

**CADDY**<sup>®</sup>

# CADDY<sup>®</sup> PYRAMID

Rooftop Support System



**ERICO**<sup>®</sup>

# Plumbing & HVAC Applications



## Why Buy CADDY® PYRAMID

### For Engineers and Consultants:

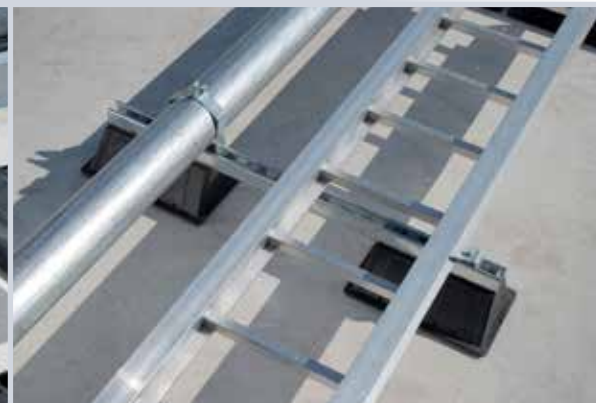
#### Challenge:

- Properly support heavy loads
- Minimize the chance of point loading or abrading the roof membrane
- Ensure chemical compatibility with anything you place on the roof membrane

#### CADDY PYRAMID Solution:

- CADDY PYRAMID offers a broad portfolio compatible with most roof surfaces, including single-ply, bituminous, metal and spray foam
- CADDY PYRAMID provides excellent load distribution with some of the industry's best load ratings
- CADDY PYRAMID minimizes point loading and roof abrasion
- CADDY PYRAMID is UV stable, corrosion resistant, and durable over an extensive temperature range

# Electrical Applications





### Why Buy CADDY® PYRAMID

#### For Building Owners:

##### Challenge:

- Roofs not only protect some of the most valuable assets, they often represent a significant cost to replace and maintain
- Substandard materials and methods can increase the chance of roof damage
- Increasingly, roofs are seen as prime real estate and are being utilized for equipment placement, alternative energy systems, and as green space

##### CADDY PYRAMID Solution:

- CADDY PYRAMID is extremely roof compatible
- CADDY PYRAMID is designed to minimize the chance of damage to roofs
- CADDY PYRAMID is fast and easy to install, minimizing costs
- CADDY PYRAMID provides an aesthetically pleasing, flexible engineered solution designed to meet the challenges of densely populated roofs



### Why Buy CADDY® PYRAMID

#### For Contractors and Installers:

##### Challenge:

- Meet the project scope and stay within budget
- Provide a high quality installation
- Need a fast and easy to install solution
- Adapt to a broad range of applications and roof materials

##### CADDY PYRAMID Solution:

- CADDY PYRAMID is designed to get installers on and off the roof quickly
- CADDY PYRAMID creates an aesthetically pleasing, high quality solution
- CADDY PYRAMID offers a broad portfolio of solutions that simplify material management

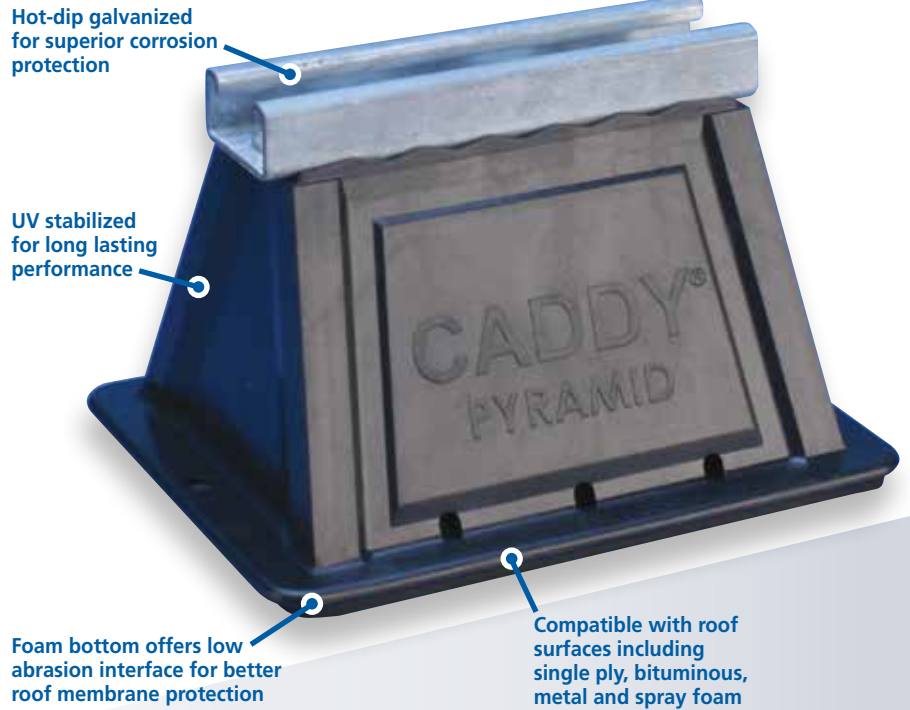
## Equipment Support Applications



CADDY® PYRAMID rooftop supports are a surface mounted solution for supporting electrical and mechanical applications on a variety of roof surfaces.

They offer superior load capacity and dramatically reduce installation time by replacing slow, heavy and labor-intensive methods for support of pipe, conduit, duct, cable tray and equipment.

Unlike wood blocks, CADDY PYRAMID supports are specifically designed for rooftop applications, incorporating unique materials and finishes that protect roof membranes and provide superior corrosion protection.



Hot-dip galvanized for superior corrosion protection

UV stabilized for long lasting performance

Foam bottom offers low abrasion interface for better roof membrane protection

Compatible with roof surfaces including single ply, bituminous, metal and spray foam

“Our clients’ roofs are a **significant investment**. Protecting these assets requires the use of engineered solutions that can **withstand the test of time**, which is why we have standardized on the CADDY® PYRAMID family of roof top supports.”

Chris Denman, Vice President and Partner  
Roof Management, LLC

Load Rating

- Fewer supports required for the same load
- Less material, less labor

Load Distribution

- Minimizes point loading and stress concentrations
- Reduces likelihood of roof membrane damage

Foam Bottom

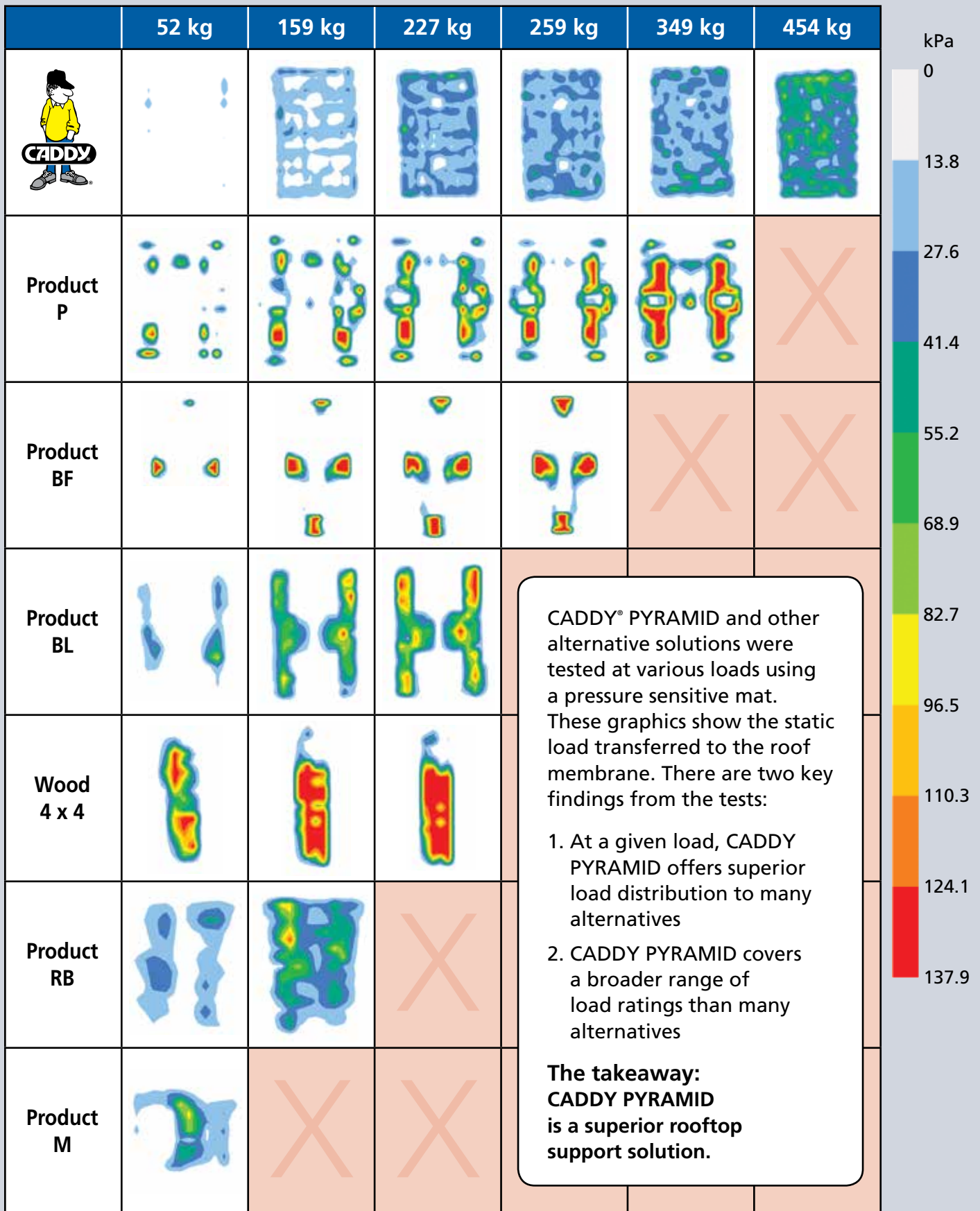
- Provides roof membrane compatibility
- Eliminates the need for a separation sheet


CADDY® Quality and Innovations

- More than 14 years of designing and building high-quality rooftop support solutions
- Continuously innovating for over 110 years



# Rooftop Supports: Load Distribution

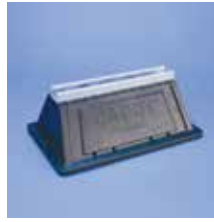


 Product does not support load ratings at this level

# CADDY® PYRAMID ST Strut-Based Supports

CADDY® PYRAMID ST Strut-Based Supports offer an ideal solution for mounting electrical and mechanical applications to strut. Superior load distribution and a low abrasion foam interface combine to ensure that the roof membrane is protected despite varying roof surfaces and shifting caused by expansion and contraction.

- Provides superior load distribution, even with varying rooftop surfaces
- Ready to use out of the box, saving installation time and labor
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Foam bottom offers low abrasion interface for better roof membrane protection
- Hot-dip galvanized and UV stabilized for long lasting performance



## CADDY® PYRAMID ST Fixed Strut Supports

Provides a fixed-height mounting platform with 152 mm, 254 mm, or 457 mm of usable strut length.

- Provides superior support for pipe, conduit, duct, cable tray and equipment
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Easy to transport to the roof

Material: Polyethylene, Polypropylene, Steel

Finish: Hot-dip galvanized

Temperature: -45 to 65 °C

Static Load Safety Factor: 3:1

Part Number	Article Number	Strut Length	Height	Static Load
PSF6C	360463	152 mm	122 mm	1,334 N
PSF10C	360464	254 mm	122 mm	4,450 N
PSF10D	360465	254 mm	163 mm	4,450 N
PSF16C	360466	406 mm	122 mm	6,670 N
PSF16D	360467	406 mm	163 mm	6,670 N





## CADDY® PYRAMID ST Adjustable Strut Supports

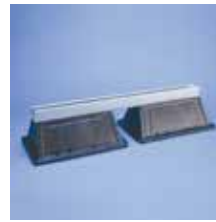
Allows elevation changes of up to 457 mm off the roof surface with 254 mm or 406 mm of usable strut length.

- Height adjustability provides effective navigation of pipe, conduit, duct and cable tray around obstructions
- Multiple sizes and load ratings offer the ability to tailor the solution to the application

Material: Polyethylene, Polypropylene, Steel  
 Finish: Hot-dip galvanized  
 Temperature: -45 to 65 °C  
 Static Load Safety Factor: 3:1

Part Number	Article Number	Strut Length	Height	Static Load
PSA10CH13	360468	254 mm	152 – 330 mm	4,450 N
PSA16AH18	360469	406 mm	178 – 457 mm	6,670 N

**TIP** Click on any part number to visit our website for more detailed information.



## CADDY® PYRAMID ST Bridge Assemblies

Provides a fixed-height mounting platform off the roof surface with 610 mm to 1524 mm of usable strut length.

- Ideal for supporting multiple pipe runs, cable tray and air handling units
- Multiple sizes and load ratings offer the ability to tailor the solution to the application

Material: Polyethylene, Polypropylene, Steel  
 Finish: Hot-dip galvanized  
 Temperature: -45 to 65 °C  
 Static Load Safety Factor: 3:1

Part Number	Article Number	Strut Length	Height	Static Load
PSB24A	360475	610 mm	142 mm	8,900 N
PSB30A	360476	762 mm	142 mm	8,900 N
PSB36A	360477	914 mm	142 mm	8,900 N
PSB42A	360478	1,067 mm	142 mm	13,340 N
PSB48A	360479	1,219 mm	142 mm	13,340 N
PSB60A	360480	1,524 mm	142 mm	13,340 N

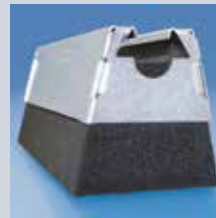
Static loads are assumed to be uniformly distributed.



“We have  
**standardized**  
 on CADDY PYRAMID ST Series  
 Supports for our cable tray  
 installations. They are extremely  
**simple to use** and provide  
 a **lower total installed cost**  
 than wood blocks, concrete slabs,  
 and other engineered solutions.”

Alain Lemaire, Achats et Réalisation | G2EI

### ALSO AVAILABLE!



## CADDY® PYRAMID 50 Foam-Based Support



- Replaces slow and labor-intensive installation methods
- Supports pipe, conduit, cable tray and equipment on roofs and below raised floors
- Easily increase load capacity by combining similar CADDY® PYRAMID supports
- Protects the roof membrane while absorbing shock and vibration, without absorbing water
- Metal cover protects against weather and other environmental conditions, such as bird damage

Material: Polyethylene, Polypropylene, Steel  
 Static Load Safety Factor: 3:1

Part Number	Article Number	Length	Height	Static Load
<b>Finish: Electro-galvanized</b>				
RPS50H4EG	182470	264 mm	101 mm	220 N
RPS50H6EG	182480	264 mm	152 mm	220 N
<b>Finish: Hot-dip galvanized</b>				
RPS50H4HD	182500	264 mm	101 mm	220 N
RPS50H6HD	182510	264 mm	152 mm	220 N

# CADDY® PYRAMID RL Roller-Based Supports

CADDY® PYRAMID RL Roller-Based Supports offer an ideal solution for mechanical piping systems. Long-lasting performance is ensured by providing polymeric rollers for corrosion free rotation. CADDY PYRAMID RL Roller-Based Supports are specially designed to avoid formation of flat spots and seized rollers during expansion and contraction. Superior load distribution and a low abrasion foam interface combine to ensure that the roof membrane is protected despite uneven roof surfaces and shifting caused by expansion and contraction.

- Polymeric rollers ensure corrosion free rotation
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Ready to use out of the box, saving installation time and labor
- Hot-dip galvanized and UV stabilized for long lasting performance

## SUPPORT ACCESSORY:



### Retainer Strap

Provides additional support to ensure that the pipe stays in-line with the roller.

- Prevents pipe from being dislodged from roller supports
- Innovative twist-lock design allows for easy installation without requiring hardware removal

Material: Steel  
Finish: Hot-dip galvanized

Part Number	Article Number	NB / DN
PRS2	360481	50 Max
PRS3	360482	80 Max
PRS6	360483	150 Max



### CADDY® PYRAMID RL Fixed Roller Supports

Provides a fixed height roller to support up to DN150 nominal pipe.

- Roller-based support designed specifically for rooftop applications
- Roller capability allows longitudinal movement of pipe, resulting from thermal expansion or contraction

Material: Polyethylene, Polypropylene, Steel  
Finish: Hot-dip galvanized  
Temperature: -45 to 65 °C  
Static Load Safety Factor: 3:1

Part Number	Article Number	NB / DN	Height	Static Load
PRF2	360470	50 Max	147 mm	445 N
PRF3	360471	80 Max	159 mm	1,112 N
PRF6	360472	150 Max	159 mm	2,670 N



### CADDY® PYRAMID RL Adjustable Roller Supports

Adjustable height allows elevation changes up to 406 mm off the roof for up to DN150 nominal pipe.

- Height-adjustable roller-based support designed specifically for rooftop applications
- Height adjustability allows for effective navigation of pipe around obstructions

Material: Polyethylene, Polypropylene, Steel  
Finish: Hot-dip galvanized  
Temperature: -45 to 65 °C  
Static Load Safety Factor: 3:1

Part Number	Article Number	NB / DN	Height	Static Load
PRA3H12	360473	80 Max	152 – 305 mm	1,112 N
PRA6H16	360474	150 Max	165 – 406 mm	2,670 N

“The CADDY PYRAMID family allows us to streamline our project operations while delivering an aesthetically pleasing product for our clients.”

Kyle Laubach, VP of Operations  
Environmental Roofing and Waterproofing

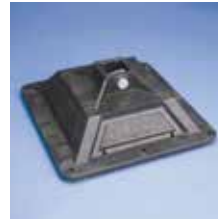




# CADDY® PYRAMID H-Frame

CADDY® PYRAMID H-Frame Series Support System is a fast and economical solution for a variety of rooftop applications where support height and width exceed those of the CADDY PYRAMID ST or CADDY PYRAMID RL series. It provides an ideal support solution for duct, large diameter pipe or cable tray. Superior load distribution and a low abrasion foam interface combine to ensure that the roof membrane is protected despite varying roof surfaces and shifting caused by expansion and contraction.

- Foam or rubber bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Rubber rooftop interface ideal for solar panel array installations
- Hot-dip galvanized and UV stabilized for long lasting performance
- Accepts standard strut channels



## CADDY® PYRAMID H-Frame Post Base

- Mounting hardware pre-installed in bases

Material: Polyethylene, Polypropylene, Steel  
 Finish: Hot-dip galvanized  
 Temperature: -34 to 54 °C  
 Static Load Safety Factor: 3:1  
 Strut Type: A

Part Number	Article Number	Rooftop Interface	Height	Length / Width	Static Load
PHB	360422	Foam	117 mm	314 mm	3,335 N
PHBR	360423	Rubber	118 mm	314 mm	3,335 N



## CADDY® PYRAMID H-Frame Kit

- Kit includes 2 post bases with pre-installed mounting hardware, 6 bolts, 6 strut nuts, and 2 L-brackets to complete H-frame

Material: Polyethylene, Polypropylene  
 Temperature: -34 to 54 °C  
 Static Load Safety Factor: 3:1  
 Strut Type: A

Part Number	Article Number	Rooftop Interface	Height	Length / Width	Static Load
PHK	360420	Foam	117 mm	314 mm	6,670 N
PHKR	360421	Rubber	118 mm	314 mm	6,670 N

Static load represents 3,335 N per post base. The end user must select and evaluate the strut framing to ensure the assembled H-frame can properly support the applied load.

### SUPPORT ACCESSORY:



## CADDY® PYRAMID H-Frame Hardware Kit

- Kit includes 6 bolts, 6 strut nuts, and 2 L-brackets to build custom multi-tier H-frame assemblies

Material: Steel  
 Finish: Hot-dip galvanized

Part Number	Article Number	Screw Diameter
HFRMHDW	360424	M12



# CADDY® PYRAMID Equipment Supports

CADDY® PYRAMID Equipment Support is a fast, flexible and innovative system for supporting heavy-duty mechanical services on rooftop surfaces. Superior load distribution and a low abrasion foam interface combine to ensure that the roof membrane is protected despite varying roof surfaces and shifting caused by expansion and contraction.

## SUPPORT ACCESSORY:



### CADDY® PYRAMID Equipment Support Clamp

Clamp to secure heavy-duty mechanical equipment when creating a custom frame out of strut.

- Ideal for use with strut channel type A and square tube to create custom equipment supports
- Slotted design offers fast and easy installation

Material: Steel  
Finish: Hot-dip galvanized

Part Number	Article Number	Strut Type
PEC	360428	A



### CADDY® PYRAMID Equipment Support Kit

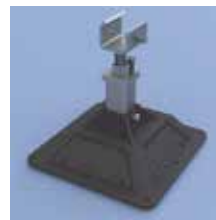
Includes all post bases, hardware and framing needed for an out of the box solution to construct a 1 m or 2 m equipment support.

- Kit includes post-base assemblies, frame and equipment-support clamps
- Assembles and adjusts to size and height in minutes by one person with one tool
- Innovative crossbar and equipment-support clamps enable quick assembly
- Integral foam pad provides gentle interface for all roof types
- Hot-dip galvanized and UV stabilized for long lasting performance
- Assembled support can be lifted as one unit and easily relocated
- Available in 4- or 6-post base configurations

Material: Steel, Polypropylene, Polyethylene  
Finish: Hot-dip galvanized  
Temperature: -34 to 54 °C  
Height: 305 – 457 mm  
Length: 1,588 mm  
Post Base: 314 mm

Part Number	Article Number	Post Base	Width	Surface Area	Ultimate Static Load
PEK4B	360426	4 pc	1,257 mm	0.36 m <sup>2</sup>	4,980 N
PEK6B	360427	6 pc	2,172 mm	0.56 m <sup>2</sup>	9,960 N

Static load must be stable and uniformly distributed across frame.



### CADDY® PYRAMID Equipment Support Post Base

Individual post base with height adjustable leg 305 to 457 mm gives you the flexibility to create your own equipment support with strut.

- Ideal for use with strut channel type A and U-shaped brackets to create custom equipment supports
- Height adjustable
- Innovative base design evenly distributes load to help prevent damage to roof membrane
- Base is manufactured from UV-stabilized thermoplastic material

Material: Steel, Polypropylene, Polyethylene  
Finish: Hot-dip galvanized  
Temperature: -34 to 54 °C  
Static Load Safety Factor: 3:1

Part Number	Article Number	Height	Length / Width	Surface Area	Static Load
PEB	360425	305 – 457 mm	314 mm	0.09 m <sup>2</sup>	3,340 N



[Click here to watch the video!](#)



## CADDY® PYRAMID Equipment Support Frame Extension Kit

- Allows creation of custom equipment support lengths by attaching the CADDY® PYRAMID Extension Kit in series to a CADDY PYRAMID Equipment Support Kit
- Kit includes two post-base assemblies, frame and equipment-support clamps for easy attachment to a CADDY PYRAMID Equipment Support Kit
- Square tube and cross bars provide superior load and deflection capabilities over standard strut profiles
- Assembles and adjusts to size and height in minutes by one person with one tool
- Innovative crossbar and equipment-support clamps enable quick assembly
- Integral foam pad provides gentle interface for all roof types
- Hot-dip galvanized finish provides superior corrosion protection

Material: Steel, Polypropylene, Polyethylene

Finish: Hot-dip galvanized

Temperature: -34 to 54 °C

Height: 305 – 457 mm

Length: 1,588 mm

Post Base: 314 mm

Part Number	Article Number	Post Base	Width	Surface Area	Ultimate Static Load
PEKEF	360493	2 pc	1,257 mm	0.18 m	4,980 N

Static load must be stable and uniformly distributed across frame.

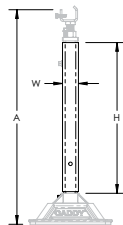
CADDY® PYRAMID Equipment Support Frame Extension must be used in conjunction with a CADDY® PYRAMID Equipment Support Kit.



## CADDY® PYRAMID Equipment Support Height Extension

Height extension used to lift the frame up to 914 mm off the roof surface.

- Increases the height between the equipment support frame and roof deck
- Inserts directly into CADDY® PYRAMID Equipment Support Bases



Material: Steel

Finish: Hot-Dip Galvanized

Part Number	Article Number	H Height	A Post Base Height with Extension	W Width
PEH31	360494	568 mm	762 – 914 mm	60 mm

## CADDY® PYRAMID EZ Rubber-Based Supports



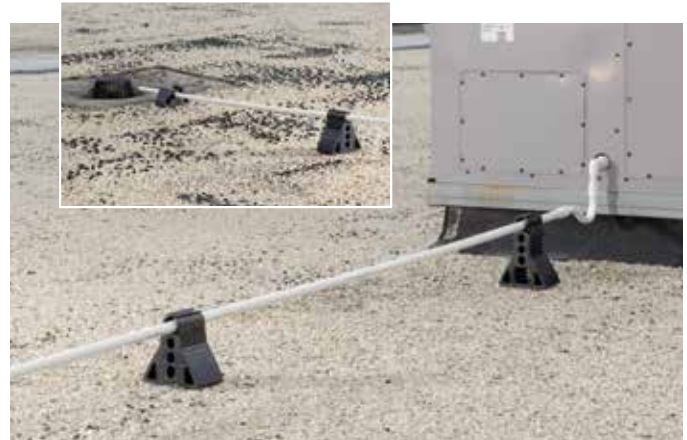
Feature a wide platform base design to provide reliable support and distribute load across roof surface. These versatile supports are fast and easy to install compared to wood blocks and metal straps.

- Quick height adjustment accommodates for uneven roofs or sloped condensate lines
- No tools or fasteners needed; fast snap-on installation
- Design sheds water and helps reduce pipe corrosion
- Roof-friendly; made of UV-stabilized EPDM material

Material: EPDM-SBR rubber

Part Number	Article Number	NB / DN	Height	Ultimate Static Load
RPSE1H24	182365	25	45 – 102 mm	756 N
RPSE1H57	182370	25	127 – 178 mm	756 N
RPSE2H46	182375	50	102 – 152 mm	1,112 N
RPSE4H46	182380	100	100 – 150 mm	3,920 N

Ultimate load at 6.35 mm deflection. Contact project or roofing engineer for maximum allowable load on individual project roof system.



“**Labor** represents over 50% of the costs on our projects. We chose to **standardize** on CADDY® PYRAMID Equipment Supports for our air handling unit installations, because **one person can easily assemble** and locate the support unit where required on the roof. This is a very well designed product that saves installation time & keeps me under budget.”

Ulf Engel, Dipl. -Ing. (FH) | ROKO-Klimatechnik

# CADDY® PYRAMID Universal Support



- Captive stainless steel nuts allow for custom attachment methods to the support base including easy attachment of stainless steel strut, threaded rod or other project-specific hardware
- Foam bottom offers low abrasion interface for better roof membrane protection
- Compatible with roof surfaces including single ply, bituminous, metal and spray foam
- Provides superior load distribution, even with varying rooftop surfaces
- Multiple sizes and load ratings offer the ability to tailor the solution to the application
- Base is manufactured from UV-stabilized thermoplastic material

Material: Polyethylene; Polypropylene; Stainless Steel 18-8  
 Temperature : -45 to 65 °C  
 Static Load Safety Factor: 3:1  
 Height: 101.6 mm

Part Number	Article Number	Length	Width	Thread Size	Ultimate Static Load
PBU6	360495	203.0 mm	152 mm	(3) M10	1,334 N
PBU10	360496	317.5 mm	203 mm	(2) M10	4,450 N
PBU16	360497	483.0 mm	203 mm	(2) M10	6,670 N

ANSI is a registered trademark of American National Standards Institute.  
 YouTube is a registered trademark of Google Inc.

#### WARNING

ERICO products shall be installed and used only as indicated in ERICO's product instruction sheets and training materials. Instruction sheets are available at [www.erico.com](http://www.erico.com) and from your ERICO customer service representative. Improper installation, misuse, misapplication or other failure to completely follow ERICO's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death.

#### WARRANTY

ERICO products are warranted to be free from defects in material and workmanship at the time of shipment. NO OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), SHALL EXIST IN CONNECTION WITH THE SALE OR USE OF ANY ERICO PRODUCTS. Claims for errors, shortages, defects or nonconformities ascertainable upon inspection must be made in writing within 5 days after Buyer's receipt of products. All other claims must be made in writing to ERICO within 6 months from the date of shipment or transport. Products claimed to be nonconforming or defective must, upon ERICO's prior written approval in accordance with its standard terms and procedures governing returns, promptly be returned to ERICO for inspection. Claims not made as provided above and within the applicable time period will be barred. ERICO shall in no event be responsible if the products have not been stored or used in accordance with its specifications and recommended procedures. ERICO will, at its option, either repair or replace nonconforming or defective products for which it is responsible or return the purchase price to the Buyer. THE FOREGOING STATES BUYER'S EXCLUSIVE REMEDY FOR ANY BREACH OF ERICO WARRANTY AND FOR ANY CLAIM, WHETHER SOUNDING IN CONTRACT, TORT OR NEGLIGENCE, FOR LOSS OR INJURY CAUSED BY THE SALE OR USE OF ANY PRODUCT.

#### LIMITATION OF LIABILITY

ERICO excludes all liability except such liability that is directly attributable to the willful or gross negligence of ERICO's employees. Should ERICO be held liable its liability shall in no event exceed the total purchase price under the contract. ERICO SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS OF BUSINESS OR PROFITS, DOWNTIME OR DELAY, LABOR, REPAIR OR MATERIAL COSTS OR ANY SIMILAR OR DISSIMILAR CONSEQUENTIAL LOSS OR DAMAGE INCURRED BY BUYER.

# CADDY® PYRAMID 25 Pipe and Conduit Support



- Lightweight plastic construction
- UV resistant, designed and tested for outdoor use
- No tools or fasteners needed for installation
- Rounded edges to help protect the roof membrane

Material: Acrylonitrile Butadiene Styrene

Part Number	Article Number	Height	Static Load
PPRPS25H4	182450	112.7 mm	111 N
PPRPS25H6	182460	163.5 mm	111 N

“As a roofing membrane manufacturer, the products that we choose for our own roof must reflect the same level of **quality** and **durability** as our brand. We chose the CADDY® PYRAMID EZ Series Rooftop Support System during our office roof renovation to **replace the original wood blocks** that held up the gas lines. They were economical, simple to install, and contributed to the general aesthetics of the roof. Just like our installing contractor said, ‘These CADDY® Supports are pretty sweet!’”

Jerry Beall, Product and Technical Specialist  
 FiberTite Roofing Systems, Seaman Corporation