

SYWK 40 YTH



NOT FOUND

Pillow block ball bearing unit with extended inner ring and set screw locking, composite

Pillow (plummer) block ball bearing units consist of an insert bearing mounted in a composite housing that is lightweight but robust and has excellent corrosion resistance. This variant is suitable for applications with both constant and alternating directions of rotation. It has an inner ring extended on both sides and is locked onto the shaft by tightening a set screw on the inner ring, making it easy to mount.

- Designed for a constant and alternating rotation
- Excellent corrosion resistance
- Lightweight
- Recyclable

Overview

Dimensions

Bearing width, total	1.937 in
Centre distance between bolt holes	5.354 in
Centre height (pillow block)	1.937 in
Housing overall width	1.89 in
Shaft diameter	1.575 in

Performance

Basic dynamic load rating	5 553 lbf
Basic static load rating	4 271 lbf
Limiting speed	2 800 r/min
Note	Limiting speed with shaft tolerance h6

Properties

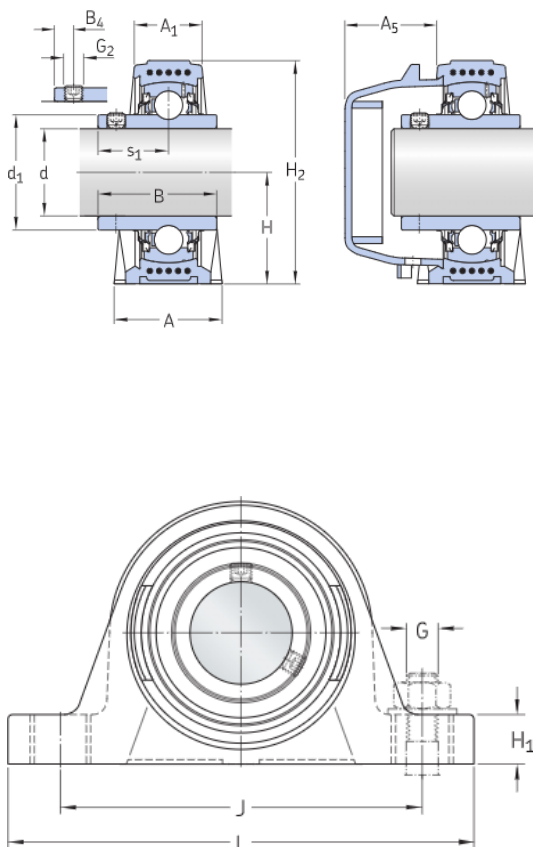
Bore type	Cylindrical
Coating	Without
Fastening bolt hole type	Plain
Grease fitting	Without
Housing type	Pillow block
Lubricant	Grease
Material, bearing	Stainless steel
Material, housing	Composite for the SKF Food Line
Number of bolt holes for fasteners	2
Relubrication hole	Without
Retaining feature, inner ring	Set screws

Rubber seating ring	Without
Sealing type	Contact, multiple
Sealing, bearing	Seal and flinger on both sides
Sealing, unit	Optional end cover

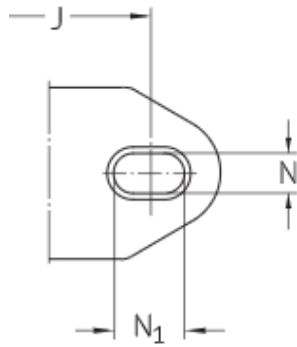
Technical Specification

Compliance with standard	ISO with boundary dimension deviations
Purpose specific	For food and beverage applications
Material, housing	Composite for the SKF Food Line
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, multiple
Sealing, unit	Optional end cover
Coating	Without

Dimensions



d	1.575 in	Bore diameter
d ₁	≈ 2.039 in	Shoulder diameter of inner ring
A	1.89 in	Base width
A ₁	1.181 in	Top width
A ₅	1.299 in	Width including end cover
B	1.937 in	Width of inner ring
B ₄	0.394 in	Distance from locking device side face to thread centre
H	1.937 in	Height of spherical seat centre
H ₁	0.748 in	Foot height
H ₂	3.898 in	Overall height
J	5.354 in	Distance between attachment bolts
J	max. 5.63 in	Distance between attachment bolts
J	min. 5.079 in	Distance between attachment bolts
L	6.929 in	Overall length
N	0.571 in	Diameter of attachment bolt hole
N ₁	0.846 in	Length of attachment bolt hole
s ₁	1.189 in	Distance from locking device side face to raceway centre



Calculation data

Basic dynamic load rating	C	5 553 lbf
Basic static load rating	C_0	4 271 lbf
Fatigue load limit	P_u	180 lbf
Limiting speed		2 800 r/min
Limiting speed with shaft tolerance h6		

Mass

Mass bearing unit	2.006 lb
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Mounting information

Set screw	G_2	M8x1
Hexagonal key size for set screw		0.157 in
Recommended tightening torque for set screw		57.53 lbf-in
Recommended diameter for attachment bolts, mm	G	11.989 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

Included products

Housing	SYWK 508 Y
Bearing	YAR 208-2RF/HV

Associated products

End cover

ECW 208

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