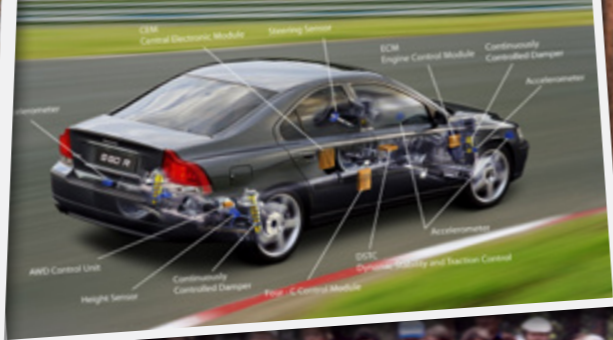




ADVANCED SUSPENSION TECHNOLOGY



**2019**  
**MX & ENDURO**  
**MOTORCYCLE**



## 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



MOUNTAIN BIKE

# 2019

# PRODUCT OVERVIEW

Tailor made for you! We have the perfect part for your bike, delivering outstanding performance at a competitive price. Öhlins manufactures more than 300 different shock absorber models, every one uniquely fitted to your bike and suited to fit without interfering. We make sure that the product behaves the way it should, through the design of the shim stacks and valves as well as the calibration of the adjusters. This is no guesswork. We try the settings out, in real life, and adjust them until everything works perfect for each and every specific model. Then we assemble the products with utmost precision to ensure superior control of the damping force. That is the key to our success.



**TTX 30**  
SHOCK ABSORBER



**STX 46**  
SHOCK ABSORBER



**TTX FLOW WITH PDS**  
SHOCK ABSORBER



**TTX FLOW**  
SHOCK ABSORBER



**STX 22**  
CARTRIDGE KIT



**TTX 22**  
CARTRIDGE KIT



**RXF 48 S**  
FRONT FORK



**SPRINGS**  
ACCESSORIES



**FLUIDS**  
ACCESSORIES



# FRONT END PRODUCTS





MX & ENDURO

## RXF 48 S

### FRONT FORK

With RXF 48 S, we are happy to provide our top level performance and offer the same components as used by Supercross pros. Our keywords have been **'stable, defined and settled without harshness'**. Our 2019 model continues with our proven dynamic performance gained in 2018 as well as our golden TiNitrde surface treatments on the lower fork legs for **best durability**, scratch resistance and low friction in high load situations.

The golden appearance with blue contrasts is our way of showing our Swedish origin.

#### TOP FEATURES

- > TTX-technology
- > Great dynamic performance
- > Gold colored surface treatment
- > Compression adjuster, angled for easy of reach
- > Rebound adjuster underneath the fork
- > Hydraulic stops for great bottoming resistance
- > Top-out springs and rubbers for smooth top out feeling
- > Gold and blue color scheme

MX &amp; ENDURO

# TTX 22 CARTRIDGE KIT

The same technology we equip our Öhlins front forks with is available as cartridge kits to be fitted in your bike's standard front forks. We continue with our proven performance from 2018, gained from redesign of internal valve parts and corresponding valving. We now offer **stability, hold-up, defined position**, defined front wheel feedback, settled movement and ability to handle bigger impacts as an easy upgrade to maximise your ride experience. Of course with our trade marks traction and **no harshness** untouched.

## TOP FEATURES

- > TTX-technology
- > Great dynamic performance
- > Compression adjuster, angled for easy of reach
- > Rebound adjuster underneath at the cartridge bottom
- > Hydraulic stops for great bottoming resistance
- > Top-out springs and rubbers for smooth top out feeling
- > Available for most major MX and Enduro models

**STX**

**MX & ENDURO**

# STX 22 CARTRIDGE KIT

Öhlins STX 22 cartridge kits share a lot of features from our big bike's kits and are powerful upgrades available for KTM/Husqvarna/Kawasaki 85cc and Yamaha 65cc. **Designed with racing in mind**, quick and continuous responses in damping are key features which directly slow down upcoming motions without harshness. STX 22 is designed to rise low above the triple clamps, allowing the forks to be mounted far up in the triple clamps with a small handlebar clearance. **Click adjusters and air breather are easily reachable** as they are angled out from underneath the handlebar.

## TOP FEATURES

- > STX-technology
- > Efficient hydraulic stop for improved bottoming resistance
- > Adjustable compression and rebound
- > Spring pressurized system to compensate for heat changes and provide reliable damping behavior
- > Converts Air-forks to spring type forks for better reliability and constant performance.
- > Full maintenance and service capability







# SHOCK ABSORBERS



TTX

MX & ENDURO

# TTX FLOW

## SHOCK ABSORBER

The TTX FLOW of 2019 follows in the footsteps of the 2018 version and further improves on component quality and specification. The TTX FLOW utilizes our patent pending FLOW-Valve technology giving you **improved traction, comfort and predictability**. Properties that boost your confidence and make you faster, while making your ride safer. The compression and rebound adjusters of the TTX FLOW provide you with effective, easy to use, tools to adapt your setup to different conditions. The TTX FLOW of 2019 lets you tap into all the latest knowledge that we have acquired from Enduro all the way Supercross.

### TOP FEATURES

- > TTX-technology
- > Patent pending FLOW valve dynamic control
- > Great bottoming resistance
- > Compression and rebound adjusters with indicators
- > Easy spring change due to unique spring clip design
- > Easy spring preload adjustment
- > Wide range of optional springs





MX & ENDURO

# TTX FLOW WITH PDS SHOCK ABSORBER

2019's PDS version for KTM EXC's has received model specific updates from previous year models. 2019's 3D-layout has been changed for easier access to the compression adjuster along with an additional step in bottoming control by a material change in the bump rubber. This change is to give a smoother transition and gentler bottoming feeling. Our 2019 version continues to use the well proven Position Damping System (PDS) from 2018 with its 2<sup>nd</sup> piston stepping in at the bottom part of the stroke for an increased damping level. As this shock is charged with our patent pending FLOW-valve technology, for **improved traction, comfort and predictability**, its rebound and effective compression adjusters have made it easy to find a great setup every day. This is where TTX FLOW shines.

## TOP FEATURES

- > TTX-technology
- > Patent pending FLOW valve dynamic control
- > Great bottoming resistance
- > Compression and rebound adjusters with indicators
- > Easy spring change due to unique spring clip design
- > Easy spring preload adjustment
- > Wide range of optional springs



STX

MX & ENDURO

# STX 46

## SHOCK ABSORBER

For the young and promising racers, we are offering our performance charged shock called STX 46. The shocks are fully adjustable with rebound, high- and low speed compression adjusters. Our 2019 shock continues with the successful **PDS design**, introduced at TTX Flow in 2018, providing smooth and gentle bottoming feeling. These shock's dynamics and settings are fine-tuned to be able to deliver what we have learned riders are asking for; Excellent comfort, stability and bottoming control to allow riding hard in the safest possible way.

### TOP FEATURES

- > STX-technology
- > Great dynamics equals optimum function
- > PDS design for smooth bottoming feeling
- > 2-way compression adjuster
- > Rebound adjuster
- > Wide range of low speed compression adjustment, 3 clicks high speed adjustment
- > Full maintenance and service capability





MX & ENDURO

# TTX 30

## SHOCK ABSORBER

Ohlins are proud to offer our family of shocks for 50 & 65 cc MX-bikes - TTX 30! Thanks to the small diameter the TTX-technology can be brought in a small package to fit these bikes. Having good suspension is vital when you begin and start honing your race craft and speed. **A comfortable performance driven shock absorber** means the rider can use less energy to go fast, giving better control, higher safety and of course in the end more energy towards the end of the race to fight for victories.

TOP FEATURES

- > TTX-technology
- > Compression and rebound adjusted separately
- > Different spring rates available
- > Full maintenance and service capability

MX & ENDURO

# SPRINGS

## ACCESSORIES



One of the most important aspects of tuning the suspension of the bike to your weight and riding style is to choose the correct spring. Öhlins offer a wide range of springs, not only for our own shock absorbers and front forks but also replacement springs for standard applications. Depending on use, different lengths and spring rates are available.

Öhlins experienced service centers are happy to help you in making the correct decision, as well as installing the springs.

MX & ENDURO

# FLUIDS

## ACCESSORIES



Needless to say, the fluid used in the shock is a crucial part of the performance. Leaving nothing to chance, we develop our own suspension fluids, using the more precise Centistoke scale of viscosity rather than the conventional SAE scale. But to help you out a little bit if cSt is not your thing, we did put a small number on the lower right corner of the bottle, to make a reference.

# 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