TIE-DEX® CALIBRATION DEVICE – A50099

Introduction:
The A50099 Tie-Dex® Calibration Device is to be used with the A30199, A40199, A35199, and A35599 Tools using BAND-IT® Tie-Dex® ties only.

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Safety Practices:
1. Read this manual and become familiar with the device before use.
2. Protective eyewear should be worn during use.
3. Wear appropriate gloves for handling steel.
4. Care should be taken to insure fingers are not in contact with the Tie during calibration.
Specifications:

Range: 50 lbf – 170 lbf
Accuracy: ±2 lbf
Dimensions: 6.65" Long X 2.47" Wide X 2.83" Tall (Device)
Weight: 2 lbs (Device)

Tie-Dex® Calibration Kit Contains the Following Items:

Calibration Device with
Interface, Tie-Dex® II (factory installed on Device)
Interface, Micro Tie-Dex® II
Test Band, 50pcs
Test Band, Micro, 50pcs
Calibration Adjustment Key
Hex Key, 1/16"
Hex Key, 9/64"
Carrying Case
Note:

Calibration device must have 20-30 lbf pre-load to ensure accuracy.

1 lbf = 1 psi Approx.

Rotate the load adjustment screw counter-clockwise if gauge indicates the pre-load is less than 20 lbf.
1. Attach appropriate Tool Interface to Calibration Device (Tie-Dex® II Interface comes factory installed). Use Hex Keys provided with kit to remove and install Cap Screws and Flat Head Screw.

2. Press Band Release Button and insert appropriate Test Band (be sure to use the correct test band depending on the type of tool being calibrated). Test Band must be clean and undamaged.

3. Insert other end of Test Band into the Tool band slot.

4. Actuate Pull-Up Lever on Hand Tool until Lever locks in place against Tool Body and preset tension has been achieved. Be sure the Tool Head is nested in the Interface, as shown below. If a Tie-Dex® pneumatic tool (A35199, A35599) is being calibrated, be sure that the cutoff disable switch is in the off position. Warning: do not cut off band while tool is being calibrated.

5. At this point in the calibration procedure, the Gauge reading on the Calibration Device indicates the pull-up force (lbf) that the Tie-Dex® II tool is set to.
6. While the Pull-Up Lever is held up against the Tool Body, press the Tension Release Lever forward. This will unlock the Pull-Up Lever. Next, actuate the Gripper Release Lever and slide the Tool away from the Calibration Device.

7. Press the Band Release Button to remove and discard used Test Band

*Note: Band Release Button will not actuate while Tie-Dex® II Tool is in Calibration Device.*

8. If needed, adjust preset tension on Tie-Dex® II Tool. To adjust, remove Plug from rear of Tool Body and insert Calibration Key. Rotate as needed. Repeat instructions above to verify calibration.

9. To qualify calibration, repeat calibration steps 3 times using a fresh piece of Test Band each time.
The Calibration Device can be calibrated to within ±2 lbf of actual load frame readings in the 50 to 170 lbf range.

Remove the Interface and Rotate Calibration Adjustment Screw clockwise to decrease calibration device reading and counter-clockwise to increase readings.

1 full turn = 1 lbf Approx.

The Calibration Device may be returned to BAND-IT® for periodic calibration.

Each Calibration Device has its own serial number and calibration history.

Replacement Parts

Interfaces

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Used With</th>
<th>Kit Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>A50799</td>
<td>A40199, A35199</td>
<td>Interface, Cap Screws (x2), Flat Head Screw</td>
</tr>
<tr>
<td>A50899</td>
<td>A30199, A35599</td>
<td>Interface, Cap Screws (x2), Flat Head Screw</td>
</tr>
<tr>
<td>A50999</td>
<td>A001</td>
<td>Interface, Top Support, Cap Screws (2), Flat Head Screw</td>
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Test Bands and Keys

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Packaged Quantity</th>
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<tbody>
<tr>
<td>A50599</td>
<td>Test Band, Tie-Dex®</td>
<td>50</td>
</tr>
<tr>
<td>A50699</td>
<td>Test Band, Tie-Dex® Micro</td>
<td>50</td>
</tr>
<tr>
<td>A44699</td>
<td>Calibration Key, Tie-Dex®</td>
<td>1</td>
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</table>

Refer to website for warranty information: [http://www.band-it-idex.com/warranty.html](http://www.band-it-idex.com/warranty.html)