

SYJ 45 KF

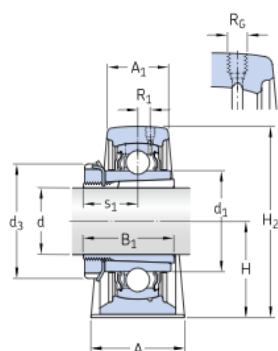
Pillow block ball bearing units



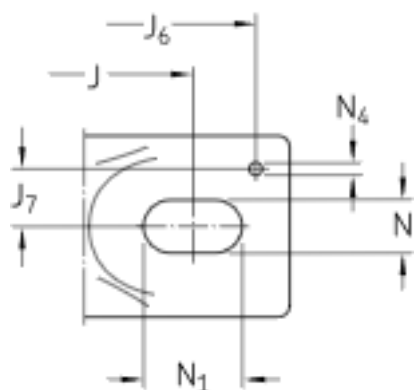
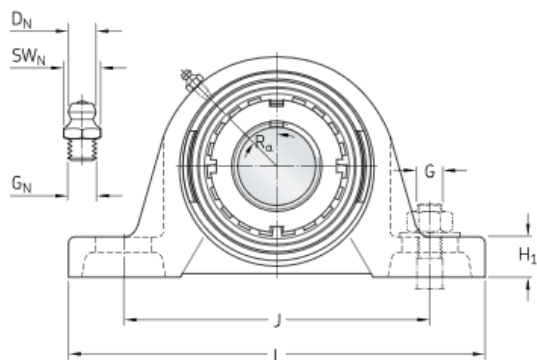
Technical specification

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

DIMENSIONS



d	40 mm
d ₁	≈ 56.8 mm
A	52 mm
A ₁	36 mm
H	54 mm
H ₁	20 mm
H ₂	107. 5 mm
J	143.



J	5 max. 151 mm
J	min. 136 mm
L	190 mm
N	17 mm
N ₁	24.5 mm

Value for s₁ 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	4 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	174 mm
J ₇	18 mm
N ₄	4 mm

CALCULATION DATA

Basic dynamic load rating	C	33.2 kN
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Basic static load rating	C_0	21.6 kN
Fatigue load limit	P_u	0.915 kN
Limiting speed		4300 r/min

MASS

Mass bearing unit	2.1 kg
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MOUNTING INFORMATION

Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.5625 in

INCLUDED PRODUCTS

Housing	SYJ 509
Bearing	YSA 209-2FK

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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