

### Amended Report / Certificate

This replaces previous Report / Certificate no.:  
 INZ68921-01 dated 09/03/20.

File Ref: INZ 68921

## TEST CERTIFICATE No.: INZ68921-01A

Client: Fastmount Limited  
 Order No.: TBD  
 Sample Description: Standard Profile Range  
 Identification: As Listed Below  
 Material Specification: Acetal Copolymer  
 Tested in accordance with: Client instruction

**Test:** SGS NZ was engaged by the client to carry out a repetitive pull-out load test (Fig.1) and a shear test on the Fastmount Standard Profile Range plastic mounting systems in various configurations.

**Method:** Repetitive pull-out test

The Plastic Clip set was subjected to cyclic pull-out loading at a rate of 100mm/min. The initial pull-out force was measured and recorded, and then again after 500 cycles

Shear Test

A shear force was applied to the assembled plastic clip set ensuring no separation between the male and female clips through their axis while under load.

*Test Conditions - 23 + 2°C, r.h 50 + 10%*

**Results:**

Female Clip (Coupled with PC-SVMX)	Pull-out Force (Kgf)		Shear Force(Kgf)	Shear Failure Location
	Initial	After 500 Cycles		
PC-AF1	16.2	5.2	75.2	male clip
PC-F1A	26.1	22.3	126.6	Both male and female clips
PC-SF1	16.7	10.7	103.7	male clip
PC-RF1	26	17.4	92.1	male clip

Acceptance Criteria: Report to Client

Tested by: A. Remmington

Reviewed By: Jen Sun Hong

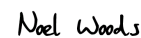
Authorised By: Noel Woods

Date: 28-Feb

13-Mar-20



16-Mar-20



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**Appendix A - Standard Profile Range**



PC-SVMX



PC-AF1



PC-F1A



PC-RF1



PC-SF1

**Appendix B - Testing setup**



Figure 1 : Pull-out Cycling

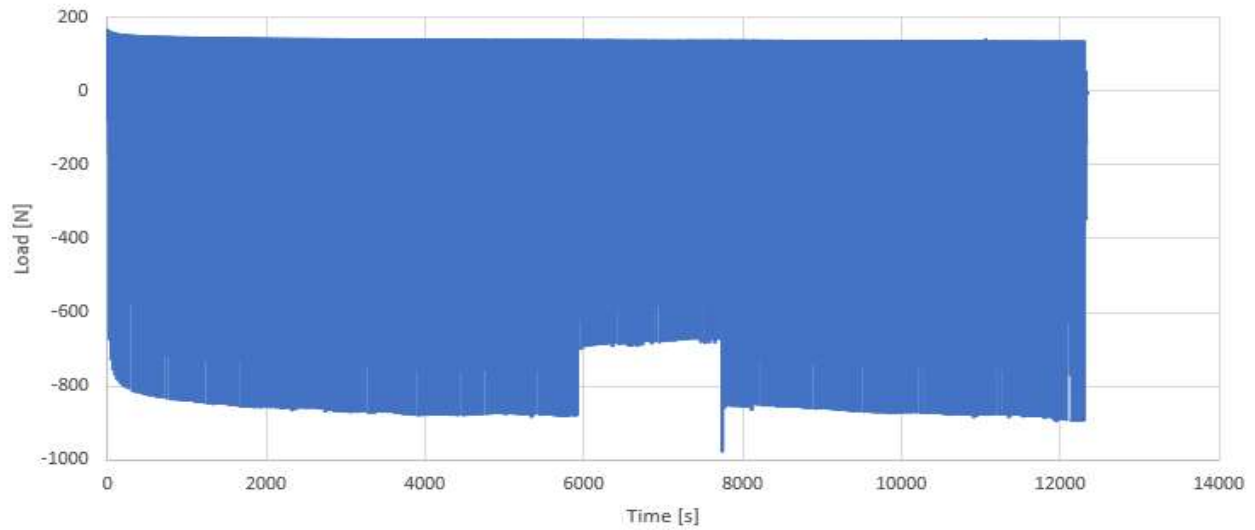


Figure 2: Shear Testing

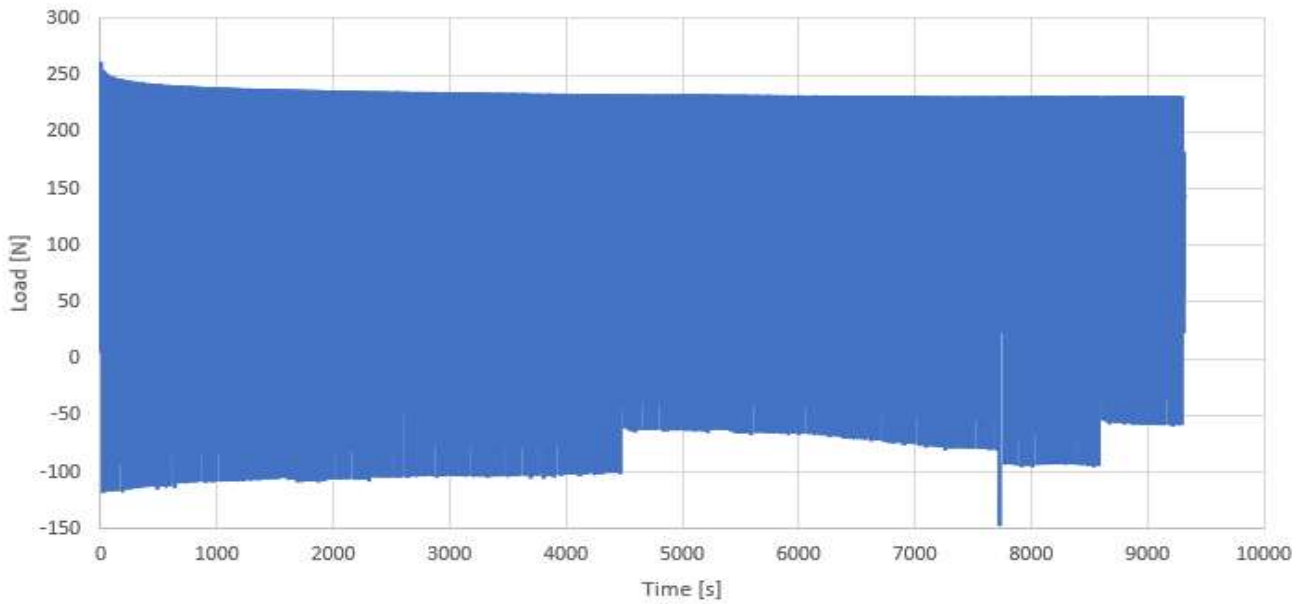
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#### Appendix C - Graphical representation of repetitive pull-out test data

PC-SVMX / PC-AF1

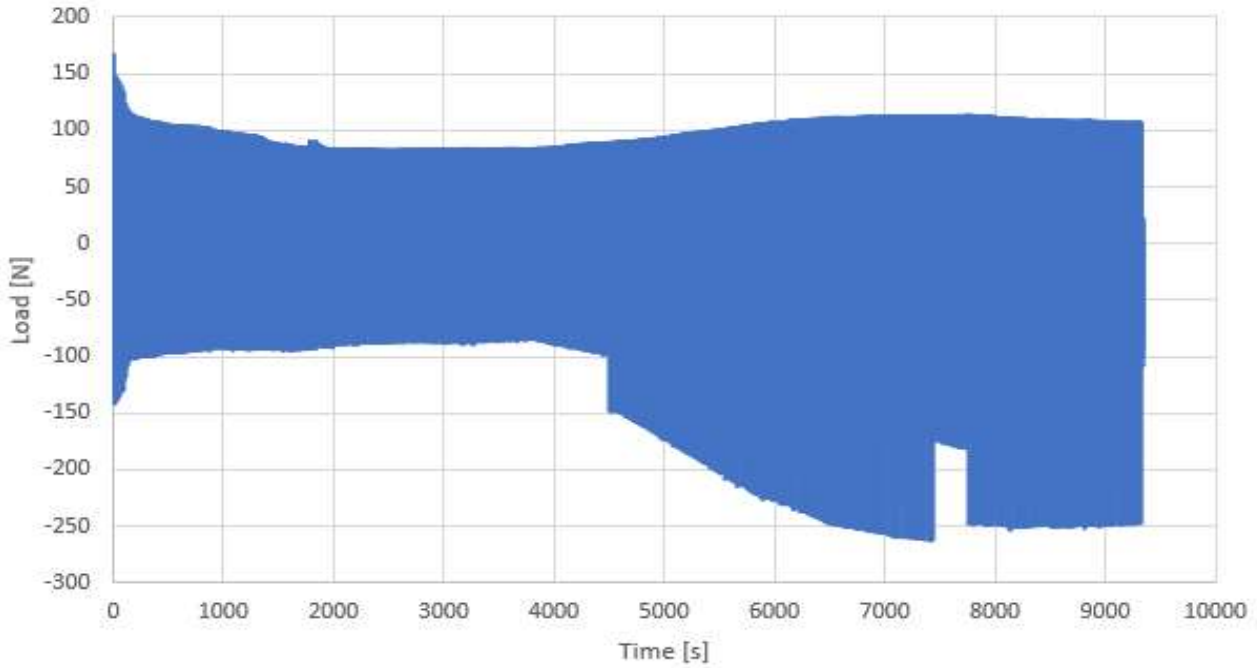


PC - SVMX / PC-F1A



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PC-SVMX / PC-SF1



PC - SVMX / PC - RF1

