



TEST REPORT

Mechanical & Hardgoods Laboratory

Report No. : TH60154/2017

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Date : JUN. 20, 2017

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

Product Description: 17H (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: Torque Capability Test

Test Method:

1. Install the sample in the fixture then secure them on the torque test machine.
2. Apply a specific torque to the sample.
3. Visual inspect on the sample for any damage after testing.

Note- Test rate: 30 °/min.

Test Result:

Sample	Client's Requirement		Result (N-m)	Observation
	Sample No.	N-m		
17H (3/8" Dr.) Insert-Snap Wrench	1	343.4 (DIN X 1.7)	343.4	No visual damage found on the sample after testing
	2	606.0 (DIN X 3.0)	501.0	The function failed after testing.
22H (1/2" Dr.) Insert-Snap Wrench	1	768.0 (DIN X 1.5)	768.1	No visual damage found on the sample after testing
	2	1024.0 (DIN X 2.0)	1024.0	No visual damage found on the sample after testing

Note: 1. Torque requirement above was provided by the client.

2. DIN Standard

3/8"Dr. Wrench: 202N-m

1/2"Dr. Wrench: 512N-m

Date of Receipt: JUN. 14, 2017

Testing Period: JUN. 15, 2017 ~ JUN. 19, 2017

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Signed for and on behalf of
SGS Taiwan Ltd.

Kaini

Kaini Chen
Team Leader



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

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– Picture(s) –



Photo "A" Appearance of sample
-17H (3/8" Dr.) Insert-Snap Wrench



Photo "B" Appearance of sample
-22H (1/2" Dr.) Insert-Snap Wrench

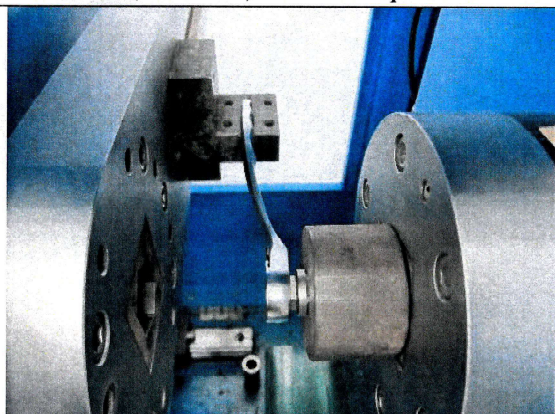


Photo "C" Torque Capability Test
-17H (3/8" Dr.) Insert-Snap Wrench

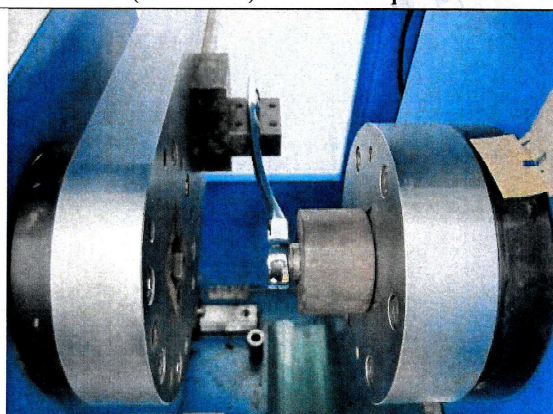


Photo "D" Torque Capability Test
-22H (1/2" Dr.) Insert-Snap Wrench

--- End of Report ---