

## Specification and Data Sheet

# MODEL NO. 16-H

1. **Product Name:** PILLOW BLOCK PIPESTAND 16-H
2. **Design Emphasis:** The 16-H has been designed specifically for nominal or "trade" pipe sizes up to 16". The versatility of the design for this product enables it to hold any number or combination of pipes running along the roof for maximum efficiency and cost savings to customers, contractors and owners. The 16-H can be used to hold a single pipe, or a series of pipes at varying heights above the roof. See below.
3. **Manufacturer:** MIRO INDUSTRIES, INC. 844 South 430 West, Suite 100, Heber City, Utah 84032 Phone: (800) 768-6978 Fax: (800) 440-7958
4. **Product Description:** A "roller-bearing", "clevis" and "trapeze" 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 a clevis or trapeze hanger. The pipe support base is made of MIRON TPC™ or polycarbonate plastic or hot-dip galvanized. All other parts are hot-dip galvanized steel. Pipestand will accommodate single or multiple pipe configurations with vertical adjustability.
5. **Product Performance:** The roller, clevis, or trapeze 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.
6. **Compatibility:** Pillow Block Pipestands are recommended for use on and compatible with all current types of decking and with all commonly used build-up and single-ply roofing membranes where roof-mounted pipes occur. MIRO recommends a MIRO Support Pad or other traffic pad be placed beneath each base to further protect the roof membrane.
7. **Loading/Design Constraints:** The 16-H series support is engineered to ensure member/component capacities and deflection criteria are not exceeded. Maximum loading from any MIRO base to the finished roof surface is not to exceed 2.0 psi unless specifically allowed otherwise in the project specifications. Deflection in the horizontal header bar is not to exceed the span length divided by 360 or 1/8".
8. **Composition and Materials:** The pipestand consists of three major components: (1) Two MIRON TPC™ or polycarbonate plastic (P) or hot-dip galvanized (HDG) MIRO bases which set on the roof membrane, (2) A braced strut assembly of hot-dip galvanized steel which is supported by, rests upon and is connected to the two bases, and (3) a hanger system consisting of a stainless steel all-thread rod which suspends a clevis hanger, a roller hanger, a band hanger, or a trapeze hanger suspended from the strut assembly.
9. **Size:** The series 16-H is made as follows: Each of the four MIRON TPC™ or polycarbonate deck bases are 16" x 18". The HDG option consists of two 20" x 20" deck bases. It has a cradle width which allows a minimum of 22" between the frame assembly and can be built to adjust in height to support larger pipe. The vertical frame members are 3" x 3" MIRO fabricated framing system. The horizontal header is also 3" x 3" MIRO fabricated frame system. The frame assembly is constructed to allow vertical adjustment of the pipes within a specified range.
10. **Adjustable Height:** The 16-H series and its related configurations allow adjustable height as desired or required by the code or roof system. Cross-bracing two adjacent pipestands is required for elevations 36" and higher. Purchasers must specify desired heights and multiple pipe centerline spacing upon quote requests and ordering of 16-H series stands.
11. **Installation Process:** (1) Center the pipestand beneath the pipe so that the cradle allows the pipe to be squarely over and through the hanger system. (2) Adjust the frame and hanger systems to the desired height to maintain even load with other pipestands. Make certain the horizontal support strut is level. (3) Set the pipe in the hanger system without dropping or causing undue impact. MIRO recommends an additional sheet of roofing material, a MIRO Deck Plate, or a MIRO Support Pad be installed beneath each base. For built up roofs, all loose aggregate from an area 2" larger in width and length than the base or support pad 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.
12. **Spacing:** Manufacturer's recommended spacing is not to exceed 10 foot centers depending upon the load. Do not exceed specified load weight and make certain each pipestand is adjusted in height to even load at all pipestands. Support spacing is not to exceed the maximum spacing required in the pipe specifications where applicable.
13. **Availability:** Pillow Block Pipestands are marketed throughout the United States through representatives and distributors.
14. **Maintenance:** Regular maintenance is not required. Semi-annual inspection is required to check pipestand position, pipe alignment and weight distribution. Improper installation may cause pipestand damage or failure.
15. **Technical Services:** Please contact MIRO INDUSTRIES, INC.: (800) 768-6978 or visit our website [www.miroind.com](http://www.miroind.com) for technical information and for graphic and CAD drawing downloads.