



**ROCKET RACK®**

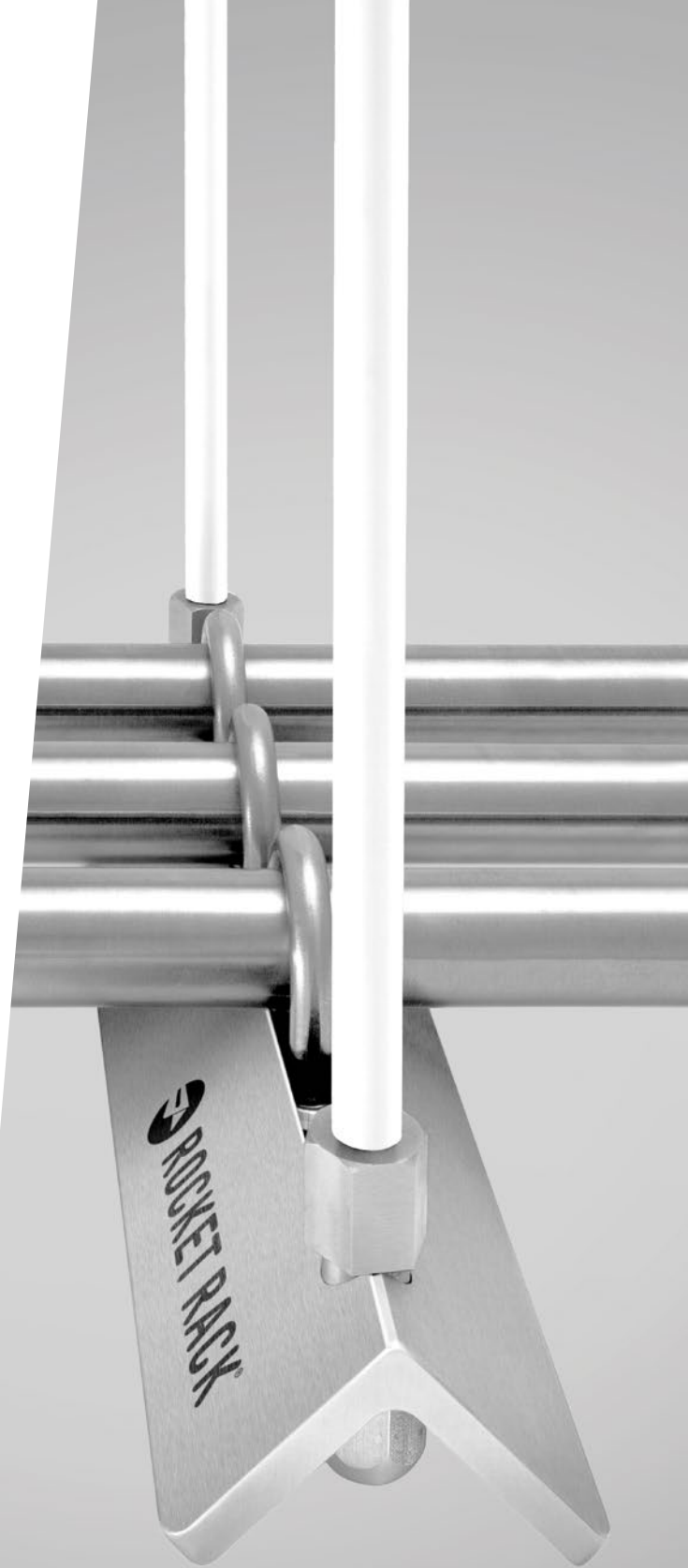
A ROBROY Brand

# Product Catalog

**Faster  
Cleaner  
Safer™**

Pre-Engineered & Factory Fabricated Metal  
Framing & Support Platform for Electrical,  
Mechanical & Process Installations

[rocket-rack.com](http://rocket-rack.com)



### **STATEMENT OF ACCURACY**

The information published in this catalog and other literature has been compiled with great care and is sufficiently accurate for most purposes but is not guaranteed. The product information in this catalog, though current at the catalog printing, is subject to improvements and modifications. All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. This catalog and the products contained within is subject to change without notice. The purchaser should determine the suitability of the product for his or her application and assumes all risk and liability whatsoever in connection therewith.

Robroy products are covered by issued patents and additional patents may be pending.

Robroy Industries values and protects its intellectual property.

For more information please visit: **[Rocket-Rack.com/Patents](http://Rocket-Rack.com/Patents)**

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# Preventing Problems Before They Happen

## FDA & USDA Facility Concerns

Robroy F&B Manufacturing Survey  
on Pre-Design

50%

Will replace in  
2-8 years due to  
Corrosion.



#1

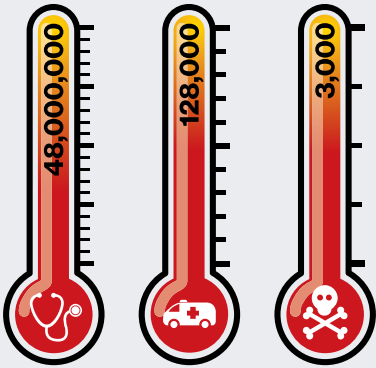
Risk concern  
attributed to  
contamination.

## Food & Beverage Recalls

Yearly count of symptoms and  
consequences in the U.S.

55%

of all food recalls are  
attributed to biological,  
foreign matter, and  
chemical Contamination.  
Every part of a facility  
needs to address these  
issues, including raceway  
& utility support systems.



Illnesses Hospitalizations Deaths

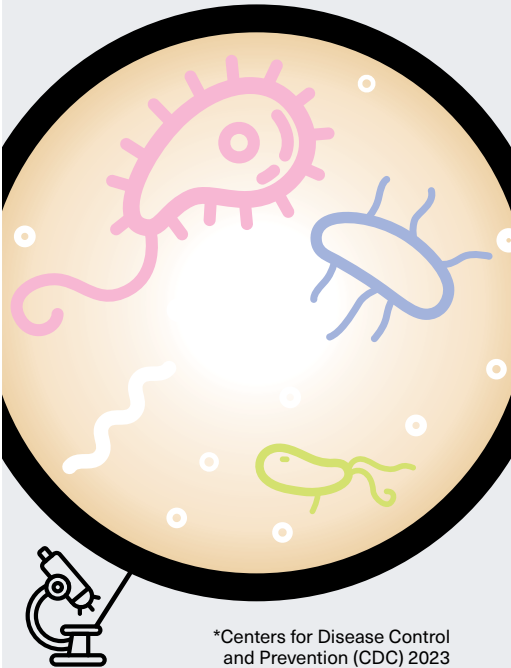
## Food-Related Fatalities

Annual death count from  
food-borne disease in the U.S.

48 million  
get sick

128,000  
are hospitalized

3,000  
deaths



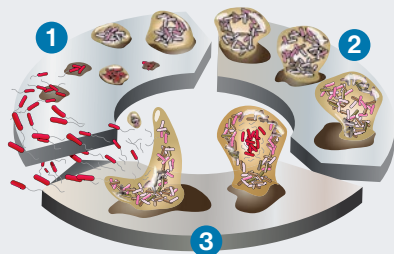
\*Centers for Disease Control  
and Prevention (CDC) 2023





# Cycle of Microbial Growth

Microbial growth thrives on flat, wet, gunky surfaces! Because biofilm adds to corrosion potential, cleanability is essential to prevent contamination and corrosion.



**1 Attachment**



**2 Growth**



**3 Detachment**

# FDA “Environmental Sampling”

It's not enough to sample direct contact surfaces to mitigate risk of contamination of product. Non-food contact surfaces within the hygienic area envelope, including drains, raceways and support structures, should be tested for environmental contamination and designed for cleanability.



# ARC Courses

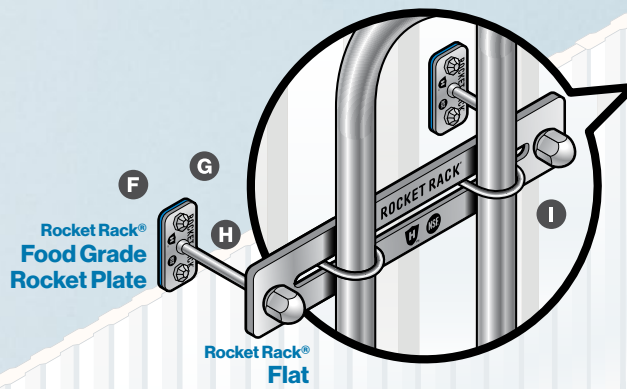
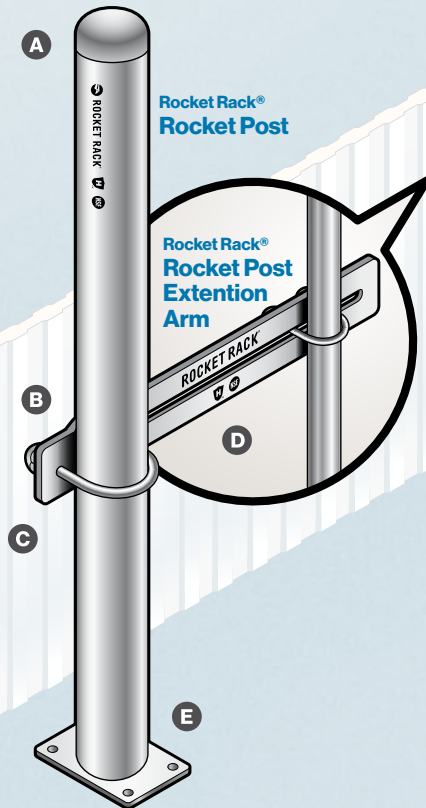
**Accredited  
Regulated  
Certified**

**End-users, Engineers, and Contractors,** are you battling the rising challenge of protecting a facility against costly corrosion or meeting stringent hygienic regulations? Rocket Rack® offers professional training to equip your team. The focused topical training will span from significant stainless product overview to proper installation for integral hygienic performance.



To learn more or schedule your training, contact our education coordinator at [corrosioncollege@robroy.com](mailto:corrosioncollege@robroy.com) or call 903.843.5591.

# Hygiene Reimagined



## Rocket Post™ and Extension Arm

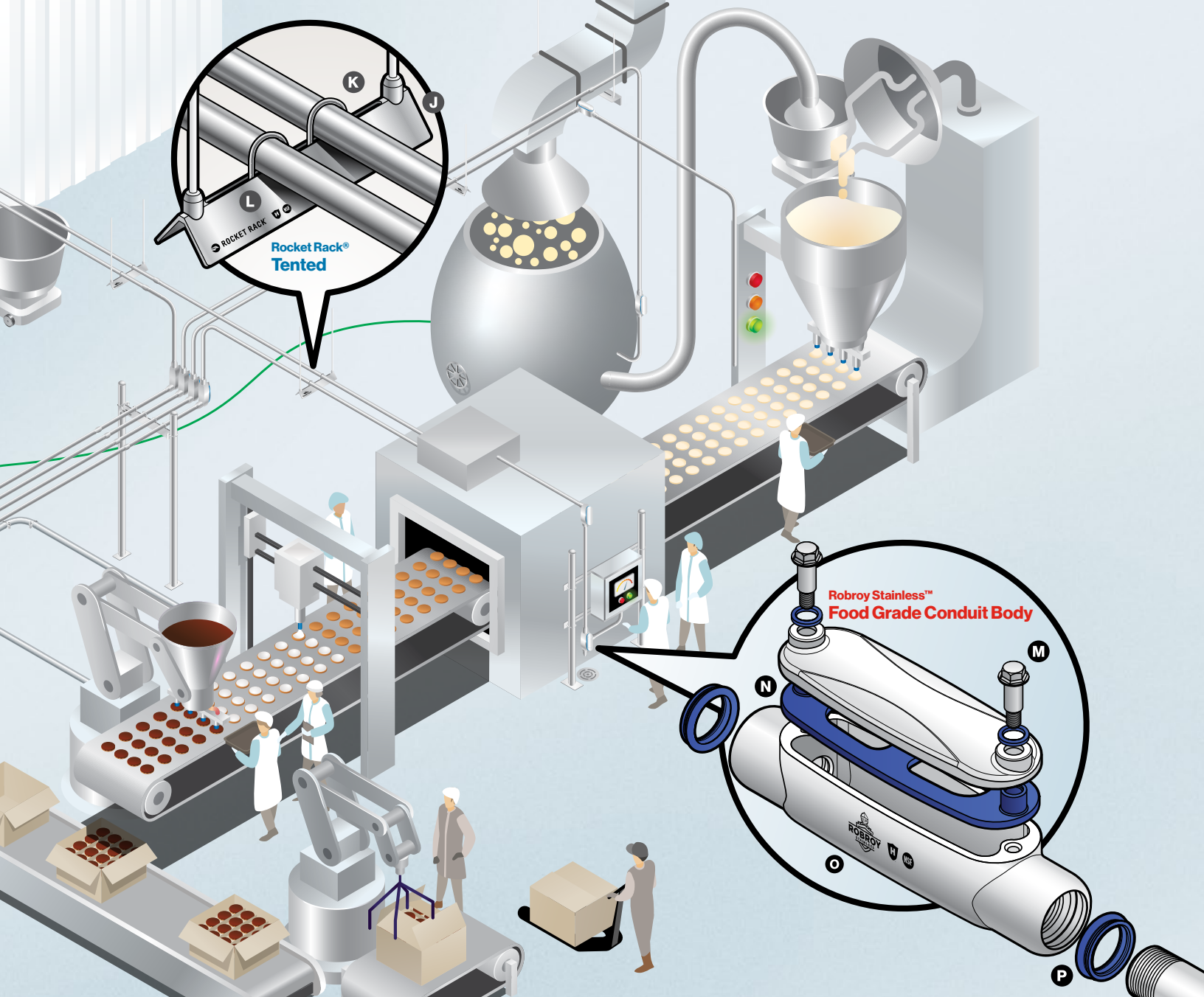
- A** Sealed weld caps on Rocket Posts™ for hermetically sealed system.
- B** Custom U-bolts and beveled cap nuts provide strong, sturdy support while eliminating the risk of exposed threads.
- C** Rounded corners for added worker safety.
- D** Available in vertical or horizontal support configurations, Extension Arms provide additional support surface. Contoured connection point ensures extension arm fits curvature of the post, eliminating the risk of rocking. Custom food grade U-bolt and beveled cap nuts provided with the arm assure proper fit and eliminate the risk of exposed threads.
- E** Sealed weld mounting feet on Rocket Posts for hermetically sealed system.

## Food Grade Rocket Plate

- F** Low profile design for use on IMP or other wall surfaces.
- G** Silicone FDA-compliant gasket protects against dust and water penetration and eliminates the need for time consuming caulking and re-caulking.
- H** Center hole threaded to accept rod, available with 2" or 4" bald rod standoffs for easy cleaning.

## Rocket Rack® Flat

- I** Provides a vertical or horizontal variable surface mount area and frame for plant infrastructure.



## Rocket Rack® Tented™

Trapeze mounting using Rocket Rod™ provides overhead support with a smooth, easy-to-clean FDA-compliant encasement that is snug and tight with no exposed threads.

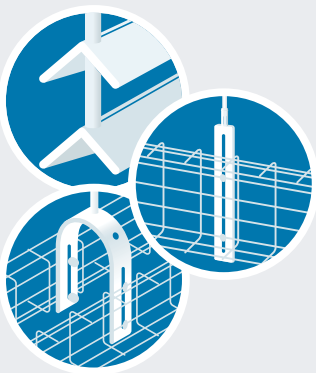


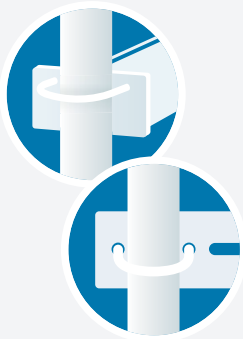


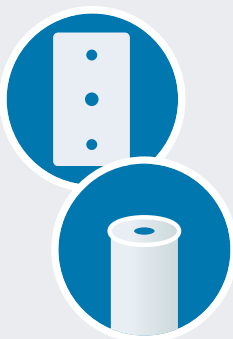


- J** Custom designed tented coupler and beveled cap nut, provided with Tented Rack, leave no gaps between the rack and the mounting rod.
- K** Slot in the heel of Tented Rack provides flexible, adaptable mounting location without the need for field cutting or drilling.
- L** Food grade "tented" shape features sloped sides (45°) for water and dirt shedding and easy cleaning.

## Food Grade Conduit Body










With no flat surfaces or crevices, the patented hygienic designed conduit body and cover maximizes cleanability and minimizes contaminate buildup of installed system. Overall sealed system with a high degree of ingress protection against dust and high pressure/high temperature spray for added safety and sanitation within plant operations.

- M** Specially designed captive screw retention and gasket system eliminates risk of ingress and contamination.
- N** FDA-compliant blue (non-food color) silicone gasket with mechanical stops guarantees optimized compression for environmental ratings.
- O** Oxidative Thermo Process marking permanently marks product with no surface degradation, paper labels or stamped surfaces, maximizing hygienic benefit.
- P** Center aligned threading of conduit and circular gasket ensures environmental and safety rating conformance of installed system.

# Mounting Types

CONFIGURATION BY MOUNT TYPE	WHERE USED	MATERIAL & SIZE (316SS CUSTOM)	MATERIAL & SIZE (316SS CUSTOM)	RATING
<b>Trapeze</b> 	When mounting from overhead from ceiling or beam in single or multi-tier configuration.	<b>304SS or ZINC Plated Steel w/ PVC Encased Rocket Rod</b> (6') 3/8", 1/2" (12') 3/8", 1/2"  <b>Other sizes available:</b> 1/4", 5/8", 3/4"	<b>Tented Rack</b> (w/ 3/8" or 1/2" hardware)  <b>Standard Rack</b> (3/8" or 1/2" hardware separate)  <b>Single &amp; Double Vertical Compact Support Assembly</b> (w/ flange nuts and beveled cap nut when required) 6.5", 10.5" slot	 
<b>Post</b> 	When a configurable platform structure or a custom framework for mounting equipment is required.	<b>304SS</b> hermetically sealed (2" post) w/ cap and foot 48", 60", 72", 78", 84", 96", 108", 120"  <b>Foot Options</b> <ul style="list-style-type: none"> <li>Standard 4 x 6 x 1/4" w/ four 9/16" mounting holes</li> <li>Roof mount 6 x 12 x 1/2" w/ pad (no holes)</li> </ul>	<b>Post Tented Rack</b> (w/2" U-bolt) 12", 18", 24", 30", 36", 48"  <b>Flat Rack &amp; Flat Rack Slot Only</b> (2" U-bolt hardware separate)  <b>Extension Arms &amp; Post Double Mount Brackets</b> (w/2" U-bolt) 6.5", 10.5" slot  *Horizontal & vertical extension arms offered	 
<b>Wall/Surface</b> 	Provides a gasketed mounting stand-off system to surface mount plant infrastructure.	<b>304SS Rocket Plate</b> (just plate, 2" or 4" rod w/ two jam nuts)  <b>Rocket Spacer</b> (5/16" or 7/16" hole) 1", 2", 4"  <b>Flat Rocket Spacer, Tapered Threaded Food Grade Spacer, Tapered Dual Threaded Food Grade Spacer, Industrial Spacer, All Thread Nipples for 2" Threaded Spacers</b>	<b>Flat &amp; Flat Rack Slot Only</b> (3/8" cap nut hardware separate)	 

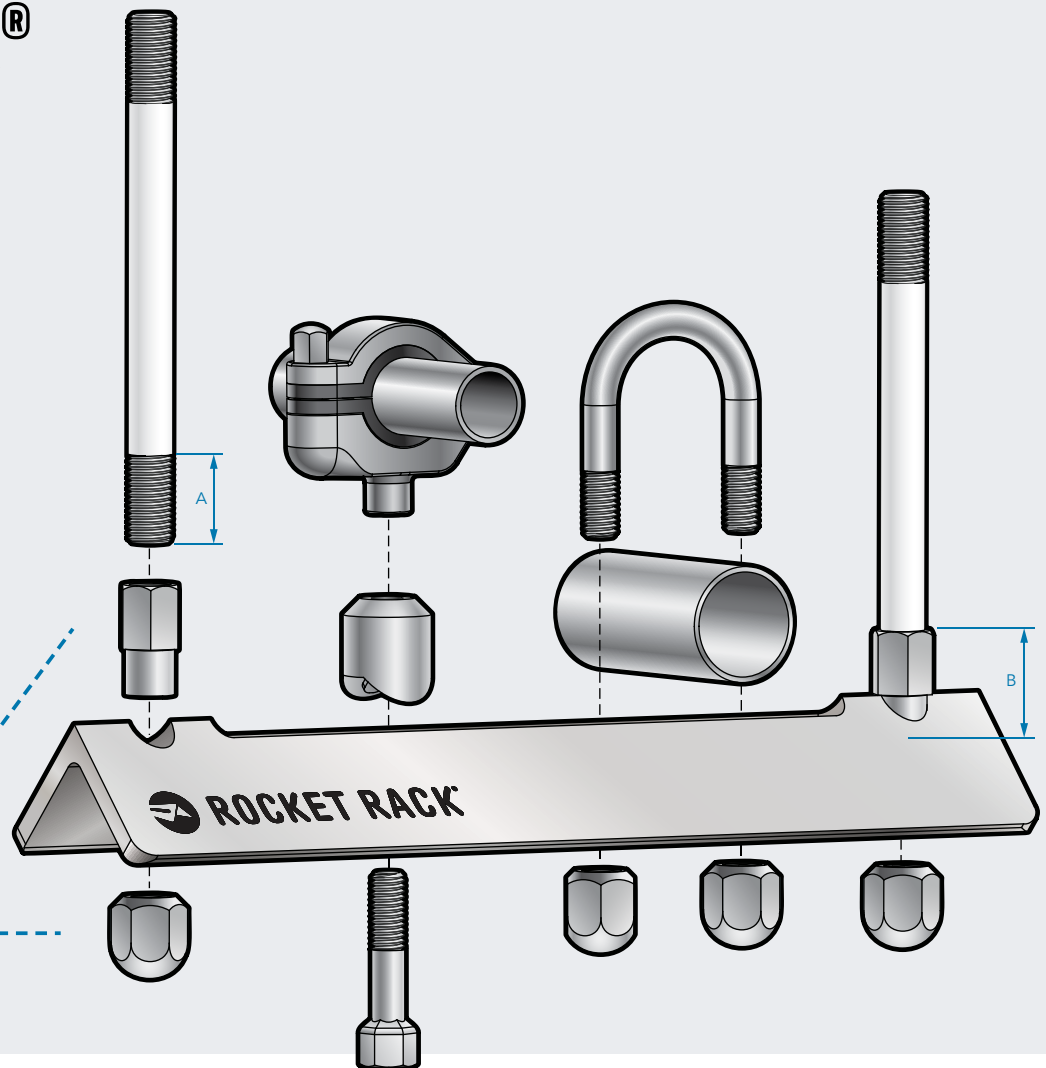
# Rack Types

CONFIGURATION BY RACK TYPE	WHERE USED	MATERIAL & SIZE	RATINGS
<p><b>Tented</b></p> 	<p>Food Zone Areas where horizontal trapeze hygienic install is required, or post mount rack system is desired.</p>	<p><b>304SS, AL</b> (2" or 3" x 1/4") 12", 18", 24", 30", 36", 48"</p>	  
<p><b>Standard</b></p> 	<p>Where horizontal trapeze mounting of heavier load ratings is required and/or flat surface area is required to support infrastructure integrity.</p>	<p><b>304SS, AL</b> (2" or 3" x 1/4") 12", 18", 24", 30", 36", 48"</p>	
<p><b>Flat</b></p> 	<p>Food Zone areas where vertical or horizontal pipe runs along a wall or with Post Mount System.</p> <p>Never hang Flat Rack trapeze style.</p>	<p><b>304SS, AL</b> (2" or 3" x 1/4") 12", 18", 24", 30", 36", 48"</p>	 



# Rocket Rack<sup>®</sup> Tented<sup>™</sup> Assembly Details

Specially-designed stainless mounting hardware supplied with tented angle, one set per mounting hole. (2 Beveled Cap Nuts and 2 Turned Rod Couplers) Please specify rod size –  $\frac{3}{8}$ " or  $\frac{1}{2}$ ".



## Installation of Rocket Rack<sup>®</sup> Tented<sup>™</sup> Support Rack

Knowing the elevation of bottom of conduit or cable tray, cut support rods 1" longer than this elevation. The elevation of conduit or cable tray is shown on the illustration above as call out "B".

Strip off  $1\frac{3}{4}$ " of the FDA-compliant encasement to reveal threads on the rod. (This strip length is shown on the illustration above as call out "A".) Thread the Turned Rod Coupler onto the rod. Install Tented support rack and thread Beveled Cap Nut onto the bottom of the rod and secure wrench tight.

Note: Rod cut length of 1" longer than elevation and rod strip length of  $1\frac{3}{4}$ " is the same whether using  $\frac{3}{8}$ " or  $\frac{1}{2}$ " Rocket Rod<sup>™</sup>.

When installing multi-tiered Tented support racks, the Beveled Cap Nut will be replaced with Rod Coupling Nut Single Bevel and repeat the steps above to install each additional support rack.

These measurements make for a precise fit with no exposed threads and maintain a proper hygienic install.

Rocket Rack<sup>®</sup> Tented<sup>™</sup> is ideally suited for use with rigid conduit—Stainless, aluminum or galvanized steel—anchored with Rocket Rack Stainless U-Bolts. Please note that when using thin-walled tubing or coated conduit we recommend standing off the rack with Rocket Standoff and a sanitary clamp (each sold separately—See Rocket Rack Stainless Hardware). Rocket Rack Tented supplied with specially-designed mounting hardware. All other items sold separately.



# About NSF Certification

**Founded in 1944, NSF International is an independent, accredited organization that tests, audits and certifies products and systems.**

Recognized by regulatory agencies at the local, state, federal and international level, NSF certification demonstrates that a product complies with all standard requirements. NSF conducts periodic facility audits and product testing to verify that the product continues to comply with the standard.

The NSF mark is your assurance that the product has been tested by one of the most respected independent certification organizations in existence today. It is valued by consumers, manufacturers, retailers and regulatory agencies worldwide.

**The mark provides:**

- Knowledge that an impartial review against established criteria or guidelines has been conducted.
- Evidence that product labeling and claims have been objectively reviewed by a trusted third party.
- Backing by a team of professionals dedicated to public health and safety operating in more than 170 countries around the world.

Robroy Industries Rocket Rack Products have been tested and certified under the Food Safety and Quality Product/System Category to standard NSF/ANSI/3-A 14159-1.

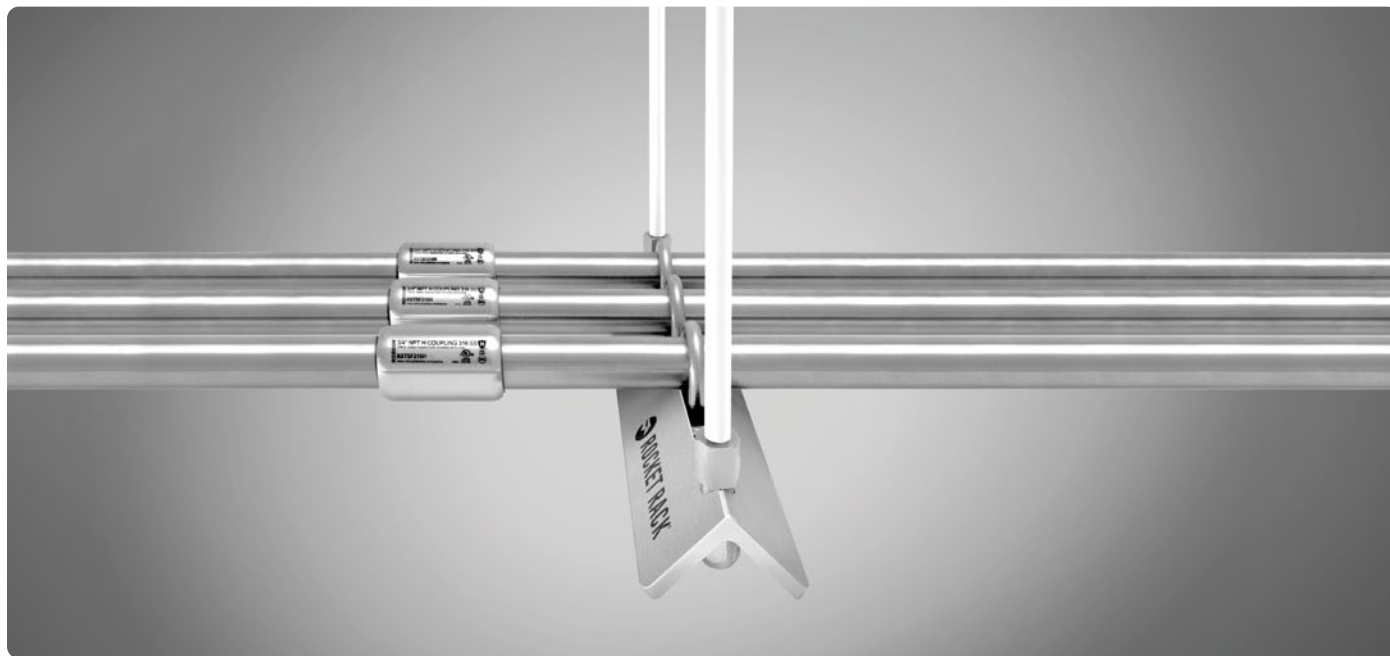


# About Hygienic Products

The Robroy® Hygienic symbol identifies products intended for use in the installation of electrical raceways for sanitary applications.

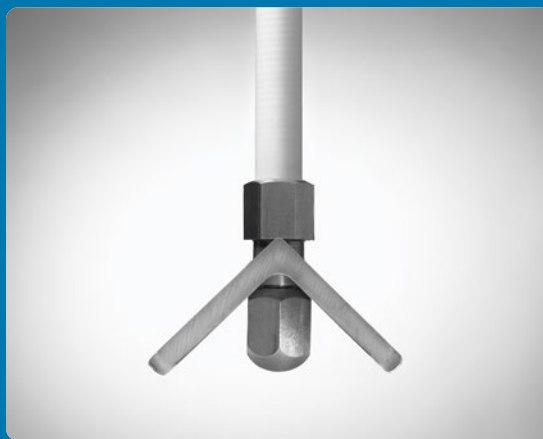
# Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S



Rocket Rack® Tented™ is fabricated with the slot and mounting holes cut on the heel of the angle and hung trapeze style from ceiling of structure using Rocket Rod™. Rocket Rack Tented is used to support process pipe and electrical conduit or cable tray. Hygienic design features sloped sides (45°) to eliminate a horizontal ledge where dirt and bacteria can accumulate. Patented slot design allows for additional lines to be installed in the future and assures a perfectly straight run, creating a clean installation, even suitable for high-end residential or commercial buildings. Pipe and conduit are secured with U-Bolts or Rocket Standoffs and approved sanitary clamps. Made from 2x2x¼ Angle, Rocket Rack Tented is pre-engineered to withstand heavy loads. Radius corners for added safety. Designed with two holes for all sizes.

Length (in inches) refers to overall length of the rack, NOT to the length of the slot. We can fabricate racks almost any length and width. Just let us know the center to center distance between mounting holes. Call for pricing and lead time on lengths not listed here or racks made from 316 Stainless.

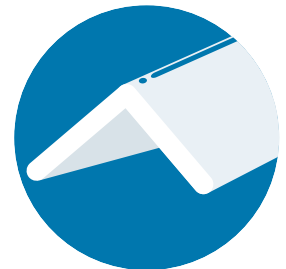


**Rocket Rack® Tented™ is supplied with specially-designed stainless mounting hardware (2 Beveled Cap Nuts and 2 Turned Rod Couplers) in size 3/8" or 1/2" – leaving no gaps or spaces between the rack and mounting rod.**





ROCKET RACK® TENTED™				NSF H
PART NUMBER		DESCRIPTION		
304 Stainless		6061-T6 Aluminum		
3/8" HDW	1/2" HDW	3/8" HDW	1/2" HDW	
RRTNT304123/8	RRTNT304121/2	RRTNTALU123/8	RRTNTALU121/2	12" Rocket Rack® Tented™   2x2x1/4
RRTNT304183/8	RRTNT304181/2	RRTNTALU183/8	RRTNTALU181/2	18" Rocket Rack® Tented™   2x2x1/4
RRTNT304243/8	RRTNT304241/2	RRTNTALU243/8	RRTNTALU241/2	24" Rocket Rack® Tented™   2x2x1/4
RRTNT304303/8	RRTNT304301/2	RRTNTALU303/8	RRTNTALU301/2	30" Rocket Rack® Tented™   2x2x1/4
RRTNT304363/8	RRTNT304361/2	RRTNTALU363/8	RRTNTALU361/2	36" Rocket Rack® Tented™   2x2x1/4
RRTNT304483/8	RRTNT304481/2	RRTNTALU483/8	RRTNTALU481/2	48" Rocket Rack® Tented™   2x2x1/4



**ROCKET RACK®**  
**TENTED™**

SUPPORT HARDWARE		NSF H
PART NUMBER	DESCRIPTION	
RRHDWSTNTCP3/8	Turned Rod Coupler 304 3/8-16 for Tented Rack	
RRHDWSTNTCP1/2	Turned Rod Coupler 304 1/2-13 for Tented Rack	
RRHDWSBCN38	Beveled Cap Nut with 3/8"	
RRHDWSBCN12	Beveled Cap Nut with 1/2"	
RRHDWSRODCUP3/8	Rod Coupling Nut Single Bevel 304 3/8" - 16 x 1 - 1/8" long 11/16" Hex	
RRHDWSRODCUP1/2	Rod Coupling Nut Single Bevel 304 1/2" - 16 x 1 - 3/4" long 11/16" Hex	



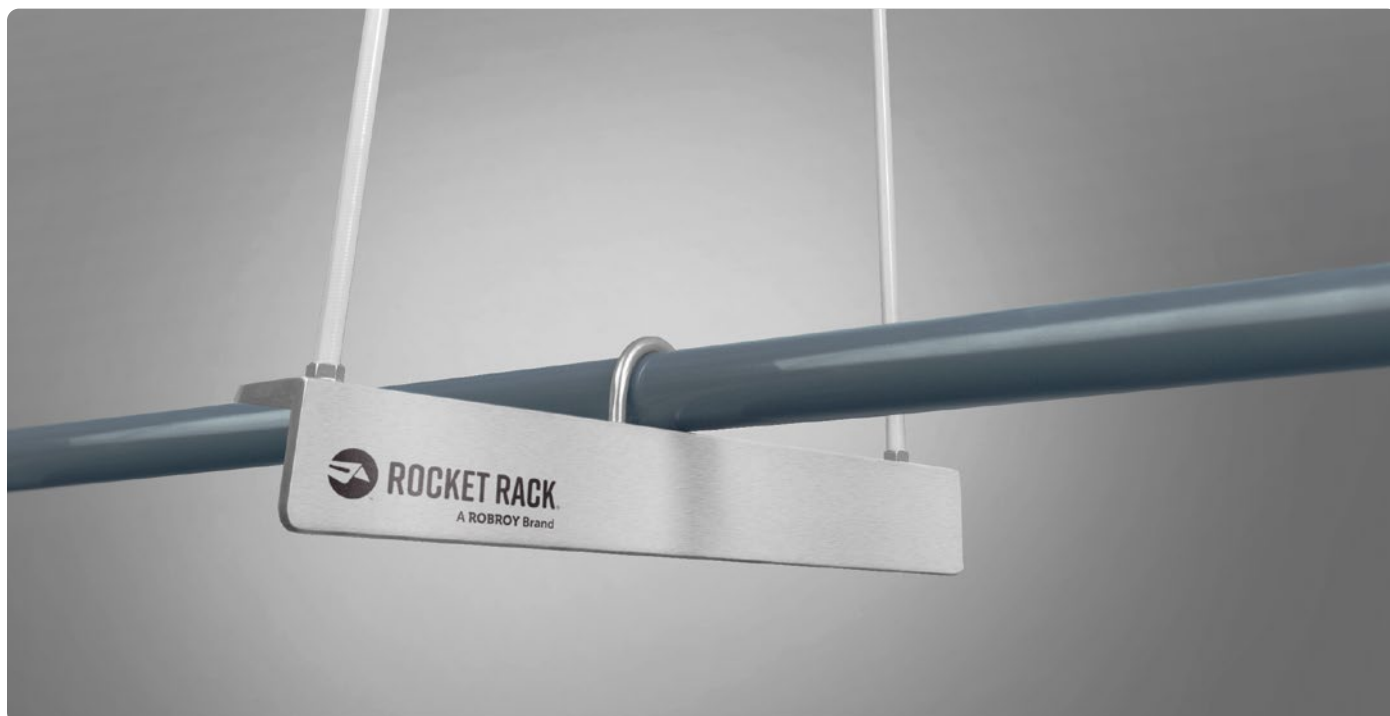
\*Use these part numbers to order any extra support hardware.

\*\*A full list of hardware is available on pg. 21.

\*\*\*3/8" or 1/2" tented couplings and beveled cap nuts are provided with tented rack. Catalog numbers shown are for ordering extra hardware.

# Rocket Rack® Standard

U.S. PATENT #'S D608,183 S & D599,194 S



Rocket Rack® Standard is fabricated with the slot and mounting holes cut into the leg of the angle and hung trapeze style from ceiling of structure using Rocket Rod™. Patented slot design allows for additional lines to be installed in the future and assures a perfectly straight run, creating an aesthetically pleasing installation, even suitable for high-end residential or commercial buildings. Pipe and conduit are secured with Rocket Rack U-Bolts or Rocket Standoffs and approved sanitary clamps. Made from 2x2x¼ Angle, Rocket Rack Standard is engineered to withstand the heaviest of loads. Radius corners for added safety. Designed with two holes if there is one slot, three holes if there are two or more slots.

Length (in inches) refers to overall length of the rack, NOT to the length of the slot. We can fabricate racks almost any length and width. Just let us know the center to center distance between mounting holes. Call for pricing and lead time on lengths not listed here or racks made from 316 Stainless.



**Rocket Rack® Standard can be installed using a Serrated Flange Nut, a Beveled Cap Nut and Rocket Rod™, ALL SOLD SEPARATELY.**



ROCKET RACK® STANDARD		
PART NUMBER		DESCRIPTION
304 Stainless	6061-T6 Aluminum	
RRSTD30412	RRSTDALU12	12" Rocket Rack Standard   2x2x1/4
RRSTD30418	RRSTDALU18	18" Rocket Rack Standard   2x2x1/4
RRSTD30424	RRSTDALU24	24" Rocket Rack Standard   2x2x1/4
RRSTD30430	RRSTDALU30	30" Rocket Rack Standard   2x2x1/4
RRSTD30436	RRSTDALU36	36" Rocket Rack Standard   2x2x1/4
RRSTD30448	RRSTDALU48	48" Rocket Rack Standard   2x2x1/4



**ROCKET RACK®  
STANDARD**

SUPPORT HARDWARE		NSF H
PART NUMBER	DESCRIPTION	
RRHDWSSERFLN3/8	Flange Nut with 3/8"	
RRHDWSSERFLN1/2	Flange Nut with 1/2"	
RRHDWSBCN38	Beveled Cap Nut with 3/8"	
RRHDWSBCN12	Beveled Cap Nut with 1/2"	
RRHDWSRODCUP3/8NB	Rod Coupling Nut 3/8" - 16	
RRHDWSRODCUP1/2NB	Rod Coupling Nut 1/2" - 13	



\*Support hardware must be ordered separately.

\*\*A full list of hardware is available on pg. 21.

# Rocket Rack® Flat

U.S. PATENT #D649,863 S



Flat Rack



Slot Only Flat Rack

Rocket Rack® Flat is used for vertical or horizontal pipe runs along the wall. It is mounted off the wall several inches using Rocket Rod™ for easy access during cleaning. Rocket Rack Flat can also be used with the Rocket Rack® Post Mount System. Patented slot design allows for additional lines to be added at a future time and assures a perfectly straight run, creating a beautiful installation, suitable even for high-end residential or commercial buildings. Pipe and conduit are secured with Rocket Rack U-Bolts or Rocket Standoffs and approved sanitary clamps. Made from 2x¼ Flat Stock with radius corners for added safety. Designed with two holes if there is one slot, three holes if there are two or more slots. **Rocket Rack Flat is for wall and post mount installations only. Never hang flat stock trapeze style.**

Length (in inches) refers to overall length of the rack, not to the length of the slot. We can fabricate racks almost any length and width. Let us know the center-to-center distance between mounting holes. Call for pricing and lead time on lengths not listed here or racks made from 316 Stainless.

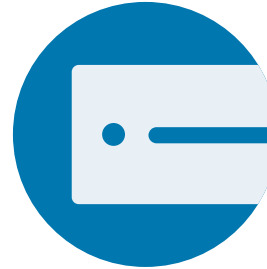


**Rocket Rack® Flat can be installed using a Serrated Flange Nut, a Beveled Cap Nut and Rocket Rod™, ALL SOLD SEPARATELY.**

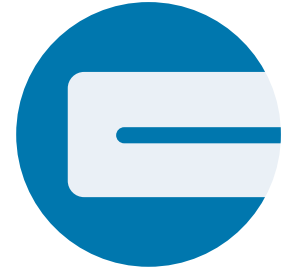
## Flat Rack

Flat Rack with mounting holes is used when the specific mounting location is defined.

FLAT RACK <small>NSF H</small>		
PART NUMBER		DESCRIPTION
304 Stainless	6061-T6 Aluminum	
RRFR0412	RRFRALU12	12" Rocket Rack Flat   2x1/4
RRFR0418	RRFRALU18	18" Rocket Rack Flat   2x1/4
RRFR0424	RRFRALU24	24" Rocket Rack Flat   2x1/4
RRFR0430	RRFRALU30	30" Rocket Rack Flat   2x1/4
RRFR0436	RRFRALU36	36" Rocket Rack Flat   2x1/4
RRFR0448	RRFRALU48	48" Rocket Rack Flat   2x1/4



FLAT RACK



SLOT ONLY FLAT RACK

## Slot Only Flat Rack

Slot Only Flat Rack is ideal when the actual installation connection location is undefined. The slot gives flexibility in location for securing the rack. Slot Only Flat Rack is commonly used when mounting off of corrugated Insulated Metal Panel (IMP) walls.

SLOT ONLY FLAT RACK <small>NSF H</small>		
PART NUMBER		DESCRIPTION
304 Stainless	6061-T6 Aluminum	
RRFR0408SLTO	RRFRALU08SLTO	8" Rocket Rack Flat Slot Only
RRFR0412SLTO	RRFRALU12SLTO	12" Rocket Rack Flat Slot Only
RRFR0418SLTO	RRFRALU18SLTO	18" Rocket Rack Flat Slot Only
RRFR0424SLTO	RRFRALU24SLTO	24" Rocket Rack Flat Slot Only
RRFR0430SLTO	RRFRALU30SLTO	30" Rocket Rack Flat Slot Only
RRFR0436SLTO	RRFRALU36SLTO	36" Rocket Rack Flat Slot Only
RRFR0448SLTO	RRFRALU48SLTO	48" Rocket Rack Flat Slot Only

\*Support hardware must be ordered separately.

\*\*A full list of hardware is available on pg. 21.





# Vertical Compact Assemblies



Rocket Rack® Vertical Compact Support Assemblies are designed to simplify and improve the installation/support of conduit or basket tray installed overhead, especially in areas where space is constrained or a concern. Vertical compact support assemblies are available in single and double configurations and with 6½" or 10½" slots to align with customer needs. Both are produced from ¼" thick strong, corrosion resistant 304 stainless steel and are supported by Rocket Rod™ (ordered separately).

The single support assembly is comprised of Rocket Rack Flat Rack with an integrally welded ½" threaded rod coupling and ½" flange nut (included) which is used to secure the Rocket Rod or bald rod, ordered separately. The single support assembly allows attachment and securing of Robroy Stainless rigid conduit or wire mesh basket tray on either side of the single support flat rack.

The double assembly is made from a Rocket Rack Flat Rack formed to create two parallel mounting surfaces designed to provide the ability to mount conduit or basket tray on either one or both support legs of the flat rack. The distance between the parallel legs of the assembly is specifically designed to allow easy hand or tool access. A flange nut and beveled cap nut (included) are used to secure the ½" Rocket Rod or bald rod, ordered separately. There are two additional holes in the double assembly in which additional Rocket Rod support can be attached if desired due to vibration or design requirements. Attachment of the conduit or basket tray can be made on either side of the assembly using readily-available Rocket Rack hardware (U-Bolts supplied with beveled cap nuts for conduit and cable tray clamps for wire mesh basket tray). Both the single and double support assemblies are designed to accommodate ½" Rocket Rod for maximum support and are NSF certified to NSF 14159-1 for evidence of review and on-going compliance with hygienic principles.



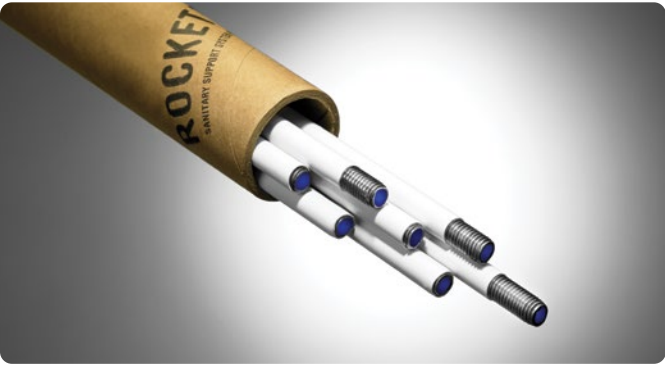
**Vertical Compact Support Assembly Single**



**Vertical Compact Support Assembly Double**

VERTICAL COMPACT ASSEMBLIES		NSF
PART NUMBER	DESCRIPTION	
RRVCSAS0650	Rocket Rack Vertical Compact Support Assembly Single 304 - 6.5" slot	
RRVCSAS1050	Rocket Rack Vertical Compact Support Assembly Single 304 - 10.5" slot	
RRVCSAD0650	Rocket Rack Vertical Compact Support Assembly Double 304 - 6.5" slot	
RRVCSAD1050	Rocket Rack Vertical Compact Support Assembly Double 304 - 10.5" slot	

# Rocket Rod™

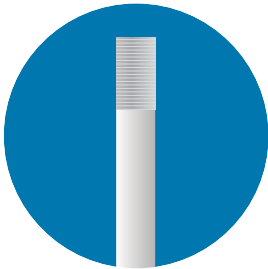


## Rocket Rod™

Rocket Rod™ – 304S or Zinc-plated steel all-thread rod with FDA-compliant PVC encasement – is available in 1/4" – 3/4" diameters and 6' and 12' lengths. A proprietary manufacturing process ensures the encasement is tight and snug, making it clean and smooth with no exposed threads – perfect for food and beverage-grade installations. The installer simply cuts

the rod to length, strips away the amount of FDA-compliant encasement using the Robroy Stainless Rod Stripping Tool to reveal precisely the threads needed, then mounts the rack. No on-site threading of rod saves time and substantially reduces the danger of product contamination, while increasing on-the-job safety. The wide operating temperature range (-55 degrees to +121 degrees C) makes it suitable for the most demanding operating environments.

ROCKET ROD™			NSF	H
PART NUMBER		DESCRIPTION		
304 Stainless	Zinc-Plated Steel			
RRPVC304061/4	RRPVCZNC061/4	Rocket Rod   1/4"- 20x6' PVC Encasement ATR		
RRPVC304063/8	RRPVCZNC063/8	Rocket Rod   3/8"- 16x6' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304061/2	RRPVCZNC061/2	Rocket Rod   1/2"- 13x6' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304065/8	RRPVCZNC065/8	Rocket Rod   5/8"- 11x6' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304063/4	RRPVCZNC063/4	Rocket Rod   3/4"- 10x6' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304123/8	RRPVCZNC123/8	Rocket Rod   3/8"- 16x12' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304121/2	RRPVCZNC121/2	Rocket Rod   1/2"- 13x12' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304125/8	RRPVCZNC125/8	Rocket Rod   5/8"- 11x12' PVC Encasement ATR   FDA-Comp. PVC		
RRPVC304123/4	RRPVCZNC123/4	Rocket Rod   3/4"- 10x12' PVC Encasement ATR   FDA-Comp. PVC		



ROCKET ROD™ BY  
ROCKET RACK®





## Rod Stripping Tool

Robroy Stainless Rod Stripping Tool is used to safely and efficiently strip the coating from Rocket Rod or PVC-coated all thread rod exposing the desired length of exposed rod required for installation.

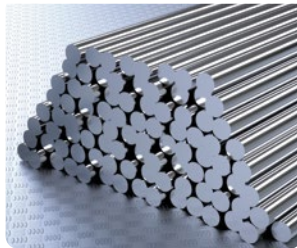
- Aluminum rounded body is light-weight and ergonomically designed with knurled surface for easy gripping
- Hardened steel stripping blades for clean cuts and long, dependable service
- Hand tightened locking screw for stripping to expose threads in 4 pre-configured lengths per rod diameter.

### ROD STRIPPING TOOL

PART NUMBER	DESCRIPTION
RSRST12	Rod Stripping Tool for Use with 1/2"
RSRST38	Rod Stripping Tool for Use with 3/8"

## Bald/Slick Rod

Bald/Slick stainless steel rods are available in lengths of 6 or 12 feet for various applications as complementary part of the sanitary support system. Field threading is required.



### BALD/GLICK ROD

PART NUMBER	DESCRIPTION
RRBRD304123/8	304S Bald/Slick Rod, 3/8"D x 12'L
RRBRD304121/2	304S Bald/Slick Rod, 1/2"D x 12'L



## Stainless Steel Beam Clamps

Robroy Stainless Beam Clamps are made from 316 stainless steel and are designed for use on I-beams, channel, and other structural members and are used for hanging conduit or cables. Attachment holes are located on the back and bottom.

- Third party certified to UL2239 for safety compliance using either the bottom or back hole and with various beam edge thicknesses
- Load ratings include a safety factor of 3

### STAINLESS STEEL BEAM CLAMPS

PART NUMBER	DESCRIPTION
RSBC116	Beam Clamp for 1/4" - 20 - 316
RSBC216	Beam Clamp for 3/8" - 16 - 316
RSBC316	Beam Clamp for 1/2" - 13 - 316

CLAMP BOLT	CLAMP BOLT TORQUE		RATED LOAD		
	IBF - IN	IBF - FT	BOTTOM OPENING	BACK OPENING	MTG. PLT. THICKNESS
5 - 16 - 18 UNC	74	6	300	100	1/4" to 3/4"
1/2 - 13 UNC	315	26	800	125	1/4" to 3/4"
5/8 - 11 UNC	585	49	1200	300	1/4" to 3/4"

# Rocket Rack® Stainless U-Bolts & Hardware



Rocket Rack® U-Bolts and Beveled Cap Nuts are custom designed and manufactured from 316 stainless for use in installations where corrosion resistance and hygiene are important. The custom design minimizes the risk of exposed threads where dust, dirt, bacteria and other contaminants could otherwise accumulate and grow. U-Bolts are available in ½" – 4" trade sizes, are NSF certified to NSF/ANSI-3-A-14159-1 and are supplied with two beveled cap nuts with nylon thread locker to provide positive resistance to vibration and loosening.

ROCKET RACK® STAINLESS U-BOLTS & HARDWARE		NSF	H
PART NUMBER	DESCRIPTION		
RRHDSUBSCPNT1/2	1/2" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT3/4	3/4" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT1	1" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT1-1/4	1-1/4" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT1-1/2	1-1/2" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT2	2" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT2-1/2	2-1/2" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT3	3" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		
RRHDSUBSCPNT4	4" Rocket U-Bolt Food Grade with Beveled Cap Nuts 3/8 - 16 - 316		



ROCKET RACK®  
STAINLESS U-BOLT



### Food Grade Beveled Cap Nut

Used to secure threaded rod or food grade Rocket U-Bolts. Uniquely beveled cap nut shape complies with hygienic design principles and chamfered corners for clean installation. Nylon thread locker on threads provides mechanical interference to avoid loosening even in high vibration areas. Tightening of beveled nut is done using a standard socket.

FOOD GRADE BEVELED CAP NUT	
PART NUMBER	DESCRIPTION
RRHDWSBCN38	Food Grade Beveled Cap Nut with Nylon Thread Locker 3/8" - 16 - 316
RRHDWSBCN12	Food Grade Beveled Cap Nut with Nylon Thread Locker 1/2" - 13 - 316



### Rod Coupling Nut Single Bevel

The Rod Coupling Nut Single Bevel is used when hanging multiple tiers of tented racks. The beveled shape minimizes risk of contaminate trapping and complies with hygienic principles.

ROD COUPLING NUT SINGLE BEVEL	
PART NUMBER	DESCRIPTION
RRHDWSRODCUP3/8	Rod Coupling Nut Single Bevel 304 3/8" - 16 x 1-1/8" long 11/16" Hex
RRHDWSRODCUP1/2	Rod Coupling Nut Single Bevel 304 1/2" - 16 x 1-3/4" long 11/16" Hex



### Serrated Flange Nut

For use as a jam nut with food grade Rocket Plates, in conjunction with Rod Couplers for use with Multi-tier trapeze mount installations, or for use with Rocket Rack Standard on top of rack to secure Rocket Rod™ threaded rod.

SERRATED FLANGE NUT	
PART NUMBER	DESCRIPTION
RRHDWSSERFLN3/8	3/8" - 16 Serrated Flange Nut
RRHDWSSERFLN1/2	1/2" - 13 Serrated Flange Nut



### Rod Coupling Nut

The Rod Coupling Nut is used when hanging multiple tiers of standard racks or when joining two pieces of Rocket Rod.

ROD COUPLING NUT	
PART NUMBER	DESCRIPTION
RRHDWSRODCUP3/8NB	Rod Coupling Nut 304 3/8" - 16
RRHDWSRODCUP1/2NB	Rod Coupling Nut 304 1/2" - 13

# Rocket Post™ System



Rocket Post™



Post-Tented™ Racks

## Rocket Post™

Rocket Post™ can be used to run conduit, basket or ladder tray and process pipe vertically or horizontally using our Rocket Rack® Flat or Post-Tented Racks. Rocket Post, made from 2" Sch. 40 304SS pipe, are sold individually. Rocket Post have a weld-sealed cap and mounting plate, (2" Sch 40 304SS Butt Welded Cap and 4x6x¼ 304SS Mounting Plate with four ⅝" Mounting Holes).

ROCKET POST™	
PART NUMBER	DESCRIPTION
RRPOSTM30448	48" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM30460	60" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM30472	72" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM30478	78" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM30484	84" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM30496	96" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM304108	108" Rocket Post, 2" Sch. 40 Pipe
RRPOSTM304120	120" Rocket Post, 2" Sch. 40 Pipe

## Post-Tented™ Racks

Post-Tented™ Racks are fabricated with the slot in the peak of the angle, but with no mounting holes. These racks are welded to a 2x4x⅝ plate with holes perfectly spaced for use with a 2" Rocket Rack U-Bolt (2 included) and milled with a radius that fits the curvature of the post.

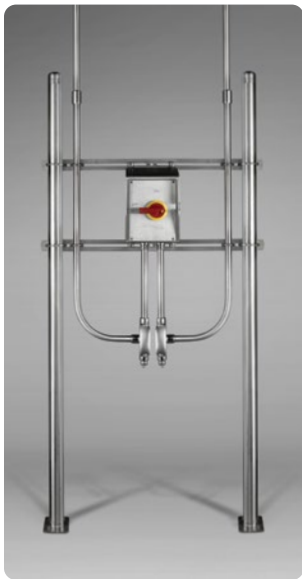
POST-TENTED™ RACK	
PART NUMBER	DESCRIPTION
RRTNT304MOD12	12" Post-Tented Rack for Rocket Post, 2x2x1/4
RRTNT304MOD18	18" Post-Tented Rack for Rocket Post, 2x2x1/4
RRTNT304MOD24	24" Post-Tented Rack for Rocket Post, 2x2x1/4
RRTNT304MOD30	30" Post-Tented Rack for Rocket Post, 2x2x1/4
RRTNT304MOD36	36" Post-Tented Rack for Rocket Post, 2x2x1/4
RRTNT304MOD48	48" Post-Tented Rack for Rocket Post, 2x2x1/4



Rocket Rack Flat affixed to two Rocket Posts using Rocket Rack U-Bolts creating a vertical mounting system. This system is a quick and versatile way to attach disconnects, operator interface panels or mechanical devices, such as water-flow meters and valves. This same system can be used to run conduit or cable tray vertically.



Post-Tented Rack affixed to two Rocket Posts using Rocket Rack U-Bolts. This system is used in instances requiring horizontal pipe runs along equipment where other mounting means are unavailable or unfeasible. It provides a quick and sanitary installation that allows for fine adjustments. The installer can add pipe runs without drilling or welding in the field.



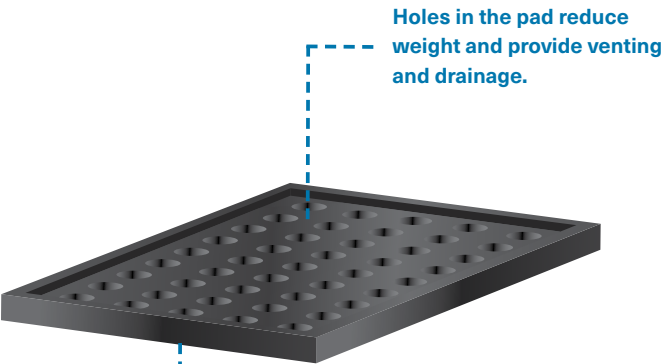
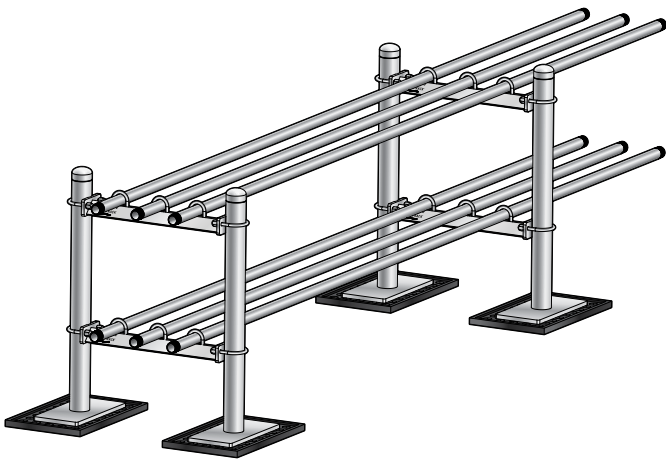
Two Rocket Posts that are spanned by Rocket Rack Flat. In this example the system is supporting a disconnect, and the conduit runs vertically.



Four Rocket Posts, each pair spanned by Post-Tented Racks supporting conduit and cable tray horizontally independent of an attachment point, such as a wall.

**Rocket Post™, Rocket Rack® Flat, Post-Tented™ Racks and U-Bolts all sold separately.  
Call for pricing and lead times for Rocket Post System.**

# Rocket Post™ System



## Rocket Rack® Roof Top Posts™

Roof Top Rocket Posts™ are also made from 2" Sch. 40 304SS pipe, are sold individually and use Post Tented Rack (sold separately). Roof Top Posts have a 304SS Butt Welded 6"x12"x½" mounting plate to provide a large, stable base. Roof Top Posts are supplied with rubber pad for installation to help protect roof surfaces.

ROCKET RACK® ROOF TOP POSTS™		NSF H
PART NUMBER	DESCRIPTION	
RRPOSTM30436-SPCBP	One Roof Top Post Mount 2" Schedule 40 Pipe with 6"x12" Base 304 36" High	
RRPOSTM30448-SPCBP	One Roof Top Post Mount 2" Schedule 40 Pipe with 6"x12" Base 304 48" High	
RRPOSTM30460-SPCBP	One Roof Top Post Mount 2" Schedule 40 Pipe with 6"x12" Base 304 60" High	



Rocket Posts are useful when no other means of fastening conduit or process pipe is available. This system allows the installer to bring conduit, basket tray or process piping down next to equipment, process lines or conveyors. It provides a secure and sanitary way to feed devices and equipment and gives a very clean and sleek-looking installation that is completely adjustable. Rocket Post System can be tailored to suit your needs, as posts and racks are customizable in height and length.

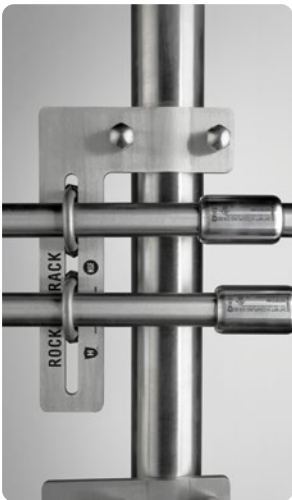
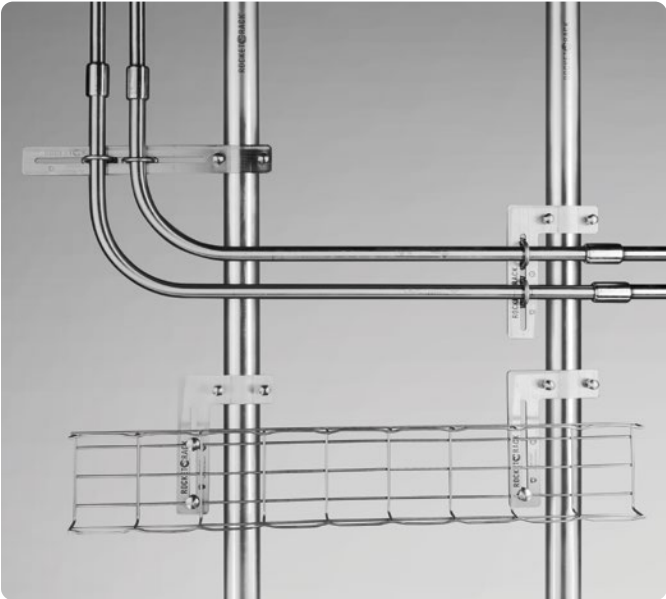
**Rocket Posts™ With Post-Tented Cantilever**

Similar to Post-Tented™ Racks – no mounting holes, slots only – but only one end is fitted with a welded plate. Here a Post-Tented Cantilever Rack is mounted to a Rocket Post by means of a Rocket Rack U-Bolt. The 2" U-bolt and beveled cap nuts are included with the rack as standard.

ROCKET POSTS™ WITH POST-TENTED CANTILEVER	
PART NUMBER	DESCRIPTION
RRTNTCT30412	Cantilever Tented Rack 304 12" Long
RRTNTCT30418	Cantilever Tented Rack 304 18" Long
RRTNTCT30424	Cantilever Tented Rack 304 24" Long
RRTNTCT30430	Cantilever Tented Rack 304 30" Long



# Rocket Post™ System



## Rocket Post™ Extension Arms

Rocket Post™ Extension Arms are designed for use with Rocket Posts. Rocket Posts are floor mounted assemblies that provide support where attachment to a support structure (wall or ceiling) is not available or not desired. The contoured connection point of the extension arm ensures it fits the curvature of the post, eliminating the risk of rocking. Typical locations are in or near work and processing areas and conveyors. Extension Arms are available in configurations to support vertically or horizontally and include 1 U-Bolt. Typical uses are to support Robroy stainless steel or PVC-coated rigid conduit, cable/basket tray or other equipment, such as electrical disconnects, HMI panels, process piping or wash stations.

ROCKET POST™ EXTENSION ARMS	
PART NUMBER	DESCRIPTION
RRPEXAM04H1050	Rocket Post Extension Arm - Horizontal 10.5" Slot
RRPEXAM04H0650	Rocket Post Extension Arm - Horizontal 6.5" Slot
RRPEXAM04V1050	Rocket Post Extension Arm - Vertical 10.5" Slot
RRPEXAM04V0650	Rocket Post Extension Arm - Vertical 6.5" Slot





### Rocket Rack® Post Double Mount Bracket

Rocket Rack® Double Mount Brackets are designed for use with Rocket Posts for the installation/support of conduit, basket tray or electrical equipment on both sides of a single post. The Double Mount Bracket is available in 2 lengths (with 6½" slot or 10½" slot) to align with installation requirements. The ¼" thick strong, corrosion resistant stainless steel bracket simplifies installation, saving installation time and space. Rocket Posts are floor mounted assemblies that

provide support for electrical and mechanical raceways and products. Typical locations where Rocket Posts are used are in or near work and processing areas, along conveyors and other locations in the facility where attachment to a support structure (wall or ceiling) is not available. Common uses include the support of Robroy stainless steel or PVC-coated conduit, process piping, basket tray or equipment such as disconnects, HMI panels or wash stations. Double Mount Brackets are NSF certified and sold as separate catalog items.

ROCKET RACK® POST DOUBLE MOUNT BRACKET	
PART NUMBER	DESCRIPTION
RRPDMB040650	Rocket Post Double Mount Bracket 304 - 6.5" slot
RRPDMB041050	Rocket Post Double Mount Bracket 304 - 10.5" slot



# Food Grade Rocket Plate and Assemblies

FOR INSULATED METAL PANEL WALLS (IMP) AND OTHER WALL MOUNTING APPLICATIONS



IMP Walls provide a sanitary finish that can be easily washed down and withstand harsh chemical cleaning. Many food manufacturers are using IMP walls in the construction of their facilities. The inset above shows an IMP wall cutaway and how the Rocket Plate is anchored using a Fab-Lok® Fastener, which provides a secure fit and high resistance to vibration loosening. Rocket Plate is a stainless steel plate, 4"x1½"x¼" with ⅜" mounting holes – center hole threaded to accept rod. The Rocket Plate and assemblies utilize a blue, FDA-compliant silicone compound gasket which comes factory installed on the plate. Rocket Plate is designed to fit on the ridge or groove of corrugated IMP walls without the need for manually applied silicone to seal between the wall and standoff.

Rocket Plate and Rocket Plate Assemblies are used to provide a gasketed means to secure conduit, process pipe and other equipment horizontally or vertically along, but off, a wall surface. The factory fabricated assemblies utilize 304 stainless bald rod, custom fabricated to ensure 2" or 4" stand off to provide space away from the wall for improved cleanability and in support of good hygienic design. Bald rod minimizes thread exposure and is secured in place using serrated flange nut, 2 are included.



## Multiple Conduit & Process Pipe Run

When installing multiple conduit or process pipe runs along an IMP wall, the installer uses Rocket Rack® U-Bolts to attach the run to Rocket Rack Flat racks. Rocket Rack Flat stands off the wall with a Rocket Plate and Bald/Slick Rod.

## Single Conduit & Process Pipe Run

When mounting a single conduit or process pipe to the IMP wall, the installer has several options. The Rocket Plate can be used with 1) Rocket Rod®, 2) Bald Rod or 3) Rocket Spacer. These options are customizable according to required distance from the IMP wall. All are preassembled and supplied with flange nuts. Fab-Lok® Fastener and Sanitary Clamps sold separately.

FOOD GRADE ROCKET PLATE AND ASSEMBLIES		NSF H
PART NUMBER	DESCRIPTION	
RRHPLT	Rocket Plate - Food Grade	
RRHPLT02	Rocket Plate - Food Grade - 2" from Wall Assembly	
RRHPLT04	Rocket Plate - Food Grade - 4" from Wall Assembly	

# Clamps and Fasteners

## FAB-LOK®

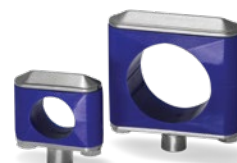
PART NUMBER	DESCRIPTION
RRHDWSFAB230	Fab-Lok for Mounting Rocket Plate to IMP Wall



Fab-Lok® fasteners combine a slotted sleeve and fastener to provide high resistance to vibration loosening. Excellent for use with composite panels.

## SANITARY 2 PIECE CLAMPS

PART NUMBER	DESCRIPTION
RRHPC.PIPE50	Sanitary 2 Piece Clamp for 1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE75	Sanitary 2 Piece Clamp for 3/4 inch Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE1	Sanitary 2 Piece Clamp for 1 inch Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE125	Sanitary 2 Piece Clamp for 1-1/4 inch Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE150	Sanitary 2 Piece Clamp for 1-1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE2	Sanitary 2 Piece Clamp for 2 inch Conduit 1/2 - 13 Threaded Coupling



## PROCESS HEX SANITARY 2 PIECE CLAMPS

PART NUMBER	DESCRIPTION
RRPHH.TUBE50	Process Hex Sanitary 2 Piece Clamp for 1/2 inch Tubing 3/8 - 16 Threaded Coupling
RRPHH.TUBE75	Process Hex Sanitary 2 Piece Clamp for 3/4 inch Tubing 3/8 - 16 Threaded Coupling
RRPHH.TUBE1	Process Hex Sanitary 2 Piece Clamp for 1 inch Tubing 3/8 - 16 Threaded Coupling
RRPHH.TUBE150	Process Hex Sanitary 2 Piece Clamp for 1-1/2 inch Tubing 3/8 - 16 Threaded Coupling
RRPHH.TUBE2	Process Hex Sanitary 2 Piece Clamp for 2 inch Tubing 3/8 - 16 Threaded Coupling
RRPHH.TUBE250	Process Hex Sanitary 2 Piece Clamp for 2-1/2 inch Tubing 1/2 - 13 Threaded Coupling
RRPHH.TUBE3	Process Hex Sanitary 2 Piece Clamp for 3 inch Tubing 1/2 - 13 Threaded Coupling
RRPHH.TUBE4	Process Hex Sanitary 2 Piece Clamp for 4 inch Tubing 1/2 - 13 Threaded Coupling



### SANITARY HINGED CLAMPS

PART NUMBER	DESCRIPTION
RRBCLM.PIPE50	Sanitary Hinged Clamp for 1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRBCLM.PIPE75	Sanitary Hinged Clamp for 3/4 inch Conduit 3/8 - 16 Threaded Coupling
RRBCLM.PIPE1	Sanitary Hinged Clamp for 1 inch Conduit 3/8 - 16 Threaded Coupling
RRBCLM.PIPE150	Sanitary Hinged Clamp for 1-1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRBCLM.PIPE2	Sanitary Hinged Clamp for 2 inch Conduit 3/8 - 16 Threaded Coupling



### INDUSTRIAL 2 PIECE CLAMPS

PART NUMBER	DESCRIPTION
RRGCLM.SRC50	Industrial 2 Piece Clamp for 1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRGCLM.SRC75	Industrial 2 Piece Clamp for 3/4 inch Conduit 3/8 - 16 Threaded Coupling
RRGCLM.SRC100	Industrial 2 Piece Clamp for 1 inch Conduit 3/8 - 16 Threaded Coupling
RRGCLM.SRC125	Industrial 2 Piece Clamp for 1-1/4 inch Conduit 3/8 - 16 Threaded Coupling
RRGCLM.SRC150	Industrial 2 Piece Clamp for 1-1/2 inch Conduit 3/8 - 16 Threaded Coupling
RRGCLM.SRC200	Industrial 2 Piece Clamp for 2 inch Conduit 3/8 - 16 Threaded Coupling



### SANITARY 2 PIECE CLAMPS FOR PVC-COATED CONDUIT

PART NUMBER	DESCRIPTION
RRHPC.PIPE50-PVC	Sanitary 2 Piece Clamp for 1/2 inch PVC-Coated Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE75-PVC	Sanitary 2 Piece Clamp for 3/4 inch PVC-Coated Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE1-PVC	Sanitary 2 Piece Clamp for 1 inch PVC-Coated Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE125-PVC	Sanitary 2 Piece Clamp for 1-1/4 inch PVC-Coated Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE150-PVC	Sanitary 2 Piece Clamp for 1-1/2 inch PVC-Coated Conduit 3/8 - 16 Threaded Coupling
RRHPC.PIPE2-PVC	Sanitary 2 Piece Clamp for 2 inch PVC-Coated Conduit 1/2 - 13 Threaded Coupling



# Rocket Rack® Stainless Hardware

## Rocket Standoff

Used for installing Sanitary Clamps on Rocket Rack® Tented™ racks. Specially designed to fit the sloping sides of Rocket Rack Tented, leaving NO gaps or spaces where bacteria or dirt could collect.

ROCKET STANDOFF		NSF H
PART NUMBER	DESCRIPTION	
RRHDWSSNDOFF	Standoff Standard Mount 304 for Sanitary Clamps	
RRHDWTSNDOFF	Standoff Variable Mount 304 3/8 - 16 Threaded for Sanitary Clamps	
RRHDWTSNDOFF1/2	Standoff Variable Mount 304 Dual Threaded 3/8 - 16 and 1/2 - 13 2 inch long for Sanitary Clamps	



## Niedax® Universal Mounting Bracket Set

Niedax® Universal Mounting Bracket Set is used to mount wire mesh / basket tray to racks.

NIEDAX UNIVERSAL MOUNTING BRACKET SET	
PART NUMBER	DESCRIPTION
RRHDWSNIEDSET	Mounting Clamp 304 Niedax Universal Wire Mesh/Tray with hardware



## Food Grade Wire Mesh / Basket Tray Clamp

Food Grade Wire Mesh / Basket Tray Clamp is used to secure wire mesh / basket tray horizontally or vertically to the Rocket Rack support platform.

FOOD GRADE WIRE MESH CABLE TRAY CLAMP		NSF H
PART NUMBER	DESCRIPTION	
RRCTC1	Mounting Clamp Food Grade 304 Universal Wire Mesh/Tray with beveled capnut	



## Rocket Bolt

Used on the underside of Rocket Rack Tented, securing the Rocket Standoff. Beveled shoulders of bolt fit snugly into the peak of the angle, leaving no gaps or spaces where dirt or bacteria could collect.

ROCKET BOLT	
PART NUMBER	DESCRIPTION
RRHDSHEXBOLT	Bolt Beveled 304 3/8 - 16 X 2 - 1/8 inch with 11/16 inch Hex Head for Sanitary Clamps



## Flange Bolt Hex Head

Used to mount spacers, clamps, and enclosures to Rocket Rack Flat Rack, Rocket Rack Standard Rack or wall mount applications. The flange bolt eliminates the need for additional washers between the piece being secured and the rack.

FLANGE BOLT HEX HEAD	
PART NUMBER	DESCRIPTION
RRHFB14201/2	Flange Bolt Hex Head Stainless 1/4 - 20 X 1/2 inch long
RRHFB14202	Flange Bolt Hex Head Stainless 1/4 - 20 X 2 inch long
RRHFB14203	Flange Bolt Hex Head Stainless 1/4 - 20 X 3 inch long
RRHFB38163/4	Flange Bolt Hex Head Stainless 3/8 - 16 X 3/4 inch long
RRHFB38161	Flange Bolt Hex Head Stainless 3/8 - 16 X 1 inch long
RRHFB38162	Flange Bolt Hex Head Stainless 3/8 - 16 X 2 inch long
RRHFB38163	Flange Bolt Hex Head Stainless 3/8 - 16 X 3 inch long



## Carriage Bolt

Used to securely fasten supports and spacers through the slot on Standard or Flat Racks. The carriage bolt eliminates “spinning” of the bolt, allowing for easier installation.

CARRIAGE BOLT	
PART NUMBER	DESCRIPTION
RRCB38161	Carriage Bolt Stainless 3/8 - 16 X 1 inch long

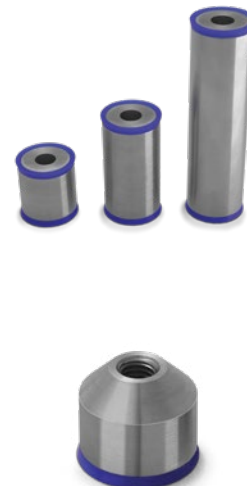




# Rocket Rack® Stainless Hardware

## Food Grade Rocket Spacer

Food Grade Rocket Spacers are used to mount enclosures, device boxes, disconnect switches and other equipment with mounting feet to Rocket Rack® Flat Rack or away from the wall to maintain desired distance for easy cleaning. The Food Grade Rocket Spacer is constructed of corrosion resistant 304 stainless steel and utilizes FDA-compliant, blue (non-food color) silicone gaskets. Spacers are available in choice of two styles – cylindrical or tapered. The cylindrical model is available with  $\frac{5}{16}$ " diameter through hole (for use with  $\frac{1}{4}$ " hardware) or  $\frac{7}{16}$ " diameter through hole (for use with  $\frac{3}{8}$ " hardware) and in 1", 2", or 4" lengths as standard. The tapered model is designed for use in mounting equipment with smaller mounting ears available or where a streamline connection point is desired and available in 1" or 2" lengths with  $\frac{3}{8}$ " – 16" or  $\frac{1}{4}$ " – 20" threaded openings as standard. Rocket Spacers provide for improved cleanability and are used in accordance with good hygienic design. A traditional, non-gasketed spacer is available in 1" version.



FOOD GRADE ROCKET SPACER		NSF	H
PART NUMBER	DESCRIPTION		
RRHS5161	Spacer Food Grade 304 5/16 inch Hole Dia 1 inch long		
RRHS5162	Spacer Food Grade 304 5/16 inch Hole Dia 2 inch long		
RRHS5164	Spacer Food Grade 304 5/16 inch Hole Dia 4 inch long		
RRHS7161	Spacer Food Grade 304 7/16 inch Hole Dia 1 inch long		
RRHS7162	Spacer Food Grade 304 7/16 inch Hole Dia 2 inch long		
RRHS7164	Spacer Food Grade 304 7/16 inch Hole Dia 4 inch long		
RRHS9162	Spacer Food Grade 304 9/16 inch Hole Dia 2 inch long		
RRHS122T	Tapered Spacer Food Grade 304 1/2 - 13 Threaded Hole 2 inch long		
RRHS38122T	Tapered Spacer Food Grade 304 Dual Threaded 3/8 - 16 and 1/2 - 13 2 inch long		
RRHS38141T	Tapered Spacer Food Grade 304 Dual Threaded 3/8 - 16 and 1/4 - 20 1 inch long		
RRHS38142T	Tapered Spacer Food Grade 304 Dual Threaded 3/8 - 16 and 1/4 - 20 2 inch long		
RRHS381T	Tapered Spacer Food Grade 304 3/8 - 16 Threaded Hole 1 inch long		
RRHS382T	Tapered Spacer Food Grade 304 3/8 - 16 Threaded Hole 2 inch long		
RRHS141T	Tapered Spacer Food Grade 304 1/4 - 20 Threaded Hole 1 inch long		
RRHS142T	Tapered Spacer Food Grade 304 1/4 - 20 Threaded Hole 2 inch long		

## Industrial Rocket Spacer

Industrial Spacers have no gasket and are used to support and provide clearance between enclosures and the mounting surface.

INDUSTRIAL ROCKET SPACER	
PART NUMBER	DESCRIPTION
RRHDWSSPCR1	Industrial Spacer 304 7/16 inch Hole Dia X 1 inch long
RRHDWSSPCR2	Industrial Spacer 304 7/16 inch Hole Dia X 2 inch long





## Food Grade Spacer Slot Gasket

FOOD GRADE SPACER SLOT GASKET	
PART NUMBER	DESCRIPTION
RRRG38	Rocket Rack Food Grade Spacer Slot Gasket



## Hex Nuts

Hex nuts are used to secure parts where the position needs to be locked into place. Examples are on top/bottom of rod couplings joining (2) pieces of Rocket Rod or when utilizing rod coupling nuts under racks to secure the rod coupling nut in place.

HEX NUTS	
PART NUMBER	DESCRIPTION
RRHDWSHN3/8	Hex Nut Stainless 3/8 - 16
RRHDWSHN1/2	Hex Nut Stainless 1/2 - 13



## Standard All Thread Rod Connector

Standard All Thread Rod Connectors are used to join direct mount clamps to a threaded spacer with a hex nut (ordered separately).

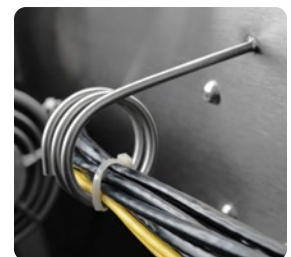
STANDARD ALL THREAD ROD CONNECTOR	
PART NUMBER	DESCRIPTION
RRATR304NIP3/8	Standard All Thread Rod Connector 304 3/8 X 1-1/4 inch long
RRATR304NIP1/2	Standard All Thread Rod Connector 304 1/2 X 1-5/8 inch long



## Rocket Rings® for Cable Management

A Cable Management/Mounting System, available unthreaded, to secure cabling for devices and drives on conveyors, skids or equipment. The no tail version is designed for tack welding of ring at both ends against mounting surface.

ROCKET RINGS® FOR CABLE MANAGEMENT	
PART NUMBER	DESCRIPTION
RRHDWSRRING11/4	Cable Management Rocket Ring 304 1/4 inch X 1-1/4 inch
RRHDWSRRING2	Cable Management Rocket Ring 304 1/4 inch X 2 inch
RRHDWSRRING11/4NT	Cable Management Rocket Ring 304 1/4 inch X 1-1/4 inch No Tail
RRHDWSRRING2NT	Cable Management Rocket Ring 304 1/4 inch X 2 inch No Tail



# Load Ratings

Load ratings refer to the maximum allowable weight, force or pressure that a structure, equipment or component can withstand under specific operating conditions without causing failure, deformation or reduced efficiency. It is essential to determine load ratings accurately to prevent accidents, equipment breakdowns and costly repairs.

Understanding load ratings can be crucial for several reasons, the first being safety. Industrial infrastructure, such as strut, hangers and the building supports they are attached to, handle substantial loads. Accurate load ratings ensure the safety of workers, the public and the environment by preventing catastrophic failures. Overloading these types of infrastructure components can lead to premature wear and tear of the products they support, thus reducing the lifespan of assets and increasing maintenance costs. Load ratings help protect these valuable assets.

Another important factor is maintaining compliance. Many industries must adhere to regulations and codes that specify load ratings. Meeting these requirements ensures legal compliance and avoids potential liabilities. Lastly, operating within the designated load ratings ensures optimal performance and efficiency of equipment and structures.

Beam load ratings for strut systems involve highly complex calculations across four classification areas: Manner of support, Length of beam/length of span between supports, Material used (e.g., steel, aluminum, PVC, etc.) and Profile (cross section of the beam).

When it comes to the installation of Rocket Rack and other strut systems, it is crucial to ensure structural integrity and safety. Consider the following key considerations and calculations you need to make, emphasizing the importance of accurate data for various load scenarios:

- **Comprehensive Load Data:** To make informed calculations, it's essential to have access to all relevant data. Rocket Rack provides both point and distributed load information, taking into account factors such as deflection and live loads for specific applications. Unlike systems that only offer distributed load ratings, our approach considers diverse scenarios, including point loads and different conduit sizes running across the same beam.
- **Factor of safety:** Every calculation presented by an engineer should incorporate an adequate safety factor. We prioritize safety in our load ratings, ensuring that the specified capacities have a built-in margin for unforeseen circumstances.
- **Load Types (Point and Distributed):** Understanding the distinctions between concentrated point loads and uniformly distributed loads is crucial. Our load ratings address these variations, providing a nuanced approach that goes beyond standard beam ratings. This ensures a more accurate representation of the load-bearing capacity in diverse mounting scenarios.

# ATTENTION!

The Rocket Rack® slots are to be used for securing conduit and process pipe fasteners (U-Bolts, Rocket Standoff, Sanitary Clamps, etc.) only. The proprietary slot is NOT to be used as a means of installing the Rocket Rack itself. The Rocket Rack should be installed using only the mounting holes provided.

ROCKET RACK FLAT is for WALL MOUNT and POST MOUNT ONLY!

Rocket Rack is a pre-engineered product. Do not attempt to cut or alter the Rocket Rack product in any way. The load ratings provided in this document only apply to unaltered Rocket Rack products. Robroy Industries, dba Rocket Rack disclaims all potential liability that may result from improper installation of the Rocket Rack product or from cutting the rack or changing the size of the slot or mounting holes. You agree to indemnify and hold Robroy Industries harmless from any loss, damage, claim, cost or expense incurred or suffered by Robroy Industries relating to any Rocket Rack product that you improperly installed or altered in any way.

Manufacturing the patented Rocket Rack Conduit and Pipe Support Racks without the permission of Robroy Industries (by license or waiver) constitutes infringement and will expose the unauthorized user AND manufacturer to liability under U.S. Patent Law. Robroy Industries respects intellectual property rights and expects to have its rights respected. Robroy Industries has invested considerable resources in protecting its intellectual property and fully intends to vigorously protect these assets against any infringement or other unlawful actions.

Rocket Rack U.S. Patents: D608,183 S, D599,194 S, D599,193 S, D653,524 S & D649,863 S and patents pending.

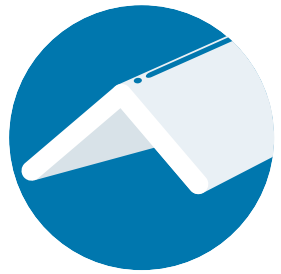
# Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S



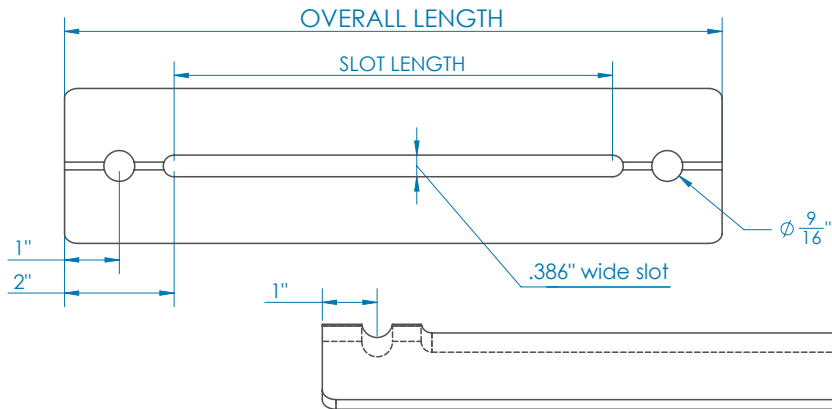
- 1 These slots and mounting holes are centered on peak or heel of the angle.
- 2 Loads on these tables are based on utilizing the outside mounting holes.
- 3 Custom designed rack load ratings can be provided at request if designed within Rocket Rack engineering parameters.
- 4 Load ratings are based on ASD, 9th Edition, Section F1; however it is suggested that the loads in the tables be reduced by a Factor of Safety of 2 for safe performance.
- 5 For slot dimensions and placement, call Rocket Rack® 903.680.4222.

RACK LENGTH	NUMBER OF SLOTS
12" - 15"	1
16" - 25"	2
26" - 35"	3
36" - 54"	4
60" - 72"	6

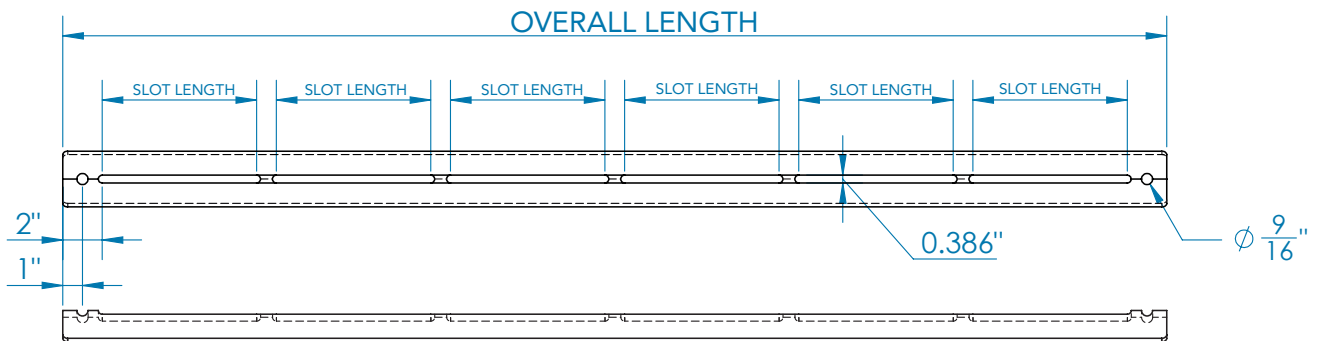


**ROCKET RACK®  
TENTED™**

## 1 Slot Tented



## 6 Slot Tented



**LOAD RATINGS ARE LISTED FOR TWO MATERIALS  
HAVING THE FOLLOWING PROPERTIES:**

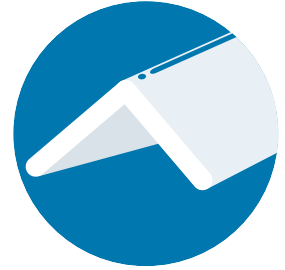
MATERIAL	YIELD STRESS (KSI)	MOD OF ELASTICITY (KSI)
304/316 Stainless Steel	30	28100
6061-T6 Aluminum	37	10000

# Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S

## Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
0.7392	0.0693	0.1133	0.3061



## ROCKET RACK® TENTED™

Tented™ 304 &amp; 316 Stainless 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRTNT30412   RRTNT31612	12"	816	0.0087	3892	2595	1632	0.0109	6227	4152
RRTNT30414   RRTNT31614	14"	680	0.0126	2703	1802	1360	0.0157	4324	2883
RRTNT30416   RRTNT31616	16"	583	0.0171	1986	1324	1166	0.0214	3177	2118
RRTNT30418   RRTNT31618	18"	510	0.0224	1520	1014	1020	0.0280	2433	1622
RRTNT30420   RRTNT31620	20"	453	0.0283	1201	801	907	0.0354	1922	1281
RRTNT30422   RRTNT31622	22"	408	0.0349	973	649	816	0.0437	1557	1038
RRTNT30424   RRTNT31624	24"	371	0.0423	804	536	742	0.0528	1287	858
RRTNT30426   RRTNT31626	26"	340	0.0503	676	450	680	0.0629	1081	721
RRTNT30428   RRTNT31628	28"	314	0.0590	576	384	628	0.0738	921	614
RRTNT30430   RRTNT31630	30"	291	0.0685	496	331	583	0.0856	794	530
RRTNT30432   RRTNT31632	32"	272	0.0786	432	288	544	0.0983	692	461
RRTNT30434   RRTNT31634	34"	255	0.0894	380	253	510	0.1118	608	405
RRTNT30436   RRTNT31636	36"	240	0.1010	337	224	480	0.1262	539	359
RRTNT30438   RRTNT31638	38"	227	0.1132	300	200	453	0.1415	480	320
RRTNT30440   RRTNT31640	40"	215	0.1261	270	180	429	0.1577	431	288
RRTNT30442   RRTNT31642	42"	204	0.1398	243	162	408	0.1747	389	259
RRTNT30444   RRTNT31644	44"	194	0.1541	221	147	389	0.1926	353	235
RRTNT30446   RRTNT31646	46"	185	0.1691	201	134	371	0.2114	322	214
RRTNT30448   RRTNT31648	48"	177	0.1848	184	123	355	0.2310	294	196
RRTNT30450   RRTNT31650	50"	170	0.2013	169	113	340	0.2516	270	180
RRTNT30452   RRTNT31652	52"	163	0.2184	156	104	326	0.2730	249	166
RRTNT30454   RRTNT31654	54"	157	0.2362	144	96	314	0.2952	230	154
RRTNT30456   RRTNT31656	56"	151	0.2547	133	89	302	0.3184	214	142
RRTNT30458   RRTNT31658	58"	146	0.2739	124	83	291	0.3424	199	132
RRTNT30460   RRTNT31660	60"	141	0.2938	116	77	281	0.3673	185	123



### Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
0.7392	0.0693	0.1133	0.3061



## ROCKET RACK® TENTED™

Tented™ 6061-T6 Aluminum 2x2x1/4

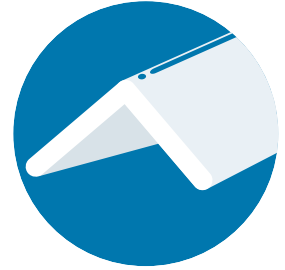
PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRTNTALU12	12"	1006	0.0303	1385	923	2013	0.0378	2216	1477
RRTNTALU14	14"	839	0.0436	962	641	1677	0.0545	1539	1026
RRTNTALU16	16"	719	0.0593	707	471	1438	0.0742	1131	754
RRTNTALU18	18"	629	0.0775	541	361	1258	0.0969	866	577
RRTNTALU20	20"	559	0.0981	427	285	1118	0.1226	684	456
RRTNTALU22	22"	503	0.1211	346	231	1006	0.1514	554	369
RRTNTALU24	24"	457	0.1465	286	191	915	0.1832	458	305
RRTNTALU26	26"	419	0.1744	240	160	839	0.218	385	256
RRTNTALU28	28"	387	0.2046	205	137	774	0.2558	328	219
RRTNTALU30	30"	359	0.2373	177	118	719	0.2967	283	188
RRTNTALU32	32"	335	0.2725	154	103	671	0.3406	246	164
RRTNTALU34	34"	314	0.31	135	90	629	0.3875	216	144
RRTNTALU36	36"	296	0.35	120	80	592	0.4375	192	128
RRTNTALU38	38"	280	0.3923	107	71	559	0.4904	171	114
RRTNTALU40	40"	265	0.4371	96	64	530	0.5464	153	102
RRTNTALU42	42"	252	0.4844	87	58	503	0.6055	139	92
RRTNTALU44	44"	240	0.534	79	52	479	0.6675	126	84
RRTNTALU46	46"	229	0.5861	72	48	457	0.7326	114	76
RRTNTALU48	48"	219	0.6406	65	44	438	0.8007	105	70
RRTNTALU50	50"	210	0.6975	60	40	419	0.8719	96	64
RRTNTALU52	52"	201	0.7568	55	37	403	0.946	89	59
RRTNTALU54	54"	194	0.8186	51	34	387	1.0232	82	55
RRTNTALU56	56"	186	0.8828	47	32	373	1.1034	76	51
RRTNTALU58	58"	180	0.9494	44	29	359	1.1867	71	47
RRTNTALU60	60"	174	1.0184	41	27	347	1.273	66	44

# Rocket Rack® Tented™

U.S. PATENT NO. D653,524 S

## Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
1.2392	0.3204	0.3321	0.5085



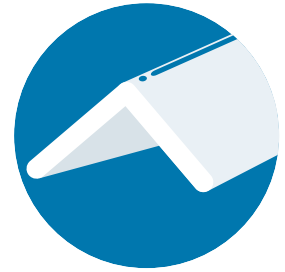
## TENTED™ ANGLE ROCKET RACK®

Tented™ 304 Stainless 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3TNT30436   RR3TNT31636	36"	703	0.0640	1558	1038	1407	0.0800	2492	1662
RR3TNT30438   RR3TNT31638	38"	664	0.0717	1389	926	1329	0.0896	2223	1482
RR3TNT30440   RR3TNT31640	40"	629	0.0799	1247	831	1259	0.0999	1995	1330
RR3TNT30442   RR3TNT31642	42"	598	0.0885	1125	750	1196	0.1107	1801	1200
RR3TNT30444   RR3TNT31644	44"	569	0.0976	1021	681	1139	0.1220	1633	1089
RR3TNT30446   RR3TNT31646	46"	544	0.1071	930	620	1087	0.1339	1488	992
RR3TNT30448   RR3TNT31648	48"	520	0.1171	851	567	1040	0.1464	1362	908
RR3TNT30450   RR3TNT31650	50"	498	0.1275	782	521	996	0.1594	1250	834
RR3TNT30452   RR3TNT31652	52"	478	0.1383	720	480	957	0.1729	1152	768
RR3TNT30454   RR3TNT31654	54"	460	0.1496	666	444	920	0.1879	1066	710
RR3TNT30456   RR3TNT31656	56"	443	0.1614	618	412	886	0.2017	988	659
RR3TNT30458   RR3TNT31658	58"	427	0.1735	574	383	854	0.2169	919	612
RR3TNT30460   RR3TNT31660	60"	412	0.1862	535	357	825	0.2327	856	571
RR3TNT30462   RR3TNT31662	62"	399	0.1992	500	333	797	0.249	800	534
RR3TNT30464   RR3TNT31664	64"	386	0.2127	468	312	771	0.2659	750	500
RR3TNT30466   RR3TNT31666	66"	374	0.2267	440	293	747	0.2833	703	469
RR3TNT30468   RR3TNT31668	68"	362	0.241	413	276	725	0.3013	661	441
RR3TNT30470   RR3TNT31670	70"	352	0.2559	389	260	703	0.3198	623	415
RR3TNT30472   RR3TNT31672	72"	342	0.2711	367	245	683	0.3389	588	392

### Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
1.2392	0.3204	0.3321	0.5085



## TENTED™ ANGLE ROCKET RACK®

Tented™ 6061-T6 Aluminum 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3TNTALU36	36"	867	0.2217	554	370	1735	0.2771	887	591
RR3TNTALU38	38"	819	0.2485	494	330	1639	0.3107	791	527
RR3TNTALU40	40"	776	0.2769	444	296	1552	0.3462	710	473
RR3TNTALU42	42"	737	0.3068	401	267	1475	0.3836	641	427
RR3TNTALU44	44"	702	0.3383	363	242	1405	0.4229	581	387
RR3TNTALU46	46"	670	0.3713	331	221	1341	0.4641	530	353
RR3TNTALU48	48"	641	0.4058	303	202	1282	0.5073	485	323
RR3TNTALU50	50"	614	0.4419	278	185	1229	0.5523	445	297
RR3TNTALU52	52"	590	0.4794	256	171	1180	0.5993	410	273
RR3TNTALU54	54"	567	0.5186	237	158	1134	0.6482	379	253
RR3TNTALU56	56"	546	0.5592	220	147	1092	0.699	352	234
RR3TNTALU58	58"	527	0.6014	204	136	1053	0.7518	327	218
RR3TNTALU60	60"	509	0.6451	190	127	1017	0.8064	305	203
RR3TNTALU62	62"	492	0.6904	178	119	983	0.863	285	190
RR3TNTALU64	64"	476	0.7372	167	111	951	0.9215	267	178
RR3TNTALU66	66"	461	0.7855	156	104	922	0.9819	250	167
RR3TNTALU68	68"	447	0.8354	147	98	894	1.0442	235	157
RR3TNTALU70	70"	434	0.8868	139	92	867	1.1085	222	148
RR3TNTALU72	72"	421	0.9402	131	87	842	1.1752	209	139

# Rocket Rack® Standard

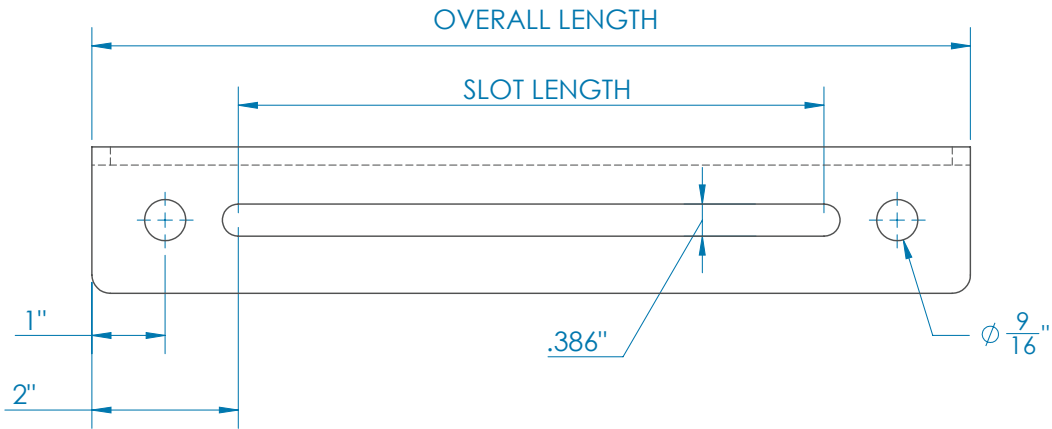
U.S. PATENT NOS. D608,183 S & D599,194 S



- 1 These slots and mounting holes are centered on horizontal flat leg of the angle.
- 2 Loads on these tables are based on utilizing the outside mounting holes.
- 3 Custom designed rack load ratings can be provided at request if designed within Rocket Rack engineering parameters.
- 4 Load ratings are based on ASD, 9th Edition, Section F1.
- 5 For slot dimensions and placement, call Rocket Rack® 903.680.4222.

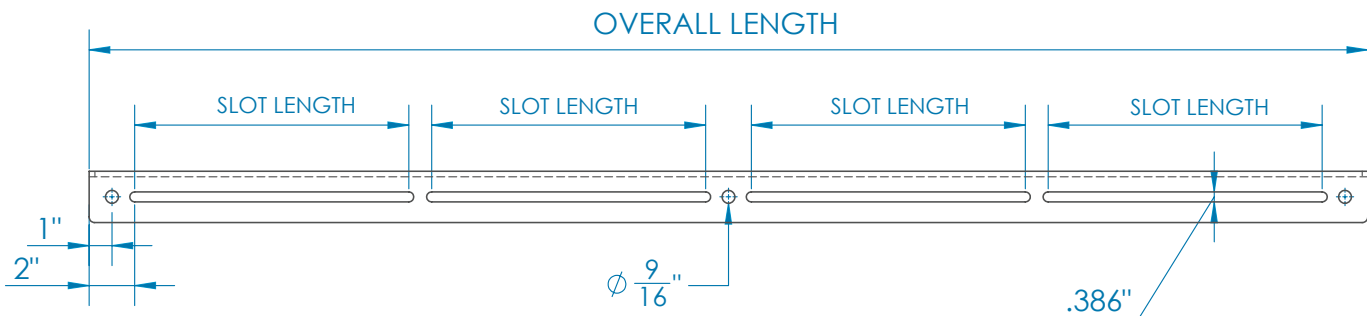
RACK LENGTH	NUMBER OF SLOTS
12"-35"	1
36"-55"	2
56"-72"	4

## 1 Slot Standard



**ROCKET RACK®  
STANDARD**

## 4 Slot Standard



**LOAD RATINGS ARE LISTED FOR TWO MATERIALS  
HAVING THE FOLLOWING PROPERTIES:**

MATERIAL	YIELD STRESS (KSI)	MOD OF ELASTICITY (KSI)
304/316 Stainless Steel	30	28100
6061-T6 Aluminum	37	10000

# Rocket Rack® Standard

U.S. PATENT NOS. D608,183 S &amp; D599,194 S

## Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
0.639	0.251	0.211	0.6263



## ROCKET RACK® STANDARD

Standard 304 &amp; 316 Stainless 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRSTD30412   RRSTD31612	12"	1517	0.0045	14094	9396	3033	0.0056	22550	15034
RRSTD30414   RRSTD31614	14"	1264	0.0065	9787	6252	2528	0.0081	15660	10440
RRSTD30416   RRSTD31616	16"	1083	0.0088	7191	4794	2167	0.0110	11505	7670
RRSTD30418   RRSTD31618	18"	948	0.0115	5505	3670	1896	0.0143	8809	5872
RRSTD30420   RRSTD31620	20"	843	0.0145	4350	2900	1685	0.0182	6960	4640
RRSTD30422   RRSTD31622	22"	758	0.0179	3523	2349	1517	0.0224	5638	3758
RRSTD30424   RRSTD31624	24"	689	0.0217	2912	1941	1379	0.0271	4659	3106
RRSTD30426   RRSTD31626	26"	632	0.0258	2447	1631	1264	0.0323	3915	2610
RRSTD30428   RRSTD31628	28"	583	0.0303	2085	1390	1167	0.0379	3336	2224
RRSTD30430   RRSTD31630	30"	542	0.0352	1798	1198	1083	0.0439	2876	1918
RRSTD30432   RRSTD31632	32"	506	0.0404	1566	1044	1011	0.0504	2506	1670
RRSTD30434   RRSTD31634	34"	474	0.0459	1376	918	948	0.0574	2202	1468
RRSTD30436   RRSTD31636	36"	446	0.0518	1219	813	892	0.0648	1951	1300
RRSTD30438   RRSTD31638	38"	421	0.0581	1087	725	843	0.0726	1740	1160
RRSTD30440   RRSTD31640	40"	399	0.0647	976	651	798	0.0809	1562	1041
RRSTD30442   RRSTD31642	42"	379	0.0717	881	587	758	0.0897	1409	940
RRSTD30444   RRSTD31644	44"	361	0.0791	799	533	722	0.0989	1278	852
RRSTD30446   RRSTD31646	46"	345	0.0868	728	485	689	0.1085	1165	777
RRSTD30448   RRSTD31648	48"	330	0.0949	666	444	659	0.1186	1066	710
RRSTD30450   RRSTD31650	50"	316	0.1033	612	408	632	0.1291	979	652
RRSTD30452   RRSTD31652	52"	303	0.1121	564	376	607	0.1401	902	601
RRSTD30454   RRSTD31654	54"	292	0.1212	521	347	583	0.1515	834	556
RRSTD30456   RRSTD31656	56"	281	0.1307	483	322	562	0.1634	773	516
RRSTD30458   RRSTD31658	58"	271	0.1406	449	300	542	0.1758	719	479
RRSTD30460   RRSTD31660	60"	261	0.1508	419	279	523	0.1885	670	447



### Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
0.639	0.251	0.211	0.6263



## ROCKET RACK® STANDARD

Standard 6061-T6 Aluminum 2x2x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RRSTDALU12	12"	1870	0.0155	5016	3344	3741	0.0194	8025	5350
RRSTDALU14	14"	1559	0.0224	3483	2322	3117	0.0280	5573	3715
RRSTDALU16	16"	1336	0.0305	2559	1706	2672	0.0381	4094	2730
RRSTDALU18	18"	1169	0.0398	1959	1306	2338	0.0497	3135	2090
RRSTDALU20	20"	1039	0.0503	1548	1032	2078	0.0629	2477	1651
RRSTDALU22	22"	935	0.0622	1254	836	1870	0.0777	2006	1338
RRSTDALU24	24"	850	0.0752	1036	691	1700	0.0940	1658	1105
RRSTDALU26	26"	779	0.0895	871	581	1559	0.1119	1393	929
RRSTDALU28	28"	719	0.105	742	495	1439	0.1313	1187	791
RRSTDALU30	30"	668	0.1218	640	426	1336	0.1523	1024	682
RRSTDALU32	32"	623	0.1398	557	372	1247	0.1748	892	594
RRSTDALU34	34"	585	0.1591	490	327	1169	0.1989	784	522
RRSTDALU36	36"	550	0.1796	434	289	1100	0.2245	694	463
RRSTDALU38	38"	520	0.2014	387	258	1039	0.2517	619	413
RRSTDALU40	40"	492	0.2244	347	232	984	0.2805	556	370
RRSTDALU42	42"	468	0.2486	313	209	935	0.3108	502	334
RRSTDALU44	44"	445	0.2741	284	190	891	0.3426	455	303
RRSTDALU46	46"	425	0.3008	259	173	850	0.3760	415	276
RRSTDALU48	48"	407	0.3288	237	158	813	0.4110	379	253
RRSTDALU50	50"	390	0.358	218	145	779	0.4475	348	232
RRSTDALU52	52"	374	0.3885	201	134	748	0.4856	321	241
RRSTDALU54	54"	360	0.4202	185	124	719	0.5252	297	198
RRSTDALU56	56"	346	0.4531	172	115	693	0.5664	275	183
RRSTDALU58	58"	334	0.4873	160	107	668	0.6091	256	171
RRSTDALU60	60"	322	0.5227	149	99	645	0.6534	239	159

# Rocket Rack® Standard

U.S. PATENT NOS. D608,183 S &amp; D599,194 S

## Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in. <sup>4</sup> )	Min. Section Mod. (in. <sup>3</sup> )	Radius of Gyration (in.)
1.014	0.933	0.502	0.9593



## ROCKET RACK® STANDARD

Standard 304 &amp; 316 Stainless 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3STD30436   RR3STD31636	36"	1064	0.0332	4537	3025	2127	0.0415	7260	4840
RR3STD30438   RR3STD31638	38"	1005	0.0372	4047	2698	2009	0.0465	6467	4317
RR3STD30440   RR3STD31640	40"	952	0.0415	3632	2422	1903	0.0519	5812	3875
RR3STD30442   RR3STD31642	42"	904	0.0460	3278	2186	1808	0.0575	5245	3497
RR3STD30444   RR3STD31644	44"	861	0.0507	2973	1982	1722	0.0633	4758	3172
RR3STD30446   RR3STD31646	46"	822	0.0556	2709	1806	1644	0.0695	4335	2890
RR3STD30448   RR3STD31648	48"	786	0.0608	2479	1653	1572	0.0760	3966	2644
RR3STD30450   RR3STD31650	50"	753	0.0662	2277	1518	1507	0.0827	3643	2428
RR3STD30452   RR3STD31652	52"	723	0.0718	2098	1399	1446	0.0898	3357	2238
RR3STD30454   RR3STD31654	54"	695	0.0777	1940	1293	1391	0.0971	3104	2069
RR3STD30456   RR3STD31656	56"	670	0.0838	1799	1199	1339	0.1047	2878	1919
RR3STD30458   RR3STD31658	58"	646	0.0901	1673	1115	1292	0.1126	2676	1784
RR3STD30460   RR3STD31660	60"	623	0.0966	1559	1039	1247	0.1208	2495	1663
RR3STD30462   RR3STD31662	62"	603	0.1034	1457	971	1205	0.1293	2331	1554
RR3STD30464   RR3STD31664	64"	583	0.1104	1365	910	1167	0.1380	2183	1455
RR3STD30466   RR3STD31666	66"	565	0.1177	1281	854	1130	0.1471	2049	1366
RR3STD30468   RR3STD31668	68"	548	0.1251	1204	803	1096	0.1564	1927	1284
RR3STD30470   RR3STD31670	70"	532	0.1328	1134	756	1064	0.1660	1815	1210
RR3STD30472   RR3STD31672	72"	517	0.1408	1070	714	1033	0.1760	1713	1142

### Section Properties of Reduced Section for Load and Deflection Rating

Area (lbs.)	Moment of Inertia (in.^4)	Min. Section Mod. (in.^3)	Radius of Gyration (in.)
1.014	0.933	0.502	0.9593



## ROCKET RACK® STANDARD

Standard 6061-T6 Aluminum 3x3x1/4

PART NUMBER	OVERALL LENGTH	MAX POINT LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)	MAX. DIST. LOAD (LB.)	DEFLECTION (IN.)	L/240 (LB.)	L/360 (LB.)
RR3STDALU36	36"	1312	0.1151	1615	1076	2624	0.1439	2584	1722
RR3STDALU38	38"	1239	0.1290	1440	960	2478	0.1613	2304	1536
RR3STDALU40	40"	1174	0.1438	1293	862	2347	0.1797	2068	1379
RR3STDALU42	42"	1115	0.1593	1167	778	2230	0.1991	1867	1244
RR3STDALU44	44"	1062	0.1756	1058	705	2124	0.2195	1693	1129
RR3STDALU46	46"	1014	0.1927	964	643	2027	0.2409	1543	1028
RR3STDALU48	48"	970	0.2107	882	588	1939	0.2633	1411	941
RR3STDALU50	50"	929	0.2294	810	540	1858	0.2867	1296	864
RR3STDALU52	52"	892	0.2489	747	498	1784	0.3111	1195	796
RR3STDALU54	54"	858	0.2692	690	460	1715	0.3365	1105	736
RR3STDALU56	56"	826	0.2903	640	427	1652	0.3629	1024	683
RR3STDALU58	58"	796	0.3122	595	397	1593	0.3903	952	635
RR3STDALU60	60"	769	0.3349	555	370	1538	0.4186	888	592
RR3STDALU62	62"	743	0.3584	519	346	1487	0.4480	830	553
RR3STDALU64	64"	719	0.3827	486	324	1439	0.4784	777	518
RR3STDALU66	66"	697	0.4078	456	304	1394	0.5097	729	486
RR3STDALU68	68"	676	0.4337	429	286	1352	0.5421	686	457
RR3STDALU70	70"	656	0.4603	404	269	1312	0.5754	646	431
RR3STDALU72	72"	637	0.4878	381	254	1274	0.6098	610	406

# Ask Us About Our Educational Programs

Rocket Rack® continues to develop new and innovative products for our customers, always striving to make the contractor's work easier, with faster and safer installations. We are committed to keep our constituents educated and offer informational product overviews as well as installer certification training.

## Product Overview

This 60-minute, interactive course provides an in-depth understanding of our complete raceway and sanitary support system and how its applications can:

- Increase product safety and protect plant infrastructure.
- Ensure hygienic protection against costly corrosion damage and ease of cleanability.
- Minimize labor costs and improve overall installed system performance.



## Installer Certification

This 90-minute, interactive training is led by experts in corrosion protection and hygienic applications. This course includes classroom demonstrations and hands-on instruction focusing on tools and proper installation techniques for sanitary support systems.

## Testimonials

"My customers really love the sleek design of Rocket Rack® products. The racks have a nice simple, clean look and can be used in a variety of applications. No matter the project, the end result is a very sharp-looking installation."

- Electrical Contractor (Foreman), Missouri

"We installed Rocket Rack® supports for a recent plant upgrade. It was a quick and efficient installation. We'd previously had to custom make each support stand, and they don't compare to your stands. We're very pleased with the Rocket Rack product."

- Engineer, Pennsylvania



Thank you for your interest in the patented Rocket Rack® Sanitary Support System for Electrical and Mechanical Installations. Most items listed in this catalog are factory stock items to ensure quick order turnaround and product shipment to meet tight job timeline requirements. For details on slot length and placement, please call us at 903.680.4222.

**TO PLACE AN ORDER, CALL 903.680.4222 OR SEND TO [CSR@ROBROY.COM](mailto:CSR@ROBROY.COM).**

**TO ACCESS MOST RECENT RESOURCES, VISIT [ROCKET-RACK.COM/LITERATURE](http://ROCKET-RACK.COM/LITERATURE).**



# Innovation & Design

With Rocket Rack®, there are unlimited possibilities to discover. And if you're not sure how best to make Rocket Rack work for your installation, our knowledgeable team is here to help. Based on your needs, we can help create a custom solution. We strive to make your job easier, with faster and safer installations. Call and tell us about your next project, and our design team can create a Rocket Rack solution for you.

This tri-post Rocket Rack Flat mechanical frame for plant washdown equipment is just one example of the limitless combinations made possible with Rocket Rack's broad product selection and endlessly configurable design. This unique customer solution consists of 20-foot-tall Rocket Posts™ secured in a triangular shape with multiple levels of three Flat Racks each, and it acts as both heavy-duty mechanical support for the washdown equipment and hygienic electrical infrastructure support for conduit running vertically in the area.



Document Number: 002 Revision Date: 07/18/24

