MIRO®
INDUSTRIES, INC.
ROOFTOP SUPPORT PRODUCTS

800-768-6978
www.miroind.com
Revision 4/2013

Maximum Pipe Size:
3"   Inside diameter
3-3/4"   Outside diameter

Specification and Data Sheet
MODEL NO. 3-R-2 and 3-R-4

1. **Product Name**: PILLOW BLOCK PIPESTAND MODEL NO. 3-R **NOTE:** Pillowblock pipestand model numbers correspond to typical "trade" pipe sizes. The models 3-R-2 and 3-R-4 can hold up to a 3-3/4" maximum outside dimension pipe.

2. **Manufacturer:** MIRO INDUSTRIES, INC., 844 South 430 West, Suite 100, Heber City, Utah 84032   Phone (800) 768-6978
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3. **Product Description**: A "roller-bearing" pipe support used to support roof mounted gas pipes, electrical conduit, solar piping and other mechanical piping. Unique design absorbs thermal expansion and contraction of pipes thus preventing damage to the roof membrane. Pipes rest on a polycarbonate resin roller and a polycarbonate axle situated in a MIRON TPC™ or polycarbonate resin base. Each pipestand will accommodate up to 3-3/4" outside diameter pipes.

4. **Product Performance:** The polycarbonate roller serves to keep the pipestand system directly beneath the pipe without binding. It also allows for some lateral expansion of the pipe system. Guide holes are provided at the top of the cradle for any desired installation of a MIRO Pipe Strap using #8 x 1/2" screws to prevent separation of the pipe from the support. The base is gently rounded to prevent gouging the roof membrane.

5. **Compatibility**: Pillow Block Pipestands are recommended and are compatible for use with all current types of decking and with all commonly used built-up and single-ply roofing membranes where roof-mounted pipes occur.

6. **Load Weight**: Maximum load weight may not exceed 79 lbs. per pipestand.

7. **Composition and Materials**: A one-piece roof deck base, a roller housing support composed of rigid polycarbonate resin with carbon black added for UV resistance and protection, and a roller made of polycarbonate resin which rests on a MIRON TPC™ or polycarbonate axle of 9/16" diameter.

8. **Size**: The Pillow Block Pipestand Model 3-R-2 and 3-R-4 have a deck base of 7.75" square, the top of the cradle is 4" high, and the maximum width of the interior of the cradle is 3.875". Rod and pipes supported on the 3-R-2 pipestand will have a clearance of 2-1/8". Rod and pipes supported on the 3-R-4 pipestand will have a clearance of 4". Model 3-R spacers can be stacked 2 or 3 high to give greater height to the pipe or conduit. Each 3-R spacer increases the clearance of the pipe by 2".

9. **Installation**: To install the pillow block pipestands, (1) center the pipestand beneath the pipe so that the cradle allows the pipe to be squarely over and through the cradle of the pipestand. (2) Set the pipe in the pipestand without dropping or causing undue impact. An additional sheet of roofing material, a MIRO Support Pad, or a MIRO Deck Plate should be installed beneath the pipestand. For built-up roofs, all loose aggregate from an area 12" square should be removed from the area directly beneath the pipestand and then follow the installation directions set forth above.

    In addition, the pipe may be secured to the pipestand by using a MIRO Pipe Strap and #8 stainless steel screws in the guide-holes at the top of each pipestand. Note: allow sufficient room between the pipe and the strap to provide for free movement of the pipe without binding.

10. **Spacing**: Manufacturer's recommended spacing is not to exceed 7 feet centers depending upon the load. Make certain each pipestand is properly elevated to even load weight at all pipestands. Support spacing is not to exceed the maximum spacing required in the pipe specifications where applicable.

11. **Availability**: Pillow Block Pipestands are marketed throughout the United States through representatives and distributors.

12. **Maintenance**: Normally maintenance is not required. Semi-annual inspection is required to check pipestand position and set pipe alignment, weight distribution, and improper installation which may cause pipestand damage or failure.

13. **Technical Services:** Please call MIRO INDUSTRIES, INC.: (800) 768-6978 or visit our website *www.miroind.com* for technical information and for graphic and CAD drawing downloads.