Introducing the exclusive Dual-Adjust Monotube Damper Coilover System from Cusco. For those who work with millisecond intervals of competition.

Available for select motorsports competition oriented applications, The “TN” Series comes in two specifications, TN-S and TN-R.

The new “TN” Series dampers provide 24-click independent adjustment of both compression and rebound, allowing up to 576 combinations of settings that can be fine-tuned for motorsport precision requirements. Primarily developed for regulations which do not allow separate reservoir tank systems equipped with our Sport-X lineup, the TN series will suffice to meet the demands of equally competitive field.

Both specifications will allow wide range of adjustments for the dampers, and are available with recommended spring rates, as well as custom-order spring rates. The TN-S uses rubber upper mount for increased compliance over wider varieties of terrain, and comfort for street stage as well as endurance stage comfort and tactility. The TN-R uses dedicated aerospace-grade, ball-joint upper mount, with optional caster/camber adjustment for strut assembly configured units. In addition, strut configured models feature inverted cartridges for maximum rigidity.
Concept behind the Cusco Sport TN-S / Street Sports Tire Optimized

We've developed the Sport TN-R for exacting needs of the raceway, however, to enable more users to enjoy the precision, adaptability, and to cater to the aficionados of the best that Cusco has to offer, we have created the TN-S models. The TN-S uses longer stroke case and piston combinations to allow wider range of road use for the street, and damping and spring combinations to allow a more comfortable, compliant motion and less aggressive overall characters. As with all Cusco suspension systems, the TN Series too, undergo a very careful individually suited testing and parts configurations for each model, and we assure each system match not only the specific car, but also the stage in which they are intended to be used.

- Strut configurations use inverted layout dampers and camber adjustable upper mounts for optimum rigidity and alignment precision at front. And rubber mounts for the rear to enhance compliance and allows use in wider range of surfaces.
- For avid and seasoned drivers who prefer professional level customizations and familiar with specific adjustment techniques even on road cars. For more user-friendly single adjust Cusco tuned system, see Cusco Sport-S systems.
- Highly tailored for drivers who compete on street performance tires with UTQG ratings of 200 and higher and cannot use racing compounds for regulations. For race tire compatibility, see TN-R spec coilover system.
- Optional CASTER/CAMBER front upper mounts are also available, as well as custom spring rates at the time of ordering.
- Twin-Needle Valve Adjustment separates the already excellent balance used on single adjust system of Sport S series, and caters to professionals with completely independent DUAL adjustment of low speed compression rate and rebound rates for critical level personal tuning.
For the Perfectionists in Motorsports Drivers / Optimized for Competition Tires

Cusco TN-R Dual Adjustable Dampers take the Sport R to the next level by offering perfect and independent control of compression and rebound damping. While the Sport R Series is matched well to most capable of drivers and situations, the TN-R Series adds even more fine tuning for professionals among drivers who measure laps in milliseconds.

Tuned specifically for R-compounds, the TN-R will offer a wide range of adjustments dialed in at high grip level of track dedicated tires with UTQG Ratings of under 200. Because it is designed for the full-time racing applications, the system takes no shortcuts and is built and configured without compromises for the street.

- Tuned Specifically for Track Tires with UTQG under 200
- Competition Use dedicated configuration using aerospace-grade ball-jointed upper mounts with optional Caster/Camber control or standard Camber only control. Suspension stroke is limited to track use variables and fluid/gas volume is maximized as the result.
- Strut configurations use inverted strut cartridge for maximum rigidity and alignment under loads, as well as camber control lower key-bolt.
- Twin Needle Technology allows compact adjustment system to maximize robust internal components and damper chamber volume even with the Dual Adjust feature.
- Cusco “BLUE” Springs are utilized for high level of compliance and consistency in motorsports driving conditions.
- Custom Configurable at the time or order for specific piston/case dimensions as well as damper valve and shim characters. Spring rates are also custom configured in addition to our recommended specifications.
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## Cusco SPORT TN-R Product Applications

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