

Product Data Sheet

10H (P)

1. **Product Name:** CUSTOM HANGER SUPPORT SERIES, 10H (P).
2. **Manufacturer:** MIRO INDUSTRIES, INC.
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3. **Product Description:** A strut-framed support system that will accommodate a variety of options for supporting rooftop piping. Customers can specify the type of hanger to be used based on project requirements. Typical hanger types include clevis hangers, roller hangers, band hangers, trapeze hangers or roller chair assemblies. Each support has a minimum of 2 bases made of polycarbonate plastic. All other parts are hot-dip galvanized or stainless-steel. The pipestand will accommodate single or multiple pipe configurations with vertical adjustability.
4. **Product Performance:** The strut-frame and hanger or roller system provides a means to accommodate thermal expansion and contraction of pipes, thus preventing damage to the supported piping, pipe insulation, the support frame and the roof membrane. The base is gently rounded to prevent gouging the roof membrane.
5. **Compatibility:** MIRO Custom Hanger Pipestands are recommended for use on, and are compatible to 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. **Loading/Design Constraints:** The 10H series support is built to ensure member and component capacities and deflection criteria are not exceeded. Maximum loading from any MIRO base to the finished roof surface is not to exceed 3.0 psi unless specifically stated in the project specifications. Deflection in the horizontal header bar is not to exceed the span length divided by 360 or 1/8".
7. **Composition and Materials:** The pipestand consists of three major components: (1) a minimum of two polycarbonate plastic (P) bases which sit on the roof membrane, (2) a hot-dip galvanized or stainless-steel strut frame assembly, which 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 from the frame assembly, or a roller chair assembly that will mount directly on the frame header bar.
8. **Size:** The series 10H is made as follows: Each frame has a minimum of two 19 x 23 inch bases, the legs are 1-5/8 x 1-5/8 inch slotted 12 gauge strut legs, and the header bar will be 1-5/8 x 1-5/8 or 1-5/8 x 3-1/4 inch slotted 12 gauge strut as required for loading. The header bar will have a minimum length of 24 inches to accommodate the bases. The strut frame assembly is constructed to allow vertical adjustment of the pipes within a specified range.
9. **Adjustable Height:** The 10H series, and its related configurations, allow for adjustable heights as desired, or required, by the code or roof system. Cross-bracing two adjacent pipestands is required for elevations 36 inches and higher. Purchasers must specify desired heights and multiple pipe centerline spacing upon quote requests and ordering of 10H series stands.
10. **Adjustability for Roof Slope:** The 8H series base will accommodate up to a 2:12 (9 degree) roof slope parallel to the pipe run. Where the pipe runs perpendicular to the roof pitch, the leg assembly can be un-assembled from the brackets supporting the header bar, rotated 90 degrees and re-assembled to the bracket using the alternate side holes and the provided hardware. For steeper pitched roofs contact MIRO Industries.
11. **Installation Process:** (1) Center the pipestand with the appropriate hanger per the pipe layout. (2) Adjust the frame and hanger systems to the desired height to maintain even load distribution with the other pipestands. Make certain the horizontal support strut is level. (3) Set the pipe in the hanger system without dropping or causing any undue impact.

MIRO recommends an additional sheet of roofing material, or a MIRO Support Pad be installed beneath each base. For built up roofs, remove all loose aggregate from an area 2 inches larger in width and length than the base or support pad, and follow the installation directions outlined above.
12. **Spacing:** Manufacturer's recommended spacing is not to exceed 10-foot centers depending upon the load. Make certain each pipestand is properly elevated and loading is distributed evenly to all pipestands. Support spacing is not to exceed the maximum spacing required in the pipe specifications, where applicable.
13. **Availability:** 10H Custom Hanger Pipestands are marketed throughout the United States through representatives and distributors.
14. **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 failure.
15. **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.