

Main Office: 249 Jalan Boon Lay Singapore 619523 Tel: (65) 6660 7271 / (65) 6660 7322 Fax: (65) 6261 2617 (Regn No.: 198004219D) Branch Office: 4010 Ang Mo Kio Avenue 10 Techplace 1 #03-08 Singapore 569628 Tel: (65) 6854 3567 Fax: (65) 6854 3566

Report No: 15877-1218-04627-MEME/2
Date of Report: 10 December 2018

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Client's Reference:

P/O No: PT180305

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 ST0281 Series Cavity Floor Box with 12mm Recess

Stainless Steel Section Assembly Revision 4 (R4) (Figure 2)

Tested For:

TASS Cable Management Ltd

Unit 1, Leonard House, 38A, Rosemary Lane,

Blackwater, Camberley Surrey GU170LT, United Kingdom Attn: Mr. Gary Potter

Test Wethod:

The ST0281 Series Cavity Floor Box with 12mm Recess Stainless Steel Section Assembly Revision 4 (R4) was mounted onto the test fixture. Using 100mm x100mm square point plunger loading at 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 Model: MTS Sintech 65/G

Load Cell, MTS (S/N: 90357) Test Speed: 6mm per minute

Date of Receipt:

07 December 2018

Date of Test:

10 December 2018

Location of Test:

249 Jalan Boon Lay, Singapore 619523

Results Reported By:

Yong Soon Choy Reporting Officer Report Approved By:

Tan Chee Kheng Snr Supervisor

Materials Engineering Division



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Results of Testing:

Table 1: Load Test Results

Sample Reference	ST0281 Series Cavity Floor Box with 12mm Recess Stainless Steel Section Assembly Revision 4 (R4)
Initial Deformation Load	1084 kgf
Extension at Initial Deformation Load	6.6mm
Maximum Applied Load	1907 kgf
Extension at Maximum Load	19.1mm
Mode of Failure	Figure 4 & 5

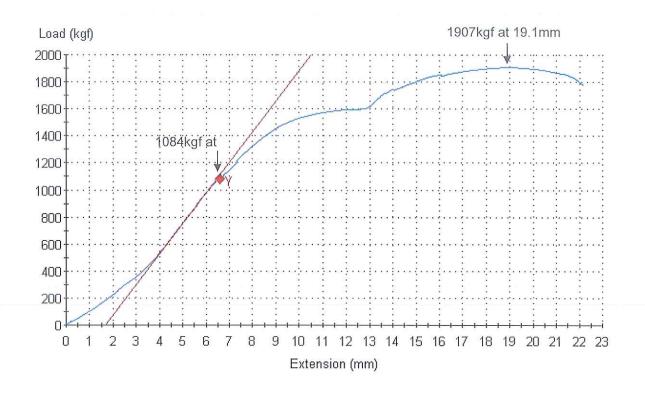


Figure 1: Load vs. Extension Curve



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Figure 2: Received Sample

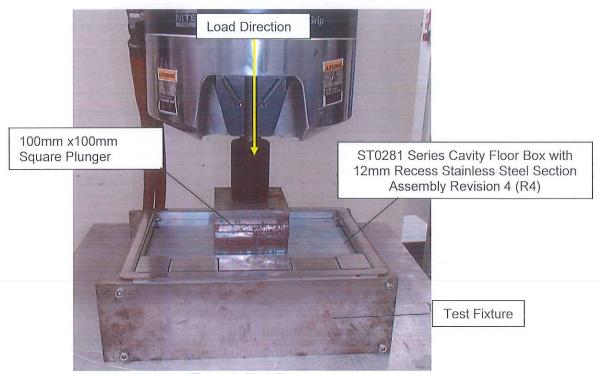


Figure 3: Test Set-up



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Figure 4: After Test



Figure 5: After Test (Top View)



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Report No: 15877-1218-04627-MEME/1
Date of Report: 10 December 2018

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Client's Reference:

P/O No: PT180305

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 ST0281 Series Cavity Floor Box with 6mm Recess ABS

Lid Section Assembly (Figure 2)

Tested For:

TASS Cable Management Ltd

Unit 1, Leonard House, 38A, Rosemary Lane,

Blackwater, Camberley Surrey GU170LT, United Kingdom Attn: Mr. Gary Potter

Test Method:

The ST0281 Series Cavity Floor Box with 6mm Recess ABS Lid Section Assembly was mounted onto the test fixture. Using 100mm x100mm square point plunger loading at 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 Model: MTS Sintech 65/G

Load Cell, MTS (S/N: 90357) Test Speed: 6mm per minute

Date of Receipt:

07 December 2018

Date of Test:

10 December 2018

Location of Test:

249 Jalan Boon Lay, Singapore 619523

Results Reported By:

Report Approved By:

Yong Soon Choy Reporting Officer Tan Chee Kheng Snr Supervisor

Materials Engineering Division



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Results of Testing:

Table 1: Load Test Results

Sample Reference	ST0281 Series Cavity Floor Box with 6mm Recess ABS Lid Section Assembly
Initial Deformation Load	483 kgf
Extension at Initial Deformation Load	6.3mm
Maximum Applied Load	1595 kgf
Extension at Maximum Load	28.5mm
Mode of Failure	Figure 4 & 5

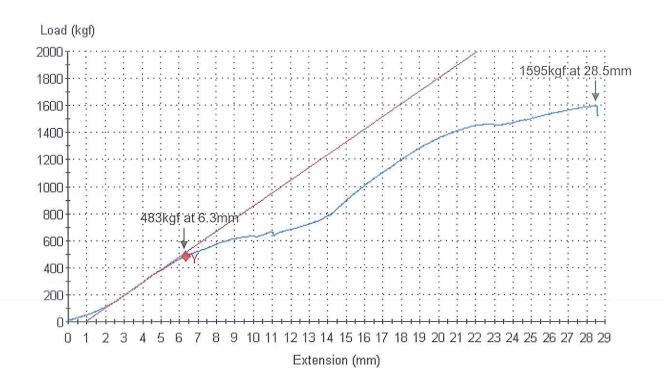


Figure 1: Load vs. Extension Curve

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Figure 2: Received Sample

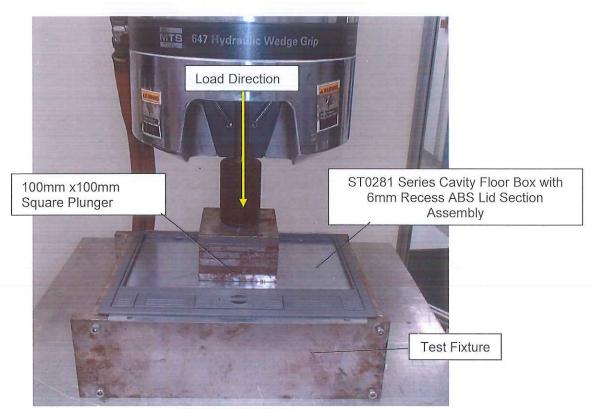


Figure 3: Test Set-up



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Figure 4: After Test



Figure 5: After Test (Top View)