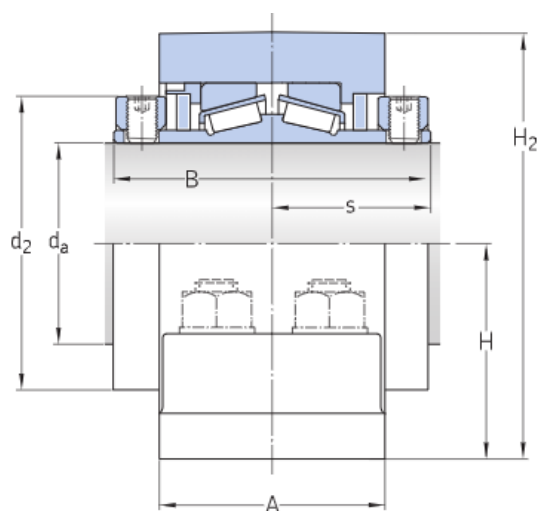


# P4BE 125M-TRB-STH

## Pillow block roller bearing units

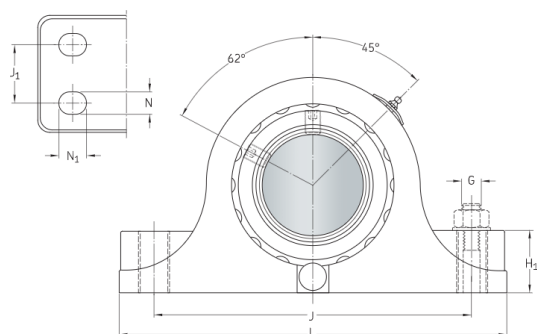
### Technical specification

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



### DIMENSIONS

|       |                |   |
|-------|----------------|---|
| $d_a$ | 125 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 <sub>1</sub> | 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 <sub>0</sub> | 1 040 kN    |
| Fatigue load limit                           | P <sub>u</sub> | 106 kN      |
| Comparative radial load rating               | C <sub>F</sub> | 170 kN      |
| Limiting speed                               |                | 1 150 r/min |
| Limiting value                               | e              | 0.46        |
| Axial load factor                            | Y <sub>1</sub> | 1.5         |
| Axial load factor                            | Y <sub>2</sub> | 2.2         |
| Axial load factor                            | Y <sub>0</sub> | 1.4         |
| Bearing mean diameter                        | d <sub>m</sub> | 166.776 mm  |
| Axial holding force of the locking mechanism | P <sub>a</sub> | 31.1 kN     |

## MASS

|                   |         |
|-------------------|---------|
| Mass bearing unit | 58.1 kg |
|-------------------|---------|

## 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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