

东莞市亿晟五金制品有限公司

拉釘拉剪力測試報告

Rivet Tensile&Shear Stress Test Report

測試日期:
Testing Date: 2023-9-9

編號:
Report no: YS23090901A

測試項目: Test item:	抗拉抗剪力 Rivet Tensile&Shear Stress	測試工具: Test machine:	TE001 Tensile Tester
測試地點: Test site:	實驗室	測試人員: Testers:	林坤
料號: P/N:	規格: Specification: 1801-0509	客戶料號: Customer P/N:	

測試過程及說明

Testing process and instructions

一、此測試為模擬實際應用作測試

This test is to simulate the actual application for testing

二、拉力及剪力分別用不同的治具測試

Tensile and shear, respectively, with a different gauge of testing

三、本次測試治具板厚為4.0MM，開孔為4.00MM

The thickness of the test gauge plate is 4.0MM, opening for 4.00MM

四、測試值為拉斷之後的最大峰值拉力

The test result is the maximum peak tension after the rivet was broken

五、為了保證測試的準確性治具材質為特殊鋼

In order to ensure the accuracy of the test, we use special steel as the gauge's material

六、測試完成後治具不形變（即開孔不大於4.04MM）

After the test is completed, the gauge is not deformed (i.e. the opening not larger than 4.04MM)

七、每次測試一PC拉力或剪力

Each time just test 1pc tensile or shear

八、準備機臺-拉釘拉入治具-測試-拉斷-記錄結果

Preparation of machine - rivet pulled into the gauge - Testing - breaking - Record Results

九、圖片僅示意測試方法，非每款的具體測試圖片

Picture only to indicate the test method, non-Rivet each specific test picture

拉力實驗機/Tensile testing machine
TE001 Tensile Tester



1. AFAR P/N: 0

2. 拉力治具: 用拉合治具, 測試縱向抗拉力
Tensile gauge: use the rivet pull together the gauge, test vertical pull-off stress

3. 剪力治具: 用拉合治具, 測試橫向抗剪力
Shear gauge: pull the rivet pulling gauge, testing horizontal cutting stress



4. 拉入拉力治具中
Pull



5. 拉入剪力治具中



8. 顯示結果 Display the results



6. 抗拉力測試 Tensile test



7. 抗剪力測試 Shear test

測試數據表

Test data sheet

原圖標準 Original Standard	標準 Standard	序號 Item	抗拉力值 Tensile result	抗剪力值 Shear result
拉力(Tensile):1700N Min 剪力(Shear):1100N Min	拉力(Tensile):1700N Min 剪力(Shear):1100N Min	1	1779	1152
		2	1725	1203
		3	1783	1189
		4	1795	1165
		5	1788	1191