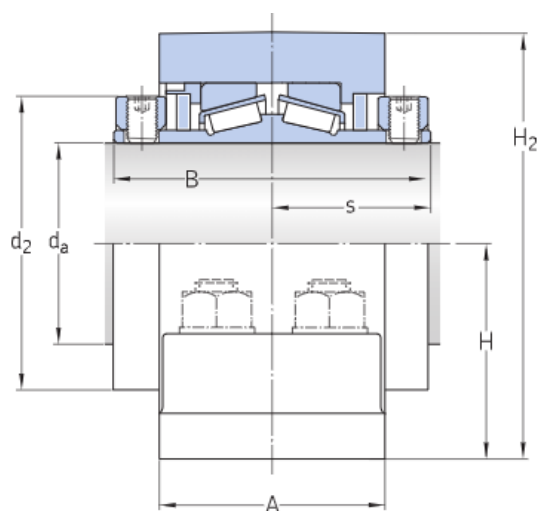


P4BE 500-TRB-STH

Pillow block roller bearing units

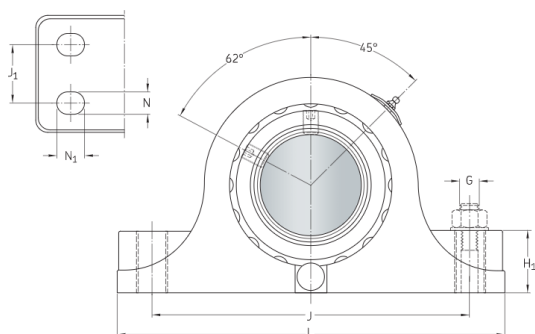
Technical specification

Metric/inch shaft	Inch
Bearing type	Tapered roller bearing
Bearing position	Locating
Locking method	Set screws
Sealing solution	Heavy-duty seals



DIMENSIONS

d_a	127 mm	Shaft diameter
d_2	174.625 mm	Collar outer diameter
A	130.175 mm	Housing foot width
B	184.15 mm	Inner ring width
H	139.7 mm	Height base to center
H_1	76.2 mm	Housing foot height
H_2	271.463 mm	Housing height
J	min. 387.35 mm	Distance between attachment bolts, max.
J	max. 400.05 mm	Distance between attachment bolts, min.
J	393.7 mm	Distance of attachment bolts
J_1	73.025 mm	Axial distance bolt to bolt



L	469.9 mm	Housing length
N	25.4 mm	Width foot slot width
N ₁	31.75 mm	Length of attachment bolt hole
s	92.075 mm	Centre line unit to side face of inner ring

CALCULATION DATA

Basic dynamic load rating	C	618 kN
Basic static load rating	C ₀	1 040 kN
Fatigue load limit	P _u	106 kN
Comparative radial load rating	C _F	170 kN
Limiting speed		1 150 r/min
Limiting value	e	0.46
Axial load factor	Y ₁	1.5
Axial load factor	Y ₂	2.2
Axial load factor	Y ₀	1.4
Bearing mean diameter	d _m	166.776 mm
Axial holding force of the locking mechanism	P _a	31.1 kN

MASS

Mass bearing unit	57.4 kg
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MOUNTING INFORMATION

Attachment bolt diameter	G	0.875 in
Set screws		4 x 5/8-11
Tightening torque for set screws		148.58 Nm
Grease quantity for relubrication		42.5 g

More information

Product details

[Pillow block units - metric series](#)[Pillow block units - inch series](#)[Permissible misalignment](#)[Locating / non-locating support](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Lubrication](#)[Mounting and dismounting](#)[Condition Monitoring](#)[Associated products](#)[Ordering information](#)[Designation system for SKF Pillow block roller bearing units](#)

Engineering information

[Principles of selecting mounted bearing solutions](#)[Bearing failure and how to prevent it](#)

Engineering tools

[Bearing Select](#)[Rolling bearings mounting and dismounting instructions](#)

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