Table of Contents

Imperial Dimensions
  Weatherproof NEMA Type 4, 4X & IP65
   003 to 065 ................................................................. 3
   S70-130/131 and S70-180/181 ........................................ 4
  Weatherproof NEMA Type 4, 4X & IP65 / Hazardous Location
   S70-708 to S70-720 ..................................................... 5
Metric Dimensions
  Weatherproof NEMA Type 4, 4X & IP65
   003 to 065 ................................................................. 6
   70-130/131 and S70-180/181 ......................................... 7
### IMPERIAL DIMENSIONS - Inches

<table>
<thead>
<tr>
<th>Actuator Size</th>
<th>Torque (in-lbs)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K (UNC) x B.C.</th>
<th>M (UNC) x B.C.</th>
<th>N</th>
<th>P</th>
<th>Q</th>
<th>øR</th>
<th>Weight lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S70-003</td>
<td>300</td>
<td>7.5</td>
<td>5.8</td>
<td>3.0</td>
<td>5.6</td>
<td>1.9</td>
<td>1.94</td>
<td>.19</td>
<td>1/2</td>
<td>2.2</td>
<td>5/16-18 x ø2.76</td>
<td>—</td>
<td>.75</td>
<td>.51</td>
<td>1.75</td>
<td>3.5</td>
<td>13</td>
</tr>
<tr>
<td>S70-006</td>
<td>600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>—</td>
<td>—</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-008</td>
<td>800</td>
<td>10.1</td>
<td>7.8</td>
<td>3.7</td>
<td>6.6</td>
<td>2.4</td>
<td>2.69</td>
<td>.56</td>
<td>3/4</td>
<td>2.6</td>
<td>5/16-18 x ø2.76</td>
<td>1/2-13 x ø4.92</td>
<td>1.18</td>
<td>.87</td>
<td>2.22</td>
<td>8.0</td>
<td>28</td>
</tr>
<tr>
<td>S70-012</td>
<td>1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>—</td>
<td>—</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-020</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-030</td>
<td>3000</td>
<td>12.1</td>
<td>9.5</td>
<td>5.5</td>
<td>7.2</td>
<td>2.9</td>
<td>3.19</td>
<td>.56</td>
<td>3/4</td>
<td>3.1</td>
<td>1/2-13 x ø4.92</td>
<td>3/4-10 x ø6.50</td>
<td>See Detail A</td>
<td>12.0</td>
<td>48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-050</td>
<td>5000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-065</td>
<td>6500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1. The duty cycle for intermittent on-off operation is 25%. The continuous duty actuator with Servo is rated for 100% modulating operation.
2. Handwheel Spinner shown in drawing is available as an option.
3. Dimension (N) is also available with Double Square (Star) drive.

Drawings are for reference only. Please refer to Bray ES and GA drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

### Sales Reference Drawing #70-003 to 065

Inquire/P.O. No.: __________________________________________

Bray Order No.: __________________________________________

Customer/Project: ________________________________________

---

**Series 70 Electric Actuator**

**Imperial Dimensions**

**Weatherproof NEMA Type 4, 4X & IP65**

**003 to 065**

---

**NOTE:**

1. All dimensions in inches
2. Handwheel Spinner is optional
Notes:
1. The duty cycle for intermittent on-off operation is 25%. The continuous duty actuator with Servo is rated for 100% modulating operation.
2. Dimension (N) is also available with Double Square (Star) drive.

Drawings are for reference only. Please refer to Bray ES and GA drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

Sales Reference Drawing #70-130/131-180/181

Inquire/P.O. No.: ____________________________
Bray Order No.: ______________________________
Customer/Project: _____________________________
### IMPERIAL DIMENSIONS - Inches

<table>
<thead>
<tr>
<th>Actuator Size</th>
<th>Torque (in-lbs)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K (UNC) x B.C.</th>
<th>M (UNC) x B.C.</th>
<th>N</th>
<th>P</th>
<th>Q</th>
<th>øR</th>
<th>Weight lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S70-708</td>
<td>800</td>
<td>12.5</td>
<td>8.0</td>
<td>3.7</td>
<td>7.7</td>
<td>2.4</td>
<td>2.69</td>
<td>.56</td>
<td>3/4</td>
<td>2.6</td>
<td>5/16-18 x ø2.76</td>
<td>F07</td>
<td>1.18</td>
<td>.87</td>
<td>2.01</td>
<td>8.0</td>
<td>34</td>
</tr>
<tr>
<td>S70-712</td>
<td>1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1/2-13 x ø4.92</td>
<td>F12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-720</td>
<td>2000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>F07</td>
<td>F12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. The duty cycle for intermittent on-off operation is 25%.
2. Handwheel Spinner shown in drawing is available as an option.

Drawings are for reference only. Please refer to Bray ES and GA drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

---

**Sales Reference Drawing #70-708/712/720**

Inquire/P.O. No.: __________________________________________

Bray Order No.: __________________________________________

Customer/Project: _________________________________________
**Series 70 Electric Actuator**

**Metric Dimensions**

**Weatherproof NEMA Type 4, 4X & IP65**

003 to 065

---

**METRIC DIMENSIONS - Millimeters**

<table>
<thead>
<tr>
<th>Actuator Size</th>
<th>Torque (Nm)</th>
<th>øA</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K x B.C.</th>
<th>M x B.C.</th>
<th>N</th>
<th>P</th>
<th>Q</th>
<th>øR</th>
<th>Weight: kgs</th>
</tr>
</thead>
<tbody>
<tr>
<td>S70-003</td>
<td>34</td>
<td>68</td>
<td>191</td>
<td>147</td>
<td>76</td>
<td>141</td>
<td>48</td>
<td>49.2</td>
<td>4.7</td>
<td>M20 x 1.5</td>
<td>55</td>
<td>—</td>
<td>19.0</td>
<td>13.0</td>
<td>44.5</td>
<td>89</td>
<td>6</td>
</tr>
<tr>
<td>S70-006</td>
<td>90</td>
<td>136</td>
<td>256</td>
<td>198</td>
<td>93</td>
<td>168</td>
<td>62</td>
<td>68.3</td>
<td>14.3</td>
<td>M25 x 1.5</td>
<td>66</td>
<td>M12 x 1.75 x ø125</td>
<td>30.0</td>
<td>22.0</td>
<td>56.3</td>
<td>203</td>
<td>13</td>
</tr>
<tr>
<td>S70-012</td>
<td>339</td>
<td>565</td>
<td>734</td>
<td>308</td>
<td>241</td>
<td>139</td>
<td>183</td>
<td>80.9</td>
<td>14.3</td>
<td>M25 x 1.5</td>
<td>78</td>
<td>M20 x 2.5 x ø165</td>
<td>See Detail A</td>
<td>305</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-020</td>
<td>308</td>
<td>241</td>
<td>139</td>
<td>183</td>
<td>73</td>
<td>80.9</td>
<td>14.3</td>
<td>M25 x 1.5</td>
<td>78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. The duty cycle for intermittent on-off operation is 25%. The continuous duty actuator with Servo is rated for 100% modulating operation.
2. Handwheel Spinner shown in drawing is available as an option.
3. Dimension (N) is also available with Double Square (Star) drive.

Drawings are for reference only. Please refer to Bray ES and GA drawings on the Bray website, www.bray.com. Bray reserves the right to change product dimensions without notice.

---

**Sales Reference Drawing #70-003 to 065**

Inquire/P.O. No.: ____________________________

Bray Order No.: ____________________________

Customer/Project: ____________________________
Series 70 Electric Actuator
Metric Dimensions

Weatherproof NEMA Type 4, 4X & IP65
70-130/131 and S70-180/181

METRIC DIMENSIONS - Millimeters

<table>
<thead>
<tr>
<th>Actuator Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K (MM) x B.C.</th>
<th>M (MM) x B.C.</th>
<th>N</th>
<th>P</th>
<th>Q</th>
<th>ØR</th>
<th>S</th>
<th>T</th>
<th>U</th>
<th>Weight (kgs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S70-130/131</td>
<td>308</td>
<td>241</td>
<td>389</td>
<td>316</td>
<td>206</td>
<td>89</td>
<td>14.3</td>
<td>1.5</td>
<td>212</td>
<td>12 x 125 BC x 23.9</td>
<td>20 x 165 BC x 31.8</td>
<td>See Stem Bore Detail</td>
<td>305</td>
<td>155</td>
<td>322</td>
<td>203</td>
<td>54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S70-180/181</td>
<td>308</td>
<td>241</td>
<td>389</td>
<td>316</td>
<td>206</td>
<td>89</td>
<td>14.3</td>
<td>1.5</td>
<td>212</td>
<td>12 x 125 BC x 23.9</td>
<td>20 x 165 BC x 31.8</td>
<td>See Stem Bore Detail</td>
<td>305</td>
<td>155</td>
<td>322</td>
<td>203</td>
<td>54</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:
1. The duty cycle for intermittent on-off operation is 25%. The continuous duty actuator with Servo is rated for 100% modulating operation.
2. Dimension (N) is also available with Double Square (Star) drive.

Bray reserves the right to change product dimensions without notice.

Sales Reference Drawing #70-130/131-180/181

Inquire/P.O. No.: ______________________________
Bray Order No.: ______________________________
Customer/Project: ______________________________