

SYJ 100 TF

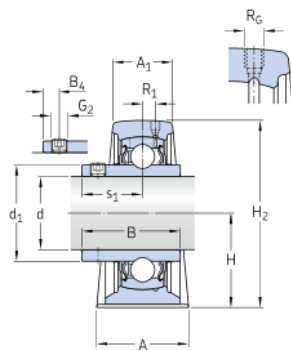
Pillow block ball bearing units



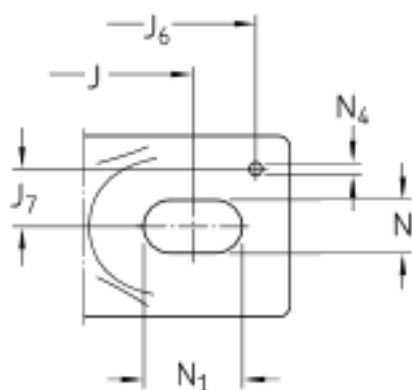
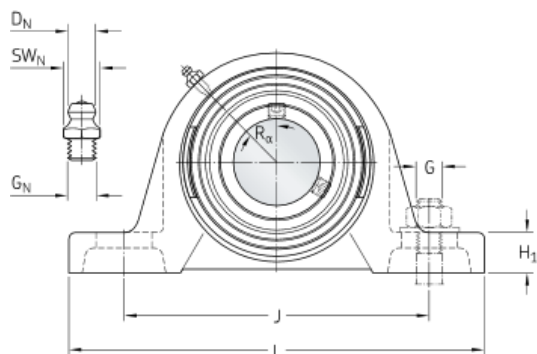
Technical specification

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

DIMENSIONS



d	100 mm
d ₁	≈ 124.8 mm
A	95 mm
A ₁	57 mm
B	98.4 mm
B ₄	18 mm
H	115 mm
H ₁	38 mm
H ₂	225.5 mm
J	308 mm
J	max. 330 mm
J	min. 286 mm
L	380 mm



N	26 mm
N ₁	48 mm
s ₁	63.4 mm

THREADED HOLE

R _G	1/4-28 UNF
R ₁	10.5 mm
R _α	45 °

GREASE FITTING

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

DOWEL PINS

J ₆	352 mm
J ₇	33.5 mm
N ₄	4 mm

CALCULATION DATA

Basic dynamic load rating	C	124 kN
Basic static load rating	C ₀	93 kN
Fatigue load limit	P _u	3.35 kN
Limiting speed		1900 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	17.9 kg
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MOUNTING INFORMATION

Set screw	G ₂	M12x1.5
Hexagonal key size for set screw	N	6 mm
Recommended tightening torque for set screw		28.5 N·m
Recommended diameter for attachment bolts, mm	G	24 mm
Recommended diameter for attachment bolts, inch	G	0.9375 in

INCLUDED PRODUCTS

Housing	SYJ 520
Bearing	YAR 220-2F

More information

Product details

[Pillow block units to ISO standards](#)

[Pillow block units to North American standards](#)

[Pillow block units to Japanese Industrial Standards \(JIS\)](#)

[Pillow block units, not standardized \(incl. SKF Food Line\)](#)

[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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