

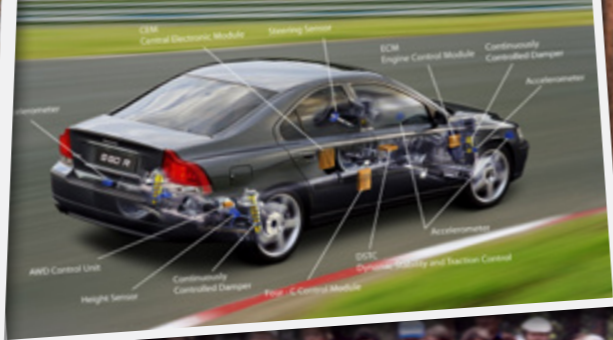


ADVANCED SUSPENSION TECHNOLOGY

**MX &  
ENDURO**



2020



## 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

2020

# 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**

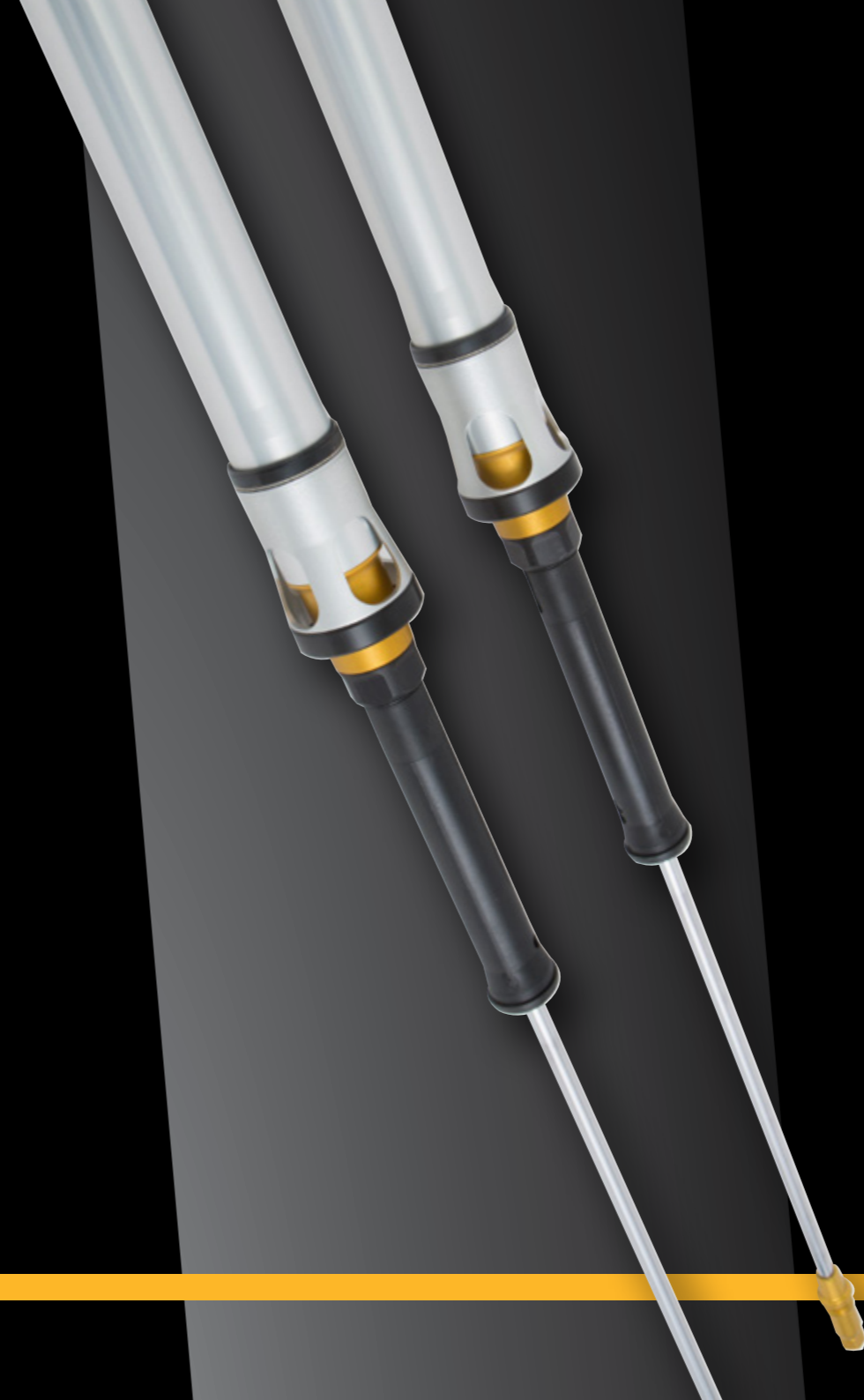
# RXF 48 S

## FRONT FORK

Experience top-level performance, just like the pro riders of the Enduro, Motocross, and Supercross series. Ohlins RXF 48 S takes your ride to another level, and with the 2020 updates you'll achieve faster lap times with smoother landings. With a refined micro finishing process applied to the TIN coating (Titanium-nitride) on the inner fork tubes, we've managed to reduce friction against both bushings and seals. Together with a new flex honing process of the inner tubes, the 2020 version of the RXF 48 S gives you a better contact area on the main spring. No matter what track you're racing, our updated RXF 48 S fork will help you conquer your toughest ride yet.

### TOP FEATURES

- > TTX-technology
- > Improved traction
- > More comfort
- > Higher definition front wheel feedback
- > Great dynamic performance
- > Gold colored surface treatment
- > Compression adjuster, angled for easy access
- > Rebound adjuster underneath the fork
- > Hydraulic stops for great bottoming resistance
- > Top out springs for greater progressive feel at the top of the stroke
- > Gold and blue color scheme



MX & ENDURO

# TTX 22 CARTRIDGE KIT

The same damping system technology, found in our Öhlins front forks, is also available as replacement cartridge kits for your standard front forks. Reduce bottom outs simply by installing the kits straight into your bike's front forks, while also improving stability, hold-up, higher definition front wheel feedback, settled movement, and ability to handle bigger impacts. When you take on the track, we want you to experience a ride out of the ordinary.

## TOP FEATURES

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



MX & ENDURO

# STX 22 CARTRIDGE KIT

Treat your 85cc motocross to an upgrade that lets you compete with the "big bikes". Öhlins STX 22 cartridge kits have similar features to our bigger bikes' cartridge kits and will give you improved performance with easy adjustability to fit your personal riding style. Our STX 22 cartridge kits are available for KTM, Husqvarna, Kawasaki, and Yamaha 85cc bikes, as well as for Yamaha 65cc.

## TOP FEATURES

- > STX-technology
- > Low profile top cap design making it possible to move the fork tubes far up the triple clamps
- > 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 capabilities







# SHOCK ABSORBERS





MX & ENDURO

# TTX FLOW

## SHOCK ABSORBER

The TTX Flow for 2020 has gone through a lot of changes to come up with the perfect formula to improve your riding experience. With our upgraded version you can say goodbye to the days of having to choose between bottoming resistance and chassis stability over traction and comfort. With Öhlins TTX Flow for 2020 you'll get the best of both worlds. Like that wasn't enough, we've made it easier for you to adjust the compression and rebound adjusters to suit for any riding conditions.

### TOP FEATURES

- > TTX-technology
- > New design of main piston and compression valve
- > Updated shim stack layout
- > 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 &amp; ENDURO

# TTX FLOW WITH PDS

## SHOCK ABSORBER

With the launch of the new generation KTM Enduro machines we've updated our TTX Flow for KTM EXC/EXC-F models to fit the bikes perfectly. The updated bike requires a new cylinder head, repositioning the gas reservoir and the compression adjuster. We made sure to take care of all those details to make your Enduro ride even better. The TTX Flow for 2020 comes with our Position Damping System (PDS) and an upgraded cylinder head for easier access to the compression adjuster which guarantees clearance between the shock absorber, frame, number plate, and airbox.

### TOP FEATURES

- > TTX-technology
- > New design of main piston and compression valve
- > Updated shim stack layout
- > 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

# STX 46

## SHOCK ABSORBER

We believe that great riders are made young and that's why we have expanded our 85cc program to include KTM, Husqvarna, Kawasaki, Yamaha, and Suzuki. All our applications for 2020 are upgraded and provides the best performance and adjustability. On top of that, our STX 46 for, the KTM 85cc comes equipped with our Position Damping System (PDS).

### TOP FEATURES

- > STX-technology
- > Great dynamics equal optimum function
- > Rebound adjuster
- > Wide range of low speed compression adjustment, 3 clicks high speed adjustment
- > Full maintenance and service capability
- > PDS design for progressive damping stroke end. (KT 2090 application only)





MX & ENDURO

# TTX 30

## SHOCK ABSORBER

A strong foundation is the key to success. We are excited to launch our TTX 30 line, a family of shocks for our youngest riders on the 50cc and 65cc MX-bikes. It might be smaller, but it packs the same performance and comfort as for the big bikes. The right suspension gives our young riders higher safety, better control, and the ability to go faster using less energy. You shouldn't put an age limit on performance!

### TOP FEATURES

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

MX & ENDURO

# FLUIDS & SPRINGS

## ACCESSORIES

The fluid used in our shocks is essential to our great performance. Here at Öhlins, we develop our own suspension fluids to make sure all our products achieve top quality. When tuning your bike's suspension to suit your weight and riding style, it's important to choose the right springs as well. We offer a wide range of springs for our off-road motorcycle program, and if you need help with installing the springs or have any other questions, Öhlins experienced service centers are happy to help you.



# 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

# FOR MORE CONTACT INFORMATION

Full information about which models Öhlins products are available for, please contact your local Öhlins distributor or visit

[www.ohlins.com/contact/distributors](http://www.ohlins.com/contact/distributors)

## AFRICA

**MAURITIUS** Ruben Racing Ltd.  
**SOUTH AFRICA**  
MP Custom Valve  
Hayward Suspension

## ASIA

**CHINA** Gusto Technik Performance Parts Co. Ltd.  
**HONG KONG**  
Gusto Technik Performance Parts Co. Ltd.  
**INDONESIA** PT. Madani Sentra Multi Jasa  
**JAPAN** Carrozzeria Japan Co. Ltd.  
**MALAYSIA** High N Lubricant SDN BHD  
**PHILIPPINES** Access Plus Group  
**SINGAPORE** Sporting Motors Pte Ltd.  
**SOUTH KOREA** Neobis Int Co. Ltd.  
**THAILAND** Öhlins Asia  
**TAIWAN** Capricore Trading Co. Ltd.  
**VIETNAM** Dai Hoang Gia HCM

## EUROPE

**AUSTRIA** Öhlins DTC  
**BELGIUM** Öhlins DTC  
**BOSNIA & HERZEGOVINA** Öhlins DTC  
**BULGARIA** Öhlins DTC  
**CROATIA** Öhlins DTC  
**CYPRUS** Extra Products  
**CZECH REPUBLIC** Öhlins DTC  
**DENMARK** Öhlins DTC  
**ESTONIA** Öhlins Northern Europe  
**FINLAND** Öhlins Northern Europe  
**FRANCE** PFP Racing  
**GERMANY** Öhlins DTC  
**GREECE** Extra Products  
**HUNGARY** Öhlins DTC  
**ICELAND** Öhlins DTC

**ITALY** Andreani Group International s.r.l  
**LATVIA** Öhlins Northern Europe  
**LITHUANIA** Öhlins Northern Europe  
**LUXEMBURG** Öhlins DTC  
**THE NETHERLANDS** Öhlins DTC  
**NORWAY** Öhlins Northern Europe  
**POLAND** FF-Sport  
**PORTUGAL** Andreani MHS Ibérica SL  
**REPUBLIC OF IRELAND** Öhlins DTC  
**ROMANIA** Öhlins DTC  
**RUSSIA** Öhlins Northern Europe  
**SERBIA** Öhlins DTC  
**SLOVAKIA** Öhlins DTC  
**SLOVENIA** Öhlins DTC  
**SPAIN** Andreani MHS Ibérica SL  
**SWEDEN** Motospeed AB  
**SWITZERLAND** 3W Motorsport  
**TURKEY** Öhlins DTC  
**UNITED KINGDOM** Öhlins DTC

## MIDDLE EAST

**DUBAI**  
Wheels of Arabia  
Automotive Design & Development  
**ISRAEL** Lee-Gal Motorbikes Ltd.  
**LEBANON** Lead Race Engineering

## NORTH & CENTRAL AMERICA

**CANADA** Öhlins USA Inc.  
**MEXICO**  
Accesorios DESA  
Impormotos S.A. de C.V.  
Ramfil S.A. de C.V.  
**USA** Öhlins USA Inc.

## PACIFIC

**AUSTRALIA** Öhlins Asia  
**NEW ZEALAND** Kiwi Suspension Solutions

## SOUTH AMERICA

**ARGENTINA** Alpes Racing  
**BRAZIL**  
APM - Associação dos Pilotos de Motocelocidade  
**CHILE** Alpes Racing  
**COLOMBIA** 12 Clicks  
**PARAGUAY** Alpes Racing  
**PERU** Cecchi Motorsports  
**URUGUAY** Alpes Racing





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