

SYJ 30 KF

Pillow block ball bearing units

The values depend on the included bearing:

table 1, table 2, table 3,
table 4

Technical specification

Order adapter sleeve separately

Compliance with standard

JIS

Housing material

Cast iron

Sealing solution

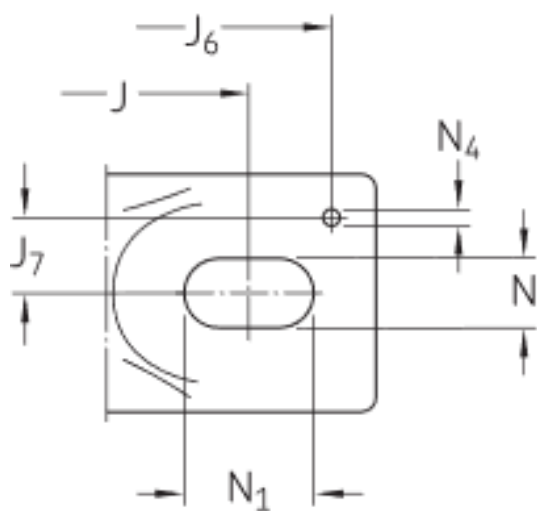
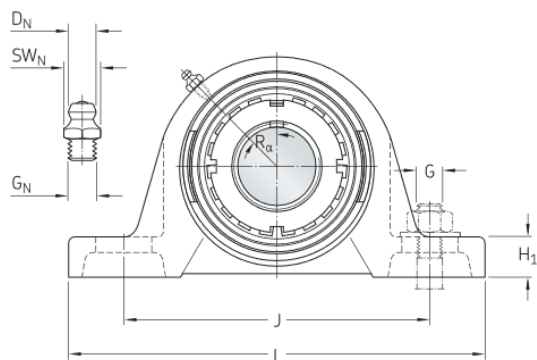
Standard seals with additional flingers



NOT FOUND

DIMENSIONS

d	25 mm	Bore diameter
d ₁	≈ 39.7 mm	Shoulder diameter inner ring
d ₃	45 mm	Outside diameter lock nut
A	42 mm	Base width
A ₁	27 mm	Top width
B ₁	38 mm	Width sleeve
H	42.9 mm	Height of spherical seat centre
H ₁	16 mm	Foot height
H ₂	82 mm	Overall height
J	118 mm	Distance between attachment bolts
J	max.125 mm	Distance between attachment bolts
J	min.111 mm	Distance between attachment bolts



L	165 mm	Overall length
N	17 mm	Diameter of attachment bolt hole
N ₁	24 mm	Length of attachment bolt hole
s ₁	22.5 mm	Distance from lock nut side face to raceway centre

Value specified for s₁ is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position).

THREADED HOLE

R _c	1/4-28 UNF	Housing thread for the grease fitting
R ₁	3 mm	Axial position of the housing thread
R ₀	45 °	Angular position of the housing thread

GREASE FITTING

DN	6.5 mm	Diameter of head sphere of grease fitting
SWN	7 mm	Hexagonal key size for the grease fitting
GN	1/4-28 SAE-LT	Thread of the grease fitting

DOWEL PINS

J ₆	155 mm	Distance of dowel pins
J ₇	15 mm	Axial offset of dowel pins
N ₄	4 mm	Recommended diameter for dowel pins

CALCULATION DATA

Basic dynamic load rating	C	19.5 kN
Basic static load rating	C ₀	11.2 kN
Fatigue load limit	P _u	0.475 kN
Limiting speed		6 300 r/min

MASS

Mass bearing unit	1.05 kg
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MOUNTING INFORMATION

Associated spanner	HN 5-6
Recommended lock nut tightening angle	α 95°
Recommended diameter for attachment bolts, mm	G 14 mm
Recommended diameter for attachment bolts, inch	G 0.563 in

INCLUDED PRODUCTS

Housing	SYJ 506
Bearing	YSA 206-2FK

ASSOCIATED PRODUCTS

Adapter sleeve	H 2306
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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 \(incl. SKF Food Line\)](#)

[Permissible misalignment](#)

[Locating/non-locating support](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Ordering information](#)

[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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