

TEST REPORT

REPORT NO : 2015CB0064

PAGE : 1 OF 5

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Applicant. : IMITEX INDUSTRIES (M) SDN. BHD.
1767, Jalan Kulim,
14000 Bukit Mertajam,
Pulau Pinang.

Manufacturer : IMITEX INDUSTRIES (M) SDN. BHD.

Product : Self Drilling Screw

Reference Standard/
Method of test : 1) ASTM B 117 : 1997 – Standard Method of Salt Spray (FOG) Testing.
- Salt Spray Test for 240 hours
2) AS 3566 - 1: 2002 – Self-drilling Screws for the Building and
Construction Industries. Part 1 : General Requirements and Mechanical
Properties
- Clause 2.7 – Torsion Test
- Clause 2.8.2 – Holding Strength

Description of sample : Seven samples of Self Drilling Screw were received for testing.
Marking : IX
Model : #10x $\frac{3}{4}$ " (DS520HO)

Date Received of
Complete Application : 03rd December 2014

Job No./Ref. No. : J20141435888/SQAS/CCST/T.REC/MSL/03

Description of test
results : The test results of the submitted test samples are described in Page 2
to Page 5 of this test report.

Issued date : 20 JAN 2015

Approved Signatory

(MOHAMAD RAZIQI SHA'DUN)
Testing Executive



(M. RAJA NOR SIHA BT RAJA ABD HANAN)
Head
Civil & Construction Section
Testing Services Department

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TEST RESULTS : CLAUSE 2.7 – TORSION TEST

Test procedure :

- 1) Clamp the screws securely in a mating, split, blind hole die or by other means. Take care not to damage the clamped portion of the threads. Ensure that at least two full threads project above the clamping device.
- 2) Apply torque through a driving tool, corresponding to the driving feature of the screw until the screw fails.

SAMPLE REFERENCE	AS 3566.1 – 2002 (Nm)* ST 4.8 (No.10)	TORSION (Nm)	REMARKS
Sample 2	6.9 (min)	11.5	Pass
Sample 3		10.0	
Sample 4		12.0	

Note : * Based on type BSD requirement as per AS 3566.1 : 2002

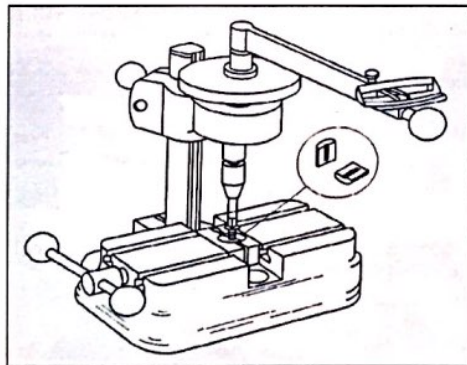


Figure 1.0 : Fixture For Determining Torsion Strength

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TEST RESULTS : CLAUSE 2.8.2 – HOLDING STRENGTH

Test procedure :

- 1) Drive a screw into the test plate, with at least one full pitch protruding from the opposite side of the plate.
 - 2) Position the test plate and screw assembly in the fixture (see Figure 1.0).
- Note : If a test plate is used for a number of tests, screws are not placed closer than 50 mm to each other or closer than 25 mm to the edge of the test plate.

SAMPLE REFERENCE	AS 3566.1 – 2002 Requirement ST 4.8 (No. 10)	REMARKS
Sample 5	2.5 kN (min.)	1) The sample was able to withstand 2.5 kN load. 2) The sample buckled from 1.5 mm G450 steel test plate at 4.94 kN load.
Sample 6	2.5 kN (min.)	1) The sample was able to withstand 2.5 kN load. 2) The sample buckled from 1.5 mm G450 steel test plate at 3.70 kN load.
Sample 7	2.5 kN (min.)	1) The sample was able to withstand 2.5 kN load. 2) The sample buckled from 1.5 mm G450 steel test plate at 3.20 kN load.

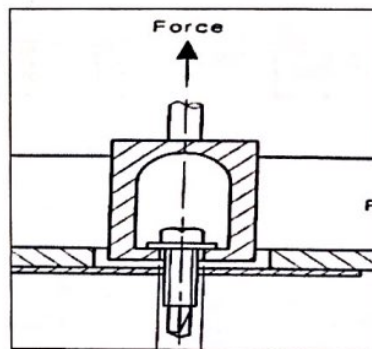


Figure 2.0 : Typical pull out test fixture

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