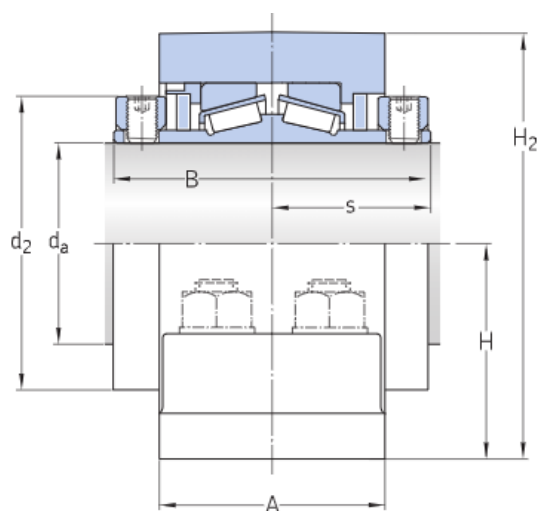


P4BE 110M-TRB-STH

Pillow block roller bearing units

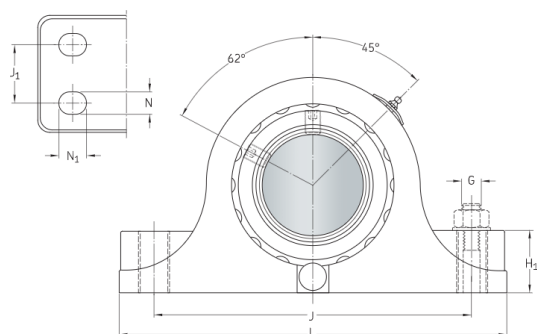
Technical specification

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



DIMENSIONS

d_a	110 mm	Shaft diameter
d_2	155.575 mm	Collar outer diameter
A	117.475 mm	Housing foot width
B	171.45 mm	Inner ring width
H	120.65 mm	Height base to center
H_1	69.85 mm	Housing foot height
H_2	238.125 mm	Housing height
J	min. 336.55 mm	Distance between attachment bolts, max.
J	max. 349.25 mm	Distance between attachment bolts, min.
J	342.9 mm	Distance of attachment bolts
J_1	63.5 mm	Axial distance bolt to bolt



L	422.275 mm	Housing length
N	23.813 mm	Width foot slot width
N ₁	30.163 mm	Length of attachment bolt hole
s	85.725 mm	Centre line unit to side face of inner ring

CALCULATION DATA

Basic dynamic load rating	C	454 kN
Basic static load rating	C ₀	735 kN
Fatigue load limit	P _u	76.5 kN
Comparative radial load rating	C _F	125 kN
Limiting speed		1 300 r/min
Limiting value	e	0.52
Axial load factor	Y ₁	1.3
Axial load factor	Y ₂	1.9
Axial load factor	Y ₀	1.3
Bearing mean diameter	d _m	145.113 mm
Axial holding force of the locking mechanism	P _a	31.1 kN

MASS

Mass bearing unit	41.4 kg
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MOUNTING INFORMATION

Attachment bolt diameter	G	0.75 in
Set screws		4 x 5/8-11
Tightening torque for set screws		148.58 Nm
Grease quantity for relubrication		28.3 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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