Direct Tension Indicator Guide

May 2020

Testing

**Step 1**
Assemble hardware in a tension calibrator.

**Step 2**
Tighten hardware to the required tension.

**Step 3**
- Measure the gap at this test tension; to which you will make smaller in the steelwork.
- Completely flat is a problem when testing but not in the steelwork.
- Record the results from testing to form the job inspection gap.
Direct Tension Indicator Installation and Inspection

**Assemble**

<table>
<thead>
<tr>
<th>Standard DTI</th>
<th>Squirter® DTI</th>
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<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
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<tr>
<td>Snug</td>
<td>Required</td>
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<tr>
<td><strong>Bring the steelwork together before completely flattening the DTI.</strong></td>
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**Standard DTI**

- Tighten until the gap is gone, or smaller than the job inspection gap.

**Squirter® DTI**

- Tighten until orange is visible at all bump locations. The job inspection gap may be confirmed if the indication media is gone.

**Inspect**

Squirter® DTIs enable complete visual inspection. Otherwise, ensure enough DTIs are flatter than the job inspection gap or are completely flat.

If it's not easy call us! We want you hanging iron.

**(802) 460-3100** or **appliedbolting.com**

Check the website for bolting resources; including test forms.