Spring Run Down Adapters

Rev 2.2 (6/20/2013)

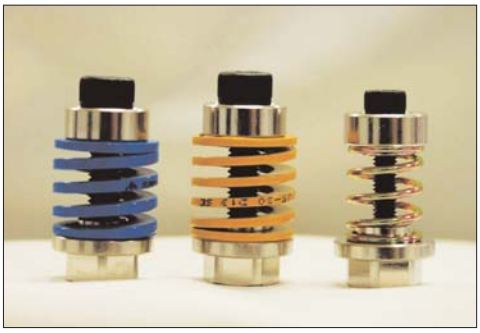
Features

Designed to provide consistent and reliable torque readings for use with power driven torque control tools.

Adapter is mounted in-line between tool drive and a transducer.

Compact size and lightweight.

Compatible with only the EZ-TorQ torque tester.



Operation

These durable spring run down adapters are designed to provide consistent and reliable torque readings for use with power driven torque control tools. The spring run down adapters reduce the impact and irregular peaks that cause poor repeatability. Each spring run down adapter has an effective torque range and will supply repeatable torque data within that range if used correctly.

Operation

1. The spring run down adapter is mounted in-line between the tool drive and transducer.
2. The transducer should be properly secured on a solid surface or a test bench.
3. Before each test run, the spring run down adapter should be completely backed-up so the input drive can rotate freely.
4. The spring run down adapter is designed to run in clockwise direction only.
5. Apply torque until spring run down adapter is run down completely. Then note or save reading with the analyzer.

Torque Test Scatter Graph

The graph below shows torque values recorded after each test run.

Mean Torque: 11.72 lbf.in
Standard Deviation: 1.53 lbf.in

The spring run down adapter is designed to provide minimal scattering when used with a reliable and repeatable power tools, transducers and torque analyzers. The test equipment and method that are used will affect the performance of the run down adapters.