CB Hinge
Counterbalanced • Position Control

- Counterbalance technology allows for easy opening / closing of heavy panels
- Accommodates a wide variety of panel weights
- Adjustability feature allows fine tuning of panel motion
- Long cycle life

Material and Finish
Aluminum, black anodized

Installation Notes
See Trade Drawings for more information.

Application

Panel Preparation (Left Hinge Shown)

Open Position (Left Hinge Shown)

Closed Position (Left Hinge Shown)

Part Number
See table

Note: Wall panel prep shown for left-hand assembly. All geometry mirrored about “A” datum for right-hand units

Dimensions in millimeters (inch) unless otherwise stated

Visit www.southco.com/CB for complete details on variety, part numbers, installation and specification.
# Counterbalance Hinge Selection Guide (per hinge)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Graph Selection Zone</th>
<th>A Dimension cm (in)</th>
<th>B Dimension cm (in)</th>
<th>Torque N•m (lbf-in) (per hinge)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nominal</td>
</tr>
<tr>
<td>CB-11-101-00-10</td>
<td>A</td>
<td>21.6 (8.5)</td>
<td>15.59 (6.14)</td>
<td>8.8 (8.78)</td>
</tr>
<tr>
<td>CB-11-102-00-10</td>
<td>B</td>
<td>28.6 (11.13)</td>
<td>22.25 (8.76)</td>
<td>13.5 (119)</td>
</tr>
<tr>
<td>CB-11-103-00-10</td>
<td>C</td>
<td>34.3 (13.50)</td>
<td>28.29 (11.13)</td>
<td>18.2 (161)</td>
</tr>
<tr>
<td>CB-11-104-00-10</td>
<td>D</td>
<td>40.0 (15.75)</td>
<td>34.00 (13.39)</td>
<td>22.8 (202)</td>
</tr>
<tr>
<td>CB-21-101-00-10</td>
<td>E</td>
<td>29.2 (11.50)</td>
<td>27.7 (9.88)</td>
<td>24.9 (220)</td>
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<tr>
<td>CB-21-102-00-10</td>
<td>F</td>
<td>30.9 (12.17)</td>
<td>24.93 (9.80)</td>
<td>29.4 (260)</td>
</tr>
<tr>
<td>CB-21-103-00-10</td>
<td>G</td>
<td>34.1 (13.42)</td>
<td>28.10 (11.05)</td>
<td>34.5 (305)</td>
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<tr>
<td>CB-21-104-00-10</td>
<td>H</td>
<td>37 (14.54)</td>
<td>42.4 (375)</td>
<td>39.5 (350)</td>
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<tr>
<td>CB-21-105-00-10</td>
<td>I</td>
<td>40.8 (16.04)</td>
<td>47.5 (420)</td>
<td>44.6 (395)</td>
</tr>
</tbody>
</table>

**Dimensions in millimeters (inch) unless otherwise stated.**

**Panel Balance Characteristics (typical):**

- **Panel may shut on its own to assure fully closed position.**
- **Panel may rise on its own to assure fully open position.**
- **Neutrally balanced zone: no user effort.**
- **Vertical center of gravity 28.5 (1.125) cm.**
- **Ideal condition:**
  - Horizontal center of gravity
  - Panel center of gravity
  - Panel shown in closed position
  - Direction of rotation to open position
  - Adjustment screw

For complete details on variety, part numbers, installation and specification, go to [www.southco.com/CB](http://www.southco.com/CB).