

SYJ 25 KF

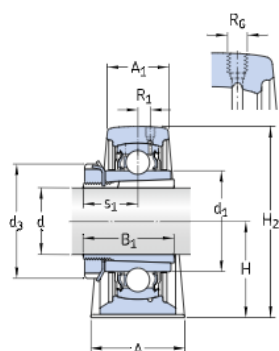
Pillow block ball bearing units



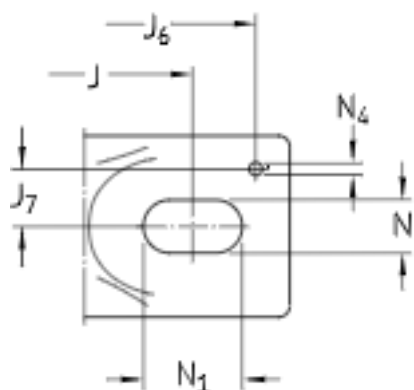
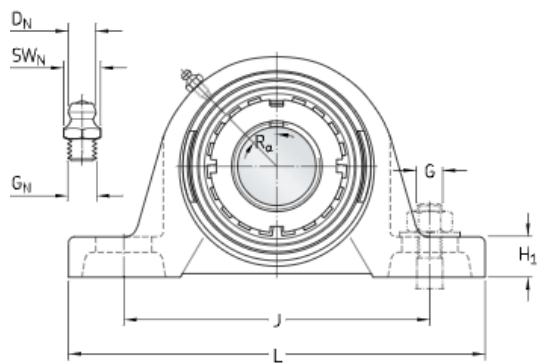
Technical specification

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

DIMENSIONS



d	20 mm
d ₁	≈ 3 3.7 4 mm
d ₃	38 mm
A	38 mm
A ₁	24 mm
B ₁	35 mm
H	36.5 mm



H_1	16 mm
H_2	70 mm
J	102.5 mm
J	max. 111 mm
J	min. 94 mm
L	140 mm
N	13 mm
N_1	21.5 mm
s_1	20.5 mm

Value specified for s_1 is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position).

THREADED HOLE

R_G	1/4-28 UNF
R_1	2 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	130 mm
J ₇	14 mm
N ₄	4 mm

CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C ₀	7.8 kN
Fatigue load limit	P _u	0.335 kN
Limiting speed		7 000 r/min

MASS

Mass bearing unit	0.72 kg
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MOUNTING INFORMATION

Associated spanner		HN 5-6
Recommended lock nut tightening angle	α	90 °
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	SYJ 505
Bearing	YSA 205-2FK

ASSOCIATED PRODUCTS

Adapter sleeve	H 2305
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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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