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PRODUCT SUMMARY 2020





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ROOFTOP SUPPORT SYSTEMS

MIRO Industries was founded over 35 years ago to provide solutions to meet the needs of contractors, consultants, engineers and architects in designing supports for rooftop equipment for both commercial and industrial applications. MIRO exists to find solutions for your specific needs.

A building's roof is one of its most important elements, and its integrity must be maintained regardless of the equipment it supports. Whether used during new construction or retrofit, MIRO Rooftop Supports distribute loads over the maximum appropriate surface area, avoiding unwanted roof penetration. We also select the right materials to help mitigate other types of potential damage.

Whether supporting gas or steam lines, HVAC equipment, conduit, ductwork, walkways, bridge or crossover assemblies, MIRO Rooftop Support Products offer both off-the-shelf and custom solutions to meet and exceed your expectations.

GLOSSARY

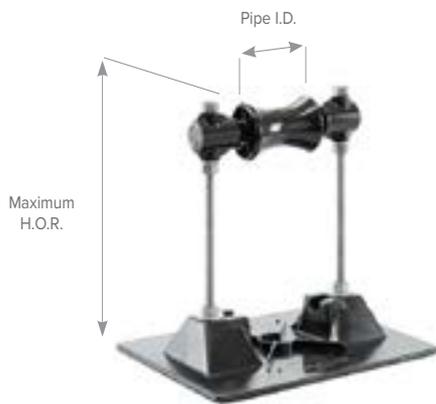
BS - Base Strut
 DS - Duct Support
 H - Hanger
 HD - Heavy Duty
 HDG - Hot-Dip Galvanized
 H.O.R. - Height off Roof
 ID - Inner Diameter
 LD - Light Duty
 OD - Outer Diameter
 P - Polycarbonate
 PH - Pipe Hanger
 R - Roller
 RAH - Roller Adjustable Height
 SB - Single Base
 SS - Stainless Steel

PRODUCT MATRIX/NAMING CONVENTION

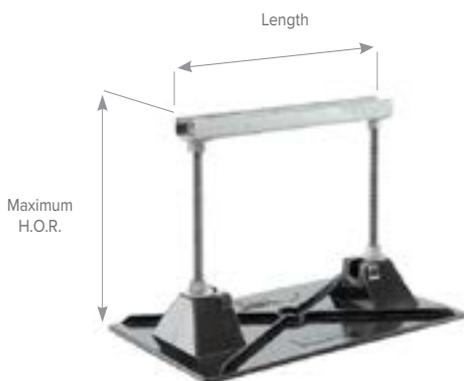
The product matrix tables below provide information for a quick reference to the Roller, Strut, and Custom series supports. Cross reference the Index on page 3 for the page number of the pipe support that fits your needs. Still have questions? Call us at 1-800-768-6978 or email sales@miroind.com.

NAME	BASE TYPE
HDG	HOT-DIP GALVANIZED
P	POLYCARBONATE COMPOSITE
SS	STAINLESS STEEL

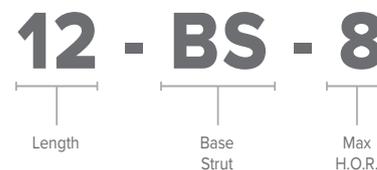
NAME	HANGER TYPE
BH	BAND HANGER
C	CLEVIS HANGER
RC	ROLLER CHAIR
RH	ROLLER HANGER
T	TRAPEZE



ROLLER SERIES



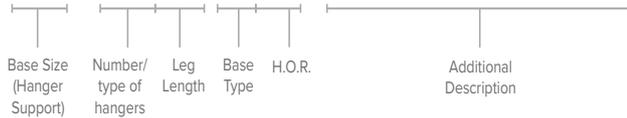
STRUT SERIES





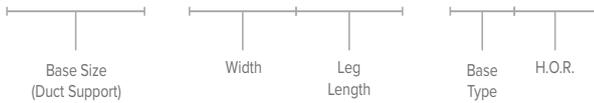
WATER AND STEAM

8H - 2C36 P-20 W/(2)6" CLEVIS



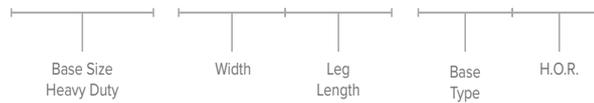
DUCT AND CABLE TRAYS

8DS 36X58 P-14



HD MECHANICAL SUPPORT

8HD 36X48 P-12





PILLOW BLOCK SUPPORTS

Our Pillow Block supports are an easy-to-install and low-cost solution to many of your basic rooftop support needs. The various models can support gas lines, electrical conduit, solar lines, and just about any other mechanical piping. The load-dispersing foot design can be used in conjunction with a spacer to add additional height if required, or can be used on its own without risk of compromising the roof membrane. All Pillow Block supports are made of 100% UV stable polycarbonate.

PILLOW BLOCK SUPPORTS

PILLOW BLOCK ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

PILLOW BLOCK

1.5



1.5 Pipe Guide



1.5 Spacer



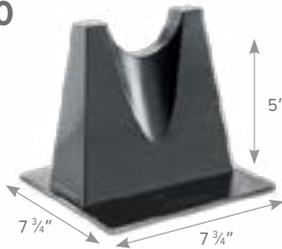
PAD1212



1" x 36", 2-Sided Adhesive Tape

ROLLER SERIES

3.0



NEW PRODUCT!

AVAILABLE SPRING 2020
CALL FOR AVAILABILITY



3.0 Pipe Guide



3-R Spacer



PAD1212



1" x 36", 2-Sided Adhesive Tape

STRUT SERIES

3-R-2



3-R-2 Pipe Guide



3-R Spacer



PAD1212



1" x 36", 2-Sided Adhesive Tape

UNIFLEX SERIES

3-R-4



3-R-4 Pipe Guide



3-R Spacer



PAD1212



1" x 36", 2-Sided Adhesive Tape

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

MODEL	PIPE SIZE	MAX HEIGHT	MAX LOAD*	CASE QTY.	SHIPPING WEIGHT
1.5	1 1/2"	2"	72 lbs.	63 or 32	22 lbs.
3.0	3"	5"	120 lbs.	16	TBD
3-R-2	3"	2"	118 lbs.	24	26 lbs.
3-R-4	3"	4"	118 lbs.	24	27 lbs.

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT



ROLLER SERIES SUPPORTS

Designed specifically for use in expansion/contraction applications, the Roller Series Supports use a roller to allow for longitudinal movement while securely maintaining lateral alignment. These maintenance-free designs use self-lubricating rollers, UV and temperature-stable polycarbonate, stainless steel all-thread, and hot-dip galvanized hardware. Support bases are also available in stainless steel. The appropriate MIRO support pad is recommended for additional protection of the roof membrane. Built to accommodate pipe from 1" to 10", the Roller Series models can lift pipes from 3 7/8" to 18" above the roof surface.

ROLLER SUPPORTS

ROLLER SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

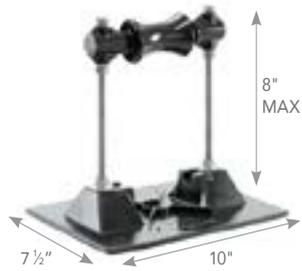
UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

3-RAH-8



3" Aluminum Pipe Guide

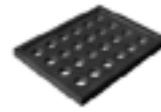


PAD710

3-RAH-12



3" Aluminum Pipe Guide

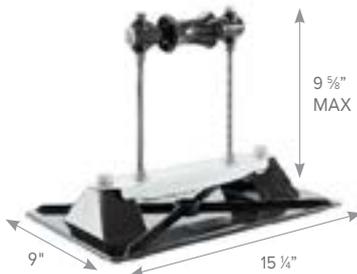


PAD710

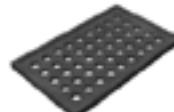
4-RAH-10



See page 24 for details



4" Aluminum Pipe Guide

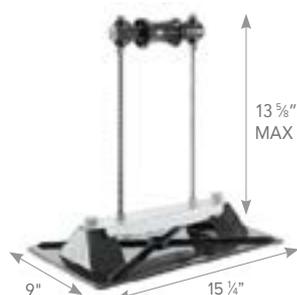


PAD915
(polycarbonate base)

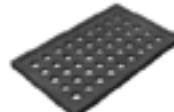
4-RAH-14



See page 24 for details



4" Aluminum Pipe Guide



PAD915
(polycarbonate base)

MODEL	PIPE SIZE	HEIGHT RANGE	MAX LOAD	CASE QTY.	SHIPPING WEIGHT
3-RAH-8	3"	3 7/8" - 8"	172 lbs.*	12	21 lbs.
3-RAH-12	3"	3 7/8" - 12"	172 lbs.*	7	14 lbs.
4-RAH-10	4"	4 1/2" - 9 5/8"	335 lbs.*	7	26 lbs.
4-RAH-14	4"	4 1/2" - 13 5/8"	186 lbs.**	5	25 lbs.***

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

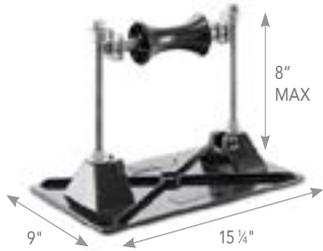
** Max load based on all-thread capacity.

*** Dimensional shipping weight. Not actual case weight.

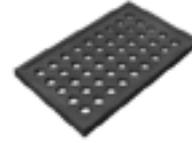
ROLLER SUPPORTS

ROLLER SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

5-RAH-8

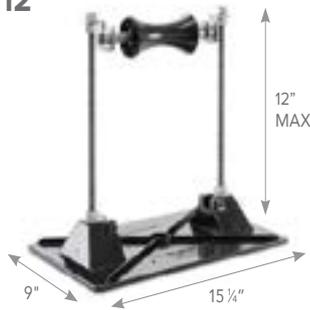


5" Aluminum Pipe Guide

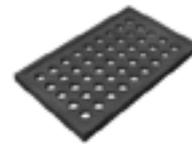


PAD915

5-RAH-12



5" Aluminum Pipe Guide

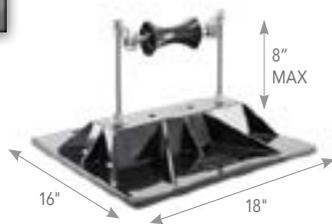


PAD915

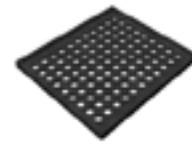
6-RAH-8



See page 24 for details



6" Aluminum Pipe Guide



PAD1618
(polycarbonate base)

MODEL	PIPE SIZE	HEIGHT RANGE	MAX LOAD*	CASE QTY.	SHIPPING WEIGHT
5-RAH-8	5"	4" - 8"	335 lbs.	7	29 lbs.
5-RAH-12	5"	4" - 12"	335 lbs.	6	28 lbs.
6-RAH-8	6"	4 3/8" - 8"	578 lbs.	4	33 lbs.

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

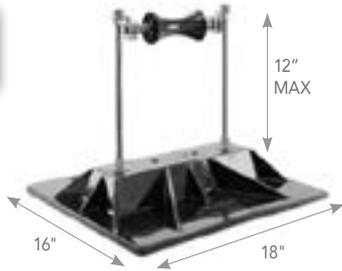
ROLLER SUPPORTS

ROLLER SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

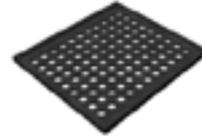
6-RAH-12



See page 24
for details

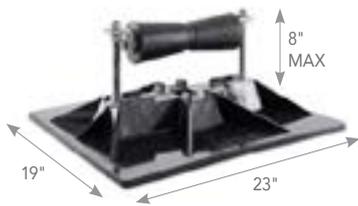


6" Aluminum
Pipe Guide

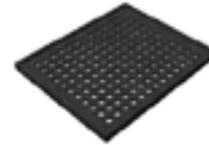


PAD1618
(polycarbonate base)

10-RAH-8

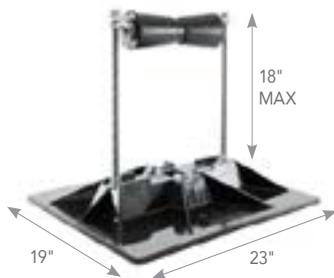


10" Aluminum
Pipe Guide

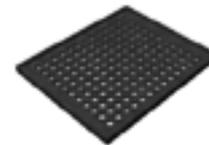


PAD1923

10-RAH-18



10" Aluminum
Pipe Guide



PAD1923

MODEL	PIPE SIZE	HEIGHT RANGE	MAX LOAD*	CASE QTY.	SHIPPING WEIGHT
6-RAH-12	6"	4 3/8" - 12"	578 lbs.	4	35 lbs.
10-RAH-8	10"	6" - 8"	960 lbs.	1	17 lbs./unit
10-RAH-18	10"	6" - 18"	960 lbs.	1	18 lbs./unit

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

PILLOW BLOCK

ROLLER SERIES

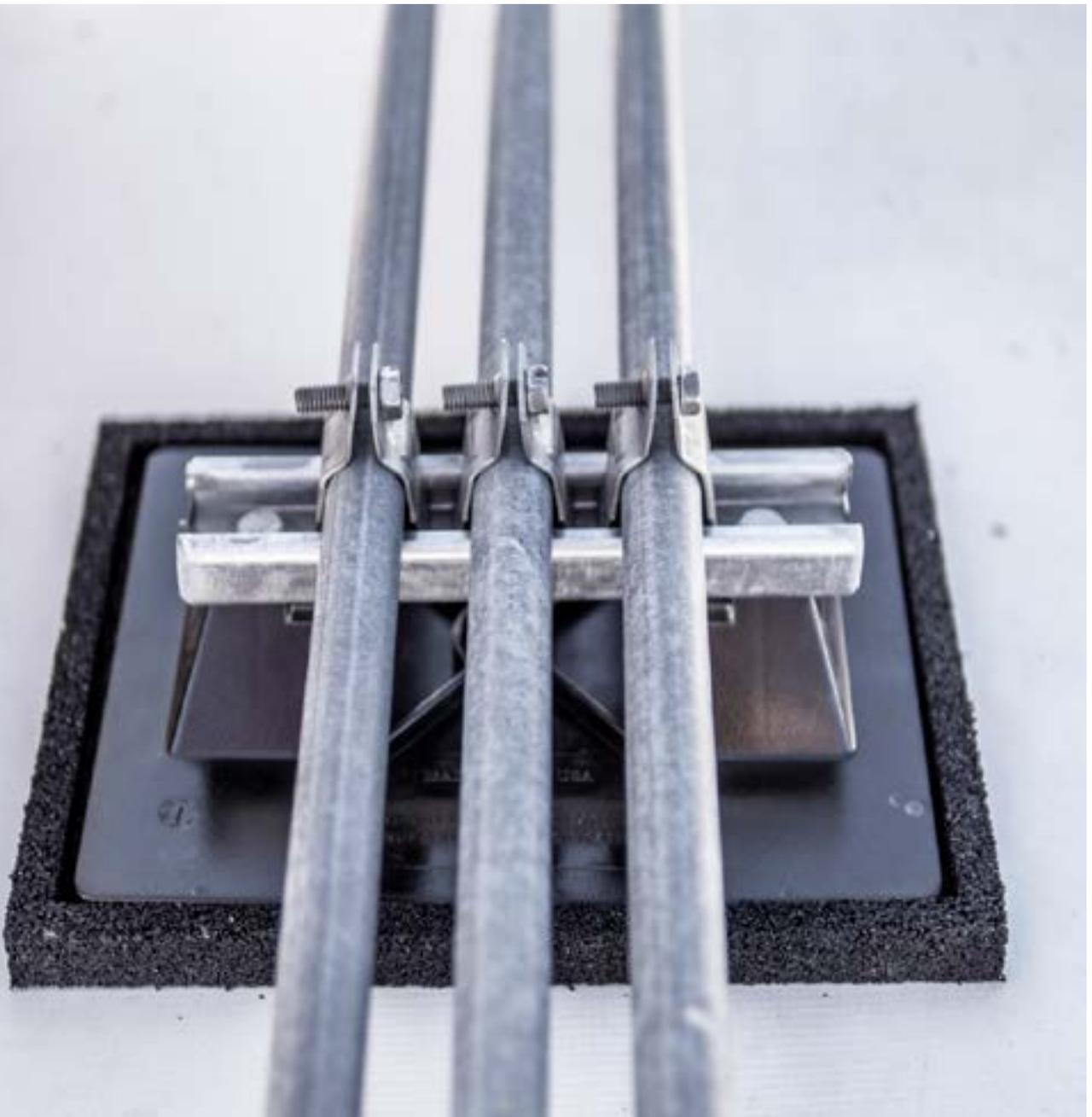
STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT



STRUT SERIES SUPPORTS

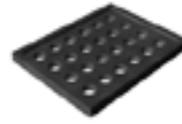
Strut Series Supports are built to accommodate conduit, electrical or solar pipes, as well as all kinds of mechanical piping, or a random mix of them all. These models can be set up in widths from a 8" single-base up to a 48" four-base or other custom configurations. With some Strut Series models able to carry loads up to 960 lbs. and at heights up to 18" above the roof, practically any need can be met in the rooftop layout.

All bases are either UV-stable polycarbonate or stainless steel and are designed with the adequate footprint to balance their maximum loads. All hardware is hot-dip galvanized or optionally available in stainless steel. For added security, pipe/conduit clamps can be provided upon request.

STRUT SUPPORTS

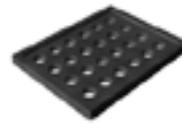
STRUT SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

8-Base Strut-2



PAD710

8-Base Strut-5



PAD710

8-Base Strut-8



See page 24
for details

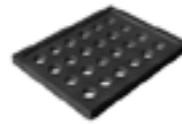


PAD710
(polycarbonate base)

8-Base Strut-12



See page 24
for details



PAD710
(polycarbonate base)

MODEL	HEIGHT RANGE	STRUT LENGTH	MAX LOAD*	CASE QTY.	SHIPPING WEIGHT
8-BS-2	2 1/2"	8"	172 lbs.	12	22 lbs.
8-BS-5	3 1/2" - 5 3/8"	8"	172 lbs.	12	23 lbs.
8-BS-8	3 1/2" - 8 7/8"	8"	172 lbs.	12	26 lbs.
8-BS-12	3 1/2" - 12 7/8"	8"	172 lbs.	7	18 lbs.

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

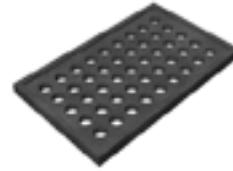
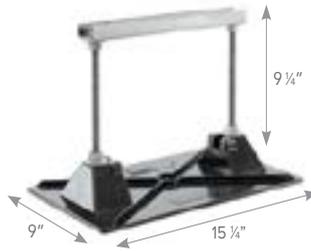
STRUT SUPPORTS

STRUT SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

12-Base Strut-8



See page 24
for details

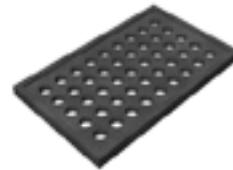


PAD915

12-Base Strut-12

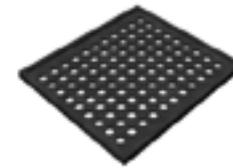


See page 24
for details



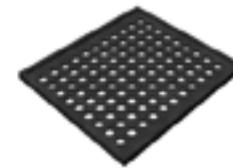
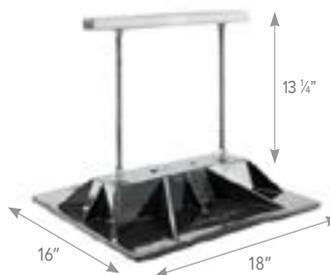
PAD915

16-Base Strut-8



PAD1618

16-Base Strut-12



PAD1618

MODEL	HEIGHT RANGE	STRUT LENGTH	MAX LOAD*	CASE QTY.	SHIPPING WEIGHT
12-BS-8	4 1/4" - 9 1/4"	12"	335 lbs.	8	31 lbs.
12-BS-12	4 1/4" - 13 1/4"	12"	335 lbs.	6	26 lbs.
16-BS-8	4 3/4" - 9 1/4"	16"	578 lbs.	4	33 lbs.
16-BS-12	4 3/4" - 13 1/4"	16"	578 lbs.	4	50 lbs.**

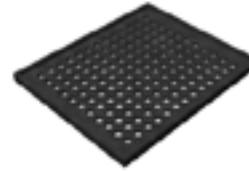
* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

** Dimensional shipping weight. Not actual case weight.

STRUT SUPPORTS

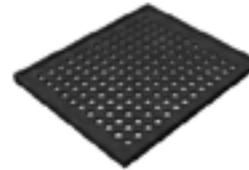
STRUT SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

20-Base Strut-4



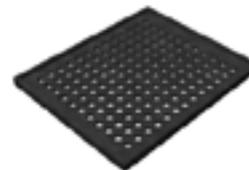
PAD1923

20-Base Strut-8



PAD1923

20-Base Strut-18



PAD1923

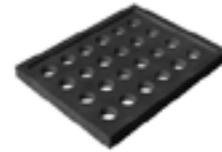
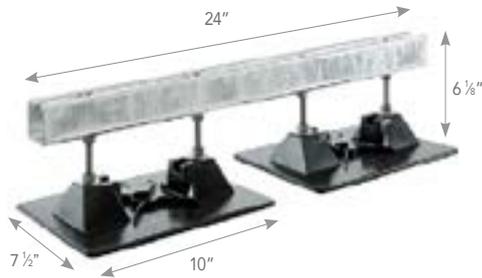
MODEL	HEIGHT RANGE	STRUT LENGTH	MAX LOAD*	CASE QTY.	ACTUAL PRODUCT WEIGHT
20-BS-4	4 1/2"	20"	960 lbs.	1	13 lbs./unit
20-BS-8	5 1/2" - 9 1/2"	20"	960 lbs.	1	14 lbs./unit
20-BS-18	5 1/2" - 19"	20"	907 lbs.	1	15 lbs./unit

* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

STRUT SUPPORTS

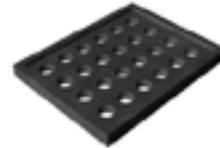
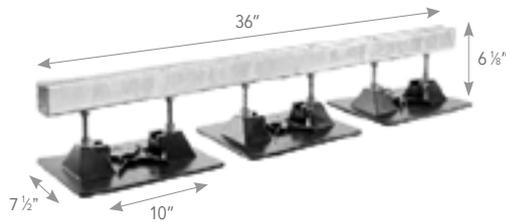
STRUT SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

24-Base Strut-5



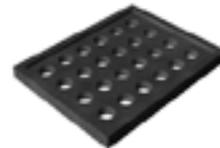
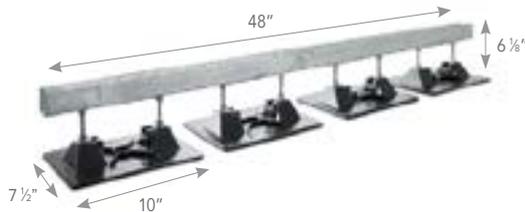
PAD710

36-Base Strut-5



PAD710

48-Base Strut-5



PAD710

MODEL	HEIGHT RANGE	STRUT LENGTH	MAX LOAD*	CASE QTY.	ACTUAL PRODUCT WEIGHT
24-BS-5	4 1/8" - 6 1/8"	24"	115 lbs./ft.	1	5 lbs/unit
36-BS-5	4 1/8" - 6 1/8"	36"	115 lbs./ft.	1	7.5 lbs/unit
48-BS-5	4 1/8" - 6 1/8"	48"	115 lbs./ft.	1	10 lbs/unit

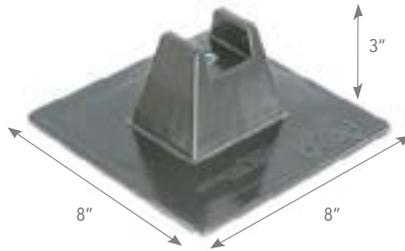
* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

UNIFLEX SERIES*

MISC. SUPPORT ACCESSORIES
SEE PAGE 34 FOR MORE INFO.

M8-UFS Base

The M8-UFS is a versatile base that can be used for many different purposes. The saddle housing can accommodate 1 5/8" x 1 5/8" 12 ga. strut, as well as a 3/8"-16 coupler housing.



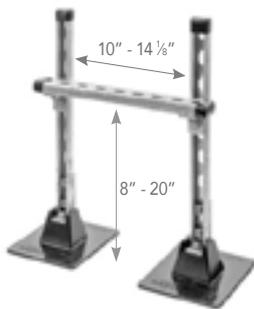
PAD1212

HEIGHT	MAX LOAD	CASE QTY.	ACTUAL PRODUCT WEIGHT
3"	93 lbs*	24	1 lb/unit

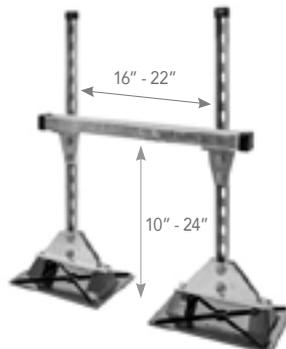
DSA (DUCT SUPPORT ADJUSTABLE) SERIES

The DSA Series is designed to be an easy-to-install duct or cable tray support solution when the exact dimensions are unknown or when major flexibility is required. Each support is adjustable in both width and height.

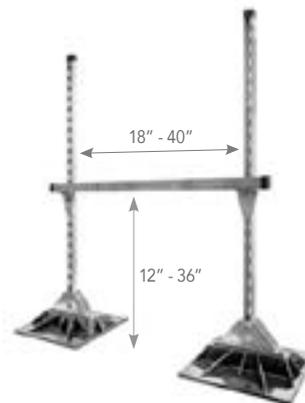
4-DSA



6-DSA



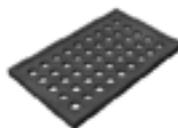
8-DSA



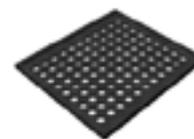
DSA SERIES ACCESSORIES | SEE PAGE 34 FOR MORE INFO.



PAD1212



PAD915



PAD1618

MODEL	HEIGHT RANGE	WIDTH RANGE	BASE SIZE	MAX LOAD
4-DSA	8" - 20"	10" - 14 3/4"	8" x 8"	Refer to spec sheet**
6-DSA	10" - 24"	16" - 22"	9" x 15"	Refer to spec sheet**
8-DSA	12" - 36"	18" - 40"	16" x 18"	Refer to spec sheet**

* UNIFLEX Series products carry a different warranty than MIRO branded products. See page 36 for more information.

** Spec sheets available for viewing and download on our website.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER
SUPPORT

CUSTOM HANGER

CUSTOM DUCT

ROOFTOP SLEEPER SUPPORT

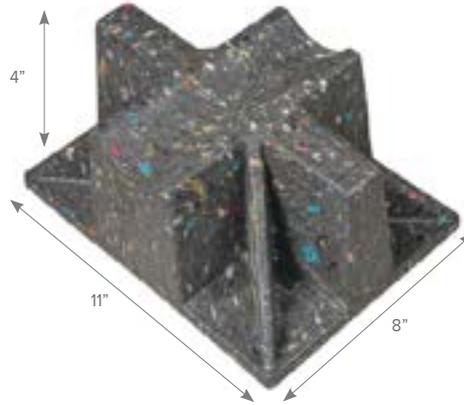
The Rooftop Sleeper Support line features economical options for several different support situations. Each RSS product can be used in many different ways, allowing for versatility in its application as well as quick and easy installation.

All Rooftop Sleeper Support products are made using 100% recycled plastic. The RSS3 uses recycled PVC while the Saddle Support and EKON pad use a blend of recycled polypropylene and polyethylene, lending to their unique look and pattern.

ROOFTOP SLEEPER SUPPORT*

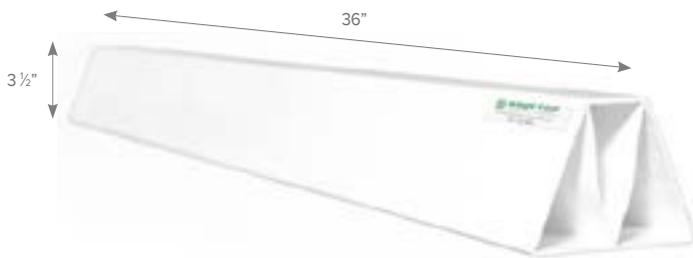
Saddle Support

The Saddle Support allows for affordable and easy rooftop support installation. The base features a pipe saddle to allow for quick installation of pipe up to 3". Additional hardware may be easily added by screwing directly into the durable plastic base, allowing for many different configurations.



RSS3

Designed to be an affordable but long-lasting alternative to 4x4 wood blocks, the RSS3 can support a variety of small electrical pipes, conduit and more, or can be used in pairs to support rooftop equipment. The 100% recycled PVC material can easily be screwed into to mount pipe straps and more.



RSS 0.5

The RSS3 pre-cut into 6-inch lengths.



EKON Residential Equipment Pad

A general-purpose equipment pad designed to elevate and stabilize equipment and evenly distribute loads while protecting equipment from water and debris. Purchases support local high school student work in an advanced engineering and business program.

24x24x2



* Rooftop Sleeper Support Series products carry a different warranty than MIRO branded products. See page 36 for more information.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT



CUSTOM HANGER

CUSTOM DUCT

CUSTOM SUPPORTS

Many projects require the use of custom-designed and engineered components, hardware, bases, and layouts to properly accommodate the varying types of equipment, conduits, ducting, cable trays and piping, as well as the roof topography specific to your job. Whether mounting HVAC or solar equipment, placing walkways, service platforms, ramps or bridges, custom configurations are often required.

The MIRO team of in-house engineers and project managers are dedicated to customized solutions. They are experts in assessing your needs and the requirements of a job, then finding the best, quickest, and most cost-effective ways to meet them. Our ability to design, engineer, and execute intricate, custom projects has made MIRO the go-to leader in the industry.

Quote templates are available at www.miroind.com/custom-quote, or by scanning the QR Code:



CUSTOM HANGER SUPPORTS*

ADJUSTABLE HANGER SUPPORT | 6-H, 8-H, 10-H

Adjustable Hanger Supports are designed for single or multiple pipes, single or multiple tiers and for various heights.

To obtain pricing for the models 6-H, 8-H and 10-H Supports, please fill out our Custom Quote Template and submit it to your local sales representative. The templates, as well as a Sales Rep Locator, are available on our website.

Information Needed for Pricing Quote:

- Size of pipe
- Pipe contents
- Clearance height above roof
- Thickness of insulation around pipe (if any)
- Center line distance between adjacent pipes for multiple pipe supports
- Type of pipe
- Quantity of supports required (or total footage of pipe)



See page 24 for details

NAME	HANGER TYPE
C	CLEVIS HANGER
BH	BAND HANGER
RH	ROLLER HANGER
T	TRAPEZE
RC	ROLLER CHAIR

-See naming convention on page 5 for more information

Adjustable Clevis Hanger Style



Trapeze Hanger



Chair Roller Support



Roller Hanger Support



* See MIRO Specification for pipe support loading design constraints. Base and support pad size will be determined by job specific requirements. Stainless steel or hot-dip galvanized bases available upon request.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

Quote templates are available at www.miroid.com/custom-quote, or by scanning the QR Code:



CUSTOM DS SUPPORTS*

ADJUSTABLE DUCT SUPPORT | 6-DS, 8-DS & 10-DS

DS Supports are designed for single or multiple tier duct, pipe, cable tray, etc. They are also available in various heights.

To obtain pricing for the models 6-DS, 8-DS and 10-DS Supports, please fill out our Custom Quote Template and submit it to your local sales representative. The templates, as well as a Sales Rep Locator are available on our website.

Information Needed for Pricing Quote:

- Dimensions of duct
- Duct material (stainless or galvanized, single or double wall)
- Clearance height above roof
- Insulation (if any)
- Total footage of duct
- Does duct need to be enclosed?



See page 24 for details

Duct Support with Adjustable Header



Enclosed Duct Support



3rd Leg Duct Support



Multi-Tier Duct Support



* See MIRO Specification for duct and cable tray support loading design constraints. Base and support pad size will be determined by job specific requirements. Stainless steel or hot-dip galvanized bases available upon request.

PILLOW BLOCK

ROLLER SERIES

STRUT SERIES

UNIFLEX SERIES

ROOFTOP SLEEPER SUPPORT

CUSTOM HANGER

CUSTOM DUCT

CUSTOM SUPPORT SLOPE ADJUSTMENTS

MIRO Industries Custom Series Supports are not only adjustable in height, but can also be adjusted to accommodate different roof slope directions. On 8DS/8H supports and larger, the leg of the support can be rotated 90 degrees, allowing the base to pivot in one of two different directions. This allows the supports to accommodate pipe or duct that's running perpendicular to the roof slope or parallel to it.

The adjustment of the base can accommodate up to a 2:12 (9.46°) slope. Contact MIRO Industries for support options that will work with a steeper slope.



OR



STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES



STAINLESS STEEL SUPPORTS

Although MIRO's polycarbonate bases are ideal for most situations, sometimes our 304 stainless steel bases may be better suited for specific environmental conditions where harsh chemicals or strict fire restrictions are present. For circumstances such as these, MIRO has a selection of standard products that use stainless steel for the base and metal components.

In addition to the standard offerings, MIRO can build any of our custom products using stainless steel, including pipe and duct supports, crossovers, platforms, wind & seismic supports, and more. Hot-dip galvanized bases can be used in place of stainless steel upon request. Contact us for more information on how we can provide you with the perfect support to meet your project requirements.

STAINLESS STEEL SUPPORTS

4-RAH-8 SS



4-RAH-12 SS



6-RAH-8 SS



6-RAH-12 SS



MODEL	PIPE SIZE	HEIGHT RANGE	MAX LOAD	SUPPORT PAD
4-RAH-8 SS	4"	3 3/4" - 8"	419 lbs.*	PAD1618
4-RAH-12 SS	4"	3 3/4" - 12"	186 lbs.**	PAD1618
6-RAH-8 SS	6"	2 7/8" - 8"	524 lbs.*	PAD1618
6-RAH-12 SS	6"	2 7/8" - 12"	524 lbs.*	PAD1618

8-BS-8 SS



8-BS-12 SS



12-BS-8 SS



12-BS-12 SS



MODEL	STRUT LENGTH	HEIGHT RANGE	MAX LOAD	SUPPORT PAD
8-BS-8 SS	8"	3 1/2" - 8 7/8"	419 lbs.*	PAD1618
8-BS-12 SS	8"	3 1/2" - 12 7/8"	186 lbs.**	PAD1618
12-BS-8 SS	12"	3 1/4" - 9 1/4"	524 lbs.*	PAD1618
12-BS-12 SS	12"	3 1/4" - 13 1/4"	524 lbs.*	PAD1618

Custom Supports

The following MIRO products can all be requested in a stainless steel configuration:

- Custom pipe supports
- Custom duct supports
- Crossovers, platforms, and ramps
- Wind & seismic

If you have any questions regarding our stainless steel selection please give us a call.



* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

** Max load based on all-thread capacity.

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES



MECHANICAL SUPPORTS

Mechanical units are a vital part of any rooftop system, so it's important to make sure that they are supported correctly to avoid damage and costly repairs or replacements. MIRO offers both a light-duty and a heavy-duty option of mechanical unit supports for equipment of any size.

Heavy-duty supports can be custom-built to any dimensions and load requirements that your project requires. They also are available with different deck materials, including our standard interlocking planks, bar grating, or fiberglass, or can be ordered without a deck to allow equipment to be mounted directly to rails. Like with all of our support products, the height on our mechanical supports is easy to adjust on-site.

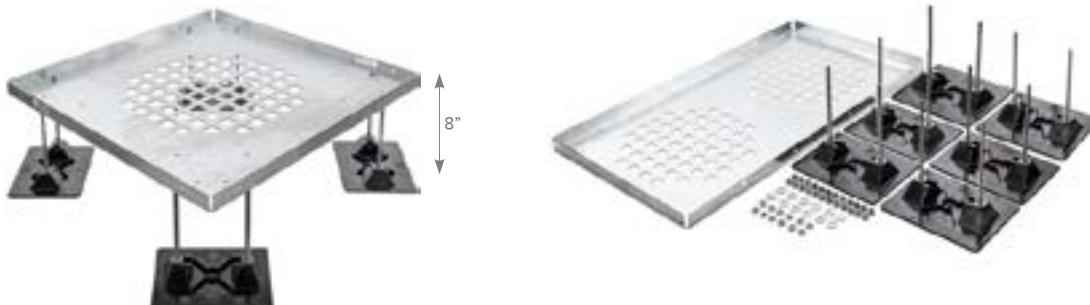
Quote templates are available at www.miroind.com/custom-quote, or by scanning the QR Code:



MECHANICAL SUPPORTS

LIGHT DUTY (LD) MECHANICAL SUPPORT

MIRO LD Mechanical Supports are a quick and easy solution to elevating small and light rooftop mechanical units. They are designed to support a unit 8" off the roof, with a weight capacity of up to 200 lbs. They are available in several different dimensions to accommodate varying size units. Ships with bases and hardware for on-site assembly. Visit our website for assembly instructions and videos.



LD Supports ship partially disassembled. Minimal assembly required.

AVAILABLE PAN SIZES	HEIGHT	MAX LOAD*	SUPPORT PAD
24x24	8"	200 lbs.	PAD710
30x30	8"	200 lbs.	PAD710
20x36	8"	200 lbs.	PAD710
36x36	8"	200 lbs.	PAD710
Custom pan sizes available			

HEAVY DUTY (HD) MECHANICAL SUPPORT **

The HD Mechanical Support is a larger alternative to the LD, providing increased adjustability, customization, and weight capacity. To obtain pricing for the HD Mechanical Support, please fill out our Custom Quote Template and submit it to your local Sales Representative. The templates, as well as a Sales Rep Locator are available on our website.

Information needed for pricing quote:

- Width and Length desired
- Height off roof
- Weight of unit being supported

HD Mechanical Support w/ Decking



HD Mechanical Support - Rail Only



* Max load based on limiting the roof membrane to a load of 3 psi. Ultimate capacity of support is not listed.

** Base and support pad size will be determined by job specific requirements. Bar grate or fiberglass available as platform materials upon request. Stainless steel or hot-dip galvanized bases also available upon request.

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS



SUREFOOT ACCESS

Built to offer safe and cost-effective access to facilities and equipment, Surefoot Access products are custom-designed to meet your site and OSHA standards. They are shipped partially assembled and ready for easy on-site assembly.

- Surefoot Bridge Crossovers span across pipes, ducts, expansion joints, elevation changes and other potential obstructions with engineered stair access.
- Surefoot Ramps provide solutions for wheeled access to areas previously blocked by rooftop pipes, structural gaps, or minor elevation changes, allowing heavy items to be rolled in or out for placement or service.
- Surefoot Service Platforms offer secure, elevated access to equipment in almost any setting, and are specifically designed for rooftop applications.

Molded polycarbonate bases effectively distribute loading to prevent point loading, damage to the roof surface or other critical rooftop equipment. Slip-resistant bar grating or interlock planking are used on all walking surfaces, to ensure solid footing and minimize snow and ice accumulation. In high wind or seismic zones, MIRO can engineer structural anchor points to maintain code and safety compliance. To resist corrosion, all Surefoot Access products are made of 100% galvanized materials.

WIND & SEISMIC

ACCESSORIES

Quote templates are available at www.miroind.com/custom-quote, or by scanning the QR Code:



SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

WIND & SEISMIC

ACCESSORIES

SUREFOOT ACCESS

SUREFOOT ACCESS

To obtain pricing for the Surefoot Access Bridge Crossover, Walkway, Service Platform, or the Ramp Systems, fill out our Custom Quote Template and submit to your local Sales Representative. The templates, as well as a Sales Rep Locator are available on our website.



See page 24 for details

Information needed for pricing quote:

- Desired span clearance
- Desired clearance height off roof
- Specify if railing is needed

Products are designed to meet OSHA 1910 Subpart D for walking/working surfaces. Base size determined for job specific requirements.

Products are available in full stainless steel configurations upon request.

Custom Bridge Crossover



Custom Service Platform



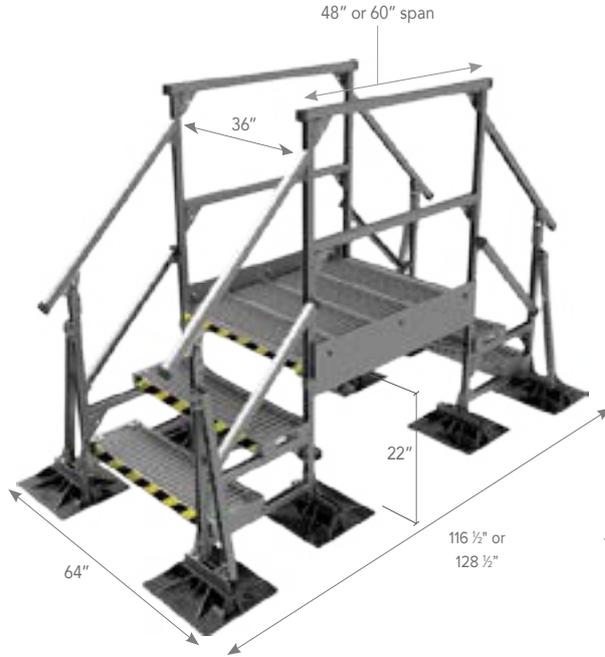
Custom Ramp



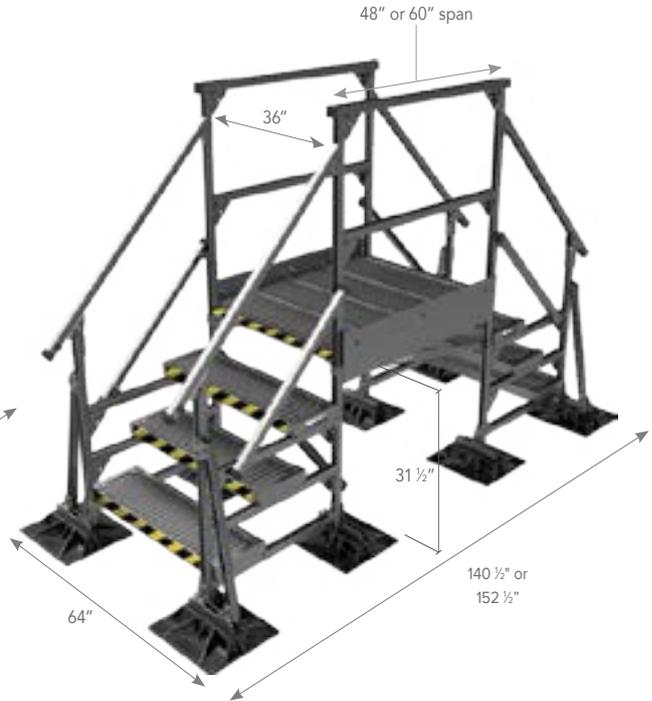
STANDARD CROSSOVERS

For a majority of rooftop access circumstances, MIRO has a selection of crossovers that have preset dimensions that are easy to order and assemble on-site. Just find which one has the clearance you need, then choose a span of either 48" or 60". Larger sizes and additional customization are available by simply getting in contact with your local MIRO Sales Representative (see page 39).

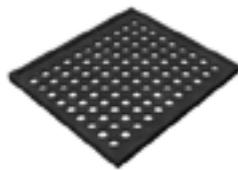
2-CO-48 / 2-CO-60



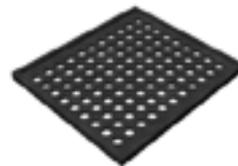
3-CO-48 / 3-CO-60



CROSSOVER KIT ACCESSORIES | SEE PAGE 34 FOR MORE INFO.



PAD1618

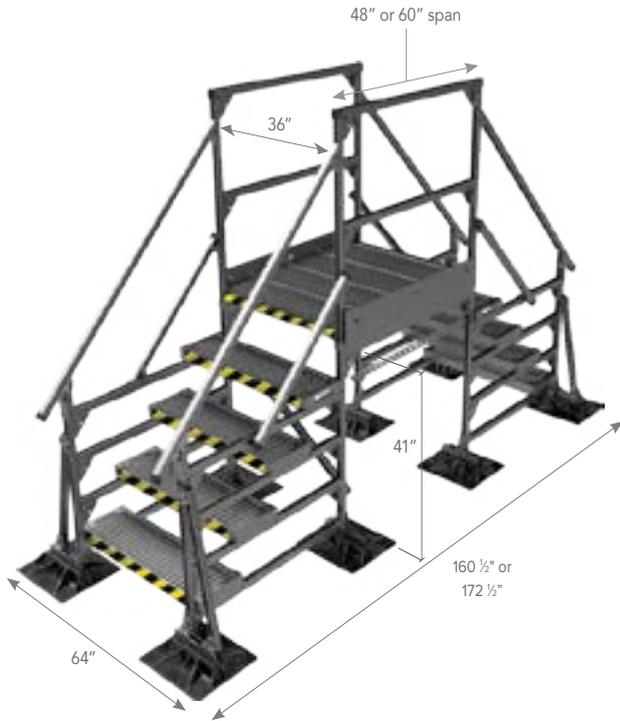


PAD1618

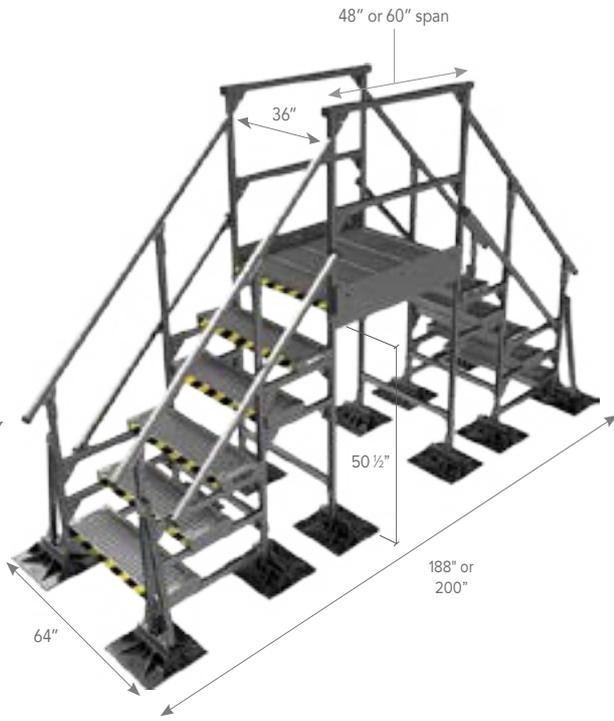
MODEL	NUMBER OF RISERS	CLEARANCE HEIGHT	PLATFORM LENGTHS	RISER HEIGHT	INSIDE WIDTH	OVERALL LENGTH	OVERALL WIDTH
2-CO-48	2 per side	22"	48" or 60"	9 ½"	36"	116 ½" or 128 ½"	64"
3-CO-48	3 per side	31 ½"	48" or 60"	9 ½"	36"	140 ½" or 152 ½"	64"

STANDARD CROSSOVERS

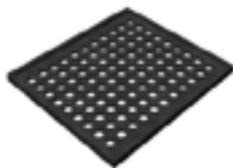
4-CO-48 / 4-CO-60



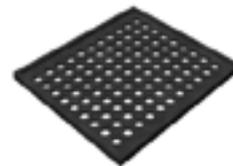
5-CO-48 / 5-CO-60



CROSSOVER KIT ACCESSORIES | SEE PAGE 34 FOR MORE INFO.



PAD1618



PAD1618

MODEL	NUMBER OF RISERS	CLEARANCE HEIGHT	PLATFORM LENGTHS	RISER HEIGHT	INSIDE WIDTH	OVERALL LENGTH	OVERALL WIDTH
4-CO-48	4 per side	41"	48" or 60"	9 1/2"	36"	160 1/2" or 172 1/2"	64"
5-CO-48	5 per side	50 1/2"	48" or 60"	9 1/2"	36"	187 1/2" or 200"	64"

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES

SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS



WIND & SEISMIC

WIND & SEISMIC

Addressing lateral and uplift loading on rooftop equipment can be a challenging task. A project-specific design and documentation prepared by a registered design professional are required to ensure code compliance is achieved. Typically, a support that is positively attached to the building structure is required to meet code applicable minimum uplift and lateral loading. Concerning rooftop equipment and distribution lines, wind and seismic loading requirements can become significant, and are specifically addressed in mechanical codes and building codes.

MIRO Industries has in-house design professionals that can provide a code-compliant sealed submittal, for supporting and restraining your rooftop equipment and distribution lines. Our objective with any project is to provide economical and sustainable solutions that meet equipment support and anchorage requirements. This means that we design solutions that are practical, less complex to install, and easily weatherproofed using typical roofing methods. MIRO Industries has 30+ years of experience providing support solutions for rooftop equipment that protect the integrity of your roof.

ACCESSORIES

Design requirement documents
available on our website by
scanning the QR code:



SLOPE ADJUSTMENTS

STAINLESS STEEL PRODUCTS

MECHANICAL SUPPORTS

SUREFOOT ACCESS

WIND & SEISMIC

ACCESSORIES

WIND & SEISMIC SUPPORTS

Protect your rooftop MEP non-structural systems from wind loading and earthquakes by using code-compliant wind and seismic products from MIRO (engineering design, calculation package and P.E. stamp provided by MIRO Industries).

Enclosed Duct Support



Pipe Supports



HD Mechanical Unit



Bridge Crossover



To obtain pricing for the Wind and Seismic supports, have the following information available:

- Pipe or duct layout
- Type of pipe or duct
- Size of pipe or duct
- Insulation thickness
- Pipe content
- Center line distance between adjacent pipes or ducts
- Clearance height above roof
- Project specific wind/seismic support design requirements

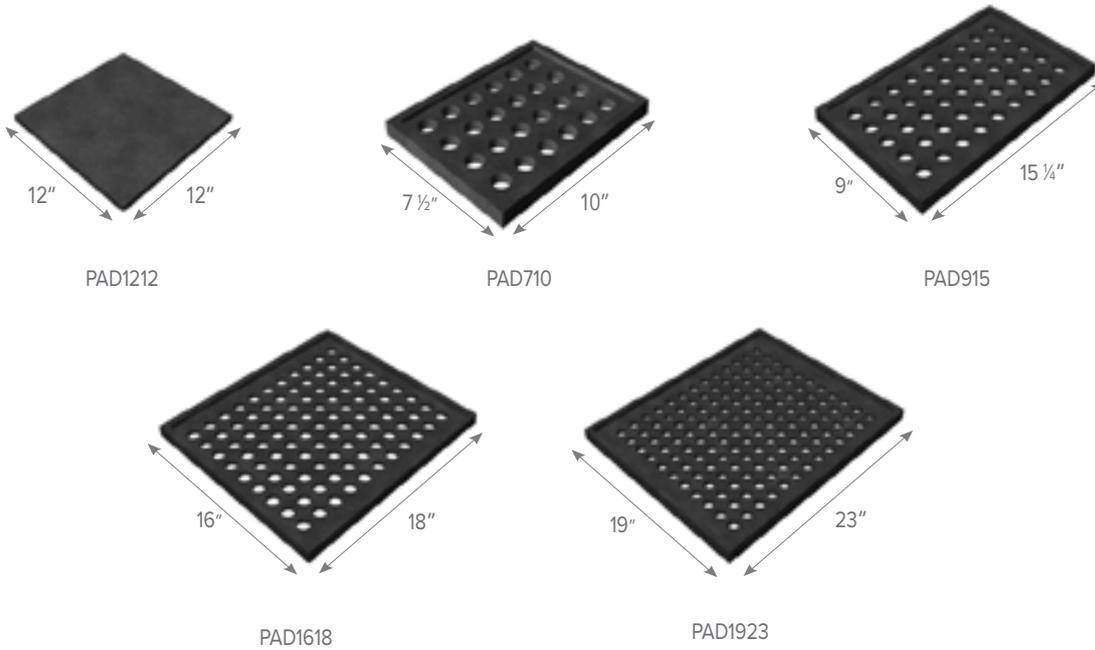
Additional information on needed requirements can be found in the Downloads section at miroind.com/products/seismic-wind/

* Component connection to the frame may be different than shown. Stanchions are designed for project specific applications.

ACCESSORIES

Support Pads

MIRO Industries custom support pads are designed specifically to fit the MIRO polycarbonate non-penetrating supports. The slip-resistant pads have a small lip to hold the base to the pad and reduce movement on the rooftop while also protecting the roof membrane. The holes in the pad save weight and allow for venting and drainage. The pads are heat molded using 100% recycled rubber.



SUPPORT PAD	WIDTH	LENGTH	INDIVIDUAL WEIGHT
PAD1212	12"	12"	1 lb.
PAD710	7 1/2"	10"	2 lbs.
PAD915	9"	15 1/4"	2 lbs.
PAD1618	16"	18"	4 lbs.
PAD1923	19"	23"	7 lbs.

* Rubber pads may not be compatible with PVC roofs. Contact us for optional slip pad for PVC roofs.

Pillow Block Spacers

Pillow Block Spacers are designed to provide an elevation increase of 1 1/2" on the 1.5 and 2" on the 3-R series of Pillow Block supports. The edges are gently rounded to prevent gouging the roof. A maximum of 2 spacers can be used under each support.



SPACER MODEL	HEIGHT	CASE QUANTITY	SHIPPING WEIGHT
1.5	1 1/2"	63 or 32	24 lbs.
3-R	2"	24	18 lbs.

Pipe Guides (Custom sizes available upon request)

Pipe guides can be attached to the MIRO Dynamic Series supports to keep the pipe centered on the roller. They are designed to fit loosely around the pipe so as to allow for pipe movement. Each support has a size that is kept in stock, but custom sizes can be provided upon request.



1.5 Pipe Guide
1.5" Nominal pipe



3.0 Pipe Guide
3" Nominal pipe



3-R-2 Pipe Guide
3" Nominal pipe



3-R-4 Pipe Guide
3" Nominal pipe



3-RAH sizes:
3" Nominal pipe (stock)
1" Nominal pipe
2" Nominal pipe



4-RAH sizes:
4" Nominal pipe (stock)
1" Nominal pipe
2" Nominal pipe
3" Nominal pipe



5-RAH sizes:
5" Nominal pipe (stock)
1" Nominal pipe
2" Nominal pipe
3" Nominal pipe
4" Nominal pipe



6-RAH sizes:
6" Nominal pipe (stock)
5" Nominal pipe
3" Nominal pipe with 2" insulation
4" Nominal pipe with 2" insulation



10-RAH sizes:
10" Nominal pipe (stock)
8" Nominal pipe
6" Nominal pipe

TERMS AND CONDITIONS

MIRO is a recognized leader in the rooftop support industry. Providing a professional service that strategically meets your needs. It is our goal to accomplish this vision through a team of highly motivated professionals, providing an advisory committee in the area of estimating and design.

MIRO is the one stop source for rooftop supports from planning through completion. Our goal is your complete satisfaction with our service.

MIRO provides a field staff ready to work while maximizing the value of your investment. Services provided: on-site takeoffs, installation, maintenance programs and consulting.

Standard Terms and Conditions of Sale

PRICES

All prices are List and applicable only within the Continental United States. Prices are subject to change without notice.

CREDIT

Invoices are due upon receipt and are past due after 30 days. A charge of 1½% per month of such maximum lesser amounts as is authorized by law, will be made on overdue accounts. Purchaser agrees to be subject to the jurisdiction of state and federal courts of Utah in any dispute over invoices and to pay reasonable attorney fees.

FREIGHT POLICY

F.O.B. Heber City, Utah, prepay freight & add

DELIVERY

Immediate on maintained stock.
MIRO Industries, Inc. reserves the right to change product design, standard packages, prices and terms without notice.

Return Policy

(1) If a reasonable error in purchase designation has occurred by purchaser; (2) if MIRO products have not been used, damaged, or placed upon the roof, and (3) if such stock is marketable; purchaser may request such product be returned; but only if purchaser meets the above three requirements, pays all return shipping charges, and pays a 25% restocking return charge. Discontinued items or custom orders of specially manufactured items are not returnable. No returns are allowed after 90 days from the date the PO was issued and without a return number.

LIMITED WARRANTY

As a recognized leader in the rooftop support industry, MIRO proudly offers a comprehensive limited warranty on its products.

BRAND	LENGTH OF LIMITED WARRANTY
MIRO Brand Products	20 Years
Rooftop Sleeper Support Brand Products	2 Years
UNIFLEX Brand Products	1 Year

*Limited Warranty details available at www.miroind.com/warranty (the "Website"). Any warranty terms listed herein are merely for convenience only and in the event that any of the terms or conditions herein conflict with the provisions, terms, or conditions on the Website, the Limited Warranty on the Website shall control. MIRO Industries, Inc. may change, amend, or modify its Limited Warranty, in whole or in part, in its sole discretion, and any such change, amendment, or modification shall be effective upon posting on the Website.

MIRO hereby disclaims and assumes no responsibility for incidental or consequential damage to the structure, its contents, loss of time, profits, energy or any inconvenience from any type of roof leak or damage.

OWNER'S RESPONSIBILITY

In the event of a damage or leak in the roofing system caused by MIRO pipe supports, the building owner must promptly notify MIRO in writing within ten (10) days after discovery of the leak or damage and no longer than one (1) year after the onset of actual damage. Regular maintenance is required to keep this warranty in full force and effective. (See MIRO Industries specification sheets.)

MIRO does not practice professional architecture; therefore, neither the issuance of this warranty or any review of the building's construction by our representatives shall constitute any additional warranty, inspection or approval.

This warranty becomes effective only upon full payment to MIRO for all MIRO products and services, a complete installation and inspection of MIRO products, and MIRO's authorized signature below.

Transfer of Warranty: This warranty may only be transferred by the building owner to a subsequent purchaser of the property by giving not less than ten (10) days written notice to MIRO of such transfer. MIRO must have the opportunity to inspect and rectify the roofing system and respond to the building owner and the purchaser.

This document and all of the information therein are the property of MIRO INDUSTRIES, INC. the information contained is loaned, subject to return upon demand, and is not to be used directly or indirectly in any way detrimental to our interest. Further the information contained therein shall not be used, in whole or in part, except when allowed by written authorization from MIRO INDUSTRIES, INC.

TYPICAL PIPE DIMENSIONS AND WEIGHTS

Trade Size (in)	STEEL PIPE							
	Sch. 40				Sch. 80			
	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)
0.5	0.62	0.84	0.85	0.98	0.55	0.84	1.09	1.19
0.75	0.82	1.05	1.13	1.36	0.74	1.05	1.48	1.66
1	1.05	1.32	1.68	2.06	0.96	1.32	2.17	2.49
1.25	1.38	1.66	2.27	2.92	1.28	1.66	3.00	3.56
1.5	1.61	1.90	2.72	3.60	1.50	1.90	3.63	4.40
2	2.07	2.38	3.66	5.11	1.94	2.38	5.03	6.31
2.5	2.47	2.88	5.80	7.87	2.32	2.88	7.67	9.51
3	3.07	3.50	7.58	10.79	2.90	3.50	10.26	13.13
3.5	3.55	4.00	9.12	13.40	3.36	4.00	12.52	16.37
4	4.03	4.50	10.80	16.32	3.83	4.50	15.00	19.98
5	5.05	5.56	14.63	23.30	4.81	5.56	20.80	28.69
6	6.07	6.63	18.99	31.52	5.76	6.63	28.60	39.90
8	7.98	8.63	28.58	50.27	7.63	8.63	43.43	63.23
10	10.02	10.75	40.52	74.71	9.56	10.75	64.39	95.53
12	11.94	12.75	53.57	102.10	11.38	12.75	88.59	132.66

Trade Size (in)	STAINLESS STEEL PIPE							
	Sch. 40s				Sch. 80s			
	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)
0.5	0.62	0.84	0.87	1.00	0.55	0.84	1.1	1.20
0.75	0.82	1.05	1.2	1.43	0.74	1.05	1.5	1.69
1	1.05	1.32	1.7	2.07	0.96	1.32	2.2	2.51
1.25	1.38	1.66	2.3	2.95	1.28	1.66	3.1	3.66
1.5	1.61	1.90	2.8	3.68	1.50	1.90	3.7	4.47
2	2.07	2.38	3.7	5.15	1.94	2.38	5.1	6.38
2.5	2.47	2.88	5.9	7.97	2.32	2.88	7.8	9.64
3	3.07	3.50	7.8	11.00	2.90	3.50	10.5	13.36
3.5	3.55	4.00	9.3	13.58	3.36	4.00	12.8	16.65
4	4.03	4.50	11	16.52	3.83	4.50	15.3	20.28
5	5.05	5.56	15	23.67	4.81	5.56	21.3	29.18
6	6.07	6.63	19.4	31.92	5.76	6.63	29.2	40.50
8	7.98	8.63	29.2	50.88	7.63	8.63	44.4	64.19
10	10.02	10.75	41.4	75.57	9.75	10.75	56	88.35
12	12.00	12.75	50.7	99.71	11.75	12.75	67	113.99

Trade Size (in)	PVC PIPE							
	Sch. 40				Sch. 80			
	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)
0.5	0.62	0.84	0.16	0.29	0.55	0.84	0.20	0.30
0.75	0.82	1.05	0.21	0.44	0.74	1.05	0.27	0.46
1	1.05	1.32	0.32	0.69	0.96	1.32	0.41	0.72
1.25	1.38	1.66	0.43	1.08	1.28	1.66	0.52	1.08
1.5	1.61	1.90	0.51	1.39	1.50	1.90	0.67	1.44
2	2.07	2.38	0.68	2.13	1.94	2.38	0.95	2.23
2.5	2.47	2.88	1.07	3.15	2.32	2.88	1.45	3.29
3	3.07	3.50	1.41	4.61	2.90	3.50	1.94	4.80
3.5	--	--	--	--	--	--	--	--
4	4.03	4.50	2.01	7.53	3.83	4.50	2.75	7.73
5	5.05	5.56	2.73	11.40	4.81	5.56	3.87	11.76
6	6.07	6.63	3.53	16.06	5.76	6.63	5.42	16.72
8	7.98	8.63	5.39	27.08	7.63	8.63	8.05	27.85
10	10.02	10.75	7.55	41.74	9.56	10.75	12.00	43.15
12	11.94	12.75	10.01	58.54	11.38	12.75	16.50	60.57

Trade Size (in)	CONDUIT							
	Rigid Steel Conduit (RSC)				Inter. Metal Conduit (IMC)			
	ID (in)	OD (in)	Empty (lb/ft)	Full (lb/ft)	ID (in)	OD (in)	Empty (lb/ft)	*Full (lb/ft)
0.5	0.63	0.84	0.82	0.96	0.68	0.82	0.07	0.22
0.75	--	--	--	--	0.88	1.03	0.92	1.18
1	1.06	1.32	1.61	1.99	1.12	1.29	1.20	1.63
1.25	1.39	1.66	2.18	2.84	1.47	1.64	1.53	2.26
1.5	1.62	1.90	2.63	3.53	1.70	1.88	1.88	2.87
2	2.08	2.38	3.50	4.98	2.17	2.36	2.51	4.11
2.5	2.49	2.88	5.59	7.70	2.60	2.86	4.22	6.52
3	3.09	3.50	7.27	10.52	3.22	3.48	5.20	8.72
3.5	3.57	4.00	8.80	13.14	3.71	3.97	6.05	10.74
4	4.05	4.50	10.30	15.89	4.21	4.47	6.74	12.76
5	5.07	5.56	14.00	22.76	--	--	--	--
6	6.09	6.63	18.40	31.04	--	--	--	--
8	--	--	--	--	--	--	--	--
10	--	--	--	--	--	--	--	--
12	--	--	--	--	--	--	--	--

* Full pipe weight is based on pipe full of water.

MASTERFORMAT DIVISION CODES

The following specifications cover rooftop support systems for piping, conduit, equipment, walkways and cable trays. For your convenience, the specifications have been developed using the section numbering from both the 1995 MasterFormat and the 2004 MasterFormat.

Please contact MIRO Industries, Inc. at 1-800-768-6978 or email at sales@miroind.com if you incur any problems or have any questions regarding these specifications.

1995 MASTER FORMAT

DIVISION 07

Section 07590 - Roof Maintenance and Repairs

- 07700 - Roof Specialties and Accessories
- 07710 - Manufactured Roof Accessories
- 07720 - Roof Accessories
- 07760 - Roof Pavers

DIVISION 15

Section 15050 - Basic Mechanical Materials and Methods

- 15060 - Hangers and Supports
- 15070 - Mechanical Sound, Vibration, and seismic control
- 15090 - Mechanical Restoration and Retrofit
- 15411 - Fittings, Trim, and Accessories
- 15700 - Heating, Ventilating, and Air Conditioning Equipment
- 15820 - Duct Accessories

DIVISION 16

Section 16070 - Hangers and Supports

- 16700 - Communications

2004 MASTER FORMAT

DIVISION 07

Section 07 00 00 - Thermal & Moisture Protection

- 07 71 00 - Roof Specialties
- 07 72 00 - Roof Accessories
- 07 72 46 - Roof Walkways
- 07 76 00 - Roof Pavers

DIVISION 21

Section 21 00 00 - Fire Suppression

- 21 05 29 - Hangers & Supports for Fire Suppression Piping & Equipment
- 21 05 48 - Vibration & Seismic Controls for Plumbing, Piping & Equipment

DIVISION 22

Section 22 00 00 - Plumbing

- 22 05 29 - Hangers & Supports for Plumbing, Piping & Equipment
- 22 05 48 - Vibration & Seismic Controls for Plumbing, Piping & Equipment

DIVISION 23

Section 23 00 00 - Heating, Ventilating & Air Conditioning (HVAC)

- 23 05 29 - Hangers & Supports for HVAC
- 23 05 48 - Vibration & Seismic Controls for HVAC Piping & Equipment
- 23 33 00 - Air Duct Accessories

DIVISION 26

Section 26 00 00 - Electrical

DIVISION 27

Section 27 00 00 - Communication

HOW CAN WE SUPPORT YOU?

Setting the standard for rooftop support products since 1982.

