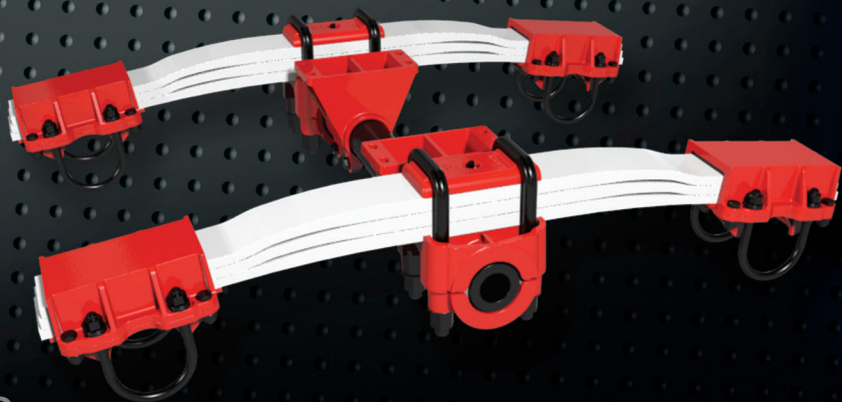




900 SERIES

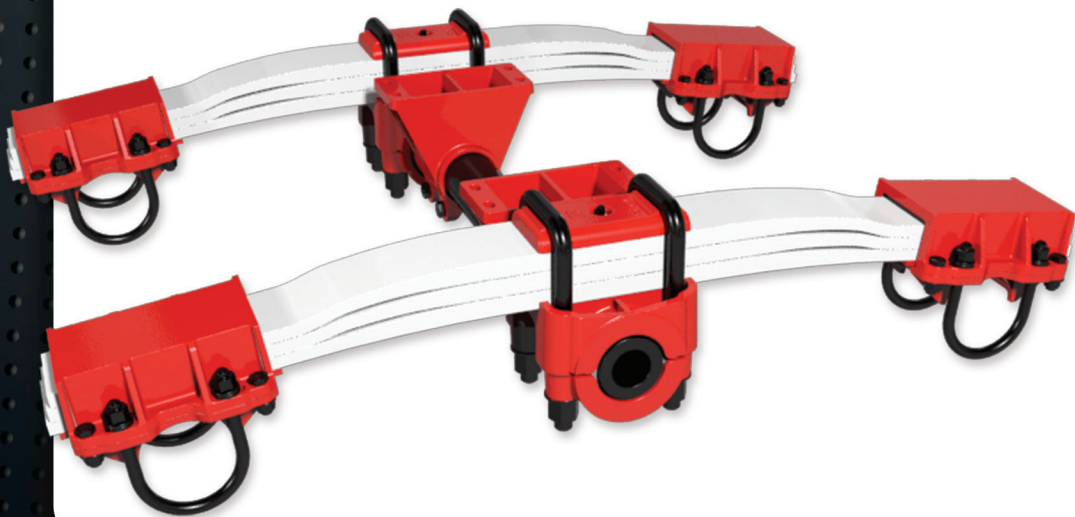


TRAILER SUSPENSION SYSTEMS

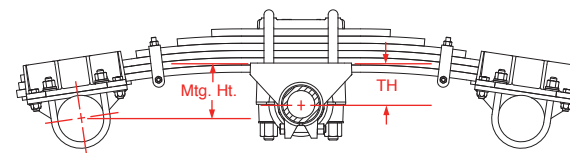
The Hutch 900 Single Point Suspension offers the superior durability, reliability and performance that your fleet deserves – and it is backed by Hutchens' on-time delivery, warranty, and commitment to after-sale support and service.

Designed for heavy-duty, on and off-road applications, the Hutch 900 is a single point suspension that attaches to the trailer frame at a single location – which makes it ideal for logging, heavy load hauling and dump operations.

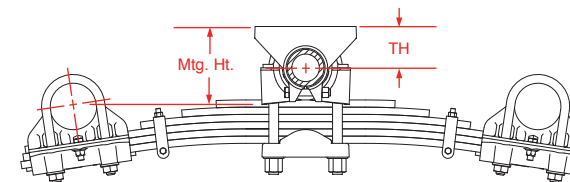
- Features extra heavy-duty 5" wide leaf springs and cast steel parts.
- Accurate spring alignment preserved by the use of rugged spring guides on the trunnion casting.
- A split trunnion casting permits easy maintenance and replacement of trunnion bushings.
- Axle alignment and realignment made possible by adjustable plates within the spring-end boxes. One adjustment plate on each axle is welded at the factory. After axle alignment is completed, the installer welds the other adjustment plate to ensure sustained axle alignment.
- For increased life and flexibility, thick rubber pads are used above the spring leaves in the axle boxes which permit greater twist freedom...a standard flexibility feature that reduces wear and promotes better ride characteristics.
- Weight capacity ratings of 36,000, 42,000, 44,000, 50,000, 60,000 and 70,000 lbs., with weight-saving two and three leaf units also available.



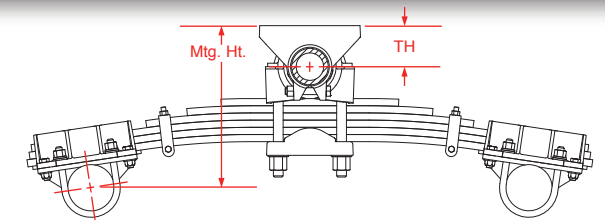
900 SERIES TRAILER SUSPENSION SYSTEMS



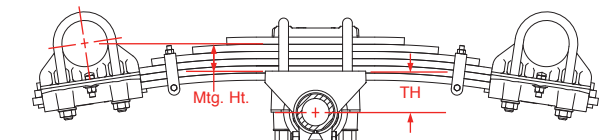
Overslung Axles - Overslung Trunnion



Underslung Axles – Underslung Trunnion



Overslung Axles – Underslung Trunnion



Underslung Axles – Overslung Trunnion

Note: The above drawings are views of the suspension as seen from the centerline of the trailer.

Numerous mounting heights, axle and trunnion combinations are possible. These include overslung (springs over axles) and underslung (springs under axles) axle units as well as overslung (springs over trunnion) and underslung (springs under trunnion) trunnion configurations. As shown above, Mounting Height (Mtg. Ht.) is the vertical distance from the center line of the axle to the top of the trunnion hanger while Trunnion Height (TH) is the vertical distance from the centerline of the trunnion tube to the top of the trunnion hanger. Trunnion hangers are available in heights of 2 ½", 4 ½", 6 ½" and 8 ½". Axle seats are available to accommodate 5", 5 ¾" and 6" round axles or 5" x 5" square axles.

Options

16793-01 Mounting Bracket

To help ease the installation of your 900 Series suspension you may wish to order a pair of Hutch mounting brackets (Part #16793-01).



Straddle Mount

For a more integrated installation solution consider the Straddle Mount trunnion hanger option.





How To Order Your 900 Series Single Point Suspension System

With so many options available on the 900 Series suspensions, any order must begin with a complete description of the unit. The following procedure will provide the descriptive information required:

1. Determine which 900 Series suspension will meet your weight requirements – 36,000#, 42,000#, 44,000#, 50,000#, 60,000# or 70,000# GTWR.
2. Select the mounting height that your particular application requires. A Mounting Height Chart may be found on page 4 of the 900 catalog section.
3. Please note that mounting height is dependent upon:
 - a) Axle configuration – Overslung (OS) or Underslung (US).
 - b) Trunnion configuration – Overslung (OS) or Underslung (US).
 - c) Axle size – 5", 5 3/4", 6" Round or 5" X 5" Square.
 - d) Trunnion Hanger Height (TH) – 2 1/2", 4 1/2", 6 1/2" or 8 1/2".
4. In many instances more than one combination will result in the same mounting height. Therefore, all of the aforementioned factors should be taken into consideration when ordering as well as the following:
 - a) Axle Centers (AC).
 - b) Spring Centers (SC).
 - c) Trunnion Centers (TC).
5. To help ease the installation of your 900 Series suspension you may wish to order a pair of Hutch mounting brackets (Part # 16793-01). See inside for illustration.

Example: A 900 Series suspension with a GTWR of 42,000 lbs., a mounting height of 4" for overslung (OS) 5" round axles, an overslung (OS) trunnion configuration with a trunnion hanger height (TH) of 2 1/2", axle centers (AC) of 50 1/2", spring centers (SC) of 38", and trunnion centers (TC) of 22 1/8" would be ordered as follows:

Quantity	Suspension Model	Axle Config.	Trunnion Config.	Axle Size	Trunnion Height	Axle Centers	Spring Centers	Trunnion Centers
1 ea.	900-42	OS (axles)	OS (trun.)	5" Rd.	2 1/2 TH	50 1/2 AC	38 SC	22 1/8 TC

Example: A 900 Series suspension with a GTWR of 50,000 lbs., a mounting height of 9 1/2" for underslung (US) 5" x 5" square axles, an underslung (US) trunnion configuration with a trunnion hanger height (TH) of 6 1/2", axle centers (AC) of 53", spring centers (SC) of 36", trunnion centers (TC) of 20 1/8" utilizing a three-leaf spring* and free oscillating trunnion bushings** would be ordered as follows:

Quantity	Suspension Model	Axle Config.	Trunnion Config.	Axle Size	Trunnion Height	Axle Centers	Spring Centers	Trunnion Centers	Spring* Type
1 ea.	900-50	US (axles)	US (trun.)	5" x 5" Sq.	6 1/2 TH	53 AC	36 SC	20 1/8 TC	3 leaf

w/ free oscillating bushing**

Hutchens also provides a Spec Sheet with the information required to order a 900 Series suspension. The Spec Sheet can be obtained from our Customer Service Department by using the contact information listed below, or by downloading it at www.hutchensindustries.com

Hutchens Industries

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