

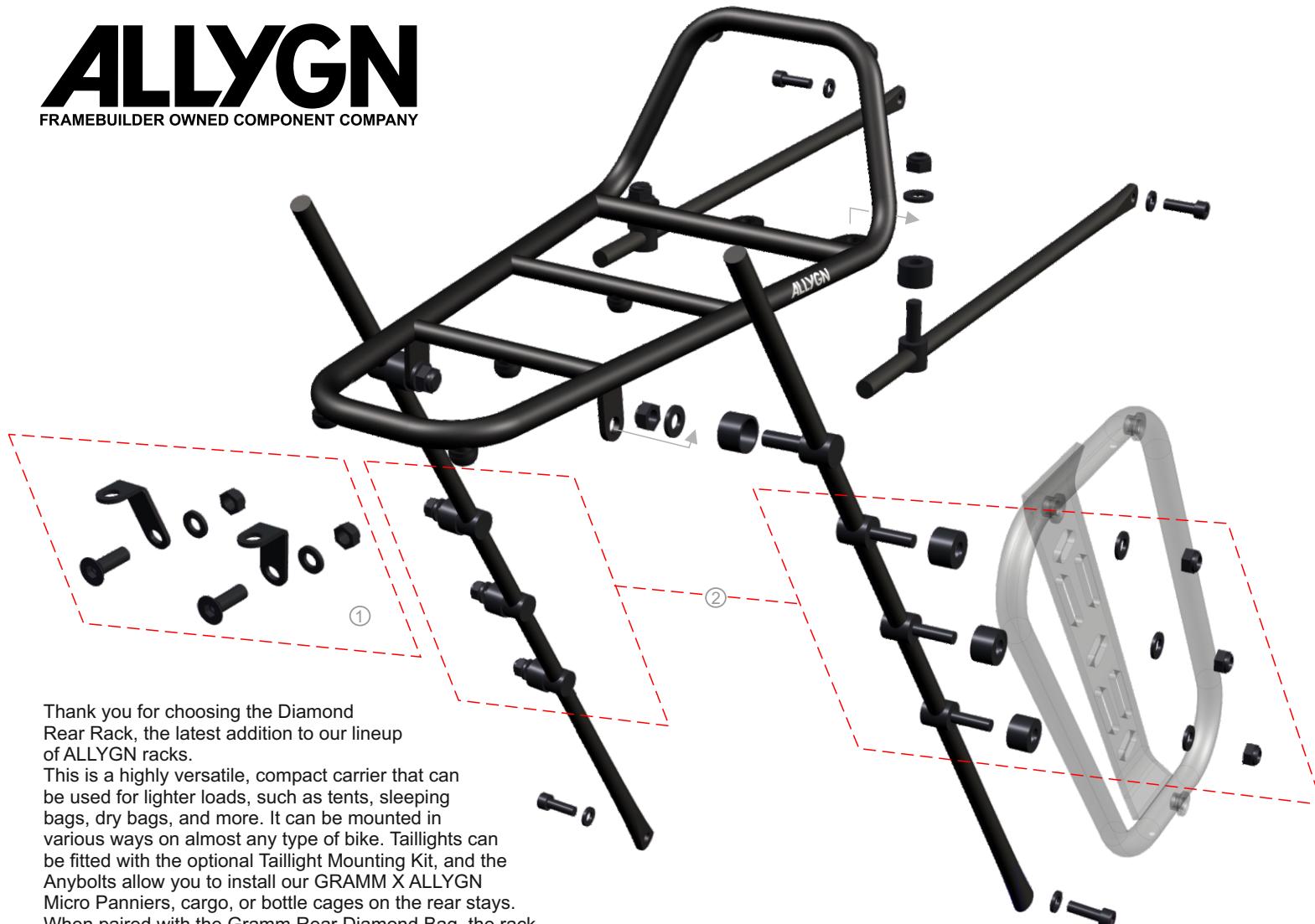
DIAMOND REAR RACK

# ALLYGN

FRAMEBUILDER OWNED COMPONENT COMPANY



ALLYGN.DE



Thank you for choosing the Diamond Rear Rack, the latest addition to our lineup of ALLYGN racks.

This is a highly versatile, compact carrier that can be used for lighter loads, such as tents, sleeping bags, dry bags, and more. It can be mounted in various ways on almost any type of bike. Taillights can be fitted with the optional Taillight Mounting Kit, and the Anybolts allow you to install our GRAMM X ALLYGN Micro Panniers, cargo, or bottle cages on the rear stays. When paired with the Gramm Rear Diamond Bag, the rack serves as a rigid platform and can replace your classic seat bag.

## FEATURES

- Rack made from strong, thin-wall 25CrMo4 tubing
- All bolts and hardware made from rust-free stainless steel
- Aluminum rack stays
- Multiple mounting options
- 6 x M5 accessory mounts
- Optional cage and light mounts
- Internal light cable routing
- Maximum load: 7 kg
- Weight:  
Rack platform: 235 g  
Stays (uncut): 195 g  
Mounting hardware: 75 g  
Anybolts (optional): 80 g  
Taillight mounts (optional): 15 g

Mount the rack, pack your stuff and go out for a ride!

## TOOLS YOU NEED:



## INCLUDED PARTS

- 1 x ALLYGN Diamond Rear Rack
- 2 x Long stays, 480 mm
- 2 x Short stays, 270 mm
- 5 x Stay-end rubber plugs
- 4 x M6 eyebolts
- 4 x Barrel washers
- 4 x M6 washers
- 4 x M6 nuts
- 4 x M5 x 16 mm bolts
- 4 x M5 washers

## OPTIONAL PARTS:

- ① ALLYGN Taillight Mounting Kit
- ② ALLYGN Anybolt Cage Mounting Kit

1	Hacksaw	6	3 mm and 4 mm Allen keys
2	Threadlocker	7	TX25 Torx key (lightmount)
3	Vise or clamp	8	8 mm wrench (Anybolts)
4	File or sandpaper	9	10 mm wrench
5	Marker		

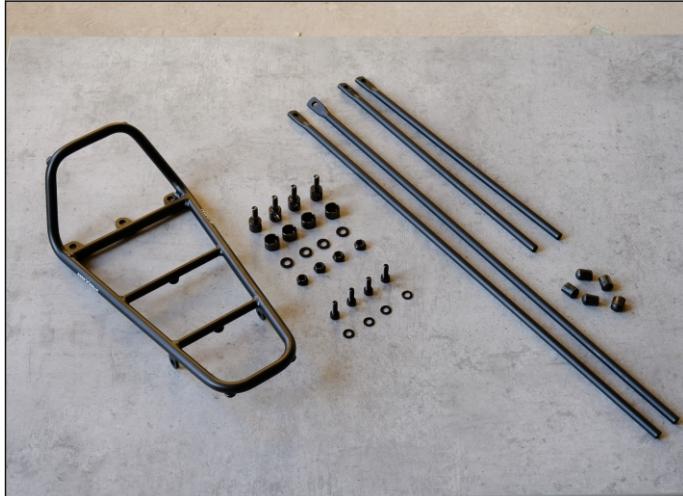
## ⚠️ WARNING!

Installation of the rear rack is only suitable for skilled bicycle mechanics. You can seriously injure yourself, so always wear appropriate safety equipment. Incorrect installation may cause serious damage to your bike and pose a health risk.

Always check with the manufacturer of your bike frame whether the provided mounting points are suitable for a rack. Do not exceed the maximum load or the recommended tightening torque.

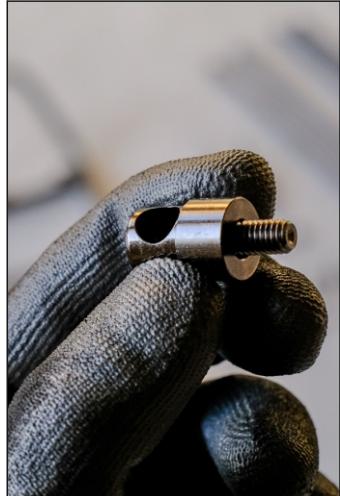
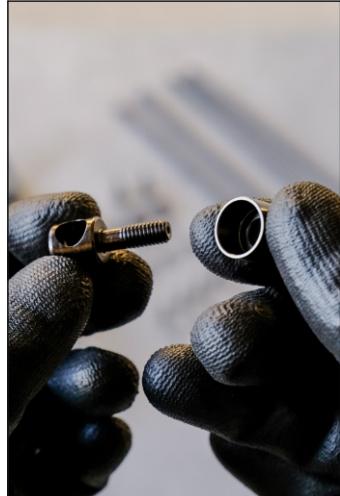
If you have any problems installing the rack on your bike, visit your local bike shop - they will be happy to help.  
**SUPPORT YOUR LOCAL BIKE BUSINESS!**

## 1 GET PREPARED



Unpack the rack and hardware. Organize all small parts and separate the M6 and M5 bolts. Make sure you have all the required tools.

## 2 INSTALL THE EYEBOLTS



Insert the M6 eyebolt into the barrel washer. Make sure it is oriented correctly.



Loosely install all four M6 eyebolts on the rack. Ensure they are mounted as shown in the picture above (bottom view).



The eyebolts must be installed like this:  
M6 eyebolt – barrel washer – rack – M6 washer – M6 nut

## 3 INSTALL THE REAR STAYS



Preinstall the short rack stays at the rear of the rack. If the rack is positioned close to the seat tube, it may be necessary to roughly cut the stays so they can rotate freely during installation without interfering with the rear stay mounts.

## 4 INSTALL THE RACK



Mount the rack loosely to the rear of the bike. Check which angle and distance to the seat tube best suit your needs. The rack should be mounted as close to the seat tube as possible, but make sure that your inner thighs do not touch when the rack is loaded.

## 5 INSTALL THE REAR STAYS



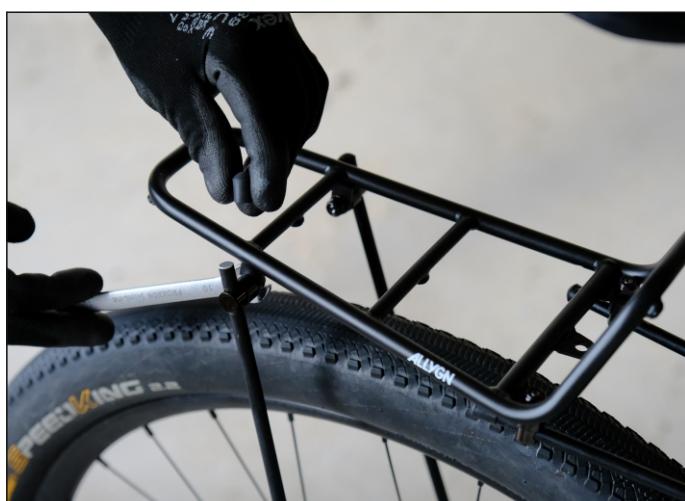
Install the long rear stays on both sides. Gently tighten all nuts and bolts.  
**IMPORTANT:** If you feel any strain or tension, carefully bend the stays or stay ends so that the rack can be installed without placing stress on the rack's or the bike frame's mounting points.

## 6 MARK THE STAYS



Once you are sure the rack is in the perfect position, mark the stays approximately 14 mm behind the eyebolt. Then disassemble the rack stays again.

## 8 REINSTALL THE RACK



Reinstall the rack stays and apply a small amount of threadlocker to the M5 bolts that connect the rack to the bike. Fully tighten all nuts and bolts. Install the rubber caps on the stay ends. Glue them in place with a drop of superglue to prevent losing them (one spare cap is included).



Step back and check all angles. Make sure the rack is centered nicely over the tire.

## 7 CUT THE STAYS



Cut all stays to the correct length. File or sand the stay ends and remove any burrs or sharp edges.

...AND FINALLY, YOU ARE READY TO RACK'N'ROLL!



Happy riding! After the first ride, confirm that all nuts and bolts are still tight and check them regularly. Check out the matching Gramm Diamond Rear Bag at: [www.gramm-tourpacking.com](http://www.gramm-tourpacking.com)

## ALTERNATIVE MOUNTING OPTIONS



You can use the rack's center mount if your frame only has a single bridge eyelet. Canti studs can also be used for mounting. The aluminum rack stays can be bent for more complicated mounting situations. Bend them slowly and avoid repeated bending, as this may cause them to break.

## ALLYGN TAILLIGHT KIT (optional hardware)



Taillights with 50 mm mounting spacing can be attached using the optional Taillight Mounting Kit. Other lights, such as the EdelMü, can be mounted using a single L-bracket rotated 90 degrees.

## ALLYGN ANYBOLT KIT (optional hardware)



With the optional ALLYGN Anybolt Kit, you can easily mount our GRAMM x ALLYGN Micro Pannier system, cargo cages or additional bottle cages to the rack. Slide the M5 eyebolts onto the rear stays, insert the barrel washers, place the rack or cage, and loosely secure everything using the M5 washers and nuts. You can freely position and rotate the mount. Once the desired position is found, tighten the nuts securely. Remember: this is a lightweight rack and is not intended for loads exceeding 7 kg total.

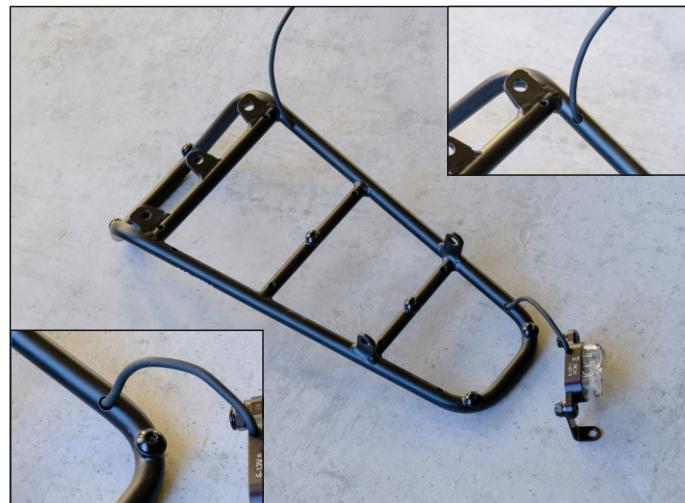
## P-CLAMPS (optional hardware)



If your frame does not have mounts on the seat stays or dropouts, you can use our optional P-clamps. Always use protective tape to protect the bike frame. Don't use the P-Clamps on carbon frames, they may destroy your frame.

There are also dedicated seatpost clamps with rack eyelets available.

## INTERNAL CABLE ROUTING



Guide the cables through the holes on the underside of the rack so they cannot be damaged when using straps around the rack tubes.

## PROTECT YA RACK



We deliberately chose a hard-wearing coating for the rack, but it will wear over time with use. Our optional 10 mm 3M Helitape strip is ideal for protecting the rack tubes from wear. Alternatively, gaffer tape or electrical tape can be used. If the paint is damaged and bare metal becomes visible, simply apply a small amount of oil to prevent rust. Light surface rust will not seriously damage the rack.

**Please understand that we cannot offer a warranty on the rack's paint.**



Find the latest manuals and info on  
the product page at [www.allygn.de](http://www.allygn.de)