



AUTOMOTIVE PRODUCTS





WHO WE ARE

Working Together to Create World Class Products

KONI develops, manufactures and sells worldwide specialty high quality hydraulic shock absorbers and systems for street and racing cars, buses, trucks, trailers, railway rolling stock, defense and industrial applications.

In the car, bus, truck and trailer Aftermarket the demands for high standards for safety, durability, performance and passenger-comfort are universal. That is why we strive to be the leading solution provider globally. Operating on all continents, KONI dampers are supplied to the world markets through a vast number of local distributors. Providing added value to you means that we are connected to your markets and therefore your needs.

As a market leader, we are committed to offering an unmatched service for our solutions. If we want to exceed your expectations, we need to connect to your business. So we focus on your demands and requirements, whereby working together as a team is the key.

We truly believe teamwork and sharing knowledge supports your business and, therefore, ours.

KONI is the shock absorber specialist. For more than a century we have created products that excel in the toughest and the smoothest of conditions. Each KONI shock absorber and ride system is aimed to enrich the user experience; therefore we like to think that our products have a personality of their own. In a way, diversification is our specialization. Cars or bridges, trains or ferris' wheels, desert racers or army vehicles for the freezing poles: we see opportunities in everything that moves, regardless of the circumstances.

KONI has proven its expertise by providing dampers for:

- Passenger Cars
- Classic cars
- Racing Cars
- 4x4 vehicles and SUV's
- Coaches, Busses, Recreational Vehicles
- Trucks
- Trailers
- Other Heavy Duty vehicles and Industrial Applications
- Railway Products

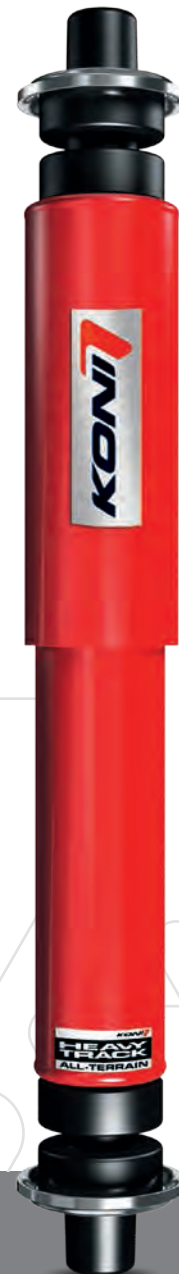


AN ITT COMPANY

KONI is an ITT Company

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. Our customers in the energy, transportation and industrial markets depend on us to solve their most critical problems, and we focus on partnering with them to find solutions to their unique challenges. Founded in 1920, ITT is headquartered in White Plains, N.Y., with employees in more than 35 countries. The company has sales in approximately 125 countries and generated 2013 revenues of \$2.5 billion. KONI has been part of ITT since 1972.

For more information, visit www.itt.com





INNOVATION

KONI invests heavily in innovation. It is one of our core qualities required to continue to produce highly qualified shock absorbers.

In KONI's vision, innovation is the ultimate way to keep improving the world through technology and maintain being a market leader when it comes to car, bus, truck, and trailer, or recreational and specialty solutions.

The research, development and engineering departments of KONI are totally committed to the KONI philosophy of offering the best shock absorber and life expectancy for any application. Contemporary computer supported design technologies, highly (often internally) trained and motivated personnel and the availability of extended measuring and testing facilities lead to well researched and thoroughly developed new products. All of the new product developments are executed under the regime of the international automotive industry standard ISO TS 16949, which secures that all products fully meet their determined objectives – in every aspect.



CONTINUITY

Market Leading Dampers

- KONI shock absorbers are market leading products
- Long lifetime of the dampers
- ISO TS16949 quality certificate
- Increased comfort and road-holding performance
- Worldwide OEM contracts
- Low warranty rates

KONI dampers last extremely long. For KONI trailer dampers, a lifetime of more than 500.000 kilometers is no exception. The combination of the adjustability and the availability of replacement bush kits extend their lifetime even more. That's why KONI dampers have the lowest cost per mile.

Our engineers benefit from KONI's many years of know-how and experience in supplying to Original Equipment Manufacturers (OEM). Also, our involvement in special projects such as rallies and other racing activities enhance the development of car, bus, truck & trailer dampers.

KONI shock absorbers are specifically developed for any type of vehicle or driving condition. Be it military or construction vehicles we deliver with precisely determined damping forces and characteristics. A KONI is never a simple copy of the

original but a tailor made design. This way you get the best comfort and road-holding performance.

KONI grew from being a small regional producer into a world renowned manufacturer. Today, we have more than 80 official KONI Distributors worldwide, specialized in either Car applications, or Bus Truck and Trailer applications, or even both. KONI exports to more than 90 countries.

KONI shock absorbers are used by leading OE suppliers, including: Opel, Fiat Chrysler, Alexander Dennis, Van Hool, VDL, Temsa, KARSAN, Volvo Bus, Isuzu, Irizar, Kenworth, Weweler, SAF, Assali Stefen, Gillig, New Flyer, Navistar, Renault, John Deere, and Agco.



STR.T

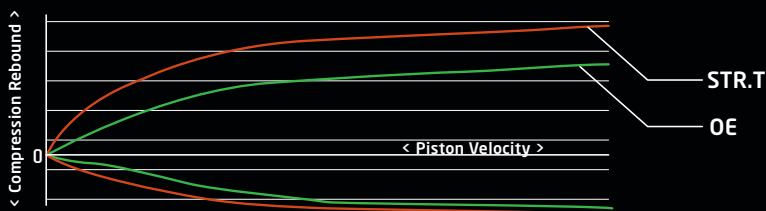
KONI PERFORMANCE, THE BEST ALTERNATIVE FOR A REPLACEMENT PRODUCT

- Entry-Level Performance Shocks and Struts
- Product Complements Stock or Performance Lowering Springs
- Perfect for OE Replacement or Vehicle Improvement
- Non-Adjustable Damping
- KONI Quality Standards

KONI's entry-level performance STR.T (pronounced "street") shocks and struts bring improved handling and KONI quality to the quality oriented driving enthusiast. Whether to simply refresh and upgrade a stock vehicle, or to match street performance with lowering springs and other modifications, KONI STR.T provides unrivaled value at its cost.



STR.T Damping Force Comparison





STR.T KIT

PERFORMANCE LOWERING & HANDLING UPGRADE ONE PURCHASE, ONE INSTALLATION

- Entry-Level Performance Shock Absorber
- Approx. 25-40mm of Body Lowering with H&R Lowering Springs
- Premium Quality and performance as an alternative for replacement products
- Non-Adjustable Engineered Kits for Specific Vehicle Applications
- Made in KONI factories with KONI Quality standards

The entry-level performance KONI STR.T 1120 Kits provides world-class suspension control matched with H&R Springs with one purchase and one installation for the performance and quality oriented enthusiast. KONI takes the guess work out of properly matching shocks with springs.





SPORT

LEGENDARY HANDLING CONTROL

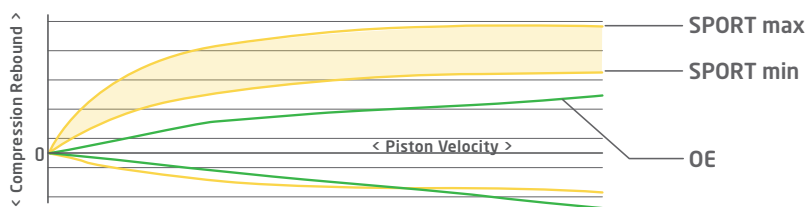
EXTERNAL REBOUND DAMPING ADJUSTMENT ON MOST CARS

- Comfortable Ride Quality and Corner Carving Handling Control
- Excellent Choice for Multi-Use Cars
- Best KONI Shock for All Performance Lowering Springs
- Double Adjustable and Race Valved Versions Available for Key Applications
- Made in KONI factories with KONI Quality standards

KONI Sport struts and shocks are the industry leader for user-adjustable damping for daily drivers to weekend warriors. KONI Sport's familiar yellow color has for decades meant superior motion control and adjustability for the discerning driving enthusiast.



SPORT Damping Force Comparison



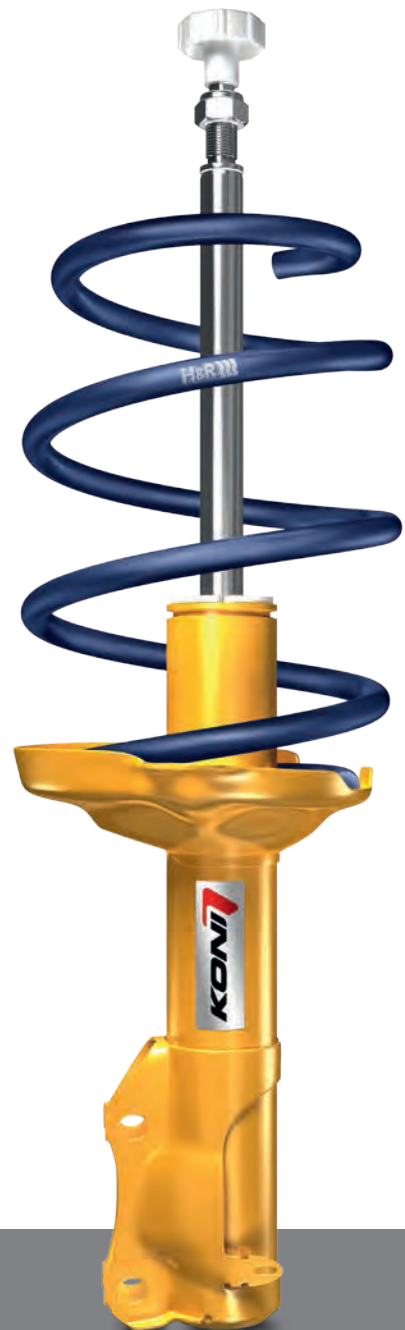


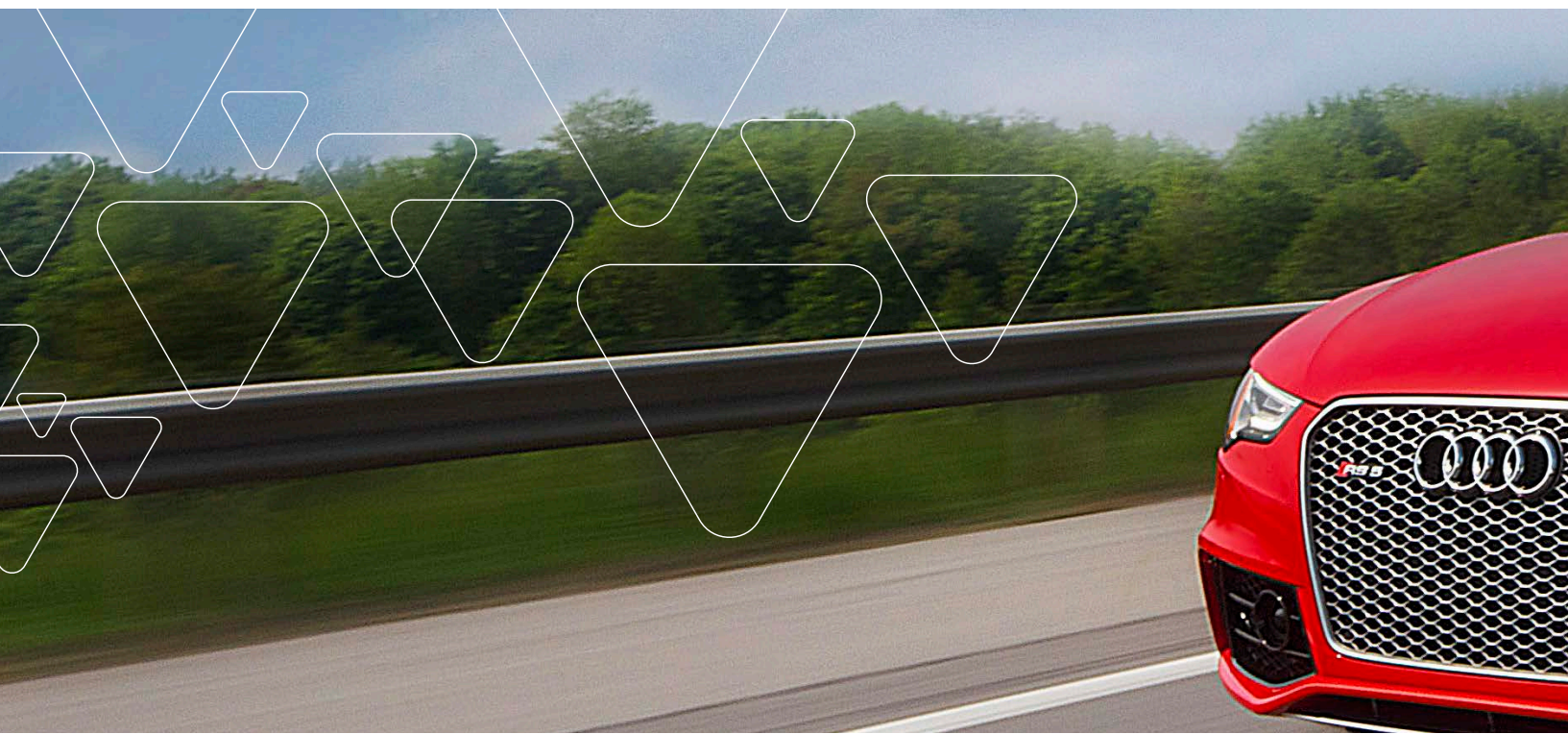
SPORT KIT

**MATCHED ADJUSTABLE DAMPERS & LOWERING SPRINGS
PERFORMANCE SUSPENSION EXCELLENCE IN ONE BOX**

- Optimized Street or Track Performance
- KONI and H&R: World Class Brands Partnered Together
- Approx. 25-40mm of Body Lowering with H&R Lowering Springs
- Engineered Kits for Specific Vehicle Applications
- Made in KONI factories with KONI Quality standards

KONI Sport 1120 Kits are a complete car-set of high performance, adjustable KONI Sport dampers and precisely fitting H&R Lowering springs, all matched together in one box. Two world-class suspension control brands come together in partnership to upgrade and refine the character and performance of your car. Crisp handling, reduced wheel gap, owner-adjustable tuning, and rebound valving adjustability allow tuning for ride and handling preferences, usage, and long-term wear compensation. All that with the peace of mind that your springs and dampers are matched to bring out the best of your car's suspension.





FSD: FREQUENCY SELECTIVE DAMPING

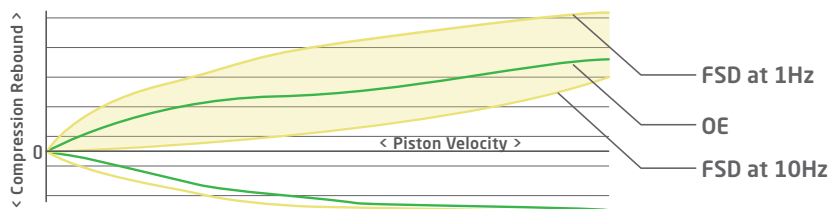
IMPROVED HANDLING WITHOUT COMPROMISING RIDE QUALITY
SUPERIOR COMFORT ON IMPERFECT ROADS

- Patented FSD Parallel Valve Design
- Improved Performance and Comfort Working Together
- Driving Refinement for Cars, Trucks, RVs, etc.
- Made in KONI factories with KONI Quality standards

FSD is the first premium shock absorber that offers superior handling without compromising ride quality for cars and light trucks, SUVs, motor homes, and service vehicles. FSD is firm to control large body motions and cornering, but soft for comfort over expansion joints and rough roads. FSD's patented technology not only adds comfort and refinement, but also improves grip and safety in daily driving.



FSD Damping and Frequency Force Comparison





FSD KIT*

FSD RIDE & HANDLING WITH LOWERING REFINEMENT AND PERFORMANCE UPGRADE

- Refined FSD Ride Quality on All Road Surfaces
- Approx. 25-40mm of Body Lowering with Eibach Pro-Kit Springs
- Available for Many Newer Cars, More in Development
- Made in KONI factories with KONI Quality standards

KONI's FSD 2150 Kits are a complete car-set package of four KONI FSD (Frequency Selective Damping) patented technology dampers, properly matched with Eibach Pro-Kit springs to bring out the best balance of comfort, performance, and lowering. Upgrade your car without the common compromises of sacrificing ride quality to gain performance or needing to keep the large stock wheel gaps to avoid ride harshness. KONI's FSD Kit brings you the best of both worlds.

*available in selected markets





SPECIAL & CLASSIC

IMPROVED RIDE AND HANDLING PERFORMANCE
REBOUND DAMPING ADJUSTABLE

- The Shocks That Earned KONI's World-Class Reputation
- Red (Special), Black or Red with KONI Winged Logo (Classic)
- Broad Application Range Including Older Performance Cars
- Use for Replacement and Vehicle Upgrade
- Made in KONI factories with KONI Quality standards

KONI Special and Classic shock absorbers are available for many older performance cars. KONI selects the most appropriate damper technology and develops every shock absorber specifically for each application to bring out the best possible ride and handling. KONI Special and Classic continue to be the industry standard for older performance cars.





COIL-OVER KITS

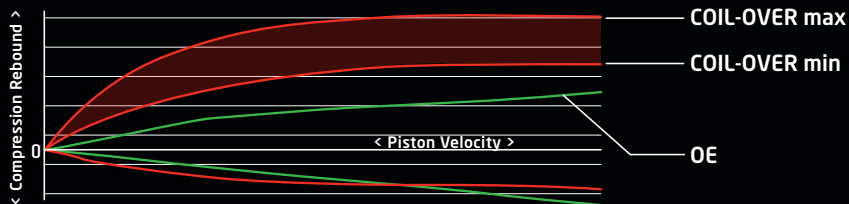
RIDE HEIGHT AND REBOUND ADJUSTABLE TUNED PROGRESSIVE SPRINGS

- Threaded Bodies Offer 25-65mm Lowering Range
- Lowering can be Corner-Specific for Weight Jacking and Corner Balancing
- External Rebound Damping Adjustment on Most Cars
- Plated Shock Bodies, Grey Metallic Springs, and Red Anodized Spring Seats
- Made in KONI factories with KONI Quality standards

KONI Coil-Over kits match the world-class KONI Sport adjustable valving with progressive lowering springs, ride height adjustable perches, and threaded bodies. Each application is specifically tailored to provide great handling and a large ride height adjustment range with a good streetable ride quality.



COIL-OVER Damping and Force Comparison





RAID & HEAVY TRACK

ROBUST CONSTRUCTION

IMPROVED ROAD HOLDING

- KONI Special Technology, Up-Sized for Light Trucks and SUVs
- RAID: Extreme Durability Proven in The World's Toughest Conditions
- Heavy Track: Improved Handling and Ride for Big Vehicles
- Mono-Tube or Twin-Tube Design Based on Application
- Made in KONI factories with KONI Quality standards

KONI RAID and Heavy Track are specially developed for the on-road and off-road challenges of Light Trucks, 4x4s, and SUVs. Tested and used under the world's most extreme conditions, these KONI dampers satisfy the highest demands regarding safety, stability and road holding grip. For many years, KONI RAID shocks have been the damper of choice for many Dakar Rally racers and support vehicles in Africa and South America where performance, strength and safety are paramount. KONI RAID shocks served their duty on BBC TV's Top Gear North Pole Special and driving up an Icelandic volcano. African Jungle or Urban Jungle, KONI RAID and Heavy Track are ready for the challenge.





BUS DAMPERS

Type 88/90

These traditional robust damper types have been used for many years on buses and other commercial vehicles. Well-known for ride quality, adjustability and durability, these dampers are a perfect solution for all countries where the robustness is an important asset. Flexible tunability can be combined with FSD and other features including hydraulic rebound and special rubber mounts. Safety and reliability are proven and result in a low cost of ownership.



Type 89/99 EVO Range

These dampers are equipped with the latest technology in regard to comfort, tunability and weight reduction. The combination with increased strength makes these dampers very suitable for the very harsh transit bus environment. The unique valving technology provides an unrivaled comfort level which, combined with the specially designed rubber mountings, is extremely silent. The extended durability and extremely strong construction guarantee a damper that matches the life expectancy of the modern fleet.





Steering Damper

For safety and comfort many bus builders use the KONI steering damper. Its robust design combined with the accurately tuned damping in mid position provides a great straight ahead stability. Quick steering on roundabouts or in corners is not compromised and provides safe handling of the vehicle.

FSD

All KONI products are designed to accept the patented Frequency Selective Damping technology. The FSD mechanical system provides an automatically selected lower damping level whenever the axles need to follow road imperfections. At the same time it maintains an increased level of vehicle body control. The comfort and handling capabilities of the vehicle are of the same level as with electronically controlled systems.





TRUCK AND TRAILER

TRUCK - Type 88/90

Truck, tractors and construction equipment benefit from an extensive range of dampers. Durability, comfort and road holding are combined in a specific range of dampers that can be used from deserts to the arctic on all possible roads.



TRAILER - Type 91

Since the introduction in 1999 of this unique trailer damper which was developed by KONI for horizontal use, many improvements have been achieved, resulting in the strongest best performing product in the market. OEM's prefer the damper for extreme conditions in Australia and Eastern Europe, where the high temperature performance and strength is a must-have for survival. An extensive aftermarket program is also available for all trailers.



WORKING WITH KONI

KONI, an ITT Company, is one of the world-leading providers of shock absorption technology and services. KONI helps thousands of companies and people to improve their street and racing cars, buses, trucks, trailers, railway rolling stock, defense and industrial applications. KONI serves the worlds needs by a global network of official KONI Distributors.

To find out more about our solutions, please contact KONI directly.

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