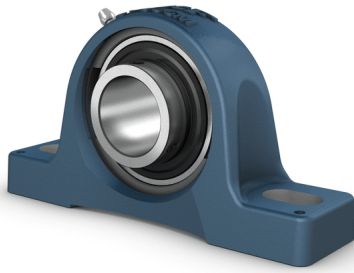


SY 40 TR Pillow block ball bearing units

Pillow block ball bearing units



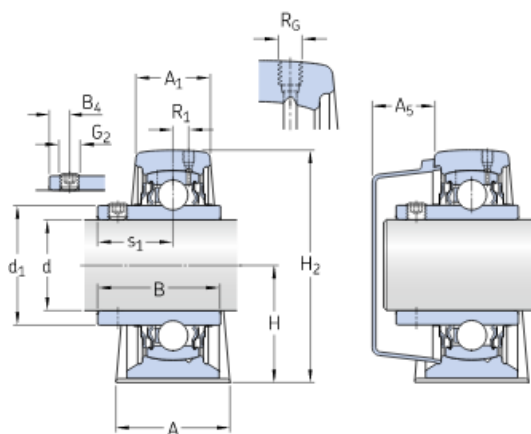
Technical specification

ISO

For material handling applications

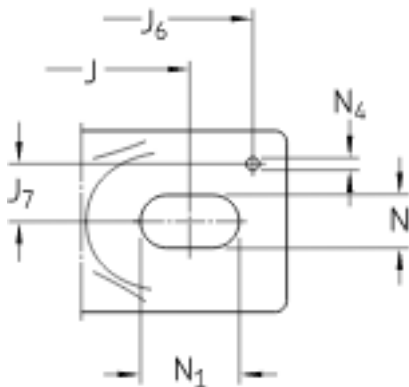
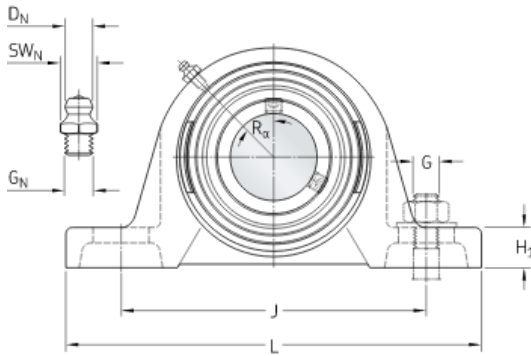
Cast iron

Multiple seals



DIMENSIONS

d	40 mm	Bore diameter
d ₁	≈ 51.8 mm	Shoulder diameter inner ring
A	48 mm	Base width
A ₁	30 mm	Top width
A ₅	26 mm	Standout of end cover
B	49.2 mm	Width inner ring
B ₄	8 mm	Distance from locking device side face to thread centre
H	49.2 mm	Height of spherical seat centre
H ₁	19 mm	Foot height
H ₂	99 mm	Overall height
J	135.5 mm	Distance between attachment bolts



J	max. 146 mm	Distance between attachment bolts
J	min. 125 mm	Distance between attachment bolts
L	175 mm	Overall length
N	14 mm	Diameter of attachment bolt hole
N ₁	24.5 mm	Length of attachment bolt hole
s ₁	30.2 mm	Distance from locking device side face to raceway centre

THREADED HOLE

1/4-28 UNF	Housing thread for the grease fitting
R ₁	3.5 mm
R _α	45 °

GREASE FITTING

D _N	6.5 mm	Diameter of head sphere of grease fitting
SW _N	7 mm	Hexagonal key size for the grease fitting
1/4-28 SAE-LT	Thread of the grease fitting	

DOWEL PINS

J _ε	161 mm	Distance of dowel pins
J _γ	17 mm	Axial offset of dowel pins
N	4 mm	Recommended diameter for dowel pins

CALCULATION DATA

C	30.7 kN	Basic dynamic load rating
C ₀	19 kN	Basic static load rating

P_u	0.8 kN	Fatigue load limit
	2 800 r/min	Limiting speed
		with shaft tolerance h6

MASS

1.8 kg	Mass bearing unit
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MOUNTING INFORMATION

M8x1	Set screw
	4 mm
	6.5 N·m
G	12 mm
G	0.5 in

INCLUDED PRODUCTS

SY 508 M	Housing
YAR 208-2RF	Bearing

ASSOCIATED PRODUCTS

ECY 208	End cover
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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)		
Permissible misalignment		
Locating/non-locating support		
Loads		
Temperature limits		
Permissible speed		
Lubrication		
Mounting and dismounting		
Ordering information		
Designation system		

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