



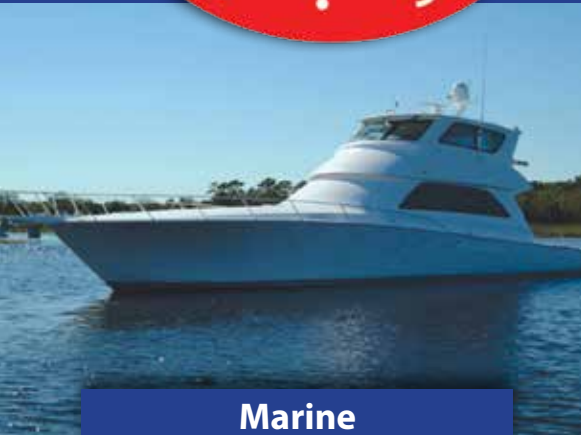
# WELD MOUNT

**ADHESIVELY BONDED FASTENING SYSTEMS**

A Division of Royal Adhesives and Sealants, LLC



## Many Industries Use Weld Mount



Marine



Industrial



Emergency Vehicles



Mass Transit



Petrochemical



Electrical Apparatus



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## The Weld Mount System - How Does it Work?

**The Weld Mount System is a unique line of fasteners designed to be adhesively bonded to almost any substrate.**

We offer wire tie mounts, hose and cable clamps, studs, standoffs, floating nut plates and other mounting solutions. All of our fasteners are mounted with our unique non-sag acrylic adhesives which hold the parts in place on a vertical or

overhead surface providing permanent high strength bonds. Our adhesives create structural bonds which provide as much as 2,700 lbs. of tensile strength in 20 to 30 minutes.

Our system can be easily installed without extensive training eliminating the high costs associated with welding or drilling and tapping.



1

Mount the 2 part adhesive cartridge into the dispenser and mount the replaceable mixing tip.



2

Squeeze the handle to dispense a small amount of adhesive onto the bottom of the part.



3

Firmly push the part onto the substrate until the adhesive squeezes out from under the base.



4

Depending on the adhesive selected the fastener is ready for use in 15 - 45 minutes.

## Why Should You Use Weld Mount System?

### Weld Mount Advantages for Composite Construction:

- Eliminate drilling into composites exposing the core to moisture
- Eliminate the need to use blocking to mount components saving weight & labor costs
- Eliminate inadvertent drilling damage which causes expensive repair and delay
- Can be mounted in difficult locations where tools and/or people have poor access
- Neat and clean installation ideal for last minute changes and additions



### Weld Mount Advantages for Metal/Industrial Applications:

#### Weld Mount provides significant advantages over Welding

- Eliminate procedure preparation, review and approval delays
- Weld Mount can be installed with less expensive labor
- Eliminate safety review and fire watch requirements
- Eliminate noxious fumes and gas ventilation issues associated with hot work
- Eliminate warpage and discoloration and the cost of subsequent grinding and polishing

#### Weld Mount provides significant cost benefits over Drilling & Tapping

- Eliminate rigging magnetic drilling equipment in difficult vertical or overhead locations
- Drilling and tapping thick metal substrates is labor intensive and slow
- Drilling and tapping thin substrates leads to leak paths and threads fail over time
- Weld Mount reduces tool and consumable costs

“Designed to bond directly to almost any substrate.”

## The Weld Mount System - Our Parts

Always in Stock - Same Day Shipping



### Weld Mount Wire Tie Mounts

Surface mounted zip tie mounts with weight capacities from 50 to 350 lbs.



### Weld Mount Metal Bonded Parts

When the substrate is aluminum or steel we have a superior mounting solution.



### Weld Mount System Kits

We have a variety of industry specific kits for production or resale.



### Stainless Steel Studs

Available in a wide variety of stock base sizes, threads and lengths.



### Hose & Cable Clamps

Easily removable single and double clamps mount with our studs for a neat installation.



### Female Threaded Standoffs

Available in several sizes they offer alternative mounting solutions.



### Floating Nut Plates

Designed for blind hole installation allowing for flexible thread alignment.

## The Weld Mount System - Our Adhesives

Always in Stock - Same Day Shipping



### AT-2010 Acrylic Adhesive

AT-2010 is an acrylic adhesive which cures in 6 minutes and has working strength within 18 minutes, making it ideal for a fast-paced work environment. It is best used with fiberglass substrates.



### AT-4020 White Acrylic Adhesive

AT-4020 is a white adhesive which cures in 10 minutes and has working strength within 30 minutes. The white color makes it look better for installations where the part is visible.



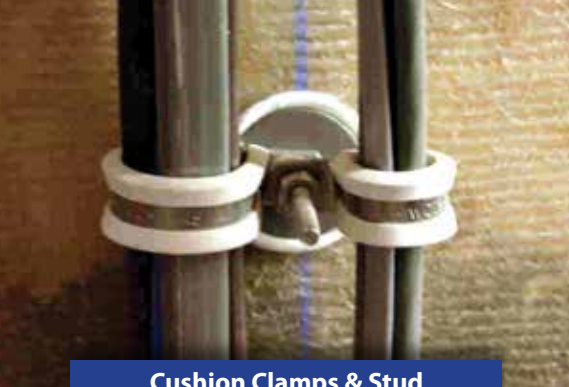
### AT-6030 Metal & Carbon Bonding Adhesive

AT-6030 is an acrylic adhesive for metal and carbon bonding application. This 10 to 1 adhesive cures in 15 minutes and has working strength within 45 minutes.



### AT-8040 No Slide Multi Bonder Adhesive

AT-8040 is an acrylic adhesive which is designed to hold all Weld Mount parts on a vertical or overhead surface. It cures in 10 minutes and has working strength in 30 minutes. No sliding and fixturing. Works on metal and composite substrates.



Cushion Clamps & Stud



Metal Bonding



Wet Fiberglass



Accessory Mounting



Blower / Vent Attachment



Battery Cables



Crane Surface Mounting



Overhead / Underdeck



Cushion Clamp & Stud

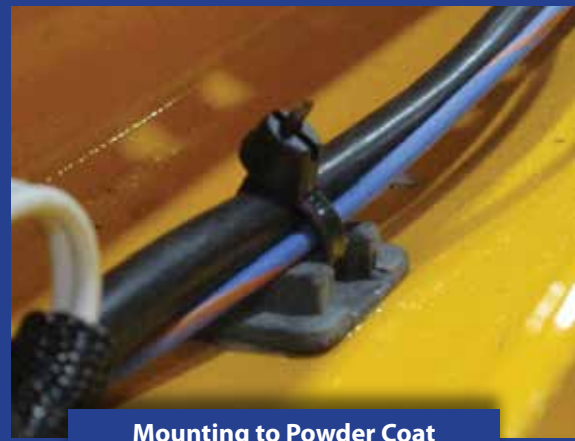
# Typical Applications



Pumps / Panels Mounting



Emergency Vehicle Mounts



Mounting to Powder Coat



Hydraulic Lines on Standoffs



# WELD MOUNT

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## Inventory Items In Stock - Our Kits

### AT-1050 - Retail Wire Tie Kit

The AT-1050 Weld Mount System wire tie kit is a retail clamshell package. It contains a 30 ml tube of AT-1030 acrylic adhesive for hand mixing and 25 pc. AT-5 wire tie mounts. The cartridge has a resealing cap and a built in plunger. AT-1030 adhesive will bond to almost all surfaces except low energy plastics or rubber. The adhesive sets in 12 minutes.

#### This Kit Contains:

- 1 Tube AT-1030 Adhesive (30 ml)
- 25 Pieces AT-5 Large White Tie Mount
- 2 Mixing Sticks
- 1 Plastic Mixing Sheet
- Complete Step By Step Instructions



### AT-1001002 or AT-1001009 (w/o adhesive) Executive Adhesive Fastener Kit

This kit is an ideal kit for the full service yard or custom builder. The kit contains 1 tube of our AT-8040 No Slide Multi Bonder Acrylic Adhesive which will bond to almost all surfaces except low energy plastic or rubber. The adhesive sets in 12 minutes. Store the adhesives in this kit at 72° For below to ensure adhesive shelf life.



#### This Kit Contains:

- 1 Tube AT-8040 Acrylic Adhesive (50 ml)
- 1 Piece AT-300 Adhesive Dispensing Gun
- 10 Pieces AT-850 Adhesive Mixing Tips
- 100 Pieces AT-5 Large White Tie Mount
- 50 Pieces AT-3 Small White Tie Mount
- 4 Pieces AT-113 Large White Footman's Strap
- 4 Pieces PS62-832-16SS 1.00" Stainless Panel Stud
- 10 Pieces ST125-1420-16SS Stud 1.00" Stainless Stud
- 4 Pieces ST125-1420-24SS Stud 1.50" Stainless Stud
- 4 Pieces ST125-1024-12SS Stud 0.75" Stainless Stud
- 4 Pieces ST125-1024-24SS Stud 1.50" Stainless Stud
- 1 Pieces Plano Storage Box 14" x 9" x 2.75"

### AT-65100 or AT-65109 (w/o adhesive) Adhesively Bonded Fastener Kit

This kit has a variety of Weld Mount parts designed to give the user the chance to try our system at low cost. The kit comes with a dispensing gun and mixing tips as well as our AT-8040 No Slide Multi Bonder Acrylic Adhesive which will bond to almost all surfaces except low energy plastic or rubber. The adhesive sets in 12 minutes. Store the adhesives in this kit at 72° F or below to ensure adhesive shelf life.



#### This Kit Contains:

- 1 Tube AT-8040 Acrylic Adhesive (50 ml)
- 1 Piece AT-300 Adhesive Dispensing Gun
- 5 Pieces AT-850 Adhesive Mixing Tips
- 50 Pieces AT-5 White Tie Mount
- 2 Pieces AT-113B Large Black Footman's Strap
- 4 Pieces ST125-1420-12SS 1.00" Stainless Stud
- 1 Plano Storage Box 11" x 7.25" x 2.75"

### AT-7000 or AT-7009 (w/o adhesive)

This kit is an ideal kit for industrial maintenance shops. A wide selection of Weld Mount parts are supplied in a heavy "Durham" metal box. The kit contains 1 tube of our AT-8040 No Slide Multi Bonder Acrylic Adhesive which will bond to almost all surfaces except low energy plastic or rubber. The adhesive sets in 12 minutes. Store the adhesives in this kit at 72° F or below to ensure adhesive shelf life.



#### This Kit Contains:

- 1 Tube AT-8040 Acrylic Adhesive
- 1 Piece AT-300 Adhesive Dispensing Gun
- 10 Pieces AT-850 Adhesive Mixing Tips
- 100 Pieces AT-5B Large Black Nylon Tie Mount
- 25 Pieces AT-5 Large White Nylon Tie Mount
- 30 Pieces AT-3B Small Black Nylon Tie Mounts
- 2 Pieces AT-113 Large White Footman's Strap
- 2 Pieces AT-113B Large Black Footman's Strap
- 25 Pieces AT-7 Aluminum Base Wire Tie Mount
- 25 Pieces AT-9 Aluminum Base Wire Tie Mount
- 6 Pieces ST125-1420-12SS 0.75" Stainless Stud
- 6 Pieces ST125-1420-16SS 1.00" Stainless Stud
- 6 Pieces ST125-1024-12SS 0.75" Stainless Stud
- 6 Pieces ST125-1024-20SS 1.25" Stainless Stud
- 2 Pieces SHC-1000
- 2 Pieces DHC-1000
- 1 Piece Heavy Duty Durham Steel Storage Box 18.5" x 12.5" x 3.25"

**STOP WELDING**  
**STOP DRILLING**  
**STOP TAPPING**

# Inventory Items In Stock - Our Adhesives

## AT-2010 Acrylic Adhesive

A specially formulated acrylic adhesive which cures in 6 minutes and has working strength within 15 minutes making it ideal for production applications. It is best used with fiberglass substrates. AT-2010 has a shelf life of 6 months when stored at 72° F or 12 months when refrigerated. It is packaged in a 50 ml cartridge which is used with our [AT-300 Dispensing Gun](#) and [AT-850 Mixing Tips](#).



## AT-1030 Acrylic Adhesive

A specially formulated acrylic adhesive which cures in 12 minutes and has working strength within 40 minutes. AT-1030 is packaged in a 30 ml side by side dispenser cartridge with built in plunger. Cut off the tips to dispense the amount needed for hand mixing. A cap is included to seal the cartridge for reuse. AT-1030 is a great general purpose bonder for all substrates except low energy plastics or rubber. AT-1030 has a shelf life of 12 months when stored at 72° F or less.



## AT-4020 White Acrylic Adhesive

A specially formulated white adhesive with high viscosity. Cures in 10 minutes and has working strength within 30 minutes. The white color makes it look better for installations where the part is visible. Unlike other two part acrylic adhesives, our AT-4020 has a one year shelf life when stored at 72° F. It is packaged in a 50 ml cartridge which is used with our [AT-300 Dispensing Gun](#) and [AT-650 Mixing Tips](#).



## AT-300 and AT-301 Adhesive Dispensing Gun

The AT-300 and AT-301 Adhesive Dispensing Guns are designed specifically for use with Weld Mount Adhesive.

AT-300 comes with a [1:1 Dual Plunger](#) for use with our [AT-2010](#), [AT-4020](#) and [AT-8040 Adhesive](#).

AT-301 comes with a [10:1 Dual Plunger](#) for use with our [AT-6030 Adhesive](#).



## AT-6030 Metal Bonding Adhesive

AT-6030 is a specially formulated acrylic adhesive for metal bonding application. This 10:1 adhesive cures in 15 minutes and has working strength within 45 minutes making it ideal for production applications. AT-6030 requires the use of the [AT-301 Dispensing Gun](#) and [AT-650 Adhesive Mixing Tips](#). AT-6030 has a shelf life of 6 months when stored at 72° F or below and is packaged in a 38 ml cartridge.



## Mixing Tips

[AT-850 3.25" Adhesive Mixing Tip](#): For use with our [AT-2010](#) and [AT-8040 Adhesives](#).

[AT-650 3.5" Adhesive Mixing Tip](#): For use with our [AT-4020](#) and [AT-6030 Adhesives](#).



## AT-8040 No Slide Multi Bonder Adhesive

AT-8040 is a specially formulated acrylic adhesive which is designed to hold all Weld Mount parts on a vertical or overhead surface with no sliding and without fixturing. This 1:1 adhesive cures in 12 minutes and has working strength within 45 minutes making it ideal for production applications. AT-8040 works on most metal and composite substrates. The cartridge requires our [AT-850 Adhesive Mixing Tips](#) in conjunction with our [AT-300 Dispensing Gun](#). AT-8040 has a shelf life of 6 months when stored at 72° F or 12 months when refrigerated and is packaged in a 50 ml cartridge.



## AT-14 - 1:1 Dual Plunger

## AT-13 - 10:1 Dual Plunger

The AT-14 Plunger is used to dispense [AT-2010](#), [AT-4020](#) and [AT-8040 Adhesive](#) and works in both our [AT-300](#) and [AT-301 Dispensing Gun](#).

The AT-13 Plunger is used to dispense our [AT-6030 Adhesive](#) and works in both our [AT-300](#) and [AT-301 Dispensing Gun](#).



## AT-500 Manual Dual Plunger

The AT-500 dual pusher rod is used to dispense equal amounts of [AT-2010](#) or [AT-4020 Adhesive](#) for manual mixing.



# Inventory Items In Stock - Our Parts

## AT-3 White or AT-3B Black Small Wire Tie Mount

Ideal for panels and light gauge wire run applications. This part is sized for a 0.20" wide wire tie. Average pull strength is about 50 Lbs. The square base measures .44" wide. Specifically designed to bond with our adhesives.



## AT-5 White or AT-5B Black Wire Tie Mount

Like the AT-3, the AT-5 is designed and manufactured to bond with any of our adhesives. The substrate determines which adhesive is best. Its size allows for up to a .35" wide wire tie and has an average pull strength of 150 Lbs. It is approved for submerged applications. Eliminate drilling holes, blocking, tapping or welding. Eliminate water paths and warranty issues. Save time, money and add value to your product.



## AT-7 Aluminum Base Wire Tie Mount

This tie mount has an anodized aluminum base with a nylon tie mount. The tie mount itself swivels 360 degrees making alignment with the wire harness easier. It is designed for a maximum 0.35" wide wire tie and has an average pull strength of 150 Lbs.



## AT-9 Aluminum Wire Tie Mount and AT-8 Aluminum Wire Tie Mount

Manufacture of 5052 marine grade aluminum for uv and salt water resistance for exterior applications. AT-9 is rated at 250 lbs. tensile strength. AT-8 is rated at 50 lbs. tensile strength.



## Nylon Strap Mounts

- AT-113 :  
Footman's Strap Mount White
- AT-113B :  
Footman's Strap Mount Black



Our strap mount is 3.25" long x 1" wide and holds up to a 1.3" max strap width. It is rated for over 300 Lbs. This mount is paintable. Its many uses include battery and tank tie downs, mounting heavy hoses and cables or other tie down applications.

## 304 Stainless Steel Studs (1/4-20) Thread

- ST125-1420-8SS : .50" tall
- ST125-1420-12SS : .75" tall
- ST125-1420-16SS : 1.0" tall
- ST125-1420-20SS : 1.25" tall
- ST125-1420-24SS : 1.5" tall
- ST125-1420-28SS : 1.75" tall
- ST125-1420-32SS : 2.0" tall
- ST125-1420-40SS : 2.5" tall



Our 304 stainless steel studs mount to virtually any surface using our adhesives. The substrate determines the proper adhesive. This is a structural part with 500 Lbs. of tensile strength and 650 Lbs. in shear. Torque load is 90 inch/Lbs. Note that these studs can be bonded on the under or upper side of the base. Used for hanging panels, insulation, battery chargers, cabinets, through deck mounts, upholstery bolsters and many other uses.

## 304 Stainless Steel Studs (#10-24) Thread

- ST125-1024-8SS : .50" tall
- ST125-1024-12SS : .75" tall
- ST125-1024-16SS : 1.0" tall
- ST125-1024-20SS : 1.25" tall
- ST125-1024-24SS : 1.5" tall
- ST125-1024-28SS : 1.75" tall
- ST125-1024-32SS : 2.00" tall
- ST125-1024-36SS : 2.25" tall
- ST125-1024-40SS : 2.50" tall



With a #10-24 thread, these 304 studs are ideal for mounting wire clamps and securing items which require a smaller stud diameter. The substrate determines the adhesive. This is a structural part 500 Lbs. of tensile strength and 650 Lbs. in shear. Maximum torque load is 60 inch/Lbs. Please note that all of our studs can be bonded from either surface of the base plate.

## 304 Stainless Steel Studs (#8-32) Thread

- PS62-832-8SS : .50" tall
- PS62-832-12SS : .75" tall
- PS62-832-16SS : 1.0" tall
- PS62-832-20SS : 1.25" tall
- PS62-832-24SS : 1.5" tall



Our 304 small stainless steel panel studs have a wide range of uses. Dash panels, consoles, electrical panels, and anchoring cushion clamps are some of the most popular applications. The substrate determines the adhesive. The base plate is 0.62" in diameter. Tensile strength is 300 lbs., shear 375 lbs.

## 304 Stainless Steel Heavy Load Studs

- HS200-51618-24SS : 1.5" tall
- HS200-3816-12SS : .75" tall
- HS200-3816-16SS : 1" tall
- HS200-3816-246SS : 1.5" tall
- HS200-3816-32SS : 2" tall



Our HS200 stud is designed for heavy load applications such as mounting filters, panels and signs. The stud is inertial (friction) welded to the baseplate creating a very strong part. The base plate is 2.0" in diameter. These studs are manufactured of 304 stainless steel. Tensile strength is 1,200 lbs. and shear strength is 1,500 Lbs. The substrate and application determine the adhesive.

# Inventory Items In Stock - Our Parts

## 304 Blind Threaded Standoff

- SOB125-1024-12SS: 0.75" Tall
- SOB125-1420-12SS: 0.75" Tall
- SOB125-51618-12SS: 0.75" Tall



Our stainless steel female threaded standoff mounts to virtually any surface. These standoffs are .75" tall with a 1.25" diameter base. Like our studs, these parts can be bonded to either the upper or lower base surface. Use for thorough deck mounting of hardware or anywhere you need a fixed female thread. Maximum torque load is 90 inch/Lbs.

## 316 Thru Threaded Standoff

- SOT125-1024-12SS : .75" tall
- SOT125-1420-12SS : .75" tall
- SOT125-51618-12SS : .75" tall



The SOT series standoffs have a thread which runs all the way through the barrel of the standoff. This allows the standoff to be mounted from either side of the base. These parts are manufactured of 304 stainless steel. The bases are all 1.25" in diameter and we have a variety of thread sizes available. Maximum torque load is 90 inch/Lbs.

## Hose & Cable Clamps

Our Weld Mount clamps are available as single or double units. Each is hinged and designed to be mounted using our 1/4" x 20. The chart below details the stud required for each size clamp. The clamps are manufactured of black polypropylene and are temperature rated for -22° F to +194° F continuous service. These clamps are available at a per piece price with no minimum quantities or at a reduced price based on purchase of bag quantities.



Single Hose / Cable Clamps				
AT PART #	HOSE OD	STUD REQUIRED	CLAMP DIMENSIONS (L x W x D)	REC. CLAMP SPACING
SHC-250	0.250" (1/4")	ST125-1420-12SS	0.87" x 0.47" x 0.41"	3 feet
SHC-375	0.375" (3/8")	ST125-1420-16SS	1.06" x 0.63" x 0.56"	3 feet
SHC-500	0.500" (1/2")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet
SHC-625	0.625" (5/8")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet
SHC-750	0.750" (3/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	4 feet
SHC-1000	1.000" (1 1/8")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	5 feet

Double Hose / Cable Clamps				
AT PART #	HOSE OD	STUD REQUIRED	CLAMP DIMENSIONS (L x W x D)	REC. CLAMP SPACING
DHC-250	0.250" (1/4")	ST125-1420-12SS	1.22" x 0.47" x 0.41"	3 feet
DHC-375	0.375" (3/8")	ST125-1420-16SS	1.54" x 0.63" x 0.57"	3 feet
DHC-500	0.500" (1/2")	ST125-1420-20SS	2.08" x 0.79" x 0.89"	4 feet
DHC-625	0.625" (5/8")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet
DHC-750	0.750" (3/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	4 feet
DHC-1000	1.000" (1 1/8")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	5 feet

## 304 Stainless Steel Floating Nut Plates

- FN1420SS : SS Floating Nut Plate with #1/4 - 20 Threads
- FN1024SS : SS Floating Nut Plate with #10 - 24 Threads
- FN832SS : SS Floating Nut Plate with #8 - 32 Threads



Our floating nut plate is designed for thru hole and blind mounting applications. The rubber fixture holds the part in place while it is bonded in place with acrylic adhesive. The fixture keeps the threads clean during installation. Remove the rubber fixture when you are ready to make up the assembly. The threaded nut floats allow for accurate bolt alignment. Nut plates eliminate tapping saving significant labor costs.

## Cosmetic Stud Covers for ST125 Stainless Steel Studs

- SC-1420 : White Stud Cover for 1/4 x 20 Studs
- SC-1024 : White Stud Cover for #10 x 24 Studs



Used to fit over the stud and cover the 1.25" base for a clean white appearance.

## IW-1024 Insulation Washer

Weld Mount now offers a 3" polypropylene insulation washer for use with our ST125-1024 stainless steel studs. Chose a stud 1/4" longer than blanket thickness and secure in place with a nyloc nut.



**STOP WELDING**  
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**STOP TAPPING**

Learn more about boat building materials we have.