

SYJ 100 TF

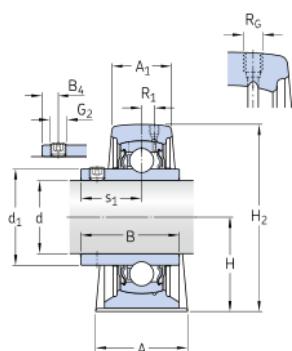


Pillow block ball bearing units

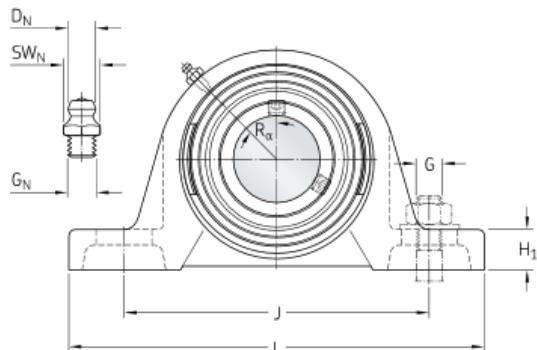
Technical specification

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

DIMENSIONS



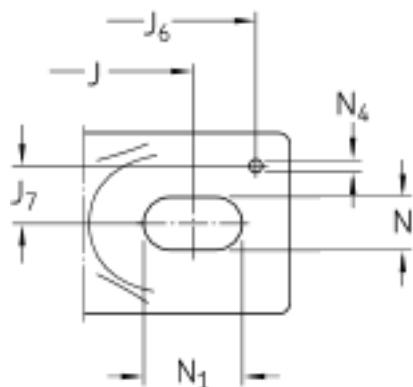
d	100 mm
d ₁	≈ 124.8 mm
A	95 mm
A ₁	57 mm
B	98.4 mm
B ₄	18 mm
H	115 mm
H ₁	38 mm
H ₂	225.5 mm
J	308 mm
J	max. 330 mm
J	min. 286 mm
L	380 mm



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	Engineering information	Tools
Pillow block units to ISO standards	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Bearing Select
Pillow block units to North American standards	Principles of selecting mounted bearing solutions	Engineering Calculator
Pillow block units to Japanese Industrial Standards (JIS)	Bearing failure and how to prevent it	Rolling bearings mounting and dismounting instructions
Pillow block units, not standardized (incl. SKF Food Line)		
Ball bearing unit data		
Loads		
Temperature limits		
Permissible speed		
Lubrication		
Mounting and dismounting		
Designation system		

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