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### Touratech Suspension WTE Extreme – SET for Yamaha Tenere 700 from 2019

The **Touratech Suspension World Travel Edition Extreme Set** ranks in the **absolute premium class of suspension components**. This Extreme Suspension Set for the Yamaha 700 Tenere is **perfectly suited to touring and riding with frequent dramatic changes in loading and riding conditions**, and the most extreme demands. The Extreme - Set is fitted with a position sensitive damping system (**PDS**), which utilises a second damping piston to provide hydraulic protection against bottoming out. Even fully laden with luggage under the most extreme off-road conditions, the bike will not bottom out and shock absorber including cartridge is **protected against mechanical overload**. Damping characteristics change depending on the road surface. When riding under most conditions, the shock absorber is comfortably adjusted for a less strenuous ride, before the PDS kicks in for the last portion of the stroke.

#### Facts at a glance:

- This Suspension SET is configured and adjusted ready for use based on our experience with the Yamaha Tenere 700.
- The parameters are: vehicle weight / shock absorber pivot point / design constraints / test rides.
- With this SET, the rear and front area of the motorcycle are adjusted and in perfect balance.

**You will experience a completely new ride feel on your motorbike.**



**Characteristics of the Touratech Suspension Extreme shock absorber:**

- The shock absorber body is made of aluminium. This keeps its weight to a minimum.
- All assemblies and components are designed for intense use on heavy touring motorcycles.
- Special low-friction seals are fitted. As a result, there is very little wear and the shock absorber has a long service life.
- Strong stainless steel bushings for the securing bolts are fitted to the spring eye. They make sure the securing bolt is seated firmly with no play even under maximum loads.
- Floating piston design. The floating piston separates the damping fluids – oil and nitrogen – allowing them to work separately. As a result, the shock absorber response is finer. Precise, high-performance damping even with very high damping frequency (bad roads, dirt tracks). Shock absorber cools better. Minimal restrictions for the shock absorber's fitting position on the motorbike.
- Hydraulic Extreme preload via an easily accessible, well positioned hand wheel.
- The damper settings were developed in line with Touratech's experience and requirements. They are based on many miles travelled and experiences gained from use by the Touratech Race Team.
- Extreme compression damping adjustment always has separate high speed and low speed settings. This allows highly individual compression/rebound adjustment. Perfect adaptability to changing requirements.
- Separate Extreme external reservoir in the shock absorber's damping assembly. Means shock absorber system cools better when riding. Gives the shock absorber greater resilience and a longer service life.
- QR barcode on the shock absorber contains individual shock absorber data. Simply scan with a smartphone to access the specific information for the shock absorber. Information on the shock absorber's factory settings is always available. Can be reset if incorrectly adjusted.

Putting it simply, the **Touratech Suspension Cartridge Kit Extreme** is a suspension strut for the fork **and the absolute top end in terms of suspension technology**. The Extreme setup compensates for any volume of luggage, from the rear bag to a loaded luggage system and/or a pillion rider. Spring preload, compression and rebound can be fully adjusted top-side. The damping oil is contained in a closed cartridge which allows precise dosing of the amount of oil. Thus the Closed Cartridge offers a **significantly more refined and pleasant response behaviour of the fork**. The finely adjusted damping allows **effective and precise suspension settings to match your personal riding style** at all times, for all road conditions and intended uses, regardless of motorways/fast roads, country roads, country lanes, offroad sections, long-distance travel with big luggage or a speedy, ambitious driving style. Should exceptionally tough road conditions act on the front wheel, **the integrated "Hydraulic Endstop" prevents mechanical impacting of the fork**.

**Features of the Touratech Suspension Closed Cartridges:**

- The Closed Cartridge is installed into the original fork. This way the fork bridge/handlebar mount, brakes and wheel control and handlebar geometry are retained in full.
- No additional modifications to the fork are required
- A Closed Cartridge is an Extreme suspension strut in the fork.
- Fully adjustable top-side spring preloading (adjustment tool including with delivery) in both fork legs for optimal balance of the motorbike. 20mm via 12 clicks
- Separately adjustable rebound damping 20 clicks (1 fork leg)
- Compression damping 20 clicks (1 fork leg) for damping.
- For precise damping settings at high damping frequency and high load (poor roads, offroad with luggage).

**Features of the Touratech Suspension Closed Cartridges:**

- High damping stability and robustness through use of 35 mm piston.
- Closed design (Closed Cartridge), hence closed oil cartridge for damping and the oil in the fork is for lubrication only.
- Damping oil (cartridge) and nitrogen, in a nitrogen accumulator at the base of the cartridge.
- Extremely refined response behaviour of the fork while providing high durability and stability at the same time.
- The separation of oil and nitrogen avoids foam formation and no stickslip in the fork.
- This means reproducible damping performance at all times, even under the most extreme conditions.
- Prevents the fork from going solid. Each cartridge is fitted with an "Hydraulic endstop" against impacting.

**The basic setup fitted here is designed for riders up to 100 kg including luggage.** Modifications are possible for a heavier rider (more than 100 kg) and/or if the bike is usually ridden with a passenger / with luggage. In this case, we individually modify the shock absorber to meet your needs by fitting a spring with a higher spring rate. Please fill out our suspension check form and send it back to us.

[https://shop.touratech.de/suspension/travel.html?\\_\\_store=de\\_en\\_gb#/suspensioncheck](https://shop.touratech.de/suspension/travel.html?__store=de_en_gb#/suspensioncheck)

**Scope of delivery:**

- Ready-to-mount shock absorber Typ Extreme (01-632-5870-0)
- Ready – to mount -Cartridge Kit Extreme. (01-632-5875-0)
- General Operating License
- Mounting instructions / user manual ONLINE

**If you have any further questions, we will be happy to advise you. Contact us.**

E-Mail: [suspension@touratech.de](mailto:suspension@touratech.de)

**Or choose the Touratech dealer of your country.**

Use this Link please: <http://www.touratech.de/en/touratech/touratech-international.html>