Interface load pins, tension links, and load shackles are used to provide force measurement readings joined by load-bearing pins or bolts.

Interface’s wide range of load pins are designed for the measurement of tensile and compressive forces for application uses including crane and lifting, industrial, marine, offshore, and civil engineering. Machined from high tensile stainless steel, our load pins are suitable for exposed situations including seawater. We offer standard load pins with ratings between 1.1K lbf to 3.3M lbf (500kgs to 1500 MT). Most load pins are custom manufactured to meet specific dimensional requirements.

The tension link series manufactured from high tensile aluminum and stainless steel are designed for lifting and weighing applications in harsh environments. Matched to shackle sizes, our load links come in ratings from 2.2K lbf to 1.1M lbf (1 to 500 MT) and are environmentally sealed to IP65, IP66, or IP67. Higher ratings are available upon request.

Load shackles are designed for lifting and weighing in rugged or harsh environments. The load shackles are manufactured from high tensile carbon steel. Our basic shackle is the renowned Crosby G2130, G2140, and G2150 series depending on the load rating. An optional rotating bobbin can centralize the load and minimize any point-load effects. We also offer fully submersible and telemetry load shackles.

Load Pin Benefits Includes:
- Easy to install new or retrofit
- Robust construction
- Replaces existing load bearing pins without any system modifications
- Many special designs available
- Can be supplied with integral connector
- Custom sizes and higher capacities available

Tension Link Benefits Includes:
- Custom designed sizes and ratings available
- Easy to install
- High accuracy
- Compact size
- Lightweight
- Custom sizes and higher capacities available
Load Shackles Benefits Includes:
- Simple installation and operation
- Robust construction
- Ideal for use in harsh environments
- Environmentally sealed to IP67 (higher IP levels available on request)
- Available in ratings from 1 ton to 400 tons (higher ratings available on request)

**ISHK-B Bow Type Crosby™ Cabled Load Shackle**
2.2K and 220SK lbf (1 to 1M T)
Crosby™ G2130 (1 to 25 MT / 2205 to 55.1K lbf)
G2140 (40 to 120 MT / 88.2K to 265K lbf)
GN Rope H10 (150 to 1MT / 331K to 2205K lbf) shackles

**WTSSHK-B Wireless Crosby™ Bow Load Shackle**
26.5K and 265K lbf (12 to 120 MT)
Crosby™ G2130 (12 to 15 MT / 26.5K and 33.1K lbf)
G2140 (40 to 120 MT / 88.2K to 265K lbf) shackles

**WTSSHK-BJR Wireless Crosby™ Bow Load Shackle**
7.17K to 20.9K lbf (3.25 to 9.5 MT)
Crosby™ G2130 shackles
Interface load shackles have been designed for lifting and weighing in rugged or harsh environments. The load shackle pins are manufactured from high tensile carbon steel, while the basic shackle uses the renowned Crosby G2130, G2140 and G2150 series (depending on the load rating).

Optional rotating bobbin can be supplied to centralize the load and minimize any point-load effects.

Interface also supplies load shackles that are fully submersible for sub-sea and offshore applications, as well as wireless telemetry load shackles.

### Crosby™ D Type Cabled & Wireless Load Shackles

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9.5</td>
<td>20.9K</td>
<td>12</td>
<td>26.5K</td>
<td>17</td>
<td>37.5K</td>
<td>25</td>
<td>55.1K</td>
<td>35</td>
<td>77.2K</td>
</tr>
<tr>
<td>2</td>
<td>46.0</td>
<td>1.81</td>
<td>51.5</td>
<td>2.03</td>
<td>60.5</td>
<td>2.38</td>
<td>73.0</td>
<td>2.87</td>
<td>82.5</td>
<td>3.25</td>
</tr>
<tr>
<td>3</td>
<td>28.7</td>
<td>1.13</td>
<td>31.8</td>
<td>1.38</td>
<td>41.4</td>
<td>1.63</td>
<td>51</td>
<td>0.51</td>
<td>0.57</td>
<td>0.22</td>
</tr>
<tr>
<td>4</td>
<td>68.5</td>
<td>2.70</td>
<td>76</td>
<td>3.0</td>
<td>92</td>
<td>3.6</td>
<td>106</td>
<td>4.2</td>
<td>122</td>
<td>4.8</td>
</tr>
<tr>
<td>5</td>
<td>91</td>
<td>3.6</td>
<td>100</td>
<td>4.0</td>
<td>122</td>
<td>4.8</td>
<td>146</td>
<td>5.7</td>
<td>172</td>
<td>6.8</td>
</tr>
<tr>
<td>6</td>
<td>172</td>
<td>6.8</td>
<td>191</td>
<td>7.5</td>
<td>230</td>
<td>9.1</td>
<td>279</td>
<td>11.0</td>
<td>312</td>
<td>12.3</td>
</tr>
<tr>
<td>7</td>
<td>103</td>
<td>4.1</td>
<td>115</td>
<td>4.5</td>
<td>137</td>
<td>5.4</td>
<td>162</td>
<td>6.4</td>
<td>184</td>
<td>7.2</td>
</tr>
<tr>
<td>8</td>
<td>150</td>
<td>5.9</td>
<td>165</td>
<td>6.5</td>
<td>196</td>
<td>7.7</td>
<td>230</td>
<td>9.1</td>
<td>264</td>
<td>10.4</td>
</tr>
<tr>
<td>9</td>
<td>31.8</td>
<td>1.25</td>
<td>35.1</td>
<td>1.38</td>
<td>41.1</td>
<td>1.62</td>
<td>54</td>
<td>2.1</td>
<td>60</td>
<td>2.4</td>
</tr>
</tbody>
</table>
Interface Load Pins  
Tension Links  
Load Shackles

- Load Pins
- Tension Links
- Shackles
- Wireless
- Self-Indicating
- Custom
- Bow Type
- D Type

The WTS-BS-1-HA handheld displays data from up to 12 wireless transmitter modules and forms part of the WTS modular telemetry system. The data sent by transmitter modules can be utilized by multiple receivers such as displays, handheld readers, analog outputs, relay modules and PC interfaces.

Interface force measurement load pins, tension links, and load shackles are available in many design configurations for project designs requiring the highest performance.

To learn more about the Interface products or force measurement solutions call 480-948-5555.
Interface is the world’s trusted leader in technology, design and manufacturing of force measurement solutions. Our clients include a “who’s who” of the aerospace, automotive and vehicle, medical device, energy, industrial manufacturing, test and measurement industries.

Interface engineers around the world are empowered to create high-level tools and solutions that deliver consistent, high quality performance. These products include load cells, torque transducers, multi-axis sensors, wireless telemetry, instrumentation and calibration equipment.

Interface, Inc., was founded in 1968 and is a US-based, woman-owned technology manufacturing company headquartered in Scottsdale, Arizona.