

TEST REPORT

Mechanical & Hardgoods Laboratory

Report No.: TH70116/2017

Page:

of

Date:

AUG. 01, 2017

The following merchandise was submitted and identified by the applicant as:

Product Description: 1711 (3/8" Dr.) & 22H (1/2" Dr.) Insert-Snap Wrench

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Requested:

Durability Test (Life test)

Test Method:

a. Install the sample in the fixture then secure them on the torque test machine.

b. Apply a repeating torque to the sample with requested test conditions, then

test until it is damaged or completed the test cycles.

Test Result:

--See following sheet(s)--

Date of Receipt: JUL. 11, 2017

Testing Period: JUL. 12, 2017 ~ JUL. 31, 2017

--- See Next Page ---

Signed for and on behad SGS Taiwan Ltd.

Kaini Chen

Team Leader

Testing Place: No. 9, 14th Rd., Taichung Ind. Park, Taichung City 40755, Taiwan

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Page:

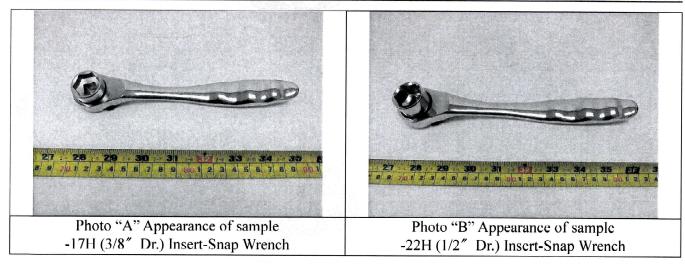
Test Result:

Sample	Test Conditions	Result (Cycles)	Result
17H (3/8″ Dr.) Insert-Snap Wrench	 Adjustable Position: Clockwise. Test Torque: 60.6 N-m. Test Cycles: 20,000 cycles. Test Frequency: 18 cycles/min. 	20,000	No function failed after testing.
	 Adjustable Position: Counterclockwise. Test Torque: 60.6 N-m. Test Cycles: 20,000 cycles. Test Frequency: 18 cycles/min. 	20,000	No function failed after testing.
22H (1/2" Dr.) Insert-Snap Wrench	 Adjustable Position: Clockwise. Test Torque: 153.6 N-m. Test Cycles: 20,000 cycles. Test Frequency: 18 cycles/min. 	20,000	No function failed after testing.
	 Adjustable Position: Counterclockwise. Test Torque: 153.6 N-m. Test Cycles: 20,000 cycles. Test Frequency: 18 cycles/min. 	20,000	No function failed after testing.

Note. 1. The gear mechanism of sample advanced at 15°.

- 2. Test conditions was provided by the applicant.
- 3. Test torque follows 30% of min. proof torque of DIN Standard. (DIN Standard provided by the applicant: 3/8"Dr. Wrench: 202N-m, 1/2"Dr. Wrench: 512N-m)

- Picture(s) -



--- End of Report ---

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