RASE

Rapid Adjust Seatpost

RASEBIKE.COM
For questions, comments or
to order Call: 1-978-961-1684

THE ULTIMATE MTB SEATPOST

THE MOST CONTROL AND THE MOST POWER OF ANY SEATPOST

- Can be fully lowered for maximum maneuverability

- Adjusts to many middle positions for quickly changing terrain

- Instantly rises to a personally pre-set maximum height for full leg extension and power

- Instantly raises/lowers “on the fly” up to a full nine (9) inches and locks securely into place at 20 optional intervals.
- Can be pre-set to stop at a rider’s personally set maximum seat height.
- Is constructed of lightweight but incredibly strong 7075 Aluminum with a Teflon Hard Coat, “Black Mamba” finish.
- Operates easily from a highly accessible , Mini Index Shifter that is positioned on the handlebar.
- Is currently available in four sizes: 27.2mm, 30.0mm, 30.9mm and 31.6mm. Custom sizes available on request.

100% Made In U.S.A.

A good reason to fully lower the seatpost for maximum maneuverability.

Weight: 595 grams(27.2mm sleeve)

Total Length: 400mm (back of post length)

Color: Hard Coat -Teflon Black

Minimum Length: 50mm(2 inches) from frame to seat rails

Highly Dirt Proof: Built with a hydraulic wiper seal with post cover


Seat Rail Clamp
Clamp Base Screws
Seat Clamp Base
Mini Index Shifter
Seat Rail Clamp Screw
RASE
Lock opening
Cable housing
Sleeve Collar
Sleeve Section

Instructions

It is very important to read all instructions before operating the Rapid Adjust Seatpost. Through following the instructions for use of the Rapid Adjust Seatpost, this product is designed to give the cyclist greater control and safety.

Failure to follow all product specifications and instructions for this product may cause injury or death to the user. Mountain Biking is an inherently dangerous sport. Always wear a helmet and use caution.

Product Specifications

In order for the Rapid Adjust Seatpost to fully fit and lower within a frame, at least 350mm of a seatpost must be capable of being inserted into a given frame. Fully inserting a standard 380mm or 400mm seatpost into a bicycle frame seat tube will also indicate that the Rapid Adjust Seatpost will fit.

The RASE Mini Index Finger Shifter is designed to be positioned right up against the cyclists grip, extending forward from the handlebar. In this position the lever is highly accessible to the cyclists Index finger, yet it is out of the way of other operations .

The Rapid Adjust Seatpost is designed to be used with a saddle that weighs less then 350 grams and has horizontally set rails, making the rails near parallel to the top surface of the saddle.

This product has been designed to be highly dirt proof, with a dirt seal to keep most debris out of the sleeve. Applying a light coat of lubricant onto the post before each ride helps small pieces of dirt to shed off the post. Regular wiping off of all dirt is best for maintaining maximum performance.

Use of the Post Cover will help to keep all debris out of the post mechanics and thereby ensure the safest and most consistent operation from the device.

Cyclists should avoid accidentally pulling on the cable housing at any time, as this will cause the seat to instantly rise.

Although the RASE Post has been tested out for use with riders at 300Lbs, The Rapid Adjust Seatpost presently has a 250 pound rider weight limit.

Always leave the seat in its highest set position when not in use. The device is meant to be activated only when a cyclist has risen just off the seat by under a quarter inch, or when an individual has one hand firmly placed on the mounted seat. Never position ones face over the seatpost at any time.

The Rapid Adjust Seatpost comes with a 40” long cable and its 38” long housing. This length works well on most bikes. If a longer cable is needed please let us know when ordering.

The Rapid Adjust Seatpost has a maximum range of 9" of adjustability and is able to be pre-set, with the **Max Height Set Screw,** to instantly stop at a riders preferred maximum seat height, with up to 19 other locking positions in-between.

Minimum post height: 2" (50mm) from the cycle frame to the seat rails.

Maximum post length: 400mm (measured from the back of the post-setback clamp)

Total Weight: 595 grams (27.2mm width)

Frame Limitations

Different frame builders may present varying obstacles within the fame seat tube. Many obstacles may limit the seatpost operation such as an interrupted seat tube or even water bottle cage mount screw nuts.
Check with the bicycle manufacturer to see if the bikes water bottle cage mount screw nuts are designed to easily break off with little force applied from within the seat tube. Water bottle cage screw nuts placed within the seat tube may need to be removed before placing the Rapid Adjust Seatpost into the frame. If the screws and their nuts are not removed, the main spring of the Rapid Adjust Seatpost may become damaged. Not all water bottle cage screw nuts can be removed as this might damage some bicycle frames. Any issues of frame limitations or alterations must be brought up and discussed with the bikes manufacturer before positioning the Rapid Adjust Seatpost within a given bicycle frame.
Caution: The Rapid Adjust Seatpost should not be used in any bicycle frame where there is any interference with the seatpost, while the seatpost is fully lowered within the seat tube of the bicycle frame.

Use

Descending on steep and bumpy terrain can be highly challenging. The Rapid Adjust Seatpost enables the rider to lower the seat before encountering such challenging terrain.
This lower seat position gives the cyclist a lower center of gravity for increased maneuverability and braking to keep the cyclist from flipping the bike and crashing.

While riding over challenging rocks or simply descending on a fire road, the **lowest seat height** gives the rider the greatest confidence and control. **Mid-height** settings on the post can be used where the terrain is less challenging and changes more often.

The Rapid Adjust Seatpost, can then **instantly raise to a cyclists exact maximum height**, where the most power and efficiency is produced.

Operation

The unit is remotely operated from the Mini Index Shifter that is positioned on the handlebars. Actuating the Index shifter pulls the locking pin from the seatpost holes and allows the main post spring to raise the seatpost. To change the seat height while riding the bicycle, the cyclist should begin in the seated position. The cyclist should rise to just off the saddle and pull the RASE Index Shifter, causing the seatpost to rise. The cyclist should then either rise up to bring the seat to a middle or highest set position or possibly lower the seat by carefully sitting down on the seat. Releasing the Index Shifter will allow the seatpost to lock into it's new position.

When lowering the seatpost, be sure to apply pressure in the direction of the seat tube and not just directly downward. This technique for maintaining smooth operation should become second nature after only a few initial rides.

Caution: Do not raise the seat while descending on challenging terrain or while performing any sort of challenging maneuver. The cyclist should be sure that the seatpost is locked into a preferred lower position before riding on any challenging terrain. Never pull the actuating lever while positioned more then a quarter inch off the saddle.

Installing the Rapid Adjust Seatpost on a bike

The Rapid Adjust Seatpost should be installed by a qualified bike mechanic.
Caution: Keep face at least two feet away from the Rapid Adjust Seatpost at all times. Keep the Seatpost top pointed away from the users entire body while setting up, adjusting or simply looking over the device as any accidental pulling of the cable/lock device may cause the sleeve section and the seatpost to rapidly move away from each other. Furthermore, avoid holding the seatpost below the sleeve as any accidental releasing of the lock device will cause the sleeve to shoot to the bottom of the seatpost.

First check to see if the Rapid Adjust Seatpost is compatible with the given bicycle frame by fully inserting a standard 380mm seatpost into the seat tube, to be sure the are no interruptions or obstacles within the seat tube that could damage the post or the cycle frame.

Completely insert the sleeve section of the entire Rapid Adjust Seatpost assembly into the seat tube of the bicycle frame and tighten the bikes seat clamp, to hold the post assembly firmly in the bicycle frame. The seatpost should be at it's highest position. Yet, if the seatpost is not at it's highest position, be careful that any pulling on the cable housing could cause the seatpost to rapidly rise.

The right side Mini Index Shifter must now be brought to the left of the bike stem. The housing for the Index Shifter must be positioned alongside (in similar contour) the cable housing for the right side gear shifters. The Mini Index Shifter is then positioned generally on the right hand side of the handle bars, placed next to the grip, with the use of a 3mm Allen wrench.

The Mini Index Finger Shifter should extend forward off the handle bars and be positioned next to the grip.
The brake levers should already be out of the way, being pointed more towards the ground at a 45 degree angle where they are more accessible for the cyclist. In this configuration the seatposts Index Shifter should be easily distinguishable from the brake lever.

The Left Side Mini Index Shifter is simply brought around the right of the Stem and positioned on the left side of the handlebars. **The Longer RASE Shifters** should be positioned away from the Grip, allowing at least the Brake Lever to be positioned closer to the Grip, to thereby avoid any interference with the Brake Lever. Do not position any RASE Shifter on the tapered section of the handlebars as this may damage the RASE Shifter or the handlebars.

Caution: If the cyclist is not completely capable of distinguishing the various operational levers and shifters from each other then the user should not use this product. If the RASE Index Shifter interferes with the operation of the brake lever or shifter, then change to a gear shifter or brake lever that does not create any interference.

Four adhesive housing guides/clamps made by Jagwire are provided. At least two adhesive clamps must be used to hold the cable in place. One of the provided adhesive clamps is placed on the top tube of the bike about four inches back from the front of the top tube. The second clamp is positioned about eight inches in front of the seat post, on the top tube of the bicycle frame, to further hold the housing in place.

Adjusting the Maximum Height Set Screw

Raising the seat to the highest possible position gives the cyclist the most power from the bike. Every person needs to find their own seat height where they are the most comfortable. The Rapid Adjust Seatpost can be adjusted to stop at a persons favored maximum height.
The process for adjusting the Max height set screw is:

1. Ride the bicycle with the Rapid Adjust Seatpost fully inserted and clamped into the frame. Check over the device that everything is operating properly.

2. The cyclist needs to find their maximum preferred seat height.

3. With the seatpost locked into the preferred maximum height, the bike is parked in place.

4. The adhesive cable clamps are opened using a small, flat head screwdriver, which allows the seatpost assembly to be removed from the bicycle seat tube.
   Hold the seatpost either by the sleeve section or above the sleeve section. Don't hold the post below the sleeve as any pulling on the cable may release the sleeve section to shoot down and injure the users hand.

   When removing the seatpost be sure not to pull on the cable and housing whatsoever as the maximum height position must first be established. Always keep the post pointed away from the user or anyone else. No one should ever have their face closer then two feet from the top of the seatpost.

5. Place the seatpost assembly on a flat surface where the cable is not being pulled on.

6. Note the location of the post hole that is just below the lock section by looking through the sleeve sight opening.
   To note the location of the post hole position, simply measure the distance up from the bottom of the post.

7. Turn the seatpost upside down with the saddle resting on a solid surface. Hold on to the sleeve section with one hand while pulling the RASE Index Shifter with the other hand. While the RASE lever is being pulled, push the sleeve section to the middle of the post.

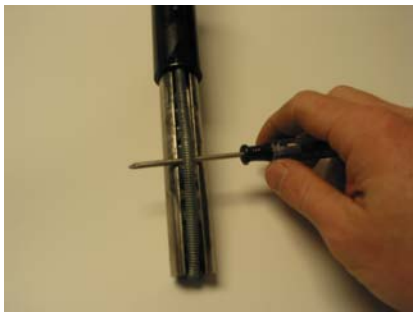
8. Let go of the RASE Index Shifter to lock the sleeve section into place.

9. Lie the seatpost back down with the seat front pointed upward.

Caution: Full eye and face protection should be used while changing the Max Height Set Screw by anyone in the vicinity of this operation. Any accidental pulling of the cable could cause the sleeve section to shoot down and possibly propel the screw driver or allen wrench at a dangerously high speed.

10. The tip of a medium sized Flat head screwdriver is placed in the side of the post front key way, near to where the max height set screw is located.
    The tip of the screwdriver then is positioned under the spring.

    The spring is then leveraged up to where the screwdriver is then positioned across the front of the post. Further leveraging of the screwdriver will push the spring to the side and make room for adjusting the set screw.
    Do not lift the spring any further then needed or damage may be done to the main spring.



11. While holding the main spring just out of the way, the maximum height set screw is removed with the use of a 5/32" allen wrench, from it's starting hole and screwed tightly into the marked hole to reset the cyclists maximum set height. Pull out the screw driver.
    Caution; The max height set screw must be positioned within the post and not left out.

12. While holding on to the upper section of the sleeve, turn the seatpost upside down, back onto the seat top once again. Pull the RASE Index Shifter and allow the sleeve section to rise up to it's new maximum height position.

13. Completely insert the seatpost into the bicycle seat tube until it is limited by the sleeve collar section and firmly clamp the seatpost assembly into place.

14. Re-attach housing guides so they are securely holding the cable housing in position.

15. Now that the cyclists maximum seat height has been set, the cyclist again can rise to just off the saddle and then pull the Index Shifter to lower the seat height.
    Releasing the Index Shifter will then allow the locking pin to lock the seatpost into a new position.

Shortening the Cable

This operation should only be performed by a professional bicycle mechanic.

Only change the cable length if it is definitely required. The Rapid Adjust Seatpost should fit onto most bikes without the need to shorten the length of the cable and housing. If adjusting the cable length is definitely needed, be sure the housing length is cut to a similar contour, from the handlebars to the frame top tube as the right brake cable housing. If the housing for the RASE actuator cable is to short the bike will not be able to fully turn and may cause the seatpost to unlock and rise when turning.

1. Be sure to start with the post at full height and the locking pin **fully locked** into the seatpost.
2. Loosen and remove the cable clamp set screw in the lever using a 3mm" Allen wrench.
3. Re-position the cable housing up to the lever to gage the housings new length.
4. Carefully cut off frayed section of cable to create a non-frayed cable end.
5. Open the housing clamps, that may have been positioned on the cycle frame, and pull the cable through the housing to allow cutting of the housing without cutting the cable.
6. Cut the housing to the new length and use a small file to reopen the cable housing. Always keep a protective ferrule on each end of the cable housing, and be sure all ferrules are firmly positioned.
7. Bring the cable back through the housing and position the cable end section back into the lever clamp. The housing must be firmly positioned within the Index Shifters base opening at one end and firmly positioned within the seatpost lock opening at the housings other end.
8. Trim off any cable that is extending out of the end of the lever section by noting the extra length, removing the cable from the shifter, carefully cutting off any extra cable(being sure not to cause any fraying).
9. Do not cut any more cable then needed as cable is required within the lever section for the clamping screw to tighten upon.
10. Be positive that each end of the housing is fully inserted into both the lock opening and the shifter opening while tightening the cable clamp set screw within the lever.

Caution: Cutting the cable too short will require the device to be returned and a new cable with locking pin to be installed for a small charge. Always cut the cable with a sharp and strong device to leave a clean cut , without any fraying of the cable. Once the cable has been clamped on or has become frayed at all, that section cannot be brought back into the cable housing.

Installation and Adjustment of Saddle

1. The seat rail clamp is designed for use with 7mm size rails only.
2. Loosen rail clamp to allow seat rails to be positioned within rail groves.
3. Loosely tighten rail clamp and adjust the saddle top to a horizontal position. Adjust the fore-aft position of the saddle.
4. Fully torque rail clamp bolt with a 5mm Allen wrench to hold saddle in place.
5. Check rail clamp bolt before every ride to be sure that it is fully tightened.

Positioning the Post Cover

Remove the seat rail clamps, not the Clamp Base, and slide the cover over the seatpost. Loosen and lift the sleeve section from the cycle frame by one inch. Lightly tighten the seat tube clamp to temporarily hold the post assembly in place. Pull the Velcro section of the post cover over the sleeves collar section and attach the Velcro just under the cable housing. The seat tube clamp can now be loosened and the seatpost should be pressed down to compress the velcro strapping. Pressing down on the Velcro strapping will keep the seat tube clamp of the frame from possibly binding the seatpost. The cover should be pulled just out of the way of the seat clamp operations. The seat clamp can then be re-positioned on the top of the post.

General Maintenance and Troubleshooting

Without the use of the post cover, the entire seatpost assembly should be cleaned off and get a light coat of lubricant such as Pedro's ChainJ oil or other light oil before each ride. The lubricant keeps small particles from building up and causing the post to stick. Be sure the seat rail clamp is securely tightened before each ride.

Over tightening the seat collar clamp can cause the post to bind. The sleeve section should be clamped on enough to hold the post securely in place, yet not enough to cause the post to bind.

If either of the two screws that hold the clamp base to the post seem loose, then the seat rail clamp must be temporarily removed and the two clamp base screws must be fully tightened.

Keeping the front post holes, where the locking pin locks into, lubricated with Pedro's ChainJ oil or any other light oil, will keep the post from making a creaking sound as the pin moves slightly while the bike is ridden.

Please discontinue use and call us if a seatpost appears damaged, cracked or does not seem to be working properly. The seatpost should be returned to be fixed if a solution is not easily found.

The adhesive, cable housing clamps may pull on the paintwork and decals of the bicycle. Do not use these clamps if you are concerned about such possible damage. Non-adhesive tie downs can be used, provided they are set firmly enough not to move.

General Use Guidelines

The Rapid Adjust Seatpost is meant to give the rider greater safety and control over the bicycle. Do not raise the seatpost while riding on challenging terrain that requires a lower center of gravity. Lower and lock the Rapid Adjust Seatpost before encountering any challenging terrain.

The raised post positions are meant only for gaining maximum efficiency from the bike. Most frame manufacturers of both ridged and full suspension frames, state that the cyclist should not remain seated while the bike is absorbing moderate to heavy impacts, as this may cause damage to the frame and to the cyclist. Similarly, we agree that the rider should not remain seated while riding over terrain that transfers moderate to heavy impacts to the bicycle and therefore to the Rapid Adjust Seatpost. Such riding could result in an injury to the rider and damage to the seatpost or bicycle frame.

Warranty and Return Policy

Rapid Adjust Seatposts (All Models)- 30 Day Money Back Guarantee:

We feel so confident that you will like your Rapid Adjust Seatpost that we offer a thirty (30) day money back guarantee. If you are not completely satisfied, you may return the seatpost for your money back. However, please note that in order to receive a full refund (less the cost of shipping), the seatpost must be returned postage prepaid within seven (7) days from your thirty (30) day anniversary of when your seatpost was delivered to you. Also, a refund will not be issued if the product has been subject to damage due to improper installation; rocks, crashes and/or dents; unreasonable use; improper maintainence; modifications and/or shipping damages or loss.

Rapid Adjust Seatposts (All Models)- One-Year Limited Warranty:

Your new Rapid Adjust Seatpost is warrantied to the original consumer against defects of workmanship and materials for a period of one (1) year from the original purchase date. Should there be a defect or malfunction of this product, RASE Components, LLC will repair or replace the product, at RASE's option, free of charge. This warranty does not cover the labor cost of component removal or reassembly associated with a warranty claim, nor does it cover costs of shipping to RASE. RASE, however, will cover return shipping and handling costs for all valid warranty claims. All warranty coverage is based on the product being properly installed, used and maintained as is detailed in the Instruction Manual provided with your seatpost and available online at www.rasebike.com.

This warranty is void if the product has been subject to unreasonable use, improper maintainence, or other causes not arising from defects in original material or workmanship. This warranty is also void when damage to the seatpost has occurred from the following:

- Abuse
- Poor bike hygiene
- Damage to the exterior finish caused by improper installation, rocks, crashes and/or dents
- Modifications
- Shipping damages or loss (purchase of full value insurance is recommended)

This warranty does not include adjustments, parts or repairs required by circumstances beyond the control of RASE Components, LLC. Normal wear and tear is not covered by this limited warranty.

RASE Components, LLC wants you to enjoy your seatpost to the fullest. Therefore, we want to make dealing with a warranty issue as painless as possible. In order to provide a fair and reasonable warranty program, we need you, the customer, to be fair and reasonable as well. So, if you damaged your seatpost as a result of crashing or improper maintenance, just be honest and let us know what happened. We will work with you to minimize the cost of repairs so you can get right back out on the trails without depleting your bank account.

There are no expressed warranties other than those stated herein. Any expressed or implied warranties, including but not limited to merchantability and fitness for a particular purpose are limited to the above one-year warranty period. Rase Components, LLC shall not be liable for any incidental or consequential cost, expenses or damages resulting from any failure defect or malfunction of this product.

Some States do not allow the exclusion or limitations of implied warranties or consequential damages; therefore, the above limitations may not apply to you. This warranty grants you specific legal rights, and you may also have other rights that vary from State to State.

Rapid Adjust Seatposts (All Models) - Return Instructions:

Return of a product, for any reason, must be associated with a Return Authorization Number (RA number). An RA number can be obtained by contacting RASE Componets, LLC directly at 603-474-1274 or warranty@rasebike.com. RASE Components, LLC will not accept responsibility for any seatposts returned to RASE Components, LLC without an RA number. If returning a seatpost, please follow theses simple instructions:

1. Remove the product from your bike.

2. Carefully package the product in a sturdy cardboard box. Please note that RASE Components, LLC will not be held responsible for damage to products caused by improper packaging.

3. Mark the Return Authorization Number clearly on the outside of the box and address as follows:

   RA# (Fill in Number)
   RASE Components, LLC
   5 Fanaras Drive, Unit B
   Salisbury, MA 01952

For any questions or comments E-mail austin@rasebike.com or call 1-978-961-1684.