Swinglink® Bucket Elevators

Applications

- Cereal
- Coffee/Tea
- Confectionery
- Pasta
- Pet Foods
- Salt/Spices
- Snack Foods/Nuts
- Ammunition
- Batteries
- Carbon Black
- Catalyst
- Chemical
- Fertilizer
- Glass Cullet
- Metal Powders

Features & Benefits

- Heavy duty chains for long-life durability and reliability
- Various construction materials for chains to meet specific process applications
- Optional automatic chain cleaning (ChainCare) for maximum cleanliness
- Robust unit construction for durability and easy installation
- Clean-in-place capabilities for maximum cleanliness
- Multiple cover options to meet specific application needs and ensure safety

- Buckets remain upright throughout circuit to ensure product integrity
- Smooth bucket surfaces eliminate product trap areas
- Various construction materials for buckets are available to meet specific process requirements
- Multiple feed inlets and discharge points for production capabilities
- Discharges on lower run reducing product free-fall and maintaining product integrity
- Durable, yet gentle, handling of customer’s product

State-of-the-art testing facility allows customers to actually test their product in use with equipment
- Skilled engineering and sales support staff ensures customer satisfaction
- Strong service department for post-sales support and spare parts

Tough, Gentle, Clean

Gough Econ, Inc.
P.O. Box 668583, Charlotte, NC 28266-8583
Phone: 800.264-6844    Fax: 704.392.8706
E-Mail: sales@goughecon.com
Website: www.goughecon.com
Form: swinglink*.doc  Rev 1
### Typical Circuit Configurations

```
S
I
O
F
```

### Typical Capacity Chart

<table>
<thead>
<tr>
<th>Speed (FPM)</th>
<th>S-SERIES</th>
<th>M-SERIES</th>
<th>L-SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9” Wide</td>
<td>12” Wide</td>
<td>18” Wide</td>
</tr>
<tr>
<td>20</td>
<td>75</td>
<td>145</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>82</td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>90</td>
<td>175</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>97</td>
<td>189</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>105</td>
<td>204</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>112</td>
<td>218</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>120</td>
<td>233</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>127</td>
<td>247</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>135</td>
<td>262</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>142</td>
<td>276</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>150</td>
<td>291</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>157</td>
<td>305</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>165</td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>172</td>
<td>335</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>180</td>
<td>349</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>187</td>
<td>364</td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>195</td>
<td>378</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>202</td>
<td>393</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>210</td>
<td>407</td>
<td></td>
</tr>
<tr>
<td>58</td>
<td>217</td>
<td>422</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>225</td>
<td>436</td>
<td></td>
</tr>
</tbody>
</table>

1. Based on 60% fill. Throughput is defined as cubic feet per hour.
Typical Engineering Data

Construction:
Tubular, open, folded construction, or totally enclosed designs available.

Construction Materials: 11-gauge folded steel side panels with 14-gauge steel, stainless steel, or lexan cover panels.

All elevators are covered up to 7'-0" for safety purposes.

Bucket Design:

Pitch: "S" Series: 6" centers
"M" Series: 9" centers
"L" Series: 12" centers

Construction Materials: Carbon steel, stainless steel, or polypropylene. (Note: 6" bucket for "S" Series is not available in plastic.)
Bucket pins: Stainless steel type 303

Tipping mechanism: Individually replaceable “teardrop” and/or “T” cam. 360° rotations

Chain Design:
"S" Series: C.S. –1.5" pitch
S.S – 1.5" pitch

"M" Series: C.S. –3" pitch
S.S –3" pitch
Plastic – 3" pitch

"L" Series: C.S. –3" pitch
S.S –3" pitch
Plastic – 3" pitch

Construction Materials: Acetal plastic, carbon steel, or stainless steel

Sprocket & Shaft Design:
Easily removed sprockets made from steel (for steel chains) or a polymeric compound (for plastic chains).

Sprocket/shaft bearing:
Sealed flange bearing

Lubrication:
Lubrication required on CS & SS chains. (Lubrication used depends on application)
No lubrication required on plastic chain.

Temperature:
-22 °F (-30 °C) up to 230 °F (110 °C)
120 °F highest recommended temperature for plastic buckets.

Finish:
Steel It™ air dry polyurethane

In-Feed Options:
Controlled in-feed recommended
Multiple in-feed option available

Discharge Options:
“Over the end” discharge
Single or multiple discharge(s) anywhere in circuit available

Drives:
Drive HP, voltage, etc. dependent on application. Motor drives into a gearbox, which is then transferred via transmission chain and sprockets. A torque limiter provides protection to elevator main chains and components.
Typical Operating Description:

- Standard design provides for in-feed on top run of buckets; however, other in-feed designs are available.
- Multiple in-feed options are available.
- Buckets overlap in the horizontal position to prevent product spillage during loading.
- Buckets remain in upright position while loading and after discharge. This allows maximum gentle handling without product free falling from buckets.
- Over-the-end discharge is available.
- Single or multiple discharges anywhere in circuit are available.
- 135° to complete 360° rotation as required.

**Tough, Gentle, Clean**