

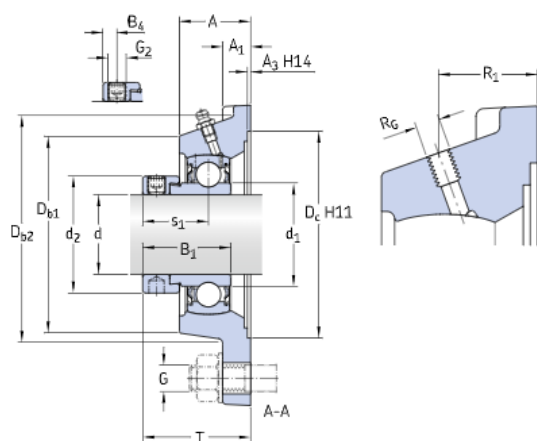


FY 17 FM

Square flanged ball bearing units

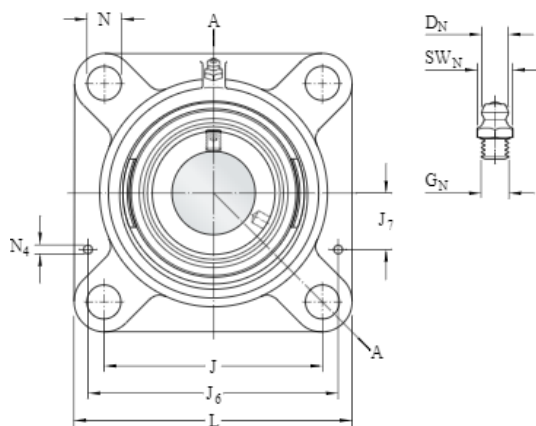
Technical specification

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



DIMENSIONS

d	17 mm
d ₁	≈ 24.2 mm
d ₂	27.2 mm
A	26 mm
A ₁	11 mm
A ₃	3.2 mm
B ₁	28.6 mm
B ₄	4.75 mm
D _{b1}	50 mm
D _{b2}	53 mm
D _c	55.6 mm
J	54 mm
L	76 mm



N	11.5 mm
s ₁	22.1 mm
T	39.6 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	19 mm

DOWEL PINS

J ₆	66 mm
J ₇	14.5 mm
N ₄	4 mm

CALCULATION DATA

Basic dynamic load rating	C	9.56 kN
Basic static load rating	C ₀	4.75 kN
Fatigue load limit	P _u	0.2 kN
Limiting speed		9 500 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.38 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 503 M
Bearing	YET 203

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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