# STRIDE

**FUNCTION:** Assistive Walking Device

**CUSTOMER:** Senior citizens who rely on a walker for load-bearing support to walk

**MARKET:** Mobile Assistive Technology

<table>
<thead>
<tr>
<th>NEED</th>
<th>ATTRIBUTE</th>
<th>UNIT</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>Device only moves when intended</td>
<td>Y/N</td>
<td>Y</td>
</tr>
<tr>
<td></td>
<td>Minimum force needed to move walker when locked</td>
<td>lbs</td>
<td>&gt; 20</td>
</tr>
<tr>
<td></td>
<td>Supported load when user is upright</td>
<td>lbs</td>
<td>&gt; 150</td>
</tr>
<tr>
<td></td>
<td>Supported load when user is seated</td>
<td>lbs</td>
<td>&gt; 400</td>
</tr>
<tr>
<td>Comfortable</td>
<td>Vertical distance of user's hand from floor when using device</td>
<td>in</td>
<td>30 to 50</td>
</tr>
<tr>
<td></td>
<td>Maximum radial or ulnar deviation of wrist when using device</td>
<td>Degrees (˚)</td>
<td>&lt; 15</td>
</tr>
<tr>
<td>Portable</td>
<td>Footprint of collapsed walker</td>
<td>in²</td>
<td>&lt; 19 x 36</td>
</tr>
</tbody>
</table>