

**Report No: 05414-0518-01637-MEME/1**

Date of Report: 03 May 2018

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Client's Reference: P/O No: PT180089

**Report Title:** Load Testing

**Client Details:** Jayacoat Industries Sdn Bhd  
Lot 61, 11 Miles Jalan Chera, 43300 Kajang,  
Selangor Darul Ehsan, Malaysia

**Attn:** Ms Chur Soo Ling

**Sample Description:** One (01) piece of Diameter 127 Solid Stainless Steel Grommet c/w Top lid  
2.5mm and Bottom Lid 2.5mm (Figure 2)

**Tested For:** TASS Cable Management Ltd  
Unit 1, Leonard House, 38A, Rosemary Lane,  
Blackwater, Camberley Surrey  
United Kingdom GU170LT

**Test Method:** The Stainless Steel Grommet Assembly was mounted onto the test fixture. Using  
Ø50mm round point loading in the centre of the box, subjected to a compression  
load until failure occurred. (Test set-up shown in figure 3 )

**Test Equipment :** Universal Testing Machine, MTS/SINTECH 65/G  
Test Speed: 6mm per minute

**Date of Receipt:** 30 April 2018

**Date of Test:** 03 May 2018

**Location of Test:** 249 Jalan Boon Lay, Singapore 619523

**Results Reported By:**

  
Yong Soon Choy  
Reporting Officer

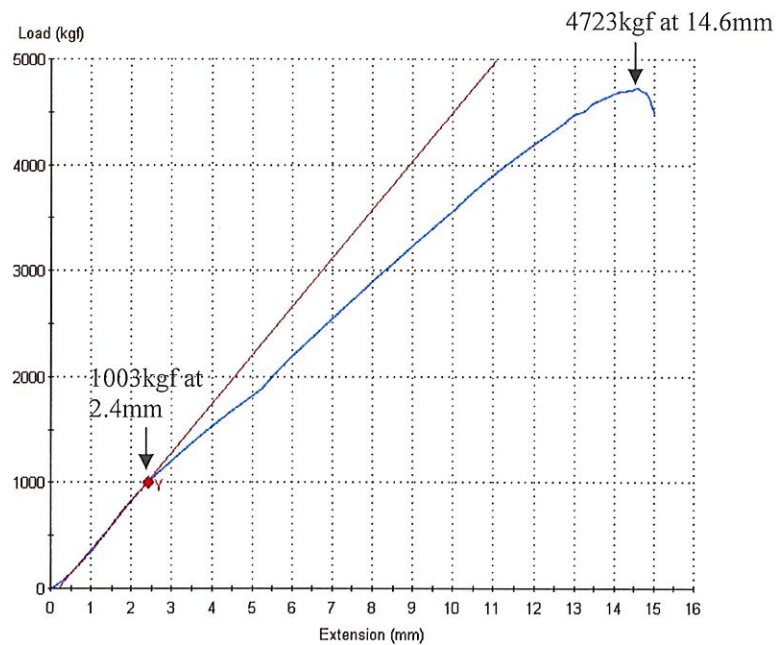
**Report Approved By:**

  
Tan Chee Kheng  
Supervisor  
Materials Engineering Division

**Results of Testing:**

**Table 1: Load Test Results**

| Sample Reference                      | Diameter 127 Solid Stainless Steel Grommet c/w Top lid 2.5mm and Bottom Lid 2.5mm |
|---------------------------------------|-----------------------------------------------------------------------------------|
| Initial Deformation Load              | 1003 kgf                                                                          |
| Extension at Initial Deformation Load | 2.4 mm                                                                            |
| Maximum Applied Load                  | 4723 kgf                                                                          |
| Extension at Maximum Load             | 14.6mm                                                                            |
| Mode of Failure                       | Figure 4 to 6                                                                     |



**Figure 1: Load vs. Extension Curve**



Figure 2: Received Sample

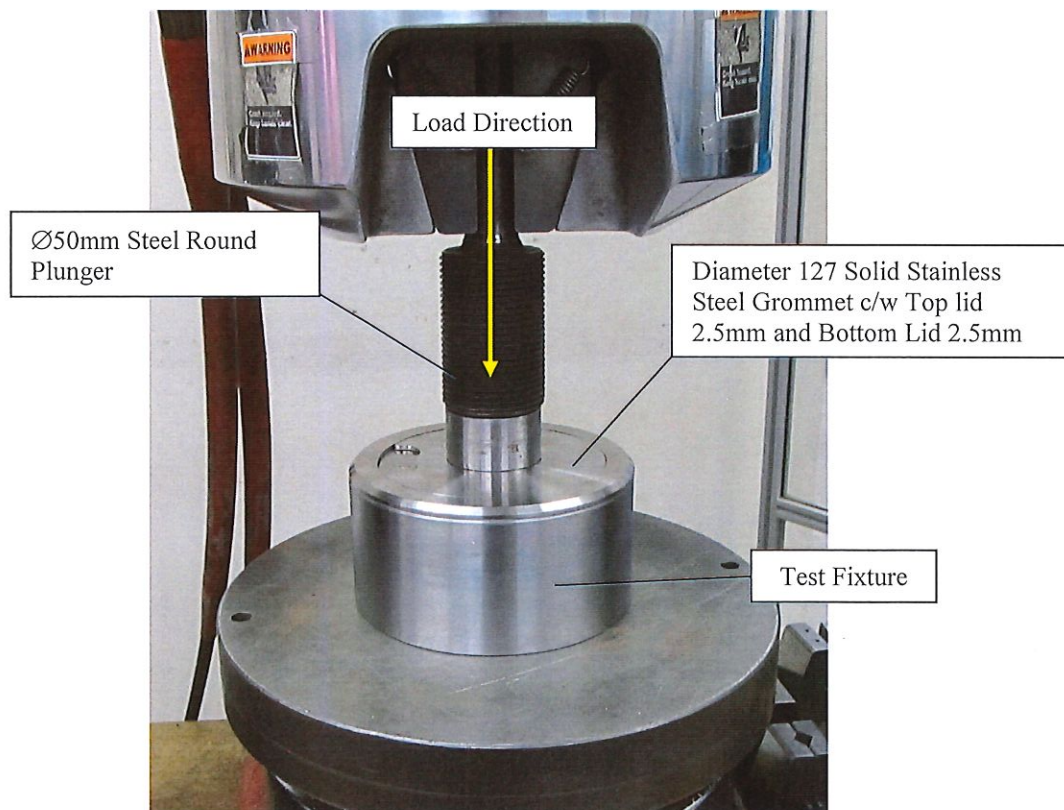


Figure 3: Test Set-up





Figure 4: After Test



Figure 5: After Test (Top View)

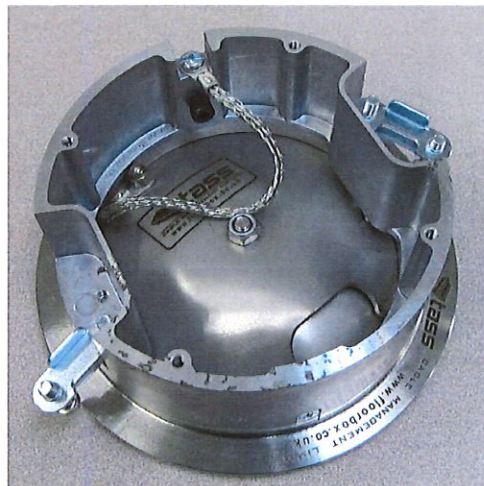


Figure 6: After Test (Bottom View)