

Optimal Pipe Size:

Up to a 4" Pipe or
5-1/2" Max OD

Product Data Sheet

4-RAH-10 and 4-RAH-14

- Product Name:** Roller Support 4-RAH-10 and 4-RAH-14. **NOTE:** Roller Support pipestand model numbers correspond to the optimal pipe sizes for the support. With variation in pipe wall thickness and actual outside dimensions, or where the pipe is insulated, the 4-RAH-10 and 4-RAH-14 can accommodate up to a 5-1/2 inch maximum outside diameter. The 4-RAH-10 and 4-RAH-14 will hold up to all nominal and customary 4 inch and smaller pipe sizes. Larger pipe with up to a maximum outside diameter of 5-1/2 inches may be placed on the Model 4-RAH-10 and 4-RAH-14 at reduced support spacing as approved by MIRO Industries.
- Manufacturer:** MIRO INDUSTRIES, INC.
844 South 430 West, Suite 100,
Heber City, Utah 84032
Phone: (800) 768-6978
Fax: (800) 440-7958
- Product Description:** A "roller-bearing" pipe support used to support roof-mounted gas pipes, electrical conduit, solar piping, or other mechanical piping. The 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 collar assembly that is attached to a polycarbonate resin base via 3/8 inch stainless-steel all-thread. The height of the roller assembly can be adjusted down on the all-thread to meet project specific heights and slopes.
- 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. All base edges are gently rounded to prevent gouging the roof membrane.
- Compatibility:** The 4-RAH-10 and 4-RAH-14 pipestands are recommended and are compatible to use with all current deck types and with all commonly used built-up and single-ply roofing membranes where roof-mounted pipes occur.
- Load Weight:** Maximum load weight on the 4-RAH-10 may not exceed 335 pounds per pipestand. Maximum load weight on the 4-RAH-14 may not exceed 186 pounds per pipestand.
- Composition and Materials:** The pipestand consists of three major components: (1) A polycarbonate resin deck base, (2) stainless-steel vertical all-thread with hot-dip galvanized hardware, and (3) a polycarbonate axle/roller assembly. Carbon black is added to the polycarbonate resin for UV-resistance and protection.
- Size:** The 4-RAH-10 and 4-RAH-14 have a 9 x 15-1/4 inch deck base and a roller assembly that can carry up to a 5-1/2 inch maximum outside diameter pipe (including insulation). The 4-RAH-10 and 4-RAH-14 supports are optimally designed to carry a 4 inch pipe. The 4-RAH-10 can adjust from the factory-set maximum height of 9-5/8 inches down to 4-1/2 inches from the deck to the bottom of the pipe. The 4-RAH-14 can adjust from the factory-set maximum height of 13-5/8 inches down to 4-1/2 inches from the deck to the bottom of the pipe.
- Installation:** To install the 4-RAH series pipestand, (1) center the pipestand beneath the pipe so that the pipe will rest centered directly on the roller. (2) Set the pipe in the pipestand without dropping or causing any undue impact. (3) An additional sheet of roofing material, or a MIRO Support Pad should be installed beneath the pipestand. For built up roofs, clear all loose aggregate from an area 2 inches outside each base footprint and then follow the installation directions outlined above. Care should be taken to install each pipestand, so it supports a proportional and equal amount of weight with all other pipestands.

In addition, the pipe may be secured to the pipestand by using a MIRO Pipe Guide. The pipe guide is attached to the stand by removing the nuts from the top of the support, placing the pipe guide on the all-thread and re-installing the nuts. **Note:** the pipe guide should not be rigidly-attached to the pipe in the pipestand, thus allowing the supported pipe to expand and contract without binding.
- Spacing:** Manufacturer's recommended spacing is not to exceed 10 foot centers depending upon the load. Make certain each pipestand is properly elevated and adjusted to ensure even-load distribution to all pipestands. Support spacing is not to exceed the maximum spacing required in the pipe specifications, where applicable.
- Availability:** The 4-RAH-10 and 4-RAH-14 pipestands are marketed throughout the United States through representatives and distributors.
- Maintenance:** Normal maintenance is not required. Semi-annual inspection is required to check pipestand position and set pipe alignment, check proper weight distribution, and to correct improper installation that may cause pipestand damage or failures.
- 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.