

# HENDRICKSON SPRING

Advanced Spring Technology

## Hendrickson uses unique manufacturing technology to revolutionise leaf spring performance.

Proprietary technology allows Hendrickson engineers to produce more efficient springs that reduce weight and improve ride performance and durability. Hendrickson rapidly advanced this technology, providing spring designs that reduce weight by as much as 70 percent over conventional multi-leaf springs. Today, Hendrickson has further advanced state-of-the-art spring technology with additional weight and cost reductions, while taking another step forward in increasing strength and spring life.



Hendrickson and MBHA have a joint operation sharing technology, manufacturing and world-wide distribution of commercial vehicle leaf springs.



 HENDRICKSON  
*The World Rides On Us™*

# Springs and Bushings

A leader in reducing weight and improving ride quality, reliability and performance.



## MONOLEAF SPRING

This innovative spring design provides truck steer axles with a more efficient suspension system for significant weight reduction.



## VOCATIONAL PARABOLIC SPRING

Hendrickson designs and produces a variety of rear heavy-section parabolic springs for vocational applications, such as 6-rod suspensions.



## PARABOLIC TAPER-LEAF SPRING

Hendrickson is the leading manufacturer of parabolic taper-leaf springs, custom designed for a variety of on-highway and vocational trucks. The parabolic taper spring is constructed using our proprietary process and materials.



## MULTI-LEAF SPRING

Hendrickson designs and produces multi-leaf springs for a variety of applications. Rugged yet efficient, the multi-leaf is subject to all of Hendrickson's stringent design and quality assurance standards.



## AIR BEAM

Hendrickson's proprietary heavy-section material and forming experience gave birth to innovative solutions for the popular air suspensions in demand today. Years of product research and development have resulted in efficient suspension main support members that provide excellent ride without sacrificing handling.



## Z-SPRING

Hendrickson's innovative design and manufacturing capability has resulted in efficient air suspension main support members that are both durable and high performing. This design provides enhanced durability compared with non-genuine springs.



## MAINTENANCE-FREE BUSHINGS

Hendrickson's unique elastomer design capability results in low cost, high performance, durable and maintenance-free bushings.

## LASER LUBE® BUSHING

The Laser Lube® Bushing incorporates design improvements that help combat three major problems encountered by front spring and eye bushings — lack of lubrication, contamination by dirt and moisture and permanent distortion of the bushing's shape.

## A Material Difference

*Hendrickson's engineers work closely with major steel manufacturers to produce unique, top-quality, fine-grain steel with high tensile strength and improved durability. The steel is rolled into spring leaves by Hendrickson's computer-controlled, taper rolling mills. Uniform fine grain, high strength and toughness are then assured by a proprietary heat treatment process. Precision-machined, solid-die tooling controls spring stress distribution and load height. All critical surfaces of Hendrickson taper springs are then mechanically treated using a proprietary peening process to further improve fatigue resistance.*

*As the world leader in the production of heavy-duty and medium-duty truck springs, Hendrickson continues to improve spring design and performance by operating the largest laboratory in North America dedicated to spring research and development.*

[www.aimme.es/mbha](http://www.aimme.es/mbha)

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