Engineered Steel Chains
# Mill Duty Bucket Elevator Chains

![Diagram of bucket elevator chain](image)

<table>
<thead>
<tr>
<th>Chain</th>
<th>Pitch Length</th>
<th>Pin Dia Length</th>
<th>Bush Dia Length</th>
<th>Gearing Width</th>
<th>Sidebar Height</th>
<th>Sidebar Thickness</th>
<th>Minimum Ultimate Strength</th>
<th>Rated Working Load</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSB188</td>
<td>2.609 in</td>
<td>66.27 mm</td>
<td>2.69 in</td>
<td>68.26 mm</td>
<td>0.50 in</td>
<td>12.70 in</td>
<td>0.88 in</td>
<td>22.22 lbs</td>
<td>25,000 kg</td>
</tr>
<tr>
<td>CSB131</td>
<td>3.075 in</td>
<td>78.10 mm</td>
<td>3.50 in</td>
<td>88.90 mm</td>
<td>0.63 in</td>
<td>15.88 in</td>
<td>1.25 in</td>
<td>31.75 lbs</td>
<td>40,000 kg</td>
</tr>
<tr>
<td>CSB102B</td>
<td>4.000 in</td>
<td>101.60 mm</td>
<td>4.38 in</td>
<td>111.13 mm</td>
<td>0.63 in</td>
<td>15.88 in</td>
<td>1.00 in</td>
<td>25.40 lbs</td>
<td>40,000 kg</td>
</tr>
<tr>
<td>CSB111</td>
<td>4.760 in</td>
<td>120.90 mm</td>
<td>4.94 in</td>
<td>125.48 mm</td>
<td>0.75 in</td>
<td>19.05 in</td>
<td>1.44 in</td>
<td>36.51 lbs</td>
<td>50,000 kg</td>
</tr>
<tr>
<td>CSB110</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.00 in</td>
<td>152.40 mm</td>
<td>1.00 in</td>
<td>25.40 in</td>
<td>1.75 in</td>
<td>44.50 lbs</td>
<td>80,000 kg</td>
</tr>
<tr>
<td>CSB856</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.00 in</td>
<td>152.40 mm</td>
<td>1.00 in</td>
<td>25.40 in</td>
<td>1.75 in</td>
<td>44.50 lbs</td>
<td>100,000 kg</td>
</tr>
<tr>
<td>CSB857</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.00 in</td>
<td>152.40 mm</td>
<td>1.00 in</td>
<td>25.40 in</td>
<td>1.75 in</td>
<td>44.50 lbs</td>
<td>130,000 kg</td>
</tr>
<tr>
<td>CSB859</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>7.63 in</td>
<td>193.68 mm</td>
<td>1.25 in</td>
<td>31.75 in</td>
<td>2.38 in</td>
<td>60.33 lbs</td>
<td>200,000 kg</td>
</tr>
<tr>
<td>CSB956</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.44 in</td>
<td>163.58 mm</td>
<td>1.00 in</td>
<td>25.40 in</td>
<td>1.75 in</td>
<td>44.45 lbs</td>
<td>100,000 kg</td>
</tr>
<tr>
<td>CSB958</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.44 in</td>
<td>163.58 mm</td>
<td>1.13 in</td>
<td>28.70 in</td>
<td>2.00 in</td>
<td>50.80 lbs</td>
<td>100,000 kg</td>
</tr>
<tr>
<td>CSB6150</td>
<td>6.000 in</td>
<td>152.40 mm</td>
<td>6.63 in</td>
<td>168.28 mm</td>
<td>1.00 in</td>
<td>25.40 in</td>
<td>1.75 in</td>
<td>44.50 lbs</td>
<td>100,000 kg</td>
</tr>
<tr>
<td>CSB864</td>
<td>7.000 in</td>
<td>177.80 mm</td>
<td>7.63 in</td>
<td>193.68 mm</td>
<td>1.25 in</td>
<td>31.75 in</td>
<td>2.38 in</td>
<td>60.33 lbs</td>
<td>200,000 kg</td>
</tr>
<tr>
<td>CSB984</td>
<td>7.000 in</td>
<td>177.80 mm</td>
<td>7.74 in</td>
<td>196.60 mm</td>
<td>1.38 in</td>
<td>35.05 in</td>
<td>2.50 in</td>
<td>63.50 lbs</td>
<td>155,000 kg</td>
</tr>
</tbody>
</table>

---

**CSB188**
- Pitch: 2.609 in
- Pin Dia: 66.27 mm
- Bush Dia: 2.69 in
- Gearing Width: 68.26 mm
- Sidebar Height: 0.50 in
- Sidebar Thickness: 12.70 in
- Minimum Ultimate Strength: 0.88 in
- Rated Working Load: 25,000 lbs
- Weight: 11,364 kg

---

**CSB131**
- Pitch: 3.075 in
- Pin Dia: 78.10 mm
- Bush Dia: 3.50 in
- Gearing Width: 88.90 mm
- Sidebar Height: 0.63 in
- Sidebar Thickness: 15.88 in
- Minimum Ultimate Strength: 1.25 in
- Rated Working Load: 40,000 lbs
- Weight: 18,180 kg

---

**CSB102B**
- Pitch: 4.000 in
- Pin Dia: 101.60 mm
- Bush Dia: 4.38 in
- Gearing Width: 111.13 mm
- Sidebar Height: 0.63 in
- Sidebar Thickness: 15.88 in
- Minimum Ultimate Strength: 1.00 in
- Rated Working Load: 40,000 lbs
- Weight: 12,500 kg

---

**CSB111**
- Pitch: 4.760 in
- Pin Dia: 120.90 mm
- Bush Dia: 4.94 in
- Gearing Width: 125.48 mm
- Sidebar Height: 0.75 in
- Sidebar Thickness: 19.05 in
- Minimum Ultimate Strength: 1.44 in
- Rated Working Load: 50,000 lbs
- Weight: 22,680 kg

---

**CSB110**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 6.00 in
- Gearing Width: 152.40 mm
- Sidebar Height: 1.00 in
- Sidebar Thickness: 25.40 in
- Minimum Ultimate Strength: 1.75 in
- Rated Working Load: 80,000 lbs
- Weight: 45,450 kg

---

**CSB856**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 6.00 in
- Gearing Width: 152.40 mm
- Sidebar Height: 1.00 in
- Sidebar Thickness: 25.40 in
- Minimum Ultimate Strength: 1.75 in
- Rated Working Load: 100,000 lbs
- Weight: 45,450 kg

---

**CSB857**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 6.00 in
- Gearing Width: 152.40 mm
- Sidebar Height: 1.00 in
- Sidebar Thickness: 25.40 in
- Minimum Ultimate Strength: 1.75 in
- Rated Working Load: 130,000 lbs
- Weight: 59,090 kg

---

**CSB859**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 7.63 in
- Gearing Width: 193.68 mm
- Sidebar Height: 1.25 in
- Sidebar Thickness: 31.75 in
- Minimum Ultimate Strength: 2.38 in
- Rated Working Load: 200,000 lbs
- Weight: 65,000 kg

---

**CSB956**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 6.44 in
- Gearing Width: 163.58 mm
- Sidebar Height: 1.00 in
- Sidebar Thickness: 25.40 in
- Minimum Ultimate Strength: 1.75 in
- Rated Working Load: 100,000 lbs
- Weight: 65,000 kg

---

**CSB958**
- Pitch: 6.000 in
- Pin Dia: 152.40 mm
- Bush Dia: 6.44 in
- Gearing Width: 163.58 mm
- Sidebar Height: 1.13 in
- Sidebar Thickness: 28.70 in
- Minimum Ultimate Strength: 2.00 in
- Rated Working Load: 100,000 lbs
- Weight: 65,000 kg

---

**CSB6150**
- Pitch: 6.000 in
- Pin Dia: 153.67 mm
- Bush Dia: 6.63 in
- Gearing Width: 168.28 mm
- Sidebar Height: 1.00 in
- Sidebar Thickness: 25.40 in
- Minimum Ultimate Strength: 1.75 in
- Rated Working Load: 100,000 lbs
- Weight: 65,000 kg

---

**CSB864**
- Pitch: 7.000 in
- Pin Dia: 177.80 mm
- Bush Dia: 7.63 in
- Gearing Width: 193.68 mm
- Sidebar Height: 1.25 in
- Sidebar Thickness: 31.75 in
- Minimum Ultimate Strength: 2.38 in
- Rated Working Load: 200,000 lbs
- Weight: 70,307 kg

---

**CSB984**
- Pitch: 7.000 in
- Pin Dia: 177.80 mm
- Bush Dia: 7.74 in
- Gearing Width: 196.60 mm
- Sidebar Height: 1.38 in
- Sidebar Thickness: 35.05 in
- Minimum Ultimate Strength: 2.50 in
- Rated Working Load: 155,000 lbs
- Weight: 70,307 kg
Mill Duty Bucket Elevator Chains

<table>
<thead>
<tr>
<th>Chain</th>
<th>Style</th>
<th>No. of Holes</th>
<th>Transverse Hole Centres</th>
<th>Longitudinal Hole Centres</th>
<th>Platform Height</th>
<th>Bolt Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>A1</td>
<td>B</td>
<td>B1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
</tr>
<tr>
<td>CSB188</td>
<td>K1</td>
<td>2</td>
<td>4.19</td>
<td>106.36</td>
<td>1.25</td>
<td>31.75</td>
</tr>
<tr>
<td></td>
<td>K2</td>
<td>4</td>
<td>4.19</td>
<td>106.36</td>
<td>1.25</td>
<td>31.75</td>
</tr>
<tr>
<td>CSB131</td>
<td>K1</td>
<td>2</td>
<td>4.13</td>
<td>104.78</td>
<td>1.50</td>
<td>38.10</td>
</tr>
<tr>
<td></td>
<td>K2</td>
<td>4</td>
<td>4.13</td>
<td>104.78</td>
<td>1.50</td>
<td>38.10</td>
</tr>
<tr>
<td>CSB102B</td>
<td>K2</td>
<td>4</td>
<td>5.31</td>
<td>134.94</td>
<td>1.75</td>
<td>44.45</td>
</tr>
<tr>
<td>CSB111</td>
<td>K1</td>
<td>2</td>
<td>6.25</td>
<td>158.75</td>
<td>4.75</td>
<td>120.65</td>
</tr>
<tr>
<td></td>
<td>K2</td>
<td>4</td>
<td>6.25</td>
<td>158.75</td>
<td>2.31</td>
<td>58.74</td>
</tr>
<tr>
<td>CSB110</td>
<td>K2</td>
<td>4</td>
<td>5.31</td>
<td>134.94</td>
<td>1.75</td>
<td>44.45</td>
</tr>
<tr>
<td>CSB6150</td>
<td>K2</td>
<td>4</td>
<td>7.50</td>
<td>190.50</td>
<td>2.75</td>
<td>69.85</td>
</tr>
<tr>
<td>CSB1084</td>
<td>K2</td>
<td>4</td>
<td>13.00</td>
<td>330.20</td>
<td>5.50</td>
<td>139.70</td>
</tr>
<tr>
<td>CSB856</td>
<td>K24</td>
<td>4</td>
<td>7.25</td>
<td>184.15</td>
<td>2.50</td>
<td>63.50</td>
</tr>
<tr>
<td>CSB956</td>
<td>K24</td>
<td>4</td>
<td>7.25</td>
<td>184.15</td>
<td>2.50</td>
<td>63.50</td>
</tr>
<tr>
<td>CSB857</td>
<td>K44</td>
<td>8</td>
<td>12.00</td>
<td>304.80</td>
<td>3.50</td>
<td>88.90</td>
</tr>
<tr>
<td>CSB859</td>
<td>K44</td>
<td>8</td>
<td>13.00</td>
<td>320.20</td>
<td>4.50</td>
<td>114.30</td>
</tr>
<tr>
<td>CSB958</td>
<td>K44</td>
<td>8</td>
<td>12.00</td>
<td>304.80</td>
<td>3.50</td>
<td>88.90</td>
</tr>
<tr>
<td>CSB864</td>
<td>K443</td>
<td>10</td>
<td>13.00</td>
<td>320.20</td>
<td>5.50</td>
<td>139.70</td>
</tr>
<tr>
<td>CSB984</td>
<td>K443</td>
<td>10</td>
<td>13.00</td>
<td>320.20</td>
<td>5.50</td>
<td>139.70</td>
</tr>
</tbody>
</table>

Note: Various styles of attachment available. Details available upon application.
# ASPHALT DRAG CHAINS

![Diagram of asphalt drag chains]

## Asphalt Drag Chains

<table>
<thead>
<tr>
<th>Chain</th>
<th>Pitch</th>
<th>Pin Length</th>
<th>Pin Dia</th>
<th>Roller Dia</th>
<th>Gearing Width</th>
<th>Sidebar Height</th>
<th>Sidebar Thickness</th>
<th>Minimum Ultimate Strength</th>
<th>Rated Working Load</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>lbs</td>
<td>kg</td>
<td>lbs ft</td>
</tr>
<tr>
<td>C2102</td>
<td>4.000</td>
<td>101.60</td>
<td>4.50</td>
<td>114.30</td>
<td>0.63</td>
<td>15.88</td>
<td>1.50</td>
<td>38.10</td>
<td>56,500</td>
<td>25,700</td>
</tr>
<tr>
<td>C2268</td>
<td>4.038</td>
<td>102.57</td>
<td>4.25</td>
<td>107.95</td>
<td>0.75</td>
<td>19.05</td>
<td>1.63</td>
<td>41.25</td>
<td>100,000</td>
<td>45,450</td>
</tr>
<tr>
<td>C2856</td>
<td>6.000</td>
<td>152.40</td>
<td>6.00</td>
<td>152.40</td>
<td>1.00</td>
<td>25.40</td>
<td>2.75</td>
<td>69.85</td>
<td>143,000</td>
<td>65,000</td>
</tr>
<tr>
<td>C2860</td>
<td>6.000</td>
<td>152.40</td>
<td>6.00</td>
<td>152.40</td>
<td>1.00</td>
<td>25.40</td>
<td>2.75</td>
<td>69.85</td>
<td>143,000</td>
<td>65,000</td>
</tr>
<tr>
<td>C2866</td>
<td>6.000</td>
<td>152.40</td>
<td>6.00</td>
<td>152.40</td>
<td>1.00</td>
<td>25.40</td>
<td>2.75</td>
<td>69.85</td>
<td>149,000</td>
<td>67,700</td>
</tr>
<tr>
<td>C3940</td>
<td>6.000</td>
<td>152.40</td>
<td>4.25</td>
<td>107.95</td>
<td>0.75</td>
<td>19.05</td>
<td>1.63</td>
<td>41.25</td>
<td>90,000</td>
<td>40,900</td>
</tr>
<tr>
<td>C3945</td>
<td>4.000</td>
<td>101.60</td>
<td>4.19</td>
<td>106.36</td>
<td>0.63</td>
<td>15.88</td>
<td>1.25</td>
<td>31.75</td>
<td>45,000</td>
<td>20,450</td>
</tr>
<tr>
<td>C3950</td>
<td>4.038</td>
<td>102.57</td>
<td>4.19</td>
<td>106.36</td>
<td>0.63</td>
<td>15.88</td>
<td>1.38</td>
<td>34.93</td>
<td>45,000</td>
<td>20,450</td>
</tr>
<tr>
<td>C3952</td>
<td>4.000</td>
<td>101.60</td>
<td>4.25</td>
<td>107.95</td>
<td>0.75</td>
<td>19.05</td>
<td>1.44</td>
<td>36.51</td>
<td>62,000</td>
<td>28,200</td>
</tr>
<tr>
<td>C4604</td>
<td>4.604</td>
<td>116.94</td>
<td>4.19</td>
<td>106.36</td>
<td>0.63</td>
<td>15.88</td>
<td>1.38</td>
<td>34.93</td>
<td>45,000</td>
<td>20,450</td>
</tr>
</tbody>
</table>
# Asphalt Drag Chains

## Drag Slat Chain Attachment Detail

<table>
<thead>
<tr>
<th>Chain</th>
<th>Style</th>
<th>A</th>
<th>A1</th>
<th>B</th>
<th>C</th>
<th>OD (R)</th>
<th>E (M)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>in</td>
<td>in</td>
</tr>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>C2102</td>
<td>K2</td>
<td>5.31</td>
<td>134.94</td>
<td>1.75</td>
<td>44.45</td>
<td>1.13</td>
<td>28.58</td>
</tr>
<tr>
<td></td>
<td>M1</td>
<td>2.38</td>
<td>60.33</td>
<td>0.56</td>
<td>14.29</td>
<td>4.01</td>
<td>102.00</td>
</tr>
<tr>
<td>C2268</td>
<td>K2</td>
<td>5.25</td>
<td>133.35</td>
<td>2.00</td>
<td>50.80</td>
<td>0.50</td>
<td>12.00</td>
</tr>
<tr>
<td>C2856</td>
<td>K2 (SP)</td>
<td>7.25</td>
<td>184.15</td>
<td>1.88</td>
<td>47.63</td>
<td>0.63</td>
<td>16.00</td>
</tr>
<tr>
<td>C2860</td>
<td>K24</td>
<td>7.25</td>
<td>184.15</td>
<td>4.75</td>
<td>120.65</td>
<td>2.50</td>
<td>63.50</td>
</tr>
<tr>
<td></td>
<td>M1</td>
<td>6.00</td>
<td>152.40</td>
<td>3.63</td>
<td>92.08</td>
<td>2.75</td>
<td>69.85</td>
</tr>
<tr>
<td>C2866</td>
<td>M1</td>
<td>5.00</td>
<td>127.00</td>
<td>3.63</td>
<td>92.08</td>
<td>2.38</td>
<td>60.33</td>
</tr>
<tr>
<td></td>
<td>M9</td>
<td>5.00</td>
<td>127.00</td>
<td>2.38</td>
<td>60.33</td>
<td>0.81</td>
<td>20.64</td>
</tr>
<tr>
<td>C3940</td>
<td>K2</td>
<td>6.25</td>
<td>158.75</td>
<td>2.31</td>
<td>58.74</td>
<td>2.00</td>
<td>50.80</td>
</tr>
<tr>
<td>C3945</td>
<td>K2</td>
<td>5.31</td>
<td>139.94</td>
<td>1.75</td>
<td>44.45</td>
<td>1.38</td>
<td>34.93</td>
</tr>
<tr>
<td></td>
<td>K3</td>
<td>5.31</td>
<td>139.94</td>
<td>1.75</td>
<td>44.45</td>
<td>1.38</td>
<td>34.93</td>
</tr>
<tr>
<td></td>
<td>K3</td>
<td>5.50</td>
<td>139.70</td>
<td>1.94</td>
<td>49.21</td>
<td>1.63</td>
<td>41.28</td>
</tr>
<tr>
<td>C3950</td>
<td>K2</td>
<td>5.31</td>
<td>139.94</td>
<td>1.75</td>
<td>44.45</td>
<td>1.63</td>
<td>41.28</td>
</tr>
<tr>
<td>C3952</td>
<td>K2</td>
<td>5.50</td>
<td>139.70</td>
<td>1.75</td>
<td>44.45</td>
<td>1.63</td>
<td>41.28</td>
</tr>
<tr>
<td>C4604</td>
<td>K3</td>
<td>5.31</td>
<td>139.94</td>
<td>1.75</td>
<td>44.45</td>
<td>1.63</td>
<td>41.28</td>
</tr>
</tbody>
</table>
ENGINEERING CLASS SPROCKETS

STANDARD SPROCKET

SPLIT CONSTRUCTION SPROCKET

SEGMENTAL CONSTRUCTION SPROCKET

MUD RELIEF TOOT FORM

SEGMENTAL SPLIT CONSTRUCTION SPROCKET

JUMP TOOTH