Spring
Appendix
General Information

1. A Hutchens part number is stamped on all of the steel springs that we supply. For springs with clips, our part number is stamped on the outside of the spring clip. On springs without clips and with hooks, our part number is stamped on the outside of the hook. All other springs are stamped in a visible location on one of the spring leaves.

2. All springs for the 440 and 900 single point suspensions are 5” wide. The 11436-00 and 22429-01 springs are 4” wide. All other springs are 3” wide.

3. The Gross Axle Weight Rating (GAWR) or Gross Tandem Weight Rating (GTWR) is listed for each spring.

4. Weights given are per spring.

5. Deflection charts are per spring NOT per axle.

6. H.D. (Heavy Duty) springs are recommended for widespread applications.

7. Single leaf springs are NOT recommended for tri-axle applications.

### 440

<table>
<thead>
<tr>
<th>20488-01 3 Leaf</th>
<th>GTWR 44,000 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight 217 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

*Galvanized Liner required on the tension surface of spring when installed.

<table>
<thead>
<tr>
<th>24955-01 5 Leaf</th>
<th>GTWR 44,000 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight 266 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

*Galvanized liner required on the tension surface of spring when installed.

**Arch with no load.
9997-00  6 Leaf  GTWR 42,000 lbs.
Weight 294 lbs.

9998-00  6 Leaf  GTWR 42,000 lbs.
Weight 307 lbs.

9999-00  7 Leaf  GTWR 50,000 lbs.
Weight 333 lbs.

10000-00  8 Leaf  GTWR 50,000 lbs.
Weight 383 lbs.

** Arch with no load.
Spring Appendix

10001-00  9 Leaf  GTWR 60,000 lbs.
Weight 410 lbs.

10054-00  5 Leaf  GTWR 36,000 lbs.
Weight 227 lbs.

10055-00  7 Leaf  GTWR 50,000 lbs.
Weight 315 lbs.

11151-00  5 Leaf  GTWR 36,000 lbs.
Weight 236 lbs.

** Arch with no load.
12258-01  3 Leaf  GTWR 50,000 lbs.
Weight 240 lbs.

16258-01  2 Leaf  GTWR 36,000 lbs.
Weight 160 lbs.

24967-01  10 Leaf  GTWR 70,000 lbs.
Weight 440 lbs.

25694-01  5 Leaf  GTWR 25,000 lbs.
Weight 206 lbs.

* Galvanized liner required on the tension surface of spring when installed.
** Arch with no load.
**2300**

**2252-00  8 Leaf, 2300 Suspension**

GAWR 24,000 lbs.

Unless otherwise noted, the spring hook (the long hook if the spring has a hook on each end) should be positioned as follows:

- Single Axle – Hook to rear.
- Tandem Axle (All axle centers) – Hook in rocker on both axles.
- Multi-Axle (All axle centers) – Hook to rear on the front axle, and hook forward on the remaining axles.

**9600-9700**

**Single, Two and Three Leaf Spring Orientation**

* A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.
751-04  **Low Arch, 6 Leaf**  
42 1/2” & 44” Axle Center All Positions. Hook to Rear.

363-00  **Low Arch, Single Leaf**

324-01  **High Arch, 2 Leaf**

* A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.
A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.
**355-00 Medium Arch, 3 Leaf**

<table>
<thead>
<tr>
<th>Load per Spring (x 1,000)</th>
<th>Deflection in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2.0</td>
</tr>
<tr>
<td>18</td>
<td>1.8</td>
</tr>
<tr>
<td>16</td>
<td>1.6</td>
</tr>
<tr>
<td>14</td>
<td>1.4</td>
</tr>
<tr>
<td>12</td>
<td>1.2</td>
</tr>
<tr>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>8</td>
<td>0.8</td>
</tr>
<tr>
<td>6</td>
<td>0.6</td>
</tr>
<tr>
<td>4</td>
<td>0.4</td>
</tr>
<tr>
<td>2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

* Galvanized Liner

Weight 52 lbs.

**356-00 Low Arch, 3 Leaf**

<table>
<thead>
<tr>
<th>Load per Spring (x 1,000)</th>
<th>Deflection in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2.0</td>
</tr>
<tr>
<td>18</td>
<td>1.8</td>
</tr>
<tr>
<td>16</td>
<td>1.6</td>
</tr>
<tr>
<td>14</td>
<td>1.4</td>
</tr>
<tr>
<td>12</td>
<td>1.2</td>
</tr>
<tr>
<td>10</td>
<td>1.0</td>
</tr>
<tr>
<td>8</td>
<td>0.8</td>
</tr>
<tr>
<td>6</td>
<td>0.6</td>
</tr>
<tr>
<td>4</td>
<td>0.4</td>
</tr>
<tr>
<td>2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

* Galvanized Liner

Weight 52 lbs.

**365-00 High Arch, 3 Leaf H.D.**

<table>
<thead>
<tr>
<th>Load per Spring (x 1,000)</th>
<th>Deflection in Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>2.0</td>
</tr>
<tr>
<td>22</td>
<td>1.8</td>
</tr>
<tr>
<td>20</td>
<td>1.6</td>
</tr>
<tr>
<td>18</td>
<td>1.4</td>
</tr>
<tr>
<td>16</td>
<td>1.2</td>
</tr>
<tr>
<td>14</td>
<td>1.0</td>
</tr>
<tr>
<td>12</td>
<td>0.8</td>
</tr>
<tr>
<td>10</td>
<td>0.6</td>
</tr>
<tr>
<td>8</td>
<td>0.4</td>
</tr>
<tr>
<td>6</td>
<td>0.2</td>
</tr>
</tbody>
</table>

* Galvanized Liner

Weight 65 lbs.

* A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.
**Spring Appendix**

### 365-01 Low Arch, 3 Leaf H.D.

GAWR 25,000 lbs.

- **Weight**: 65 lbs.

49" Axle Centers. Tandem & Multi-Axle Configurations. All Positions.

Front Axle Hook to Rear, Remaining Axles Hook Forward.

* Galvanized Liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.

---

### 751-01 Low Arch, 7 Leaf

GAWR 22,400 lbs.

- **Weight**: 92 lbs.

49" Axle Centers. Tandem & Multi-Axle Configurations. All Positions.

Front Axle Hook to Rear, Remaining Axles Hook Forward.

---

### 751-05 High Arch, 7 Leaf

GAWR 22,400 lbs.

- **Weight**: 93 lbs.


Hook in Rockers.
**751-06  High Arch, 7 Leaf**
Single Axle, Tandem & Multi-Axle Widespread Configurations. All Positions. Hook to Rear on All Axles.

**751-08  High Arch, 7 Leaf**
49” Axle Centers. Middle Spring for Multi-Axle Configurations. Long Hook to Rear.

**752-01  Low Arch, 8 Leaf H.D.**

*A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.*
752-02 Low Arch, 8 Leaf H.D.
Widespread Tandem & Multi-Axle Configurations. All Positions. Hook to Rear All Axles.

752-05 High Arch, 8 Leaf H.D.

752-06 High Arch, 8 Leaf H.D.
Single Axle, Tandem & Multi-Axle Widespread Configurations. All Positions. Hook to Rear on All Axles.
752-07 High Arch, 8 Leaf H.D.  
GAWR 25,000 lbs.  
49" Axle Centers. Middle Spring for Multi-Axles Configurations. Long Hook to Rear.  
Weight 102 lbs.

11179-00 Low Arch, 9 Leaf H.D.  
GAWR 25,000 lbs.  
Weight 110 lbs.

11180-00 Low Arch, 9 Leaf H.D.  
GAWR 25,000 lbs.  
Widespread Tandem & Multi-Axle Configurations. All Positions. Hook to Rear All Axles.  
Weight 111 lbs.
Spring Appendix

16710-01 Medium Arch, 2 Leaf, 2 Stage


Load per Spring in pounds (X 1,000)

Deflection in Inches

* Galvanized Liner

17882-01 Medium Arch, 2 Leaf, 2 Stage

Middle Spring for Multi-Axle Widespreads.

Load per Spring in pounds (X 1,000)

Deflection in Inches

* Galvanized Liner

16316-01 Low Arch, FRP Composite

This Spring is Symmetrical and May Be Positioned With Either End to the Rear.

Load per Spring in pounds (X 1,000)

Deflection in Inches

* A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.
* A galvanized liner is required on the tension side of each plate on single, two and three leaf springs. On single leaf springs the spring liner is shipped loose by Hutchens.