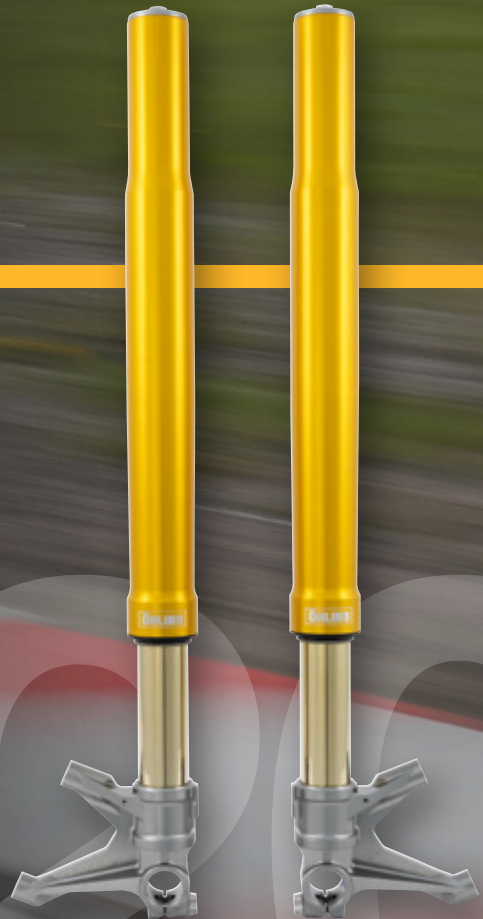




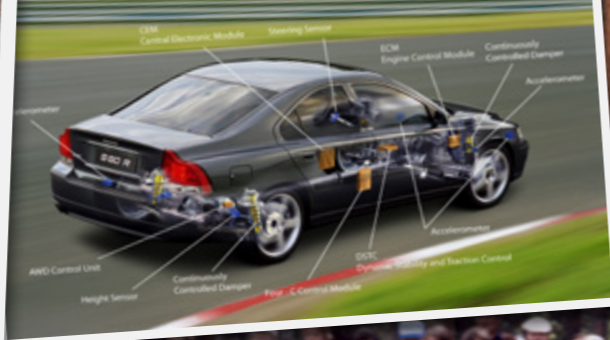
ADVANCED SUSPENSION TECHNOLOGY

# MOTORCYCLE ROAD & TRACK



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



MX & ENDURO



MOUNTAIN BIKE





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## ÖHLINS HALL OF FAME

Öhlins Racing won its first World Championship Title in 1978 with Gennady Moiseev in the 250cc Motocross championship. From that day, Öhlins has won world championships titles every year, first in Motocross, later in Superbike classes and Auto motorsport championships such as WRC with Mitsubishi, Endurance, VLN, GT-Racing, Touring cars and Formula racing series. 2017 Öhlins teamed up together with Specialized, the Mountainbike manufacturer, to challenge the best for the world title. Öhlins took the title in both the ladies and the men's championship the first time we participated. The rest is history..





## ÖHLINS TESTING & DEVELOPMENT

At Öhlins, we are serious about suspension. In fact, we live it and breathe it. The amount of engineering that goes into our products is simply staggering, every single product is tested and measured prior to production, in order to make sure you get the best performance possible. Think computer simulations, rig tests and evaluation on either race track or on the street. Or both. It may be the latest development for MotoGP or a new street application for your daily ride, our strict program applies to everything we do.

Öhlins are proud of the amount of engineering that are put in to our products. Remember, a large portion of our revenue is reinvested directly into research and development.

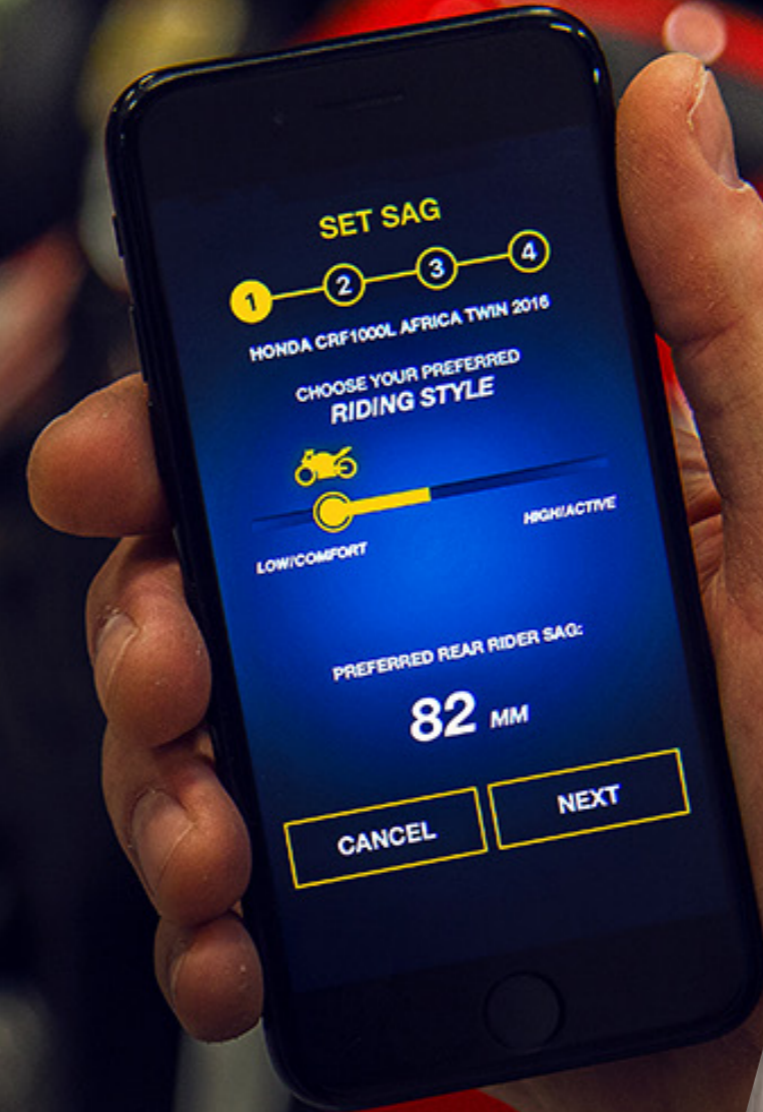
Not only that. In order for you to be sure to enjoy perfect performance from your Öhlins product for many years to come, every component is subject to a number of tests, from corrosion to fatigue resistance. And of course, our products are fully rebuildable should the day come.





# ÖHLINS SETUP APP

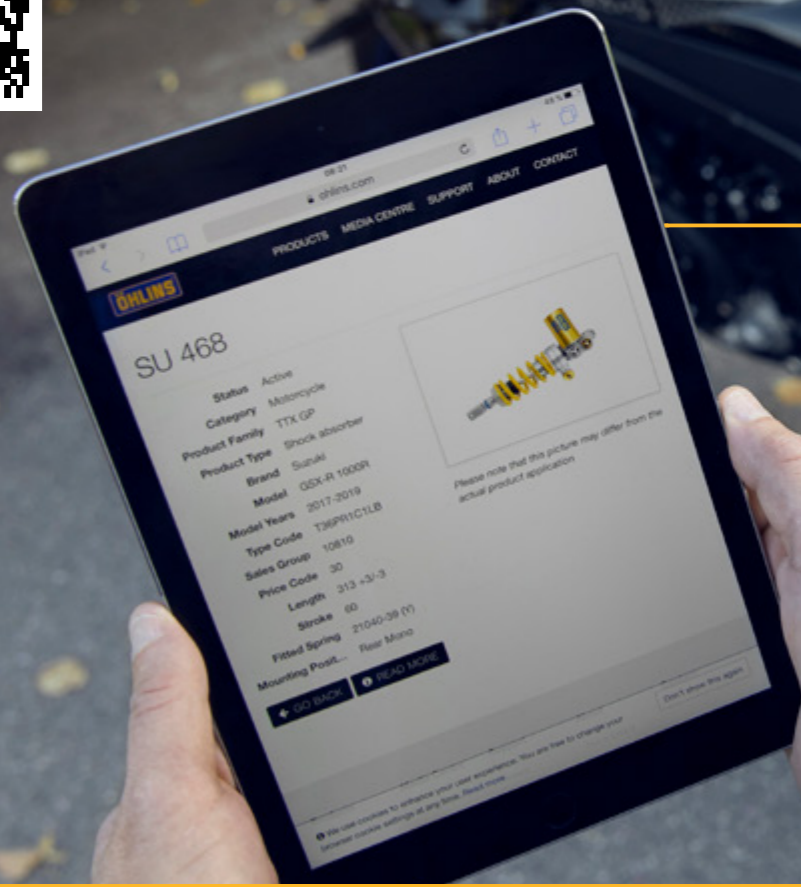
Did you know that you can easily optimize your bike set up with our app? Öhlins Set Up application helps you change your set up whether you are on your favorite track or road. Download it today!





# FIND YOUR ÖHLINS PRODUCT WITH PRODUCT SEARCH

Explore all our products for your bike with a few clicks. On our "Find your product" page at ohlins.com we've made it easy for you to type in your bikes make, model, and year to get a list of all the products we offer for your motorcycle.





# NEWS 2020



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SUPERSPORT**

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BLACKLINE  
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**STX 46 P BLACKLINE  
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**STX 46 DR1 BLACKLINE  
CUSTOM & HERITAGE**

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**STEERING DAMPER  
BLACKLINE  
CUSTOM & HERITAGE**

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# 2020 PRODUCT OVERVIEW

## FRONT END PRODUCTS

We at Öhlins specialize in custom-made products to excel your riding experience, whether on tarmac or gravel. Our front forks or cartridge kits will give you blistering performance and increased safety on all surfaces. Every model application found in our database has been in our factory for a custom fitment and test ride, ensuring perfect quality, performance and design. Our forks are not only one of the best performers on the market, in our opinion are also the best-looking forks out there.

### STEERING DAMPER TYPES



SD SD EC SD BLACKLINE

### CARTRIDGE KITS



FKR 100 CARTRIDGE KIT NIX 30 ADVENTURE CARTRIDGE KIT FKC 101 CARTRIDGE KIT FKC 102 CARTRIDGE KIT NIX 22 CARTRIDGE KIT NIX 30 CARTRIDGE KIT

### FRONT FORKS



FGR 300 FRONT FORK FGR 250 FRONT FORK FGRT 200 FRONT FORK FGRT 300 FRONT FORK

### FRONT FORKS



FRONT FORK ADVENTURE FRONT FORK RETRO 43 FRONT FORK CUSTOM USD 43 BLACKLINE FRONT FORK

### CARTRIDGE KITS



NIX 30 STREET CARTRIDGE KIT FSK 100 CARTRIDGE KIT FDK 100 CARTRIDGE KIT



# 2020 PRODUCT OVERVIEW

## SHOCK ABSORBERS

Öhlins shock absorbers come in a wide range of designs and functionality, with and without adjusters. We manufacture more than 300 different shock absorber models to more than 1000 applications. Our technology starts its life in high-end racing such as MotoGP or WSBK. From the racing world comes our aftermarket shock absorbers that use the components and functionality from our racing knowledge. Öhlins shocks will improve your grip, stability and give a huge boost to the bikes chassis performance.



**FLUIDS**  
ACCESSORIES



**SPRINGS**  
ACCESSORIES

### TYPE STX 36



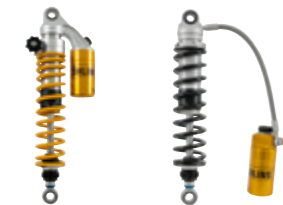
S36E S36D S36DR1L S36K

### TYPE STX 36 P



S36P S36PL S36PR1 S36PR1C1L

### TYPE STX 36 P



S36PR1C1LB S36HR1C1L

### TYPE TTX 36



T36PR1C1LS T36PR1C1LB T36PR4C4LS T36PR1C1L

### TYPE TTX 39



T39PR4C4S1 T39PR1C1S

### TYPE STX 46



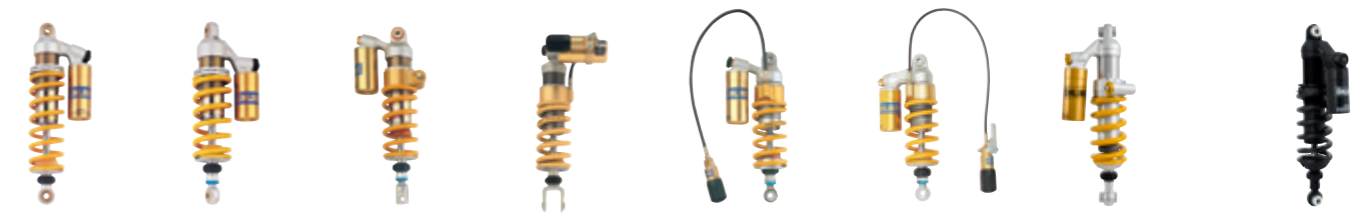
S46ER1/DR1 S46DR1L BLACKLINE S46DR1B S46ER1S / DR1S S46DR1LS S46DR1L / DR1LS CUSTOM S46DR1LB

### TYPE STX 46 H



S46HR1C1 S46HR1C1S S46HR1C1L S46HR1C1LS S46HR1C1B

### TYPE STX 46 P



S46PR1C1 S46PR1C1L S46PR1C1LB S46PR1C1S S46PR1C1LS S46PR1C2LS S46PR1C1B S46PR1C1L BLACKLINE



# ÖHLINS SHOCK ABSORBER TYPE CODE EXPLANATION

The type code exists so that it is possible to visualise the damper by reading the type code. Type code consists of first a letter followed by two digits that is followed of at least one letter. e.g. S36E.

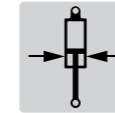


**T36PR1C1LB**

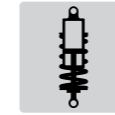
## SHOCK ABSORBER TYPE



**S, T**  
Single or twin tube design.



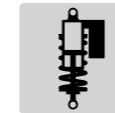
**30, 36, 39, 40, 44, 46 and 50mm**  
Piston diameter



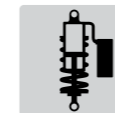
**E**  
Emulsion type of shock absorber.



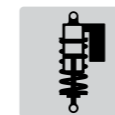
**D**  
Monotube high pressure gas type of shock absorber with internal reservoir in the main body.



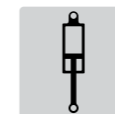
**P**  
Monotube high pressure gas type of shock absorber with external "piggy back" reservoir.



**H**  
Monotube high pressure gas type of shock absorber with hose mounted external reservoir.



**Q1**  
Progressive damping shock absorber with two pistons.



**W**  
Shock absorber delivered without spring.

## ADJUSTMENT FEATURES



**C1**  
Adjustable compression damping. Adjuster wheel or slot on the reservoir.



**C2**  
Adjustable high- and low- speed compression damping. Hexagon or slot on the reservoir.



**C4**  
Electronically Controlled (EC) compression damping adjuster.



**R1**  
Adjustable rebound damping. Adjuster wheel or slot above the end eye.



**R1**  
Adjustable rebound damping. Adjuster wheel or slot on the reservoir.



**R4**  
Electronically Controlled (EC) rebound damping adjuster.



**S**  
Hose mounted hydraulic spring preload adjuster.



**S1**  
Electronically Controlled (EC) hydraulic spring preload adjuster.



**B**  
Integrated hydraulic spring preload adjuster. Adjuster wheel or hexagon on the adjuster.



**L**  
Adjustable length.



Mechanical spring preload adjuster.



# SUPERSPORT





SUPERSPORT

# TTX GP

## SHOCK ABSORBER

Öhlins are continuously striving to improve their products on quality, consistency, and performance. From our latest research and development, we have made many components and setting improvements that we have combined into this shock. The TTX GP features a new type of valve which gives better feedback to the rider, also a new piston and band which together with the new valves enhances grip, stability, feedback, and consistency. The new adjuster knobs make it easier to make changes on the fly with or without tools compared to the old design.



### TOP FEATURES

- > TTX-technology
- > Rebound and compression adjustment straight from MotoGP
- > Adjustment needles with different flow restriction behavior to improve chassis feedback
- > Wider and more precise adjustment range
- > Adjustment possible by hand or with hexagon tool

SUPERSPORT

# TTX RT

## SHOCK ABSORBER



The TTX Road & Track is developed for the latest supersport models as a complement to the top of the line TTX GP shock. The TTX RT has a competitive price but still offers great performance for the road and track day enthusiast. The shock is based on the TTX 36 with its race proven technology. It has a traditional C-spanner type pre load adjustment, easily accessible rebound and compression adjustment on the cylinder head. The result is a shock absorber with the long term technology developments from Öhlins experience in MotoGP and WSBK.



### TOP FEATURES

- > TTX-technology
- > Wide adjuster range
- > Completely separated functions for rebound and compression damping
- > All adjustments are done on the cylinder head of the shock absorber
- > Length adjustable for most models



SUPERSPORT

# STX 46

## SHOCK ABSORBER

The Öhlins STX 46 shock absorber is available for many different bikes in the smaller supersport segment, such as Yamaha R3, Ninja 250 and Honda CBR 250. This shock absorber features the well-known Öhlins monotube design and build quality. With fully adjustable compression and rebound damping it has a great range of adjustment. Also you can fit the shock absorber with an optional hydraulic spring preloader! With enhanced cornering performance and improved comfort it will inspire you to go faster around the track but also works great on your daily commute and weekend rides.



### TOP FEATURES

- > STX-technology
- > Monotube high pressure gas type of shock absorber with hose mounted external reservoir
- > Fully adjustable compression and rebound damping
- > Wide range of springs available
- > Optional: Hydraulic spring preloader adjuster

SUPERSPORT

# STX 36

## SHOCK ABSORBER



The ride to the track should be just as enjoyable as the race itself. You need to feel confident, comfortable, and ready to take on your best race yet. With Öhlins STX 36 Supersport shock absorbers you will experience the track day feeling no matter if you're on or off the track.

Our STX 36 Supersport is available in the classic inline, piggyback, and hose remote reservoir, making it possible for you to ride with excellence no matter what bike you have. Every turn and every corner becomes smooth and reliable with our unique and reliable STX technology.

Let your passion shine through as you get out on the road and get ready to experience a whole new way of racing.

### TOP FEATURES

- > STX-technology
- > 36 mm piston diameter
- > Fully adjustable
- > Maintenance and service possibilities
- > Available in different configurations depending on the bike model







SUPERSPORT

# STEERING DAMPER

An essential ingredient in a complete performance package, the Öhlins steering dampers are still the ones to beat. Thanks to the superior pressurized design and extremely tight manufacturing tolerances, the damper delivers supreme performance and agility, and with the wide adjustment range it is easy to find that perfectly weighted steering feel and feedback.

Available as a bolt-on kit for many sport and supersport models, there is also an assortment of universal models in different lengths and a wide range of mounting brackets and parts for race bikes as well as custom builders.

## TOP FEATURES

- > Unique, well proven design
- > Pressurized fluid avoids problem of free play
- > Adjustable in 16 well defined clicks
- > Available in 6 different lengths/strokes
- > Kits complete with mounting brackets available for certain bikes
- > Universal parts for race bikes available



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SUPERSPORT

# STEERING DAMPER EC

The Öhlins Smart EC aftermarket steering damper is designed to complement the Öhlins Smart EC system equipped on the Yamaha R1M.

The Smart EC software controlling for this steering damper is already pre-programmed into the Yamaha R1M's SCU. The steering damper is controlled by the Smart EC algorithms and reacts on speed as well as acceleration.

It constantly changes the damping settings in real time to suit the current riding conditions in the best possible way. The already excellent mechanical function in the steering damper is further improved by the Smart EC algorithms and the result is an ideal platform for any rider who wish to improve the performance on road as well as reduce the lap times on track.

## TOP FEATURES

- > Öhlins Smart EC Software
- > Constantly changes damping settings in real time
- > Reacts on speed and acceleration
- > Unique, well proven design
- > Pressurized fluid avoids problem of free play
- > Improved riding experience







SUPERSPORT

# FKR 100

## CARTRIDGE KIT

The Öhlins FKR 100 cartridge kit has technology derived straight from the Moto3, Moto2 and World Superbike championships developed by our engineers at Öhlins HQ in Sweden. FKR 100 is for riders who demand the best performance from their bike.

Designed for top level racing in Superstock and Supersport classes. Features include a spring pressurized system, compared to the old gas pressurized system, the spring pressure offers a more simplistic and user friendly design, which also makes for easier maintenance and setting changes. Also giving a more consistent performance curve and allows for a more compact design.

### TOP FEATURES

- > TTX-technology
- > Fits most large displacement bikes
- > Easier maintenance
- > Spring pressurized system
- > Technology from Moto3, Moto2 and World Superbike
- > Complete setting library



**TTX**



SUPERSPORT

# NIX 30

## CARTRIDGE KIT

The Öhlins NIX 30 front fork cartridge kit was developed in racing series such as World Supersport and Superstock championships. Whether heading for a National Roadracing title or just taking your bike to the local race track, this cartridge kit offers loads of performance, stability and suppleness. This kit has a unique design, with the compression damping in the left fork leg while the right leg controls rebound damping. This allows not only for a more precise function and better stability, but also the ease of having all adjustments conveniently placed at the top of the fork.

### TOP FEATURES

- > NIX-technology
- > External rebound, compression and spring preload adjusters
- > Easy to change settings for individual preferences, based on our setting bank
- > Wide range of spring rates available in the 08790-series
- > Easy to install and service
- > Available for most Supersport models



**NIX**



SUPERSPORT

# NIX 22

## CARTRIDGE KIT

The Öhlins NIX 22 cartridge kit, for light-weight sport bikes with conventional forks, is based on experience gained from World Superbike and Supersport championships. This kit has many similarities with our NIX 30 product aimed towards the larger displacement supersport bikes. The NIX 22 cartridge kit delivers loads of performance with a stable damping characteristics and great comfort contributing to rider confidence. Whether you are aiming for a title in light-weight road racing or just want to have a great track day bike.

**NIX**



### TOP FEATURES

- > NIX-technology
- > External compression and rebound adjustment
- > External 15 mm preload adjustment
- > 22 mm piston diameter
- > Range of fork springs available

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SUPERSPORT

# FSK 100

## FORK SPRING KIT

This Öhlins FSK 100 is an upgrade for small sports and street bikes with conventional forks. The kit is designed to improve the handling, cornering and braking and give the rider a noticeable improved feeling in all areas. The kit consists of a replacement top cap and higher performance rate springs. The replacement top cap also provides an external spring preload adjustment. It is available for small sports bikes such as the Yamaha R25/R3, Kawasaki Ninja 400 and Honda CBR 250/300R.



### TOP FEATURES

- > Full maintenance capability
- > Replacement top caps
- > Performance rate springs



SUPERSPORT



# FGR 300

## FRONT FORK

The Öhlins FGR 300 is the very essence of advanced suspension technology. Packed with technical solutions developed in MotoGP and Endurance World Championship, the FGR 300 improves on its predecessors in a number of ways to stay further ahead of the competition. Building on the technology from the pressurized TTX 25 front fork cartridge kit, the reinforced outer tube adds stiffness to the chassis, crucial for complete control in racing. Easily adjustable for both compression and rebound, together with a click setting function for the spring preload. The FGR 300 represents the pinnacle of front fork engineering.

### TOP FEATURES

- > TTX-technology
- > New stronger outer tube top
- > Longer, lighter design
- > Improved adjustment features
- > Different settings available from Öhlins setting bank



OHLINS.COM

SUPERSPORT

NEW



# FGR 250

## FRONT FORK

TTX

TTX

Experience the Moto2 and World Superbike feeling with Öhlins FGR 250 front fork. Developed straight from the Superbike race track you'll always be one step ahead of the competition. Equipped with TTX-technology, you'll get complete control while experiencing improved dynamic behavior. Designed for top level racing in Superbike and Endurance classes. With spring pressurized TTX 25 internals and the same outside dimensions as our tried and tested FGR 300.

Experience the race track the way it was meant to - like a real Superbike rider.

This front fork is developed for racing only and should only be used on the race track.

### TOP FEATURES

- > TTX-technology
- > Spring pressurized internals
- > New design
- > Low friction
- > Different settings available from Öhlins setting bank





SUPERSPORT

# FGRT 200

## FRONT FORK

NIX

Whether heading for a national roadracing title or going for a quiet countryside trip, the Road & Track front fork will deliver loads of performance, consistent behaviour and a suppleness you wouldn't believe was possible. Featuring the race proven technology of our NIX 30 cartridge kit. This not only allows for superior dynamic behaviour, but also for keeping the adjusters conveniently on top of each leg. The new front fork improves on rider feedback, brake support and general handling of the bike. Not to mention the exquisite styling – the FGRT 200 is perfect in terms of both performance and design.



### TOP FEATURES

- > NIX-technology
- > Weight and stress optimized fork bottom design
- > All adjustments at the top of the fork
- > Proven in various racing applications
- > Available for most Supersport models
- > Different settings available from Ohlins setting bank

OHLINS.COM





# ADVENTURE





ADVENTURE

# TTX ADVENTURE

## SHOCK ABSORBER

The thoroughly race proven TTX-technology makes it into the adventure segment, delivering unparalleled performance. Designed for the BMW R1200GS, the Öhlins TTX 36 and TTX 39 shock absorbers improve on feedback, control and comfort. Of course, both front and rear shocks benefit from all the TTX advantages, such as individually adjustable compression and rebound damping and eliminated risk of cavitation. Developed exclusively for the adventure segment, the rear TTX 39 shock is designed specifically to cope with the varying load conditions of on and off road use.



### TOP FEATURES

- > TTX-technology
- > 36 mm front shock absorber for adventure
- > 39 mm rear shock absorber specifically designed for the adventure
- > Reinforced cylinders
- > Individual setting of spring preload front and rear
- > Individual settings of both compression and rebound front and rear

OHLINS.COM

ADVENTURE

# STX 46

## SHOCK ABSORBER



The classic monotube design of the Öhlins STX 46 shock absorber is a major upgrade to most bikes in the adventure segment. The design is well proven, features a large 46 mm piston delivering reliable performance in all possible environments. Available in a wide range of configurations, with piggyback or hose mounted reservoir and with or without spring preload adjuster, the STX 46 can be made to fit in virtually any mounting space no matter what the constraints are. The STX 46 is available for most major models in the adventure segment.



### TOP FEATURES

- > STX-technology
- > Well proven monotube design
- > A number of different adjustment possibilities
- > Available in different configurations depending on bike model
- > Maintenance and service possibilities
- > Available for most major adventure models



ADVENTURE

# NIX 30 ADVENTURE CARTRIDGE KIT

NIX 30 Adventure cartridge kit for medium sized adventure bikes. Based on technology from Öhlins roadracing cartridges featuring our well proven NIX damping system. Among the advantages with this design is improved stability and control of the damping system, ease of use as all the adjusters, compression, rebound damping and spring preload, are located at the top of each fork leg. Fast gravel roads on a weekend or piloting around narrow trails to find that perfect stopover for the night – now you can do it with complete control over your bike.

## TOP FEATURES

- > NIX-technology
- > Fully adjustable from the top cap
- > Rebound in one leg, compression in the other leg
- > Hydraulic stop to prevent hard bottoming
- > Easy to install and service
- > Different spring rates available



**NIX**

ADVENTURE

# FRONT FORK ADVENTURE FRONT FORK

Öhlins Front Fork Adventure for the Honda CRF 1000L Africa Twin. Based on our trusted RXF motocross fork and the NIX 30 Adventure cartridge kit the new fork comes packed with advantages over the standard equipment.

The design features gold coloured, surface treated outer and inner tubes that drastically reduce friction and ensure a hard surface; perfect when you go off road.

## TOP FEATURES

- > NIX-technology
- > 48 mm gold outer tubes
- > Fully adjustable
- > Golden TiNitride surface treatments on inner tubes



**NIX**



# CUSTOM & HERITAGE





CUSTOM & HERITAGE

NEW



# STX 46 P BLACKLINE

## SHOCK ABSORBER

STX

Indulge in top performance and exclusive design with Blackline by Öhlins STX 46 shock absorber. Never choose between a timeless look and outstanding features. Öhlins STX 46 Blackline shock absorber blends into your own creation but still pops out to draw attention. Because, let's be honest, looking good is a part of your identity. Take on the streets with style, class, and confidence while riding your way to the goal. Less is more, and the Blackline by Öhlins will never go out of style. Ride timeless, experience perfect.



### TOP FEATURES

- > STX-technology
- > Blackline design
- > Monotube shock absorber
- > A range of spring rates available
- > Maintenance possibilities
- > 46 mm piston diameter

OHLINS.COM

CUSTOM & HERITAGE

NEW



# STX 46 DR1 BLACKLINE

## SHOCK ABSORBER

STX

Your ride is a part of your identity, and the way you cruise down the streets never looked so good. No matter your cool exterior, you love the way people stop and stare at your custom bike. With the STX 46 DR1 Blackline by Öhlins damper, you'll never have to choose between comfort and control over great design. Our STX 46 DR1 Blackline by Öhlins damper comes with all Öhlins quality features packed in a sleek, timeless design for you to turn heads wherever you go.



### TOP FEATURES

- > STX-technology
- > Blackline design
- > Monotube shock absorber
- > A range of spring rates available
- > Maintenance possibilities
- > 46 mm piston diameter



CUSTOM & HERITAGE

# STX 46

## SHOCK ABSORBER

The STX 46 shock absorber for the Harley-Davidson softail gives an impressive increase in performance and comfort. Developed to make those long cruises more comfortable but also give the necessary support when hitting the winding roads. This STX 46 has some unique features such as a silver hydraulic preload adjuster, black spring, custom black preload handle with laser etched Ö-logo and CNC machined aluminum handle to look great on all versions of the new Softail!



### TOP FEATURES

- > STX-technology
- > Hydraulic preload adjuster
- > Monotube shock absorber
- > A range of spring rates available
- > Maintenance possibilities
- > 46 mm piston diameter

CUSTOM & HERITAGE

# STX 36 P BLACKLINE

## SHOCK ABSORBER

Don't let the subtle styling fool you! The STX 36 P Blackline shock absorbers deliver well known Öhlins damping performance and quality. With a selection of spring rates, compression, rebound and preload adjustment you can fine tune these shocks to suit your riding style. From cruising mountain roads to being playful on the throttle the STX 36 P Blackline shocks are developed for Harley-Davidson riders wanting nothing but perfect ride characteristics.



### TOP FEATURES

- > STX-technology
- > Piggyback gas pressurized reservoir
- > Adjustable compression and rebound damping
- > Optional length adjustability
- > Fully serviceable
- > Tested and tailor-made to suit each application



CUSTOM & HERITAGE



# STX 36 DR1 BLACKLINE

## SHOCK ABSORBER



For those who want the Blackline shocks but with a more the classic look the STX 36 DR1 Blackline is the answer. This is achieved by integrating the gas reservoir with the shocks main body for a slim design, while retaining all the Öhlins damping qualities. Adjustable rebound damping allows you to tune the shock to your liking, while rear height can be altered with the length adjuster. No matter where the road takes you, the STX 36 DR1 Blackline provides comfort, style and performance to your Harley-Davidson.



### TOP FEATURES

- > STX-technology
- > Integrated gas pressurized reservoir
- > Adjustable rebound damping
- > Length adjustable
- > Fully serviceable
- > Tested and tailor-made to suit each application

CUSTOM & HERITAGE



# STX 36 D BLACKLINE

## SHOCK ABSORBER



The STX 36 D Blackline shock absorber is the simplest shock in the Blackline range. It comes with the STX technology and is constructed to give you maximum comfort on long rides. It is an easy to set up shock without the confusing adjusters. Retaining all the Öhlins damping qualities the STX 36 D provides increased traction and safety for your Harley-Davidson in all conditions.



### TOP FEATURES

- > STX-technology
- > Integrated gas pressurized reservoir
- > Fully serviceable
- > Tested and tailor-made to suit each application



CUSTOM & HERITAGE



# STX 36

## SHOCK ABSORBER



Developed for bikes with twin shock absorbers, the Öhlins STX 36 is a classic monotube design, featuring all the classical Öhlins qualities delivering top notch performance for your street bike. Available in emulsion, piggyback or hose versions, depending on application, it can also be specified with a number of different damping adjustment options with or without length adjustment. Suitable for any application from cruisers to café racers, the STX 36 shocks are one of Öhlins most successful designs of all times.



### TOP FEATURES

- > STX-technology
- > Well proven monotube design
- > Emulsion, dividing piston, piggyback or hose type gas pressurized system
- > Each application tested and tailor made to suit
- > Designed for comfort and rideability on cruisers
- > Wide range of spring rates are available
- > Optional black, yellow and chrome springs are available to most models

OHLINS.COM

CUSTOM & HERITAGE



# NIX 22

## CARTRIDGE KIT



Imagine – riding your Harley-Davidson down the country roads with the improved comfort, control and performance of Öhlins suspension. The NIX 22 cartridge kit extends Öhlins advanced suspension technology to the popular line of Harley-Davidson Sportster and Dyna models. Designed with proven Öhlins NIX-technology to maximize damping performance in the available confines of a fork leg, compression and rebound damping are separated between the legs. Just install and enjoy! Optional fork spring rates are available for individual rider weights, preferences and use of the bike. Whatever your needs are, you'll be surprised by the transformation.



### TOP FEATURES

- > NIX-technology
- > External compression and rebound adjustment
- > 22 mm piston diameter
- > Range of fork springs available
- > Improved feel, control and comfort
- > Easy to install



CUSTOM & HERITAGE

# FKC 101 CARTRIDGE KIT

The heart and soul of a Harley-Davidson with the comfort and control of Öhlins suspension. The FKC 101 cartridge kit introduces Öhlins advanced suspension technology to the front forks of the popular Harley-Davidson FLH/FLT Touring Baggers.

Designed with proven Öhlins NIX-technology which maximizes damping performance in the available confines of a fork leg, compression and rebound damping are separated between the legs. We also did away with the hassle of external adjusters. Just install and enjoy! Optional spring rates are available for individual rider weights, preferences and use of the bike, you'll be surprised by the transformation.

### TOP FEATURES

- > NIX-technology
- > 25 mm pistons
- > Aluminum damping tubes
- > Improved feel, control and comfort
- > Easy to install
- > Range of fork springs available



CUSTOM & HERITAGE

# FKC 102 CARTRIDGE KIT

The heart and soul of a Harley-Davidson with the comfort and control of Öhlins suspension. The FKC 102 cartridge kit introduces Öhlins advanced suspension technology to the front forks of the popular line of Harley-Davidson FLH/FLT Touring Baggers. Designed with proven Öhlins NIX-technology which maximizes damping performance in the available confines of a fork leg, compression and rebound damping are separated between the legs. We also did away with the hassle of external adjusters. Just install and enjoy! Optional spring rates are available for individual rider weights, preferences and use of the bike, you'll be surprised by the transformation.

### TOP FEATURES

- > NIX-technology
- > 25 mm pistons
- > Aluminum damping tubes
- > Improved feel, control and comfort
- > Easy to install
- > Range of fork springs available





CUSTOM & HERITAGE

# CUSTOM 43 BLACKLINE

## FRONT FORK



Öhlins 43 mm conventional universal fork for the custom bike builder that wants supreme suspension performance. Custom 43 Blackline gives you the familiar Öhlins design in black. Inside the fork we use NIX-technology featuring compression damping in the left leg and rebound damping in the right leg, also spring preload all easily accessible at the top caps. This fork ensures great bump absorption giving the rider a smooth and comfortable ride. The forks are delivered without brake caliper and fender mountings, this enables the fork to be easily adapted to various models by the bike builder.



### TOP FEATURES

- > NIX-technology
- > Stroke 130 mm, length 800 mm
- > Triple clamp diam. 43 mm
- > Wheel axle 32 mm
- > Spring rate 9,5 N/mm. Range of optional spring rates available
- > Fully adjustable

CUSTOM & HERITAGE

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CUSTOM & HERITAGE

NEW



# CUSTOM 43 USD BLACKLINE FRONT FORK

Öhlins offer a range of front fork options. For custom builds, the fully adjustable Custom 43 USD Blackline features compression and rebound damping as well as adjustable spring preload, easily tuned for your specific requirements. The front fork offers complete control and race proven performance for your bike.



## TOP FEATURES

- > Stroke 120 mm
- > Length 800 mm
- > Top clamp diam. 50 mm
- > Lower clamp diam. 54 mm
- > Wheel axle 32 mm
- > Spring rate 8,5 N/mm
- > Blackline design
- > Fully adjustable

CUSTOM & HERITAGE

NEW



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- > Length 800 mm
- > Top clamp diam. 50 mm
- > Lower clamp diam. 54 mm
- > Wheel axle 32 mm
- > Spring rate 8,5 N/mm
- > Fully adjustable



CUSTOM & HERITAGE



# CUSTOM 48 BLACKLINE **NIX** FRONT FORK

A unique 48 mm front fork that originally was developed for the Ducati Diavel and has been a popular option for custom builders. Performance in spades from the latest Öhlins NIX-technology matches the aggressive and beefy looks. The front fork has compression and rebound adjustments, and is easily adjustable with rebound in one leg and compression in the other. Spring preload adjustment is done from the top cap.

This front fork does not only improve the looks but also delivers performance improving tire feel, brake support and general handling.

## TOP FEATURES

- > NIX-technology
- > Compression and rebound adjustable, with rebound in one leg and compression in the other
- > Spring compression adjustments in the top cap
- > Weight and stress optimized fork bottom design



CUSTOM & HERITAGE



**NEW**

# STEERING DAMPER BLACKLINE

Achieve top performance with full control as you take on your journey. The exclusive design of Blackline By Öhlins, together with the supreme performance of our Öhlins Steering Damper Blackline will make you unstoppable. Attention loves you, and with the timeless look of the steering damper you'll always be ready for it.

Enjoy endless rides thanks to the increased stability and steering feedback, reducing fatigue. Confidence and good looks go hand in hand.

## TOP FEATURES

- > Unique, well proven design
- > Pressurized fluid avoids problem of free play
- > Adjustable in 16 well defined clicks
- > Improved riding experience
- > Mounted outside of the fork leg or across the frame behind
- > Fully adjustable
- > Blackline design







# STREET PERFORMANCE LINE





STREET PERFORMANCE LINE

# STX 46

## SHOCK ABSORBER

A well proven monotube design, the Öhlins STX 46 shock absorber sets the standard for performance, quality and durability. A major suspension upgrade for your sports bike suspension, it features a large 46 mm main piston and an internal gas reservoir within the main body of the shock. With adjustable damping, you can change the behavior of the shock to suit your taste and even fit a hydraulic spring preloader to change the stance of the bike. This is the perfect choice for the naked sports bike, or as we call it: the Street Performance Line.

**STX**



### TOP FEATURES

- > STX-technology
- > Monotube shock absorber
- > Adjustable rebound damping and compression
- > A range of spring rates available
- > Optional hydraulic spring preloader
- > Available for more than 100 different bike models

OHLINS.COM

STREET PERFORMANCE LINE

# NIX 22

## CARTRIDGE KIT

**NIX**

This NIX 22 cartridge kit shares many similarities with our NIX 30 products for larger displacement supersport bikes. The NIX 22 delivers loads of performance with stable damping characteristics and great comfort contributing to rider confidence. Features include compression damping in the left leg and rebound damping in the right leg, which allows for a more precise function and stability. Adjustments are made at the top together with the spring preload, all to make it easier for you. The cartridge system is easy to install in standard front forks.



### TOP FEATURES

- > NIX-technology
- > External compression and rebound adjustment
- > External 15 mm preload adjustment
- > 22 mm piston diameter
- > Range of fork springs available
- > Öhlins setting bank

STREET PERFORMANCE LINE

# NIX 30 STREET

## CARTRIDGE KIT

The NIX-technology is developed from world championship racing such as SBK to deliver the utmost performance. NIX 30 Street cartridge kit fits in the standard front legs giving you adjustable compression and rebound damping separated in each leg, as well as preload adjustment, all accessible from the new designed black top caps giving the bike a more subtle look. Öhlins have tested the NIX 30 cartridge kit extensively. On road as well as track, to make a kit that gives the best performance on your favourite road but also a comfortable ride when cruising or commuting to work.

### TOP FEATURES

- > NIX-technology
- > External compression and rebound adjustment
- > External preload adjustment
- > 30 mm piston diameter
- > Range of springs available
- > Öhlins setting bank



**NIX**

STREET PERFORMANCE LINE

# FSK 100

## FORK SPRING KIT

This FSK 100 is an upgrade for small sports and street bikes with conventional forks. The kit is designed to improve the handling, cornering and braking and give the rider a noticeable improved feeling in all areas. The kit consists of a replacement top cap and higher performance rate springs. The replacement top cap also provides an external spring preload. It is available for street bikes such as the Yamaha MT-07, Honda CB650F and the Kawasaki ER6N.

### TOP FEATURES

- > Full maintenance capability
- > Replacement top caps
- > Performance rate springs





# SCOOTER PERFORMANCE LINE





SCOOTER PERFORMANCE LINE



# STX 46

## SHOCK ABSORBER



Öhlins offers a sturdy and cost effective STX 46 shock absorber for scooters. These upgrades deliver increased handling, comfort and performance.

The STX 46 rear shock absorber with monotube design sets the standard for performance quality and durability. With adjustable rebound damping, you can alter the behavior to suit your riding style.



### TOP FEATURES

- > STX-technology
- > External preload adjustment
- > Adjustable rebound damping
- > A range of spring rates available
- > Maintenance possibilities
- > 46 mm piston diameter

OHLINS.COM

SCOOTER PERFORMANCE LINE



# STX 36

## MONO & TWIN SHOCK ABSORBER



Based on the well proven and high performing STX 36 shocks Öhlins has developed both mono shocks and twin shocks to enhance the performance and comfort of scooters. The application list includes shock absorber upgrades for 125 up to 600 cc scooters.

The STX 36 is a classic monotube design available in emulsion, piggyback or hose versions depending on application and it can also be specified with a number of different damping adjustment options with or without length adjustment.



### TOP FEATURES

- > STX-technology
- > Well proven monotube design
- > Each application tested and tailor made to suit
- > Design for comfort and performance
- > Available for Honda MSX, Forza and PCX 150, with other applications being developed for machines such as the Yamaha X-Max range.



## SCOOTER PERFORMANCE LINE

# NIX 30 STREET CARTRIDGE KIT

The Öhlins NIX 30 Street cartridge kit gives you adjustable compression and rebound damping separated in each leg, as well as preload adjustment.

We at Öhlins have tested the NIX 30 Street cartridge kit extensively. On road as well as track, to make a kit that gives the utmost performance on your favourite road but also gives a comfortable ride when cruising or commuting to work.

### TOP FEATURES

- > NIX-technology
- > External compression and rebound adjustment
- > External preload adjustment
- > 30 mm piston diameter
- > Range of springs available
- > Öhlins setting bank



**NIX**

## SCOOTER PERFORMANCE LINE

# FDK 100 CARTRIDGE KIT

The Öhlins FDK 100 cartridge kit is a great performance upgrade for your bike. Improved handling, cornering and braking are immediately noticed.

Full maintenance capability. Alternative spring rates available.

### TOP FEATURES

- > Compression insert
- > Rebound insert
- > Replacement Öhlins top caps
- > Higher performance rate springs





# 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.

# 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.

Made with the same precision as other Öhlins products, we believe that our fluids not only do the job of bringing the best out of our shocks.





# 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

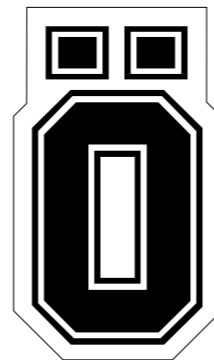
**Size:** 17 x 32 mm



**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

(TRANSPARENT BACKGROUND)



**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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