



Wilbers
Performance Suspension


UPGRADE YOUR HARLEY



your bike.our passion.



Wilbers Nivomat powered by ZF


for  touring models
Wilbers Nivomat Twin Shock

page 8



Scan the QR code
and get to the
complete
**model and
price overview**
Harley Davidson!



for  FL3 and FL4 models,
except CVO

page 16

Wilbers Cartridge



for  touring models Baujahr ≥ 2011 page 18

Wilbers Stabilizer Kit



for  touring models FL3 / FL4 page 20

Wilbers shock absorber type 641 TS Piggyback



for  FLTRXSE CVO Road Glide FL4 page 10

Wilbers Nivomat suspension kit with open cartridge



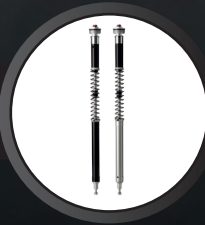
for  Softail models page 24

Wilbers Nivomat Softail



for  FLTRXSE CVO Road Glide FL4 page 14

Wilbers open Cartridge



for  Sportster 1250 S page 26

Wilbers Nivomat Sportster





The Wilbers Nivomat system

The suspension geometry and set-up is the most important factor in being able to ride a motorcycle safely and comfortably.

The ride heights at the front and rear have a significant effect on handling. Depending on the set-up and rider weight, these values fluctuate and are generally not at the same height. A suspension spring that is too soft or too hard also influences the ride height and causes an unwanted change in the geometry. **The patented Wilbers Nivomat system automatically ensures a sufficient spring rate, damping and optimum suspension travel without the need for manual adjustments - completely independently via the hydropneumatic function and always ideal for the payload.**

A 10-year warranty is a PROMISE that we are happy to make and that we offer worldwide with the help of our importers and authorized dealers. Thanks to the cooperation with ZF and the resulting experience from the OEM sector with the long-term warranty, we now also grant a 10-year warranty for our Wilbers Nivomat powered by ZF suspension

systems since July 1, 2023. The Nivomat system stands for quality, durability and the best function - we are happy to emphasize this. If, contrary to expectations, there should be a problem, you can contact us worldwide! You can find the listed importers and authorized dealers on our homepage. There's sure to be one near you, we promise!



Advantages of the Nivomat system

Full availability of the total suspension travel in loaded condition.

The additional gas spring adjusts the spring rate to the required level depending on the load. The result: a significant gain in comfort even in solo operation.

Consistent seat height, regardless of the load.

The Wilbers Nivomat powered by ZF always returns to the defined level position and thus ensures optimum ground and lean angle freedom.

Consistent geometry, regardless of the payload.



Nivomat Twin Shock

for Harley Davidson touring models

The Wilbers Nivomat Twin Shock Kit is supplied in conjunction with a Wilbers Ecoline shock absorber in the Nightline version as well as the necessary ZERO friction fork springs and ZERO friction fork oil. Depending on the vehicle, there are different kit versions in terms of the number of fork springs and fork oil required.

The kit was specially developed for Harley Davidson touring models.

This is because the Nivomat can exploit its full potential here: some of these models are equipped with just 53 mm rear wheel travel as standard. The Wilbers Nivomat Twin Shock system, on the other hand, has 73 mm of suspension travel and, in conjunction with the automatic level control, always ensures the best possible comfort and maximum suspension travel.

Whether the kit is supplied with one or two fork springs or one or two ZERO friction oils depends on the vehicle model.



Wilbers Nivomat suspension kit with open cartridge

for the FLTRXSE CVO Road Glide FL4 year of construction ≥ 2024

The Wilbers Open Cartridge Kit, newly developed for the Touring models, now finally offers the option of adjusting the fork to your own requirements. The wide adjustment ranges of the rebound and compression damping

and spring preload leave nothing to be desired: from comfortable for long journeys to a little sportier for a ride with your buddies - so everyone can always find the right setup.

Scan the QR code and go directly to the **cartridge suspension kit** in our online store at!



” It's simply **AWESOME!**
There are no more bad
roads! “

” This is **THE BEST SUSPENSION**
I've ridden in over 40 years
of motorcycling! “

” I am **CONVINCED** of the
Nivomat system. It is the best
for the heavy
touring machines. “



Wilbers open Cartridge

for the FLTRXSE CVO Road Glide FL4 year of construction ≥ 2024

With the Wilbers powered by ZF open cartridge set, the fork can be individually adjusted in terms of spring preload and damping. The large 30 mm piston ensures a very good response and sufficient progression. The standard fork spring with a spring rate of 8.5 N/mm can of course be freely selected depending on rider weight and payload.

Highlights:

- Compression damping adjustment range: 10 clicks
- Rebound damping adjustment range: 10 clicks
- Spring preload adjustment range: 10 mm
- 30 mm piston

Scan the QR code
and go directly to
open Cartridge
in our
online store at!





Wilbers Cartridge

for FL3 / FL4 models, except CVO

We also offer the fully adjustable Wilbers powered by ZF open Cartridge set for the FL3 and FL4 touring models with conventional RSU forks. The large 30 mm piston ensures very good response and sufficient progression. The standard fork spring with a spring rate of 8.5 N/mm can of course be freely selected depending on rider weight and payload.

Highlights:

- Compression damping adjustment range: 10 clicks
- Rebound damping adjustment range: 10 clicks
- Spring preload adjustment range: 10 mm
- 30 mm piston

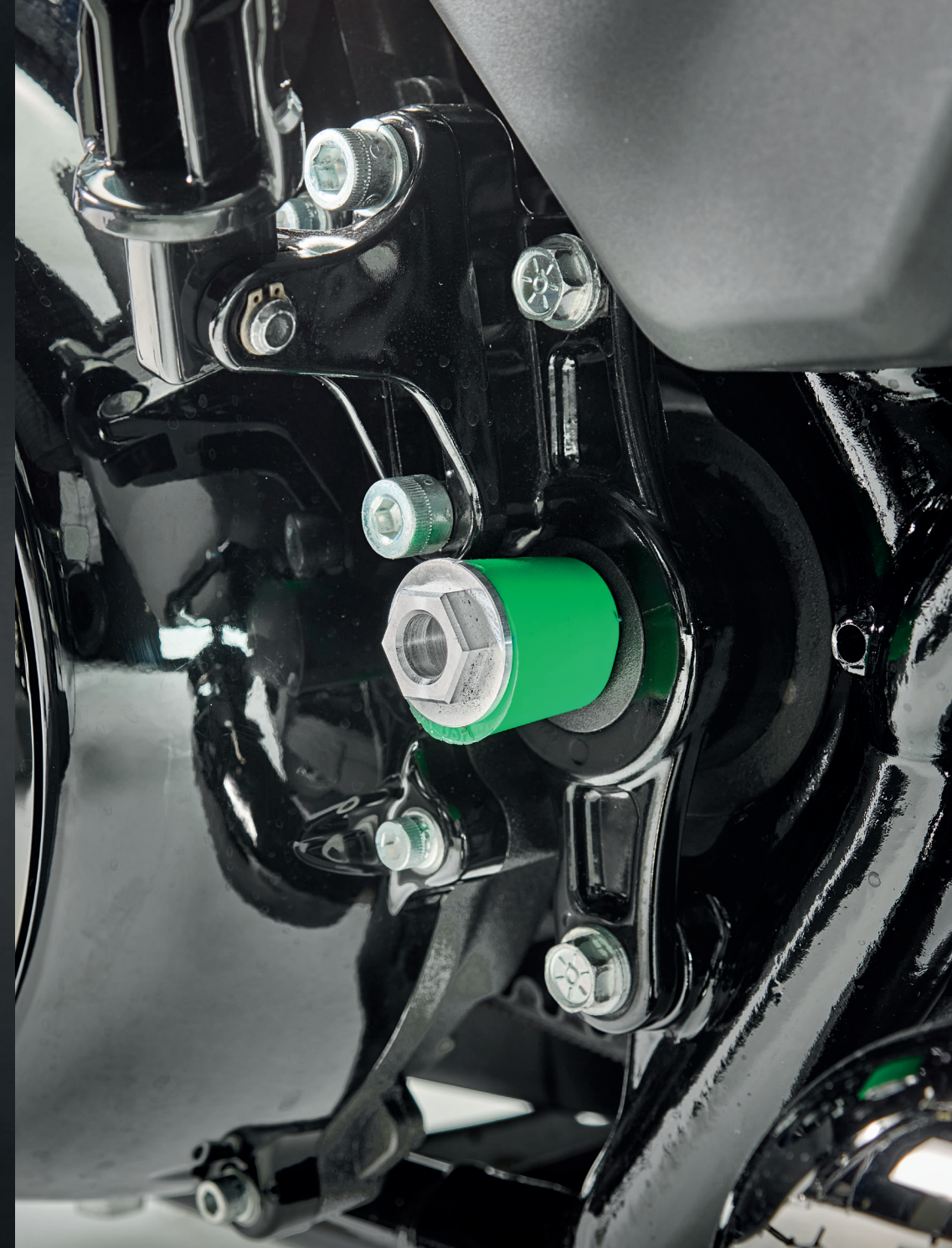


Stabilizer Kit

for Harley Davidson Touring models year of construction ≥ 2011

Wobbling (also known as “death wobble”) of the motorcycle can occur on Harley-Davidson Touring models from model year 2011 onwards at higher speeds and poses a major risk to riding safety.

We can counteract this risk with the Stabilizer Kit, which uses optimized bushings for the swingarm bearings and an adjustable strut on the engine mount to eliminate the cause of wobble on these models.



Scan the QR code and go directly to the explanatory Youtube video about the Stabilizer Kit!





Wilbers shock absorber type 641 TS Piggyback

for Harley Davidson touring models FL3 / FL4 year of construction ≥ 2014

A high-performance rear shock absorber set for Harley touring models was developed in collaboration with the Bagger Race Team from Harley Davidson Germany and tuned on the race track.

The Piggyback Kit is perfect for the sporty, ambitious Harley rider, as these dampers manage the balancing act between sportiness and comfort like no other suspension.

Adjustable damping in rebound and compression and infinitely variable adjustment of the spring preload make these shock absorbers an all-round talent.

As with all Wilbers shock absorbers, this suspension is also configured and built according to customer specifications, naturally with ABE and a 5-year warranty.

Scan the QR code
and go directly
to the **Piggyback Kit**
in our
online store!



” The suspension is totally convincing,
it is now finally a **PLEASURE**
to ride my Harley. “



Wilbers Nivomat Softail

for Harley Davidson Softail models

Harley Davidson has fundamentally revised its Softail model range for the 2017 model year. The concept of the rebound-loaded shock absorber has been completely rethought and the frame and swingarm have been redesigned. There is now space for a conventional, compression-loaded shock absorber. This was the starting signal for us to develop a Nivomat suspension for this

model series in close cooperation with ZF. Here too, the goal was clear: more ride comfort without sacrificing stability and an optimum level position, which the system constantly regulates while driving.

Here, too, we have achieved our goal. Convince yourself of this unique Made in Germany suspension during a test drive!

Scan the QR code
and get to the
complete
**model and
price overview**
Harley Davidson!



Wilbers Nivomat Sportster 1250 S

for Harley Davidson Sportster 1250 S

After the presentation and initial test reports of the Harley Davidson Sportster 1250 S, it was clear to us that, following the great success of the Nivomat system for the touring models, we now urgently needed to develop a Nivomat system for the Sportster 1250 S as well.

Because here, too, the standard conventional shock absorber quickly reaches its limits. The sensational design and the belt drive of the Sportster 1250 S unfortunately do not allow much suspension travel due to the design, which inevitably leads to a tight set-up with normal suspension struts. The Wilbers Nivomat powered by ZF suspension also provides the solution here:

The suspension travel is increased to a full 80 mm and the spring rate has been significantly reduced due to the additional gas spring, which becomes firmer depending on the load. It is important to note that the seat height has not changed significantly, thus retaining the Sportster 1250 S's compact appearance.

Of course, we also took a closer look at the fork during the development of the Nivomat suspension. We succeeded in significantly improving the friction and thus the response behavior by using high-quality bushings and SKF radial shaft seals. The slightly firmer ZERO friction fork springs in combination with the matching ZERO friction fork oil form the perfect symbiosis.

For the optimum riding experience, the Nivomat shock absorber is therefore supplied together with the fork components as a suspension kit.

The Wilbers Nivomat powered by ZF ensures maximum comfort and traction, which is very good for handling. Initial driving tests gave rise to the idea of the later LAP RECORD project, which was successfully implemented in Oschersleben.

The kit consists of:

- Wilbers Nivomat mono strut
- 1 set ZERO friction fork springs
- 1 liter ZERO friction fork oil
- 2 sets ZERO friction bushings
- 2 sets SKF oil seals & dust caps





Wilbers
Performance Suspension

Wilbers Products GmbH

Frieslandstr. 6 - 10 · 48527 Nordhorn · Germany

Telefon: +49 (0)5921 72717-0

Telefax: +49 (0)5921 72717-77

www.wilbers.de · info@wilbers.de · www.wilbers.de/shop



Wilbers Products GmbH



[wilbersproducts](https://www.instagram.com/wilbersproducts)