



# MOTORCYCLE

MX & ENDURO



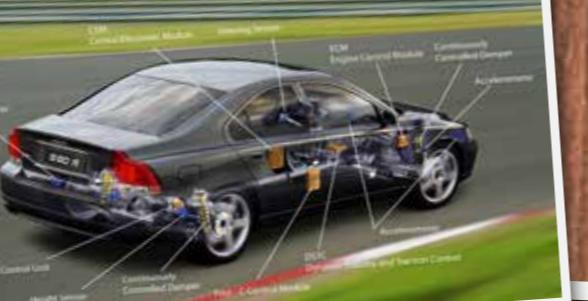
## HISTORY

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.

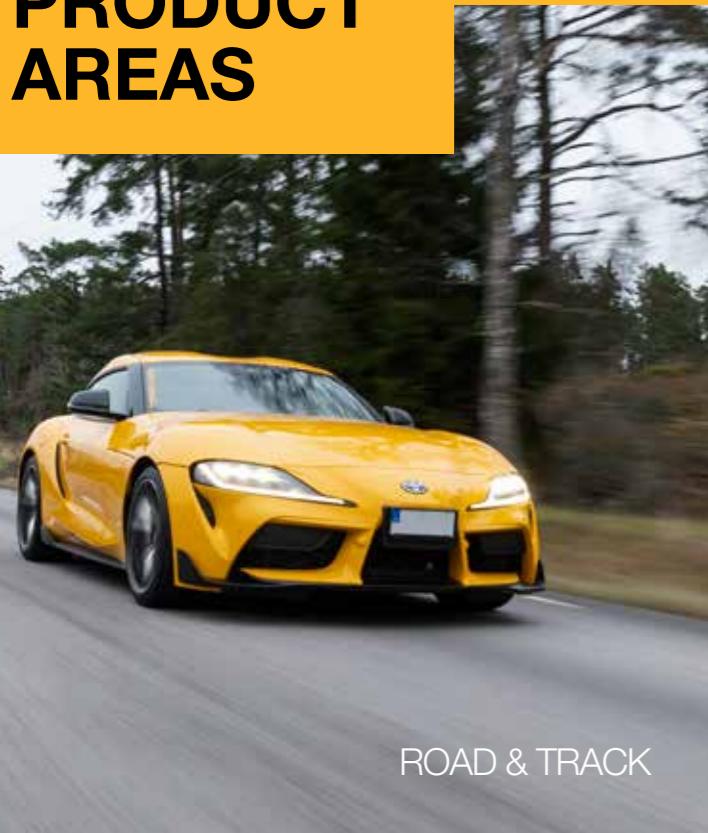
In the 1980's, Öhlins' achievements got the attention of industrial giants and in 1987, Öhlins was acquired by Yamaha. Under the Japanese ownership, Öhlins had the necessary financial stability to develop into a dominating player in the industry. Twenty years later, Öhlins was considered better off on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





ADVENTURE

## OTHER PRODUCT AREAS



ROAD & TRACK



ADVANCED TRACKDAY



MOUNTAIN BIKE



SNOWMOBILE



MOTORSPORT



ROAD & TRACK

# 2022 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



**FLUIDS**  
Accessories



**PRELOAD  
ADJUSTER**  
Accessories



**SPRINGS**  
Accessories

# FRONT END PRODUCTS

A close-up photograph of a motorcycle's front suspension forks. The forks are primarily gold-colored with blue accents. The brand name 'ÖHLINS' is printed vertically on the forks, along with 'EST. 1976' and 'PRESSURIZED SWEDEN'. The background shows parts of the motorcycle, including a red fender and a wheel.



## MX & ENDURO

# RXF 48 S

## Front Fork

Experience top-level performance, just like the pro riders of the Enduro, Motocross, and Supercross series. Öhlins RXF 48 S takes your ride to another level, and with the 2022 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, & new range of outer tubes to maximize bushing overlap on all models, the 2022 version of the RXF 48 S gives you better rider feedback. 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 &amp; 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 &amp; 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

A dynamic photograph of a motocross rider performing a wheelie on a red and yellow dirt bike. The rider is wearing black and red protective gear, including a helmet and goggles. The bike is suspended in mid-air, with its front wheel lifted high. The background shows a lush green forest under a bright blue sky with scattered white clouds.

# SHOCK ABSORBERS





MX &amp; ENDURO

## TTX FLOW DV

Shock Absorber

The TTX Flow DV for 2022 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 DV for 2022 you'll get the best of both worlds. The shock now includes a highly efficient High speed compression adjuster allowing you to adapt your setup to any track condition that comes along.

### TOP FEATURES

- > TTX-technology
- > New efficient high speed compression adjuster
- > New compression valve interface for optimal pressure control
- > New rebound needle and shaft jet design.
- > Stronger 16 mm shaft
- > Patented FLOW valve dynamic control
- > Great bottoming resistance
- > Easy spring change due to unique spring clip design
- > Wide range of optional springs

## MX &amp; ENDURO

# TTX FLOW DV WITH PDS

## Shock Absorber

With the launch of the new generation KTM Enduro machines we've updated our TTX Flow DV 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 DV for 2022 comes with our Progressive 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 efficient high speed compression adjuster
- > New compression valve interface for optimal pressure control
- > New rebound needle and shaft jet design.
- > Stronger 16 mm shaft
- > Patented FLOW valve dynamic control
- > Great bottoming resistance
- > Easy spring change due to unique spring clip design
- > Wide range of optional springs





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## 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 2022 are upgraded and provides the best performance and adjustability. On top of that, our STX 46 for the KTM 85cc comes equipped with our Progressive 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 2190 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 PRELOAD ADJUSTER

TTX FLOW DV ACCESSORY

For model year 2022 we are releasing a brand new spring preload device for the TTX flow DV series shock absorber to be purchased as an accessory part. The entire range of TTX Flow DV for 2022 is prepared to accept the adjuster together with all recommended spring rates.

The device is purely mechanical and uses a rack and pinion system to translate your adjustment into spring preload. Install the device at a recommended base preload level and with the easy use of an 8 mm Allen key you have 10 mm of available adjustment at your hands. The spring preload is one of the most powerful tools in your arsenal when setting up your bike and changing it between different track conditions. By installing the preload adjuster you will enable easy adjustment and therefore a better setup for your ride.

### TOP FEATURES

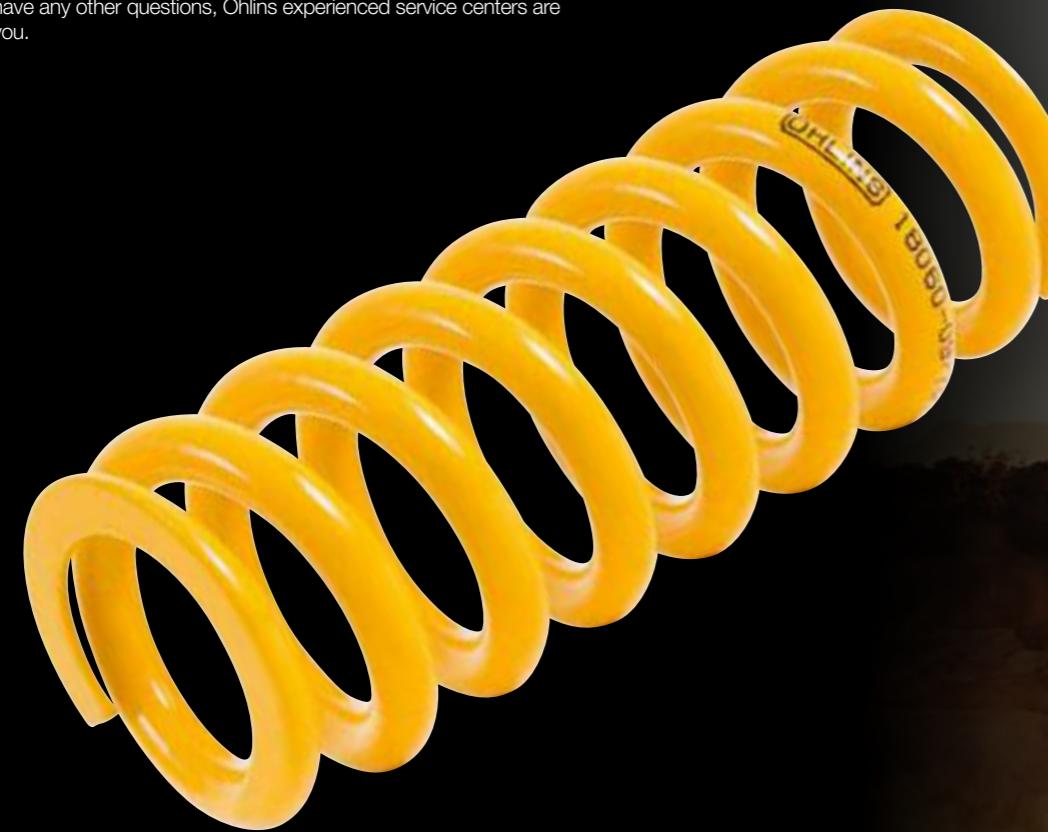
- > Fits all 2022 TTX Flow DV
- > Works together with all recommended spring rates
- > 10 mm adjustment range
- > Easy adjustment with 8 mm Allen key
- > Mechanical function with rack and pinion system
- > Enables easy adjustment of sag and rider position

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

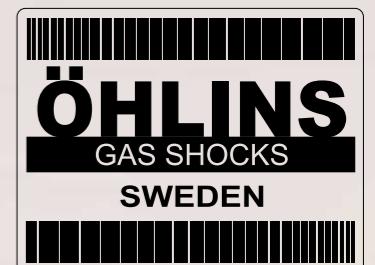
Size: 74 x 28 mm



ÖHLINS BLUE/YELLOW MEDIUM

Part No: 11221-01

Size: 210 x 79 mm



ÖHLINS RETRO BLACK

Part No: 11221-04

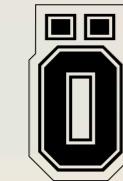
Size: 63 x 47 mm



Ö YELLOW SMALL

Part No: 11221-08

Size: 17 x 32 mm



Ö BLACK SMALL

Part No: 11221-09

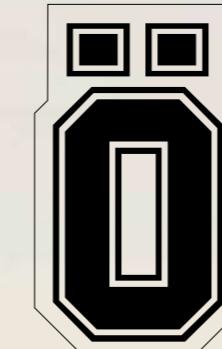
Size: 17 x 32 mm



Ö YELLOW

Part No: 11221-06

Size: 17 x 32 mm



Ö BLACK

Part No: 11221-07

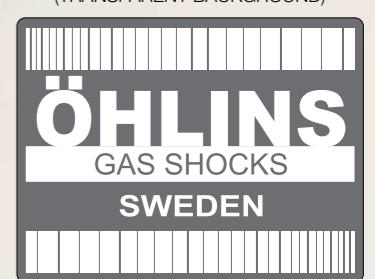
Size: 43 x 80 mm



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

## ASIA

**CHINA** Gusto Technik Performance Parts Co. Ltd.  
**HONG KONG** Gusto Technik Performance Parts Co. Ltd.  
**INDONESIA** PT. Madani Senta 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  
Öhlins Hoang Viet

## 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** Parts World AG

**TURKEY** Öhlins DTC

**UNITED KINGDOM** Öhlins DTC

## PACIFIC

**AUSTRALIA** Öhlins Asia

**NEW ZEALAND** Kiwi Suspension Solutions

## SOUTH AMERICA

**ARGENTINA** Alpes Racing

**BRAZIL**

APM - Associacao dos Pilotos de Motocelocidade

**CHILE** Alpes Racing

**COLOMBIA** 12 Clicks

**PARAGUAY** Alpes Racing

**PERU** Cecchi Motorsports

**URUGUAY** Alpes Racing

## MIDDLE EAST

**BAHRAIN** Wheels of Arabia

**UAE** Automotive Design & Development

## NORTH & CENTRAL AMERICA

**CANADA** Öhlins USA Inc.

**MEXICO**

Accesorios DESA

Impromotos S.A. de C.V.

Ramfil S.A. de C.V.

**USA** Öhlins USA Inc.



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