Based on development, testing, and proven performance, the ELITE HSP Elevator Series Chain combines proven chain designs for centrifugal elevators with optimum material/metallurgical specifications providing a level of performance and value unparalleled in the marketplace.

**Key Features:**

- All alloy steel construction for maximum strength and wear resistance
- Through-hardened and induction hardened pins for maximum strength and wear resistance
- Chain relies on controlled interference fits to create residual compressive stresses which maximize the fatigue / endurance limit by eliminating unnecessary cyclic loading
- Predictable wear life to allow for planned maintenance and the elimination of costly downtime
- Full length attachments for improved bucket support and strength
- Increased average tensile strength of between 20-35 % which ultimately results in an improved fatigue / endurance limit

ELITE Chains have been tested in the most rigorous applications and exceed our customers’ expectations.
## Bucket Elevator Chain Dimensions

<table>
<thead>
<tr>
<th>Chain Number</th>
<th>Style</th>
<th>Pitch</th>
<th>Base chain maximum width</th>
<th>Width between inner plates</th>
<th>Plate thickness</th>
<th>Heat Treat</th>
<th>Heat Treat</th>
<th>Bushing LTB</th>
<th>Bush Ø</th>
<th>Heat Treat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>P inch</td>
<td>A inch</td>
<td>K inch</td>
<td>T inch</td>
<td>F inch</td>
<td>G inch</td>
<td>D inch</td>
<td>I inch</td>
</tr>
<tr>
<td>EL856HSP</td>
<td>B</td>
<td>6</td>
<td>6.44</td>
<td>3</td>
<td>0.5</td>
<td>2.5</td>
<td>TH</td>
<td>1.00</td>
<td>TH/IH</td>
<td>4.00</td>
</tr>
<tr>
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<td>A</td>
<td>6</td>
<td>6.44</td>
<td>3</td>
<td>0.5</td>
<td>3.00</td>
<td>TH</td>
<td>1.00</td>
<td>TH/IH</td>
<td>4.00</td>
</tr>
<tr>
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<td>6.44</td>
<td>3</td>
<td>0.5</td>
<td>3.25</td>
<td>TH</td>
<td>1.00</td>
<td>TH/IH</td>
<td>4.00</td>
</tr>
<tr>
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<td>6.44</td>
<td>3</td>
<td>0.56</td>
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<td>TH</td>
<td>1.13</td>
<td>TH/IH</td>
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</tr>
<tr>
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<td>7.74</td>
<td>3.75</td>
<td>0.62</td>
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<td>TH</td>
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<td>TH/IH</td>
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</tr>
<tr>
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<td>TH/IH</td>
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<td>TH</td>
<td>1.375</td>
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</table>

All dimensions are subject to change. 

As production demands have increased over the last century, so too has the need for reliable, robust chains to meet the demanding application requirements for today’s materials handling industry.

ELITE HSP 800 and 900 Series Elevator chains are dimensionally equivalent drop in replacements to other manufacturers with refined material, heat treatment and manufacturing processes to improve performance.

The strength and wear resistance provided by EL HSP 800 and 900 series chain allows for planned maintenance intervals and predictable wear life.

Sealed Joint Chains are available upon request for applications where dry cavitation wear is problematic.

For more information, visit [www.iwis.com](http://www.iwis.com) or contact our sales engineering team at **877-535-3966**
## Bucket Elevator Chain Attachment Dimensions

<table>
<thead>
<tr>
<th>Chain Number</th>
<th>Attachment Style</th>
<th>A inch</th>
<th>B inch</th>
<th>C inch</th>
<th>D inch</th>
<th>E inch</th>
<th>F inch</th>
<th>G inch</th>
<th>H inch</th>
<th>J inch</th>
<th>K inch</th>
<th>T inch</th>
<th>lb./Ft.</th>
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</thead>
<tbody>
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<td>6.91</td>
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<td>9.38</td>
<td>–</td>
<td>6.91</td>
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<tr>
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<td>0.75</td>
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<td>0.62</td>
<td>58</td>
</tr>
</tbody>
</table>

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For more information, visit www.iwis.com or contact our sales engineering team at 877-535-3966
Our Company
Delivering uncompromising performance and value

- Founded in 1916 by the entrepreneurial Winklhofer family
- Expanded productions to include automotive timing chains in 1939
- iwis receives Ford’s Q1 Award + ISO9002 accreditation in 1991
- iwis acquires Flexon Group in 2006

Headquartered in Munich with facilities in:
- Munich, Landsberg, Wilnsdorf and Sontra, Germany
- Strakonice, CZ
- Suzhou, China
- Murray, KY and Indianapolis, IN
- Surrey, British Columbia
- Toronto, Ontario
- Sao Paulo, Brazil

Your Engineering Partner
We provide excellent service for our customers

Our resources:
- iwis has the largest chain research and development department in the industry, employing more than 40 engineers dedicated to chain development
- iwis has a corporate product development commitment, reinvesting 5% of all revenues annually
- iwis has a team of engineering and oilfield product specialists with more than 70 years combined experience

Our products and services:
- ANSI/BS Roller chains
- Drill rig chains
- Sprockets – Standard and special, ANSI and BS
- Bridge conveyor chains
- Heavy “H” and High Strength Performance “HSP” chains
- Corrosion resistant platings & coatings for chains and sprockets

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