HN® FR SERIES

HN FR Suspension 42 - 58K
Fire / Rescue

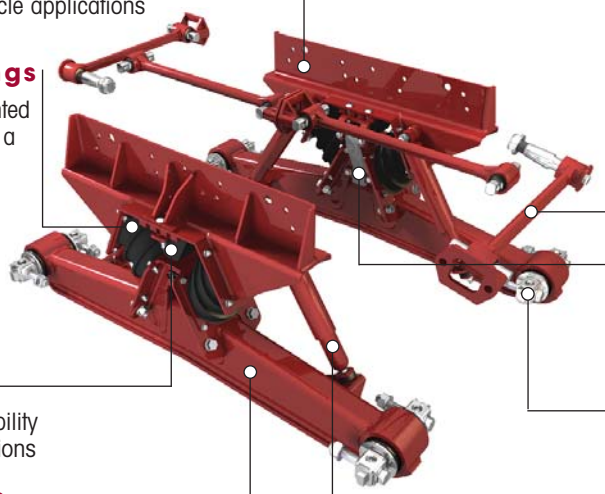
The ideal combination of stability, ride quality, lightweight, and articulation

With nearly a century of experience in the design and manufacture of heavy-duty truck suspensions, Hendrickson introduces yet another landmark product for the fire and rescue industry. Providing an ideal combination of stability, ride quality, lightweight, and articulation, the HN® FR family of rubber suspensions delivers the exceptional performance that the industry has come to expect from the leader in suspension technology. With ratings up to 58,000 lbs., the HN FR Series offers a full range of rubber suspensions to meet the unique needs of the fire and rescue industry.

For additional information, call **630.910.2800** or visit our web site at **www.hendrickson-intl.com**.

HENDRICKSON

The World Rides On Us™



VariRate® Spring System

- Delivers a combination of superior stability, articulation and ride
- System can be tailored to meet the specific needs of unique vehicle applications

Rubber Bolster Springs

- Lightweight, diagonally mounted rubber bolster springs deliver a smooth ride and outstanding articulation
- Wide spring centers enhance stability and eliminate need for cross tube

Auxiliary Springs

- Engage to provide added stability for more demanding applications

Equalizing (Walking) Beam

- Distributes load equally between both axles for improved traction
- Center bushing eliminated for reduced maintenance

Saddle Assembly

- Weight-saving, high-strength design increases carrying capacity and durability

Shock Absorbers

- Specially tuned to reduce wheel hop and enhance ride quality and handling

Torque Rods

- Enhance handling during braking and cornering
- Transverse rods ensure axle position and lateral stability
- Longitudinal rods engineered to optimize resistance to axle wind-up during acceleration and braking

Rebound Control Strap

- Protects bolster springs from severe rebound tension

Bar Pin Beam End Connection

- Extends bushing life and allows axle alignment capability for improved tire life

The HN® FR suspension system utilizes a VariRate spring system to provide the perfect balance of empty ride quality and loaded stability. Its diagonally mounted rubber bolster springs act in compression and sheer to deliver superior ride quality by dissipating road shock, while its extra wide spring centers and Hytrel® auxiliary springs provide outstanding stability under challenging conditions. Hendrickson's lightweight HN FR Series increases stability, performance and ride quality, making HN FR the ideal rubber suspension for the fire and rescue industry.

HN FR Specifications

	HN 422FR	HN 482FR	HN 542FR	HN 582FR
Suspension Weight[1]	888 lbs.	911 lbs.	991 lbs.	1,011 lbs.
Suspension Rating[2]	42,000 lbs.	48,000 lbs.	54,000 lbs.	58,000 lbs.
GVW Approval[3]	73,000 lbs.	80,000 lbs.	80,000 lbs.	90,000 lbs.
Diagonal Articulation[4]	17 in.	17 in.	17 in.	17 in.
Ride Heights	9.5, 10.5, 11.5, 13.25 and 15.5 in.	9.5, 10.5, 11.5, 13.25 and 15.5 in.	9.5, 10.5, 11.5, 13.25 and 15.5 in.	9.5, 10.5, 11.5 13.25 and 15.5 in.
Axle Spacing	52, 54, 60, 72.5 in.	54, 60, 72.5 in.	54, 60 in.	54, 60 in.

1. Suspension weight includes complete suspension, as shown above, at 9.5-in. ride height and 54-in. axle spacing.
2. Capacity ratings approved for fire and rescue applications only.
3. Contact Hendrickson for applications that may exceed GVW approval ratings.
4. Suspension articulation may exceed vehicle's capability and may be limited by vehicle manufacturer; vehicle manufacturer installed axle stops may restrict suspension's articulation.

- Hendrickson approves the use of HN FR in fire and rescue vehicle applications. All such applications must comply with applicable Hendrickson specifications and must also be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration. Contact Hendrickson and the respective vehicle manufacturer for approval of additional applications.
- For additional details regarding specifications; applications; capacities; and operating, service and maintenance instructions, refer to applicable Hendrickson technical literature (available at www.hendrickson-intl.com) or contact Hendrickson at 630-910-2800.
- Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

www.hendrickson-intl.com

HENDRICKSON®

SmartWay™ Transport Partner
Getting There With Cleaner Air

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