**MODEL TC-11**

Payload Capacity – kg/lbs ........................................... 16/35
Static Moment X & Y Resistance† – Nm/lb-in .......................... 25/220
Static Moment Z Resistance† – Nm/lb-in ................................. 34/300
Positional Repeatability X, Y & Z – mm/in ....................... 0.015/0.0006
Weight when Coupled – kg/lb ......................................... 0.33/0.7
Locking Force @ 80 psi (5.5 bar) – N/lb ......................... 1068/240

†Can handle a dynamic moment 3 times higher than the static moment capacity. Moment tests show failure point at 12 times static moment specifications.

### Options

<table>
<thead>
<tr>
<th>Option</th>
<th># Pins</th>
<th>Electrical Rating</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>A15</td>
<td>15</td>
<td>3A/50V</td>
<td>High-density D-sub connector</td>
<td>Gold-plated contact pins</td>
</tr>
<tr>
<td>E10</td>
<td>10</td>
<td>3A/150V</td>
<td>Solder connection, miniature size</td>
<td>Gold-plated contact pins</td>
</tr>
<tr>
<td>E20</td>
<td>20</td>
<td>3A/150V</td>
<td>Solder connection, miniature size</td>
<td>Gold-plated contact pins</td>
</tr>
<tr>
<td>SIP</td>
<td>N/A</td>
<td>N/A</td>
<td>Lock/unlock sensing</td>
<td>See page 19</td>
</tr>
</tbody>
</table>

**Notes**

1. Optional electrical modules shown; consult catalog for other options.
2. Mounting hardware is provided: cover plate, o-ring, and master plate screws.
3. Cover plate is not necessary if robot interface plate provides sealing.
4. O-ring is not part of interface plate bore depth; it is provided separately.
5. Adjacent parts shown when coupling; consult specifications.
6. DXF, DWG and IGES images available upon request.

**Dimensions**

All dimensions are in mm.

**Bottom View Tool Plate**

- Interface plate should be designed to use M5 screws
- Ø3 dowel pin and the Ø25 recess.

**Side View**

- Master Plate
- A15 Electrical Module with 15-pin high density D-sub connector
- A15 pneumatic thru ports

**Top View Mastem Plate Without Cover Plate**

- Interface plate should be designed to use M3 screws
- Ø3 dowel pin and the Ø25 recess. Reference Note 3.