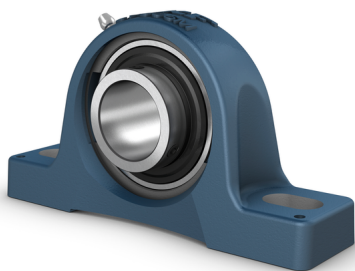


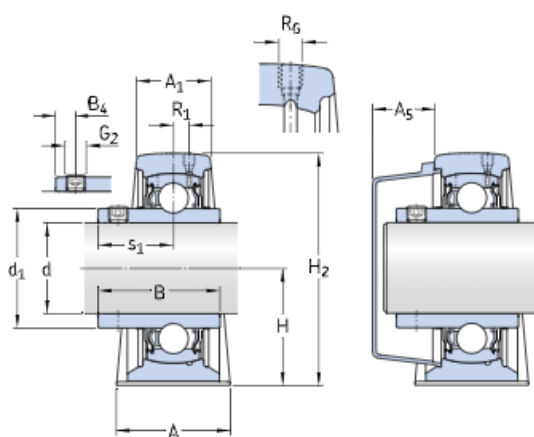
SY 1.3/16 TF

Pillow block ball bearing units



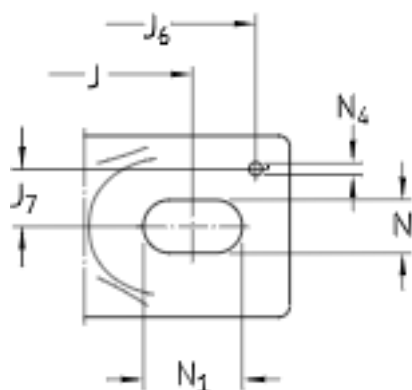
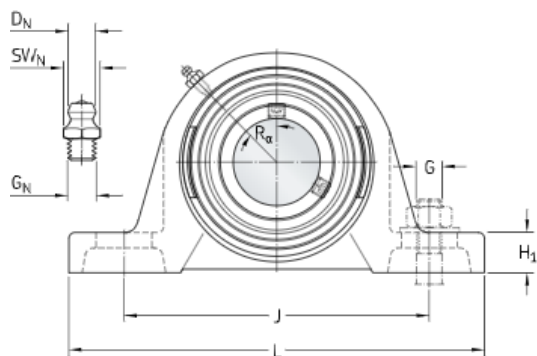
Technical specification

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



DIMENSIONS

d	30.163 mm
d ₁	≈ 39.7 mm
A	40 mm
A ₁	25 mm
A ₅	22.5 mm
B	38.1 mm
B ₄	5 mm
H	42.9 mm
H ₁	17 mm
H ₂	82 mm
J	117.5 mm
J	max. 127 mm
J	min. 108 mm



L	152 mm
N	14 mm
N ₁	23.5 mm
s ₁	22.2 mm

THREADED HOLE

R _G	1/4-28 UNF
R ₁	3 mm
R _α	45 °

GREASE FITTING

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

DOWEL PINS

J ₆	140 mm
J ₇	14 mm
N ₄	4 mm

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
with shaft tolerance h6		

MASS

Mass bearing unit	1.05 kg
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MOUNTING INFORMATION

Set screw	G ₂	1/4-28 UNF
Hexagonal key size for set screw	N	3.175 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	12 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

INCLUDED PRODUCTS

Housing	SY 506 M
Bearing	YAR 206-103-2F

ASSOCIATED PRODUCTS

End cover	ECY 206
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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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