



## Pillow Blocks (RPB 215-C2)

### APPLICATION

Conveyor moving sand from classifier to stockpile.

### SOLUTION TYPE

Cost savings through increased uptime, maintenance labor and replacement part reductions.

### DESCRIPTION OF PROBLEM

The competitor's Type E 2-15/16 bearings, at the tail end of the conveyor, were exposed to wet sand. Additionally the screw take-ups on the tail pulley caused bearing misalignment. This led to compromised bearing seals and intrusion of wet sand into the bearing assembly.

### SEALMASTER® SOLUTION

Sealmaster RPB 215-C2 tapered roller bearings maintain an effective seal within a static misalignment range of +/- 3 degrees, dramatically improving seal performance. This makes them an ideal replacement in this wet, sandy application.

### KEY CUSTOMER NEED(S) AND BENEFITS FROM SEALMASTER PRODUCTS

The Sealmaster RPB tapered roller bearings have greatly increased bearing life and improved maintenance, replacement and downtime costs, according to customer feedback. The superior performance of the Sealmaster product has created a life-long relationship.

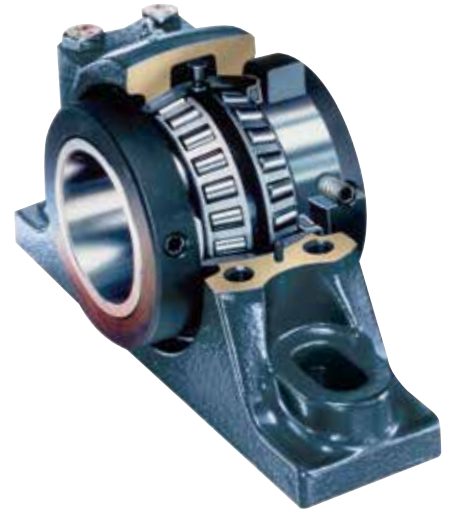


# Pillow Blocks

## (RPB 215-C2)

### FEATURES AND BENEFITS

- Sealmaster RPB series heavy duty tapered roller bearing designed for radial, thrust and combination loading are available with a wide variety of features:
  - Inch and metric bore size from 1 3/16" to 5" bore and 35 to 125 mm
  - Multiple housing styles (RPB- 2 and 4 bolt pillow block / RFB - 4 bolt flange, RFP - Piloted flange)
  - Multiple locking styles (Double lock collar as standard, Single lock collar specify a -A style)
  - Multiple sealing options
  - Non-expansion and expansion
- Unitized, replaceable cartridge insert allowing +/- 3 degrees static misalignment capability has factory controlled clearances and is factory lubricated.
- Durable, cast iron, split housings allow quick insert replacement when change-out is needed while the housing base remains fixed and aligned with the shaft, reducing downtime and maintenance costs.
- Anti-rotation pin helps prevent the bearing OD from creep/rotation due to vibration over time.
- Direct lube and venting system:
  - Provides a direct lubrication path into the bearing
  - Secondary internal relief port helps prevent seal damage by venting pressure from over greasing
  - Grease fitting position at 30° resulting in less chance of being broken off
- Race mounted seals are not subject to misalignment distortion and direct contaminant away from the sealing surface available as:
  - Standard felt lined flinger seal, which acts as a filter to help exclude dry, dusty and dirty contaminants
  - Contact seal available for wet, moist conditions (-C)
  - Nomex\* lined flinger seals are available for high temperature applications up to 400 degrees F(-N)
- Lock collars with two, diamond faceted point setscrews at 120 degrees for balanced, three point contact.
- Expansion roller bearing pillow blocks available for use when significant temperature differentials are expected between shafts and mounting structures or shaft is unusually long - specify ERPB.
- Permanent metal nameplate allows for easy identification after years of operation.



**SEALMASTER**®

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#### APPLICATION CONSIDERATIONS

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