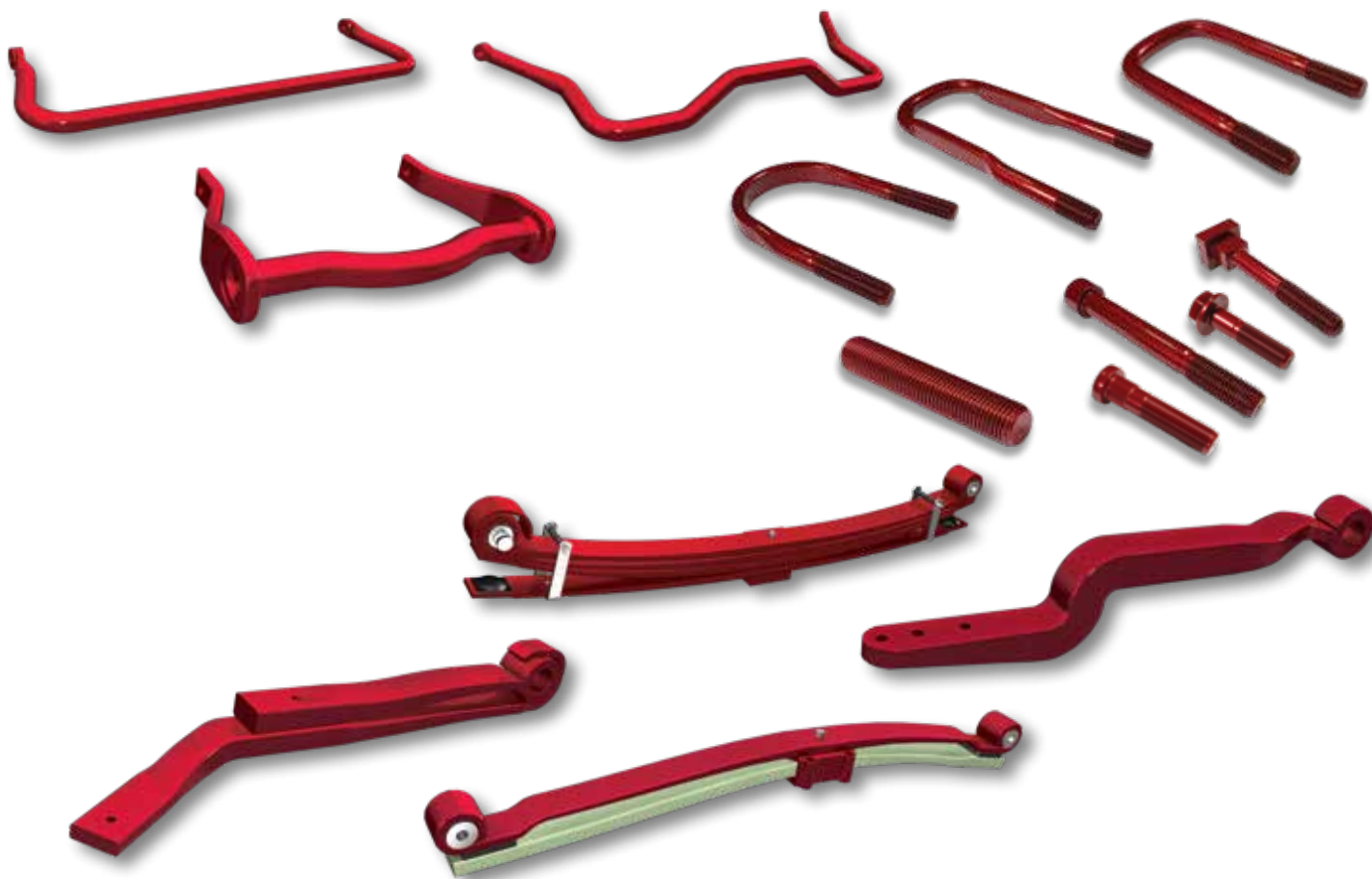


COMPONENTS



As a leader in our industry, we are committed to advancing global suspension technology. In our proprietary, state-of-the-art research and design centers, our engineers develop products for today and ride solutions for future generations – Hendrickson is the world's suspension partner for your transportation needs.

Leaf Springs

- We offer and design a wide range of springs and air links from mono- to multi-leaf solutions applicable for light through heavy-duty commercial vehicles
- Whatever the end user requires reliability, durability, weight reduction or innovative designs
- Our weight-saving solutions can total up to 100 kg saved per truckload; we understand every kilo counts in the transportation industry

Stabilizers

- We offer various versions with solid, tube or welded designs, to further enhance commercial vehicle stability, handling and comfort while offering superior durability adding value to the end users
- Hendrickson expertise lies in medium- to large-diameter stabilizers delivering state-of-the-art stabilizers up to diameters of 65 mm
- Our tube stabilizers are up to 45 percent lighter than solid stabilizers, enabling significant weight savings and reduction in unsprung masses

U-Bolts and Fasteners

- We are a European market leader in the segment of U-bolts for medium- and heavy-duty commercial vehicles
- In recent years, production also includes threaded rods, socket-cap bolts, wheel studs, center bolts and pins used in commercial vehicles, hydraulic cranes, wind power turbines and other industries, so our products come in various shapes and forms
- Our highly automated production processes are adapted to meet the customer's requirements and include cold and hot bending, hot forging and thread rolling before or after heat treatment, as well as inhouse coating

To learn more about COMPONENTS, call Hendrickson or visit our global websites for additional information.

HENDRICKSON
The World Rides On Us®

COMPOSITE SPRING *Features and Benefits*

Hendrickson's composite springs are the proven choice for today's innovative ride solutions

Filament Winding

- Continuous glass filaments, running from end to end of the leaf
- Constant cross section beneficial for uniform stresses
- Avoiding stress risers and enabling highest performance

Proven Technology

- Millions of springs produced with nearly zero ppm
- Operating range between -40°C to +70°C (-40°F to +160°F)
- High filament weight fraction: 68-74 percent

Weight Savings

- Significantly lighter than traditional steel springs (up to 50 percent savings)
- Can be paired with steel leaves for hybrid solutions and optimal vehicle integration

Corrosion Resistant

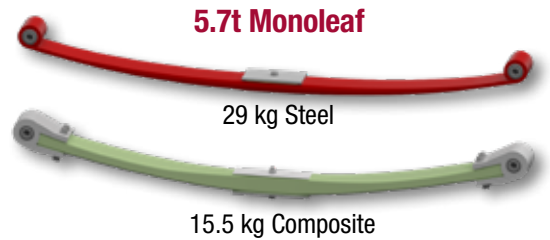
- Excellent chemical, humidity and creep resistance
- Paint is optional

Excellent fatigue performance

- Continuous filaments providing highest strength possible
- Typically meet or exceed the performance of equivalent steel leaf springs
- Must stay below maximum stress threshold

In case of fracture a safe failure mode

- NO INSTANT FAILURE - spring will gradually loosen ride height, when individual tension fibers fracture



SNAKE SPRING *Features and Benefits*

Snake Spring Technology developed by Hendrickson offers durability, weight savings and reduces cost, enhancing spring performance, compared to traditional two- or three-leaf spring packages by using only one leaf.

- Progressive spring rate – customized to the vehicle manufacturer's intended application
- Improved comfort at a reduced load without compromising stability in a laden state
- Reduced complexity through component removal (Shackle ev. Stabilizer)
- Up to 20 percent weight reduction compared to a traditional multi-leaf package while maintaining the characteristics



Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.
All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.
Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.

Call Hendrickson or visit our global websites for additional information.



840 South Frontage Road, Woodridge, IL 60517-4904 USA
+1.630.874.9700 • www.hendrickson-intl.com

Hendrickson
Commercial Vehicle
Systems Europe GmbH
Gussstahlwerkstraße 21
8750 Judenburg, Austria
+43 664 817 13 60
eu.hendrickson-intl.com

Hendrickson
Truck Commercial
Vehicle Systems
800 South Frontage Road
Woodridge, IL 60517-4904 USA
+1.855.743.3733
+1.630.910.2800
www.hendrickson-intl.com

Hendrickson
Trailer Commercial
Vehicle Systems
2070 Industrial Place SE
Canton, OH 44707-2641 USA
+1.866.743.3247
+1.330.489.0045
www.hendrickson-intl.com

Hendrickson
Commercial Vehicle
Systems Oceania
32-44 Letcon Drive
Dandenong South, Victoria,
3175 Australia
+61 3 8792 3600
aus.hendrickson-intl.com

Hendrickson
Commercial Vehicle
Systems China
No. 1668
North Section of Chunbo Road
East New Dist of Jinan High-Tech
Industrial Development Zone,
Jinan City, Shandong Province,
China, 250104
+86 531 8880 9055
china.hendrickson-intl.com

Hendrickson
Commercial Vehicle
Systems India
Plot No. 4 & 5, Gat. No. 679/2
Behind Hotel Gandharva
Alandi Kuruli Road, Kuruli (Chakan)
Taluka Khed, Pune 410501, India
+91 2135 662600
india.hendrickson-intl.com

Hendrickson
Commercial Vehicle Systems
UK
1-9 Booth Drive
Park Farm Industrial Estate
Wellingborough, NN8 6GR,
England
+44(0) 1604 493161
uk.hendrickson-intl.com