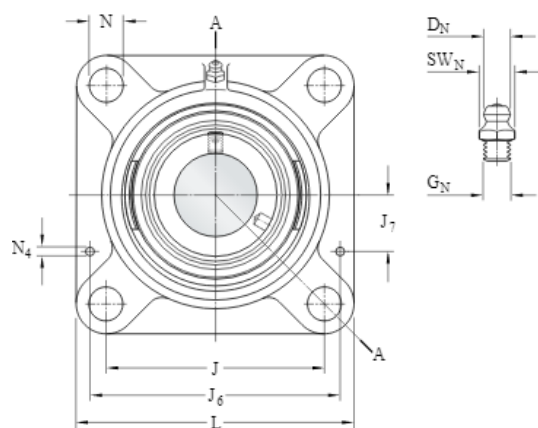
Technical specification

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



DIMENSIONS

d	55 mm
d ₁	≈ 69.06 mm
d ₂	74.5 mm
A	47.5 mm
A ₁	16 mm
A ₃	3.2 mm
A ₅	37.5 mm
B ₁	48.4 mm
B ₄	7.9 mm
D _{b1}	122 mm
D _{b2}	134 mm
D _c	150.8 mm
J	130 mm



L	162 mm
N	18 mm
s_1	35.9 mm
T	66.9 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	32 mm

DOWEL PINS

J_6	148 mm
J_7	45 mm
N_4	4 mm

CALCULATION DATA

Basic dynamic load rating	C	43.6 kN
Basic static load rating	C_0	29 kN
Fatigue load limit	P_u	1.25 kN
Limiting speed		3 600 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	3.15 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	16 mm
Recommended diameter for attachment bolts, inch	G	0.625 in

INCLUDED PRODUCTS

Housing	FY 511 M
Bearing	YET 211

ASSOCIATED PRODUCTS

End cover	ECY 211
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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 \(SKF Food Line\)](#)

[Permissible misalignment](#)

[Locating/non-locating support flanged](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Ordering information](#)

[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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