



ADVANCED SUSPENSION TECHNOLOGY



**MOUNTAIN BIKE**





## HISTORY

Ever since the company was founded in 1976, Öhlins has represented the very pinnacle of suspension technology and firmly rooted itself as an intricate part of the motorsport industry, underpinning countless world titles. That very technology has subsequently been adopted not only as the gold standard of aftermarket suspension, but is also by car and motorcycle manufacturers around the world.

Back in the 1960's, Kenth Öhlin was an up-and-coming motocross rider and showed an innate talent for mechanics. He knew how to bring the best out of his material and soon he saw himself engaged in modifying his competitor's bikes. By the time he started his business he had already designed exhaust pipes, engines and – of course – shock absorbers.

Öhlins soon became synonymous with advanced suspension. The products were not only superior in terms of technology, but as Mr. Öhlin was, and is, a very meticulous man the quality was always outstanding. The first world championship was won already in 1978, as Russian Gennady Moiseev took the 250cc title on an Öhlins equipped KTM. Since then, more than another 350 world titles have followed. The success continued in road racing and soon also in the automotive segment, in racing as well as in rally, all adding to the motorsport pedigree. But don't think that Öhlins was content, not for a minute. The company continued to grow, adding electronically controlled, semi-active suspension to its portfolio under the trademark CES. Today, this technology has revolutionized the car industry and can be found in a wide range of products from premium car manufacturers.

In the 1980's, Öhlins' achievements got the attention of industrial giants and in 1987, Öhlins was acquired by Yamaha. Under the Japanese ownership, Öhlins had the necessary financial stability to develop into a dominating player in the industry. Twenty years later, Öhlins was considered better off on its own legs and Kenth Öhlin regained the company he once had started.



PASSION,  
PERFORMANCE,  
PERFECTION





# OTHER PRODUCT AREAS



ROAD & TRACK



MOTORSPORT



MOTORCYCLE



MX & ENDURO



# ÖHLINS

## FACTORY RACING

Öhlins was created for the need to go faster, to win races. The track provides a catalyst for all our products, no matter if it's Loic Bruni on a World Cup track or Niko Vink pushing his fest lines bigger and bigger. The devil is in the details and it shows in the differences.





# PRODUCT OVERVIEW

## FORK PRODUCTS



29" • 27,5"

ÖHLINS DH38  
RACE FORK



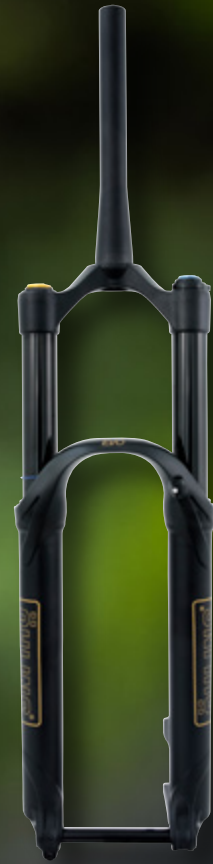
29" • 27,5"

ÖHLINS RXF36 m.2  
COIL TRAIL FORK



29" • 27,5"

ÖHLINS RXF36 m.2  
AIR TRAIL FORK



29" / 27,5" • COIL / AIR

ÖHLINS RXF36 EVO  
FRONT FORK



29" / 27,5" • AIR

ÖHLINS RXF34  
FRONT FORK



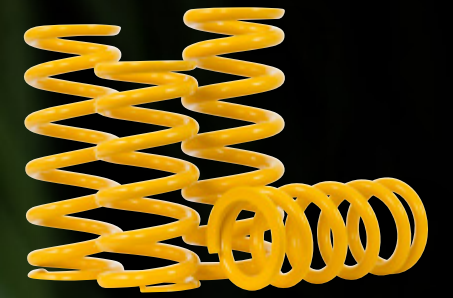
ÖHLINS TTX18  
CARTRIDGE KIT



# PRODUCT OVERVIEW

## SHOCK ABSORBERS

LIGHT WEIGHT  
SPRING SERIES



ÖHLINS TTX AIR  
SHOCK ABSORBER



ÖHLINS TTX AIR TRUNNION  
SHOCK ABSORBER



ÖHLINS STX22 AIR  
SHOCK ABSORBER



ÖHLINS TTX22M  
SHOCK ABSORBER



ÖHLINS TTX22M TRUNNION  
SHOCK ABSORBER



ÖHLINS TTX22M PIGGYBACK  
SHOCK ABSORBER



# ÖHLINS PRODUCTS FOR SPECIALIZED

Working with Specialized challenges us to take shock technology to a higher level, to create, not adapt. After countless hours of testing, fine tuning of spring curves and shim stacks, the result is a shock specifically dedicated to a frame and wheel size. Our products will make you feel like the pro you really are, offering confidence, control and the best riding experience. A match made in heaven or just the ultimate ride? You decide!



ÖHLINS TTX22M  
SHOCK ABSORBER



ÖHLINS TTX AIR  
SHOCK ABSORBER



ÖHLINS STX22 AIR  
SHOCK ABSORBER



# SHOCK ABSORBERS







# ÖHLINS TTX AIR

## SHOCK ABSORBER

The ultimate performer in a lighter weight package, by combining the superior damping function of the TTX system together with a completely new air spring design it was possible to improve both performance as well as robustness.

Highly versatile, highly durable and lightweight do not usually come hand in hand but with the introduction of the metric sizing, it allowed us to design a new air shock from a blank sheet. We took everything we learned from the legendary TTX22M coil shock and combined it with a robust air spring.



### TOP FEATURES

- > TTX-technology
- > Air spring volume spacers included in kit
- > Metric 190/210/230/250 mm lengths
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode





# ÖHLINS TTX AIR TRUNNION SHOCK ABSORBER

The ultimate performer with lighter weight trunnion cylinder head by combining the superior damping function of the TTX system together with a completely new air spring design. Making it possible to improve both performance as well as robustness.

Highly versatile, highly durable and lightweight do not usually come hand in hand but with the introduction of the metric sizing, it allowed us to design a new air shock from a blank sheet. We took everything we learned from the legendary TTX22M coil shock and combined it with a robust air spring.

## TOP FEATURES

- > TTX-technology
- > Air spring volume spacers included in kit
- > Metric 165/185/205/225 mm lengths
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode







# ÖHLINS STX22 AIR SHOCK ABSORBER

Where light weight of a cross country shock meets the control of a downhill bike. After analysing the demands on an air springs for Enduro bikes, the Öhlins STX-technology was the answer. Thanks to the lower damping levels compared to a coil sprung Downhill shock, a less complex product has been developed that still maintains high-performance functionality and offer ride efficiency without losing any downhill control.

A one-piece damper shaft and cylinder head cuts weight to a minimum combined with 22 mm piston and a large compression valve that ensures the highest wheel traction without the weight penalty.

The result is initial suppleness supported by mid-stroke control and that extra bottom out resistance coming from air spring characteristics. It is also possible to tune the spring curve by adding or removing volume spacers or additional oil in the positive air chamber for a more progressive or a linear feel.

## TOP FEATURES

- > STX-technology
- > One piece body and reservoir for minimum weight whilst maintaining maximum strength
- > Air spring volume spacers included in kit
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Weight starting at 340 g











# ÖHLINS TTX22M

## SHOCK ABSORBER

For the rider who wants the ultimate performance without any compromises. The TTX22M shock absorber is designed to handle everything from World Cup downhill tracks, Fest Line gaps and Enduro World Series tracks, due to its robust design and superior damping performance.

The twin tube design allows the gas pressure to act on both sides of the piston to ensure consistent damping performance on any type of terrain and unmatched damping response, to give outstanding control of the bike and tire movements.

Low and high speed compression and rebound damping are externally adjustable. Enduro shocks feature the climb mode. 3rd position on high speed adjuster increase compression damping to reduce suspension movements during less technical climbs. Side by side cylinder head layout ensure maximum clearance for water bottle and tool storage whilst also having the largest surface area for heat dissipation. We have developed new springs for the TTX22M and decreased the weight by 25-30%.

### TOP FEATURES

- > TTX-technology
- > All lengths (metric and legacy)
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode on Enduro lengths







# ÖHLINS TTX22M TRUNNION SHOCK ABSORBER

Ever since the launch of the Öhlins TTX22M, the shock absorber has created a buzz within the bike industry. Riders have praised the shock from the time it was released. Now available with a trunnion cylinder head in all metric sizes.

For the rider that wants ultimate performance and no compromises. The TTX22M shock absorber is designed to handle everything, World Cup downhill tracks, Fest Line gaps and Enduro World Series tracks due to its robust design and superior damping performance.

The twin tube design allows the gas pressure to act on both sides of the piston to ensure consistent damping performance on any type of terrain and unmatched damping response to give outstanding control of the bike and tire movements. We have developed new springs for the TTX22M Trunnion and decreased the weight by 25-30%.

## TOP FEATURES

- > TTX-technology
- > All lengths (metric)
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode on Enduro lengths





# ÖHLINS TTX22M PIGGYBACK SHOCK ABSORBER

World Cup downhill performance in a package to suit any bike, the damper that simply makes you faster, ride harder and constantly look for rougher sections. For rides you never thought were possible. Flow through that section where death grips and a prayers were the only option, the limits you had, no longer exist.

The twin tube design allows the gas pressure to act on both sides of the piston to ensure consistent damping performance on any type of terrain and unmatched damping response to give outstanding control of the bike and tire movements.

Low and high speed compression and rebound damping are externally adjustable. Enduro shocks feature the climb mode. 3rd position on high speed adjuster increase compression damping to reduce suspension movements during less technical climbs. Inline cylinder head layout is ideal for bikes with restrictive linkage space.

## TOP FEATURES

- > TTX-technology
- > All lengths (legacy)
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode on Enduro lengths







## LIGHT WEIGHT SPRINGS SERIES

The new generation spring series, race ready weight with big mountain strength. Advanced technology featuring multi-step surface treatment process as well as cutting edge heat treatments and wire materials allows us to stress the wire harder without causing damage to the spring and therefore design lighter springs. 4 Nm/23 lbs increments.







# FORK PRODUCTS







# ÖHLINS DH38

## RACE FORK

Everything about this Öhlins DH38 Race Fork is fast. When races are decided by seconds, there's no room for errors. Equipped with Öhlins TTX18 cartridge kit featuring downhill-optimized 18 mm piston the DH38 Race Fork handles small bumps effortless.

Increased damping pressure bandwidth to achieve improvements in damping valve response and sensitivity. The adjustment range specifically for gravity use both race and park but also for e-bikes. Twin piston three chamber air spring system, isolated from the upper tubes to reduced head build up and featuring Total Tune Spring Curve System (TTSC) allowing total air spring tuning from the initial movement through to the bottom out.

### TOP FEATURES

- > TTX-technology
- > Offset 46/50/54/58
- > 180/200 mm travel (Convertible down to 120 mm)
- > Compatible maximum tire sizes 29 x 2.8 and 27.5 x 3.0
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound









# ÖHLINS RXF36 m.2 29"

## COIL TRAIL FORK

Bigger, badder and bolder. We started from the inside with a new TTX18 cartridge kit based on the downhill version. Upgraded to give optimal traction and control on both trails and Enduro courses.

Want coil like feeling? Well, get a coil fork, our new lighter weight coil and up to 170 mm travel, less seals, less friction, no shock pumps, feels the same no matter the altitude, the only true coil feeling. From there we moved to the chassis, new crowns and increased interface with the steerer for the fastest racers and biggest huckers and e-bikes (all our forks are e-bike ready), the lowers feature polished bushings, SKF seals, crisp new graphics and take up to a monster truck size 2.8 tyre.

The adjustment range is set specifically for trail to Enduro race use with 15 clicks of low speed compression and low speed rebound. For high speed compression you get 3 clicks plus a climb mode setting.

### TOP FEATURES

- > TTX-technology
- > Offset 44/51
- > 120-170 mm travel
- > Compatible maximum tire sizes 29 x 2.8 and 27.5+ x 3.2
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound





# ÖHLINS RXF36 m.2 29"

## AIR TRAIL FORK

Bigger, badder and bolder. We started from the inside with a new TTX18 cartridge kit based on the downhill version. Upgraded to give optimal traction and control on both trails and Enduro courses.

Then fine tuned the air volumes in the air spring, decreased friction levels and now allow up to 180 mm travel. From there we moved to the chassis, new crowns and increased interface with the steerer for the fastest racers and biggest huckers and e-bikes (all our forks are e-bike ready), the lowers feature polished bushings, SKF seals, crisp new graphics and take up to a monster truck size 2.8 tyre.

The adjustment range is set specifically for trail to Enduro race use with 15 clicks of low speed compression and low speed rebound. For high speed compression you get 3 clicks plus a climb mode setting.

### TOP FEATURES

- > TTX-technology
- > Offset 44/51
- > 120-180 mm travel
- > Compatible maximum tire sizes 29 x 2.8 and 27.5+ x 3.2
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound





# ÖHLINS RXF36 m.2 27,5"

## COIL TRAIL FORK

Bigger, badder and bolder. We started from the inside with a new TTX18 cartridge kit based on the downhill version. Upgraded to give optimal traction and control on both trails and Enduro courses.

Want coil like feeling? Well, get a coil fork, our new lighter weight coil and up to 170 mm travel, less seals, less friction, no shock pumps, feels the same no matter the altitude, the only true coil feeling. From there we moved to the chassis, new crowns and increased interface with the steerer for the fastest racers and biggest huckers and e-bikes (all our forks are e-bike ready), the lowers feature polished bushings, SKF seals, crisp new graphics and take up to a monster truck size 2.8 tyre.

The adjustment range is set specifically for trail to Enduro race use with 15 clicks of low speed compression and low speed rebound. For high speed compression you get 3 clicks plus a climb mode setting.

### TOP FEATURES

- > TTX-technology
- > Offset 38/46
- > 120-170 mm travel
- > Compatible maximum tire sizes 27.5 x 2.8
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound





# ÖHLINS RXF36 m.2 27,5"

## AIR TRAIL FORK

Bigger, badder and bolder. We started from the inside with a new TTX18 cartridge kit based on the downhill version. Upgraded to give optimal traction and control on both trails and Enduro courses. Then fine tuned the air volumes in the air spring, decreased friction levels and now allow up to 180 mm travel. From there we moved to the chassis, new crowns and increased interface with the steerer for the fastest racers and biggest huckers and e-bikes (all our forks are e-bike ready), the lowers feature polished bushings, SKF seals, crisp new graphics and take up to a Monster truck size 2.8 tyre.

The adjustment range is set specifically for trail to Enduro race use with 15 clicks of low speed compression and low speed rebound. For high speed compression you get 3 clicks plus a climb mode setting.

### TOP FEATURES

- > TTX-technology
- > Offset 38/46
- > 120-180 mm travel
- > Compatible maximum tire sizes 27.5 x 2.8
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound







# ÖHLINS RXF36 EVO

## FRONT FORK

The EVO air spring gives you a super smooth feeling and an increased sensitivity, on small winding trails with roots and rocks it will help you keep momentum and control. When the ride gets rowdy, the TTX-technology (twin tube design) with separated oil flow and balanced internal pressure allows the fork to stay high in travel with maintained bump absorption, traction and stability. Low and high speed compression are externally adjustable and fully independent.

SKF seals with better performance in wet conditions and improved longevity. Adjusted bushing play to Enduro race team preferences.

### TOP FEATURES

- > TTX-technology
- > Offset 46 (27.5) / 51 (29 and 27.5+)
- > 120-170 mm travel
- > Available in coil or air version
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode







# ÖHLINS RXF34

## FRONT FORK

Superior chassis stiffness combined with next level ride support gives you the steering precision to take on whatever the trail puts in your way. Ride the line you always looked at, uphill or downhill, not more wasted energy just complete control.

The fork is available in 120 mm, 140 mm and 160 mm versions. The fork features a twin tube design and implements the Öhlins TTX-technology to the front end of the bike. The twin tube design enables parallel and separated oil flow which provides optimal pressure at all times. Controlling the pressure levels ensures initial smoothness and staying high in travel with maintained bump absorption, traction and stability.

Everything is brought together by a unique forged unicrown for high stiffness and the highest tire control with less chassis flex. This means our 34 mm fork has comparable stiffness to best 36 mm forks in the market.

### TOP FEATURES

- > TTX-technology
- > Offset 46
- > 120-160 mm travel
- > Non Boost
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound
- > Climb mode





# ÖHLINS TTX18

## CARTRIDGE KIT

You want World Champion winning performance in your current fork? No problem, our Öhlins DH race drop in damper available for Boxxer and 40 Downhill forks.

Öhlins TTX 18 cartridge kit featuring downhill-optimized 18 mm piston for improved small bump sensitivity. Increased damping pressure bandwidth to achieve improvements in damping valve response and sensitivity.

The adjustment range specifically for gravity use both race and park. 15 clicks of low speed compression and low speed rebound and 5 clicks of high-speed compression.

### TOP FEATURES

- > TTX-technology
- > 200 mm travel
- > 18 mm gravity optimized piston
- > Adjustable high speed compression
- > Adjustable low speed compression
- > Adjustable rebound



# ÖHLINS ORIGINAL MERCHANDISE

From the road to the comfort of your home - Öhlins have got you covered with our exclusive line of merchandise. With an assortment ranging from hoodies to beanies and practical tote bags, it's now possible to always have the true Öhlins feeling with you (or on you).

Designed, tested and scrutinized by our Öhlins crew we can guarantee that our products are high quality, durable and most important – extremely comfy and stylish. With a wide variety of sizes we have a fit for everyone. Stay on track, even off track with Öhlins merchandise as the perfect addition to your wardrobe.





# ÖHLINS STICKERS

Öhlins stickers range gives you the option to personalize your bike or shock. Stickers can be found through the Öhlins network.



**ÖHLINS BLUE/YELLOW MEDIUM**

**Part No:** 01196-02

**Size:** 74 x 28 mm



**ÖHLINS BLACK/WHITE**

**Part No:** 01196-01

**Size:** 74 x 28 mm



**ÖHLINS BLUE/YELLOW MEDIUM**

**Part No:** 11221-01

**Size:** 210 x 79 mm



**ÖHLINS RETRO BLACK**

**Part No:** 11221-04

**Size:** 63 x 47 mm



**Ö YELLOW SMALL**

**Part No:** 11221-08

**Size:** 17 x 32 mm



**Ö BLACK SMALL**

**Part No:** 11221-09

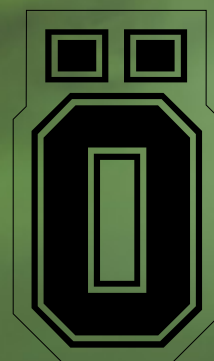
**Size:** 17 x 32 mm



**Ö YELLOW**

**Part No:** 11221-06

**Size:** 43 x 80 mm



**Ö BLACK**

**Part No:** 11221-07

**Size:** 43 x 80 mm



**ÖHLINS BLACK/WHITE MEDIUM**

**Part No:** 11221-02

**Size:** 210 x 79 mm



**ÖHLINS RETRO WHITE**

**Part No:** 11221-05

**Size:** 63 x 47 mm