



**Sturtevant
Richmont®**
Torque Measurement Systems

Sturtevant Richmond

Global Reach. Local Support

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Rundown Fixtures Instruction Sheet

Applicable Rundown Fixtures

10349 1 Nm (10 in. lbs.)	10350 3 Nm (25 in. lbs.)	10351 6 Nm (50 in. lbs.)	10352 17 Nm (150 in. lbs.)
10353 34 Nm (300 in. lbs.)	10354 34 Nm (300 in.lbs.)*	10355 68 Nm (600 in.lbs.)*	10356 109 Nm (960 in. lbs.)*
10357 204 Nm (1800 in. lbs.)*	10358 339 Nm (3000 in. lbs.)*		

* Male square drive to tester. Non-asterisk fixtures have female hex drives.

Photograph 1



Photograph 2



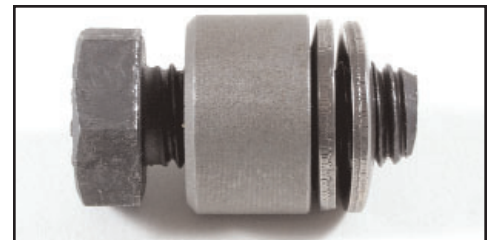
Photograph Key - Photos 1 & 2

1. Fixture Body Drive. May be male square or female hex, depending upon size.
2. Fixture Body Housing. Has recess for washers and fixtures, and female threads for screw at bottom.
3. Flat Washers. Two per fixture.
4. Belleville Washers. Four per fixture.
5. Bushing. Used with Belleville Washers to emulate hard joint.
6. Screw. May be external or internal hex, depending upon fixture size/capacity.
7. Hex Adapter. For use driving internal hex screws (smaller fixtures).

To Configure Fixture for Hard Joint

1. Assemble as shown in Photograph 3 to right.
 - A. Screw
 - B. Bushing
 - C. Two Belleville Washers, concave sides facing each other.
2. Insert Screw into housing and start thread one full turn.

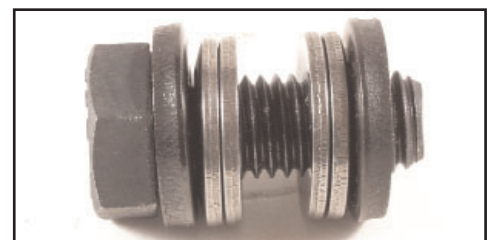
Photograph 3



To Configure Fixture for Medium Joint

1. Assemble as shown in Photograph 3 to right.
 - A. Screw
 - B. Flat Washer
 - C. Four Belleville Washers in two pairs, washer concave sides in each pair facing other pair.
 - D. Second Flat Washer.
2. Insert Screw into housing and start thread one full turn.

Photograph 4



Safety

Always wear all recommended safety equipment when operating power tools.

Operation

1. Configure fixture to create proper joint type per instructions on other side of this page.
2. Attach drive of fixture to drive of tester.
 - A. For square drives, insert male square of fixture into female square of tester.
 - B. For hex drives, unscrew holding screws on fixture female hex, insert onto tester male hex, retighten holding screws.
3. Configure power tool for testing. Use Hex Adapter if needed.
4. Engage socket (or Hex Adapter, as applicable) securely to screw hex.
5. Perform test; run screw down fully into fixture until it stops moving or shuts off.

Fixture Maintenance

- » Check screw hex and thread condition after every set of tests. Replace screw if threads or hex are damaged.
- » Check lubricant before each set of tests. Lubricant must be clean (free of contaminants) and present on Belleville Washers, Flat Washers, under Screw head, and on Screw threads.
- » Disassemble fixture, clean lubricant off components, and replace with new lubricant every 3,000 rundowns or whenever lubricant becomes contaminated, whichever occurs first.
- » Visually inspect all washers for cracks or chips each time a fixture is disassembled. Replace any cracked or chipped washer(s) immediately - before next use of fixture.

Questions and Parts

If you have any questions or need any parts, please contact Sturtevant Richmond using the contact information on the front of this instruction sheet.