Specification and Data Sheet
MODEL NO. 6-DS and 8-DS

1. **Product Name:** DUCT SUPPORTS MODEL NO. 6-DS AND 8-DS **NOTE:** Duct Supports are given model numbers which correspond to the allowable loads. 6-DS is used for lighter, smaller duct and 8-DS is for heavier, larger duct. All duct supports 6-DS and 8-DS are manufactured custom at the MIRO Industries plant.

2. **Design Emphasis:** The 6-DS and 8-DS duct support has been designed specifically for square and round duct work. The versatility of the design for this product enables it to expand to hold any number of duct running along the roof for maximum efficiency and cost savings to customers, contractors, and owners. Thus, this duct support product can be used to hold ganged duct or stacked duct 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 frame constructed of strut and MIRO's patented bases are used to support duct on flat roofs. Unique design allows a sturdy support without penetrating or causing damage to the roof membrane. Ducts rest on a 1 5/8" x 1 5/8" or 1 5/8" x 13/16" strut and are adjustable in height. The duct support base is made of stainless steel hot-dip galvanized steel or polycarbonate plastic and all other metal parts are made of hot-dip galvanized steel.

5. **Product Performance:** The frame system serves to keep the duct system directly over and beneath the frame without binding and allows for some lateral expansion of the duct system. The base is gently rounded to prevent gouging. Drainage ports are provided to prevent ponding within the device.

6. **Compatibility:** MIRO Duct Supports 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 room-mounted ducts occur. With heavier loads it is prudent to use a MIRO Support Pad or other traffic pad to further protect the roof membrane.

7. **Load Weight:** 6-DS: Maximum load weight not to exceed 150 lbs. per duct support or 75 lbs. on each base
8-DS: Maximum load weight not to exceed 300 lbs. per duct support or 150 lbs. on each base

8. **Composition and Materials:** The pipestand consists of two major components: (1) Two roof deck bases of stainless or hot-dip galvanized steel or polycarbonate plastic which set upon the roof membrane, (2) A braced strut assembly which is supported by, rests upon, and is connected to the two bases.

9. **Size:** Duct Support Models 6-DS and 8-DS are made as follows: Each of the two deck bases 12" by 16", 9" by 15.25", 12" by 16", 9" by 31.69" or 18" by 16", has a bar width which allows at least 12" between the strut assembly, and can adjust in height to support duct from a low of 4" to a desired custom height. The strut is 1-5/8" by 13/16" or 1 5/8" square and is constructed at various heights to give duct clearance adjustment above the roof plus or minus.

10. **Adjustable Height**: The Models 6-DS and 8-DS 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 3rd or 4th pipestand is recommended and required for elevations 36" and higher. Purchasers should specify desired heights upon quote requests and ordering the duct supports.

11. **Installation Process:** (1) Center the duct support beneath the duct so that the frame allows the duct to be squarely over and through the horizontal bar. (2) Adjust the duct support to the desired height and to even load with other duct supports. Make certain the horizontal support strut is level. (3) Set the duct in the horizontal bar 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 duct support. For built-up roofs, all loose aggregate from an area 2" larger than each base should be removed from the area directly beneath the duct support and then follow the installation directions set forth above. Care should be taken to install each duct support so it supports a proportional and equal amount of weight at each duct support.

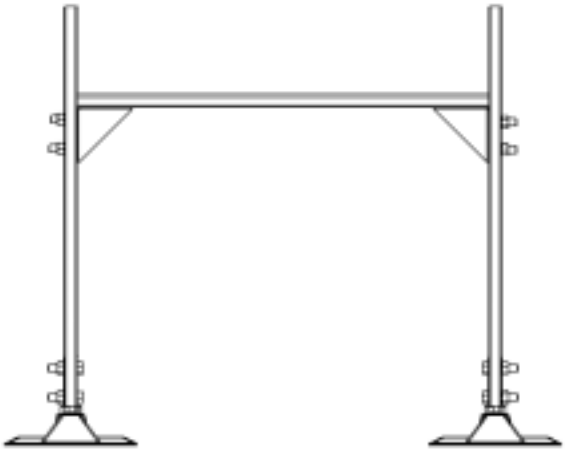
    OPTIONAL METHOD OF INSTALLATION (Not Recommended): Where code requires or as desired, the duct supports may be attached to the roof structure by appropriate and compatible rooftop fasteners through holes then drilled in the bases pitchpan at the time of installation. After attachment has been made to the roof, the pitchpan may be filled with asphalt material or cement to help seal the areas around the fasteners.

12. **Spacing:** Manufacturer's recommended spacing is not to exceed 8 foot centers depending upon the load. Do not exceed load weight and make certain each duct support is adjusted in height to even load at all duct supports.

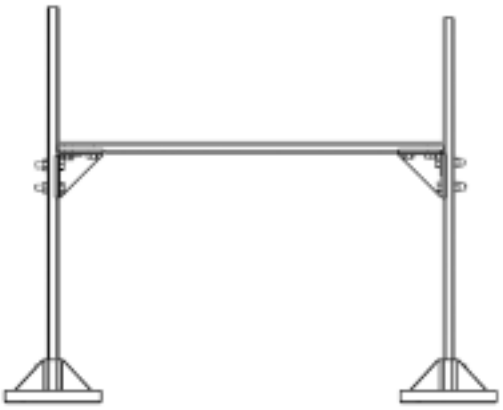
13. **Availability:** Duct Supports are marketed throughout the United States through representatives and distributors.

14. **Maintenance:** Normally maintenance is not required. Semi-annual inspection is required to check duct support position and set duct alignment, weight distribution and improper installation which may cause duct support damage or failure.

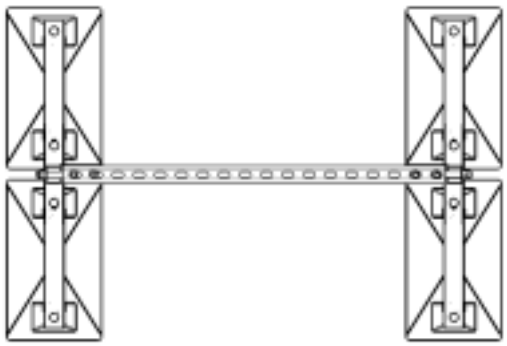
15. **Installation and Technical Services:** Please call MIRO INDUSTRIES, INC.: (800) 768-6978.
www.miroind.com for technical information and for graphic and for CAD drawing downloads.

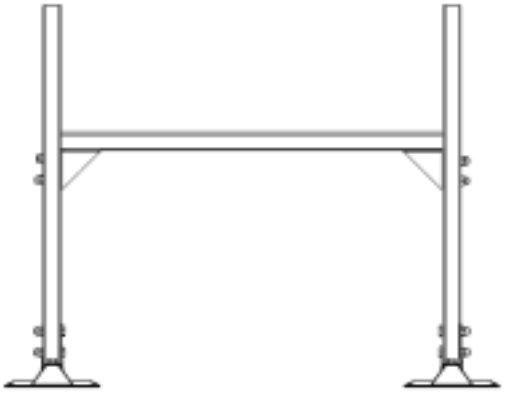


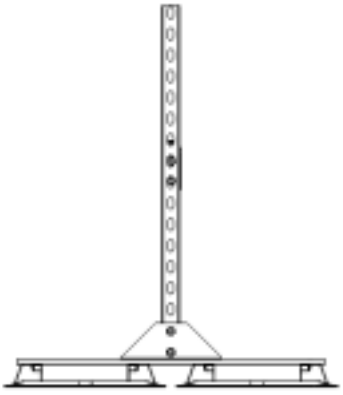
6-DS P



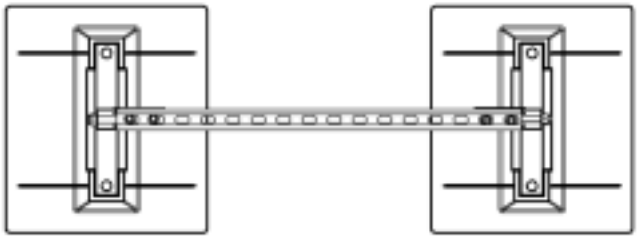
6-DS HDG and SS

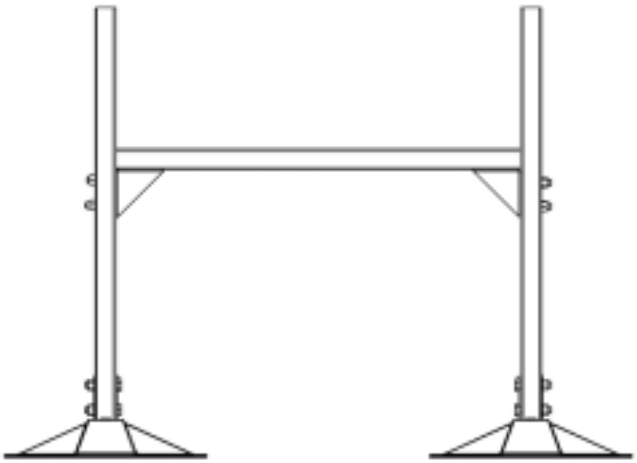






8-DS-DB P





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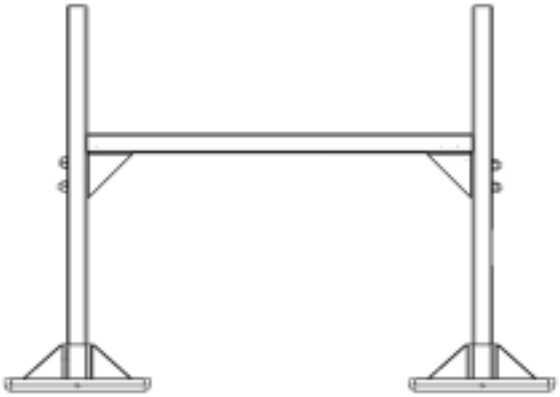

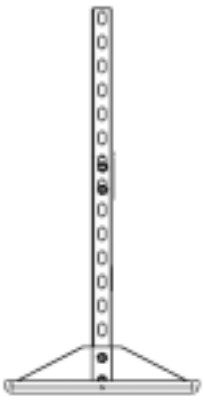

8-DS HDG and SS