

**Maximum Pipe Size:**  
 16" Inside diameter  
 18" Outside diameter

## Specification and Data Sheet

# MODEL NO. 16-H

1. **Product Name:** PILLOW BLOCK PIPESTAND MODEL NO. 16-H **NOTE:** Pillowblock pipestands are given model numbers which correspond to usual or nominal pipe names. Pipe that is called "sixteen-inch" or 16" pipe has a 16" inside diameter and a larger outside diameter. Model 16-H will hold up to all usual and customary 16" and smaller pipe sizes, referring to the inside diameter. The maximum outside dimension of the pipe or conduit the model 16-H will hold is 18" diameter.
2. **Design Emphasis:** The 16-H and related hangers have been designed specifically for 8" to 16" gas piping, conduit and especially for chilled water and return drain piping of the same size. The versatility of the design for this product enables it to expand to hold any number of pipe running along the roof for maximum efficiency and cost savings to customers, contractors, and owners. Thus, this pipehanger product can be used to hold ganged piping 2, 3, 4 or more across and at varying heights above the roof. See below.
3. **Manufacturer:** MIRO INDUSTRIES, INC., 2700 South 900 West, Salt Lake City, Utah 84119  
 Phone (800) 768-6978  
 Fax (800) 440-7958
4. **Product Description:** A "roller-bearing" or "clevis hanger" pipe support hanger used to support roof mounted gas pipes, HVAC piping, 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 or steel roller or clevis hanger. The pipe support base is made of polycarbonate resin, stainless steel or hot-dip galvanized steel and all other metal parts are hot-dip galvanized. Pipestand will accommodate up to a 16" inside diameter pipe or up to 18" outside diameter pipes.
5. **Product Performance:** The roller or clevis hanger system serves to keep the pipestand hanger system directly over and beneath the pipe without binding and allows for some lateral expansion of the piping system. The base is gently rounded to prevent gouging the roof membrane. Drainage ports are provided in the metal bases to prevent ponding within the device.
6. **Compatibility:** Pillow Block Pipestands are recommended for use on and compatible with all current types of decking and with all commonly used built-up and single-ply roofing membranes where roof-mounted pipes occur. With heavier loads it is prudent to use a MIRO support pad or traffic pad to further protect the roof membrane.
7. **Load Weight:** Maximum load weight not to exceed 1,600 lbs. per pipestand or 800 lbs. on each base.
8. **Composition and Materials:** The pipestand consists of three major components: (1) Two roof deck bases made of 11-gauge stainless or hot-dip galvanized steel or sturdy polycarbonate bases which set upon the roof membrane, (2) A braced strut assembly of 3" square strut made of 11-gauge hot-dip galvanized steel which is supported by, rests upon, and is connected to the two or four bases, and (3) a hanger system supported by the strut consisting of a stainless steel all-thread supporting rod which suspends a clevis hanger or a steel or polycarbonate resin roller system all suspended from the strut assembly.
9. **Size:** The Pillow Block Pipestand Model 16-H is made as follows: Each of the two deck bases is 20" by 20" (Stainless Steel or Hot-dip Galvanized), or 39" by 16" (Polycarbonate), has a cradle width which allows a minimum of 24" between the strut assembly, and can be built to adjust in height to support pipe from a low of 2 inches to a desired custom height. The strut is 3" square, the strut assembly is constructed at various heights to give pipe clearance adjustment above the roof.
10. **Adjustable Height:** The model 16-H and its related configurations allow adjustable height as desired or required by the code or roof system. Each model can be configured to allow plus or minus height above the roof. Cross-bracing two pipestands every 4<sup>th</sup> or 5<sup>th</sup> pipestand is recommended and required for elevations 24" and higher. Purchasers should specify desired heights upon ordering the pillowblock hangers.
11. **Installation Process:** (1) Center the pipestand beneath the pipe so that the cradle allows the pipe to be squarely over and through the roller or clevis hanger of the pipestand. (2) Adjust the pipestand to the desired height and to even load with other pipestands. Make certain the horizontal support strut is level. (3) Set the pipe in the clevis hanger without dropping or causing undue impact. For heavier loads, it is prudent to install an additional sheet of roofing material, a MIRO Deck Plate or MIRO Support Pad beneath the pipestand. For built up roofs, all loose aggregate from an area 24" square should be removed from the area directly beneath the pipestand and then follow the installation directions set forth above. Care should be taken to install each pipestand so it supports a proportional and equal amount of weight at each pipestand.  
 OPTIONAL METHOD OF INSTALLATION (Not Recommended): Where code requires or as desired, the pipestands may be attached to the roof structure by appropriate and compatible rooftop fasteners through holes then drilled in the bases.
12. **Spacing:** Manufacturer's recommended spacing is not to exceed 10 foot centers depending upon the load. Do not exceed 1,600 lbs. load weight (800 lbs. on each base) and make certain each pipestand is adjusted in height to even load at all pipestands.
13. **Availability:** Pillow Block Pipestands are marketed throughout the United States through representatives and distributors.
14. **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.
15. **Installation and Technical Services:** Please call MIRO INDUSTRIES, INC.: (800) 768-6978. [www.miroind.com](http://www.miroind.com) for technical information and for graphic and CAD drawing downloads.