

Product Data Sheet

6H (P), 6H (HDG) and 6H (SS)

1. **Product Name:** CUSTOM HANGER SUPPORT SERIES, 6H (P), 6H (HDG) and 6H (SS).
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, hot-dip galvanized or stainless-steel. 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 6H 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), hot-dip galvanized (HDG) or stainless-steel (SS) 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 6H is made as follows: Each frame has a minimum of two 9 x 15-1/4 inch (P) or 8 x 14 inch (HDG or SS) bases, the legs are 1-5/8 x 7/8 inch slotted 12 gauge strut, and the header bar will be 1-5/8 x 7/8, 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 14 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 6H series and its related configurations allow adjustable heights 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 6H series stands.
10. **Adjustability for Roof Slope:** The 6H series base will accommodate up to a 2:12 (9 degree) roof slope parallel to the pipe run. For steeper pitched roofs contact MIRO Industries.
11. **Installation Process:** (1) Center the pipestand with the appropriate hanger located per the pipe layout. (2) Adjust the frame and hanger systems to the desired height to maintain even-load distribution with 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 to 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:** 6H 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 which 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.