



ADVANCED HRS

As an integral part of Monroe® Ride RefineTM systems, the Advanced Hydraulic Rebound System offers a revolutionary solution for absorbing peak loads and minimizing noises during high bumps and deep potholes. Ensuring optimal energy absorption without compromising comfort and increasing body control.

KEY FEATURES:

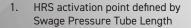
- Effectiveness: High damping forces for optimal load absorption. The additional damping force is generated thanks to a swaged pressure tube with 6 dents and a bleed area in the sealing ring which are both tunable design features.
- Compact and innovative Design: The lightweight design of the system incorporates an inventive grooved and swaged pressure tube, coupled with a high-strength sealing ring, ensuring a seamless transition to HRS activation.
- Improved Tunability: Tailor the system to meet the unique load requirements of any vehicle, delivering outstanding ride comfort in all situations.
- Durability: Built to withstand rigorous conditions for long-lasting performance.

ADVANCED HYDRAULIC REBOUND STOP SOLUTION:

- Key product for BEV and heavy vehicles to manage the higher loads while not impacting the stroke.
- Avoid Topping Noise: Experience noise reduction even at high loads at maximum damper extension.
- Highly tunable and durable.

HOW THE SYSTEM WORKS:

The design allows for a more progressive and tunable response across a broad range, minimizing the rebound load while maintaining peak performance.



- 2. HRS progressivity defined by the PT grooves dimensions
- 3. HRS peak force defined by the sealing ring gap when is the full engage in the HRS pressure tube diameter

