

Product Data Sheet

LD MECHANICAL UNIT SUPPORTS

1. **Product Name:** MIRO LD MECHANICAL UNIT SUPPORTS
2. **Manufacturer:** MIRO INDUSTRIES, INC.
844 South 430 West, Suite 100,
Heber City, Utah 84032
Phone: (800) 768-6978
Fax: (800) 440-7958
3. **Product Description:** LD Mechanical Unit Supports elevate rooftop mechanical units, such as air conditioning or other devices, to desired heights above the roof. LD Mechanical Unit Supports are designed so that the mechanical units rest in perforated metal pan that is elevated on all-thread fixed to four polycarbonate bases. The pan of the LD Mechanical Unit Supports can be adjusted from the factory-set maximum height of 8 inches down to a minimum height of 2-1/2 inches on the vertical all-thread. All metal pieces are made of hot-dip galvanized steel or stainless-steel for outdoor weathering protection. LD Mechanical Unit Supports consists of (1) a MIRO designed base with gently curved edges to protect the roof membrane and to distribute the weight over the maximum roof surface, (2) stainless-steel 3/8 inch all-thread and hot-dip galvanized hardware, and (3) a hot-dip galvanized perforated pan to support the mechanical unit.
4. **Product Performance:** LD Mechanical Unit Supports can be used to support mechanical devices which are positioned upon the roof. LD Mechanical Supports are typically set on the roof surface as a free-floating system. As units operate and as daytime temperatures warm and cool in the rooftop environment, mechanical equipment and connected piping expands and contracts with the temperature fluctuations. LD Mechanical Unit Supports are designed to support such devices and absorb such movement in a way that protects the roof. Vibration eliminators can be added to units, if necessary. Free-floating support systems may not meet code requirements for other applicable lateral loading.
5. **Compatibility:** LD Mechanical Unit Supports are recommended for use on, and are compatible with, all current types of decking and with all commonly used built-up and single-ply roofing membranes where roof-mounted mechanical equipment is installed.
6. **Load Weight:** Maximum load weight is equivalent to, and is part of, the maximum rooftop bearing-load which MIRO has designed for its bases. MIRO recommends such loading not exceed 200 pounds to any of the LD Mechanical Unit Supports.
7. **Composition and Materials:** LD Mechanical Unit Supports are made with either polycarbonate, hot-dip galvanized or stainless-steel bases, stainless-steel all-thread with hot-dip galvanized hardware and a 11 gauge hot-dip galvanized perforated pan.
8. **Size:** LD Mechanical Unit Supports are manufactured to adjust in height from the factory-set maximum of 8 inches down to a minimum of 2-1/2 inches. Each base must be adjusted so that the pan sits level and the bases sit flat on the roof surface. LD Mechanical Unit Supports pan sizes are available in 24 x 24 inch, 30 x 30 inch, 20 x 36 inch, and 36 x 36 inch sizes. Custom sizes can be provided upon request.
9. **Installation:** (1) Determine the dimension and location so the supported unit will rest upon the roof at the desired height, (2) place the LD Mechanical Unit Supports in the approximate positions so as to allow the mechanical unit or device to fit down in and upon the metal pan, (3) take final measurements and adjust the Mechanical Unit Support to fit properly allowing the load to be distributed evenly to the feet of the support. Care should be taken to adjust each LD Mechanical Unit Support to make sure equal weight, or an equal load, is resting upon each base and the bases are sitting firmly on the deck.

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.
10. **Spacing:** LD Mechanical Unit Support should be spaced at intervals to allow proper installation of the mechanical units or devices, and to not exceed recommended weight bearing upon rooftop materials which MIRO recommends not to exceed 3.0 lbs. per square inch.
11. **Availability:** LD Mechanical Unit Supports are marketed throughout the United States through representatives and distributors.
12. **Maintenance:** Normal maintenance is not required. Semi-annual inspection is required to check support position, pipe alignment, weight distribution, and to correct improper installation which may cause system failure or damage.
13. **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.