

Amended Report / Certificate

This replaces previous Report / Certificate no.:
 INZ69821-02 dated 09/03/20.

File Ref: INZ 68921

TEST CERTIFICATE No.: INZ68921-02A

Client: Fastmount Limited
 Order No.: TBD
 Sample Description: Low 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 (Fig. 2) on the Fastmount Low 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 LP-SMX)	Pull-out Force (Kgf)		Shear Force(Kgf)	Shear Failure Location
	Initial	After 500 Cycles		
LP-AF8A	32.5	19.6	141.5	Both male and female Clips
LP-F8	14.4	5.9	79.3	Male clip

Acceptance Criteria: Report to Client

Tested by: A. Remmington

Reviewed By: Jen Sun Hong

Authorised By: Noel Woods

Date: 27-Feb-20

13-Mar-20

Jen Sun Hong

16-Mar-20

Noel Woods

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Appendix A - Low Profile Range



LP-SMX



LP-AF8A



LP-F8

Appendix B - Testing Setup



Figure 1: Pull Out Cycling

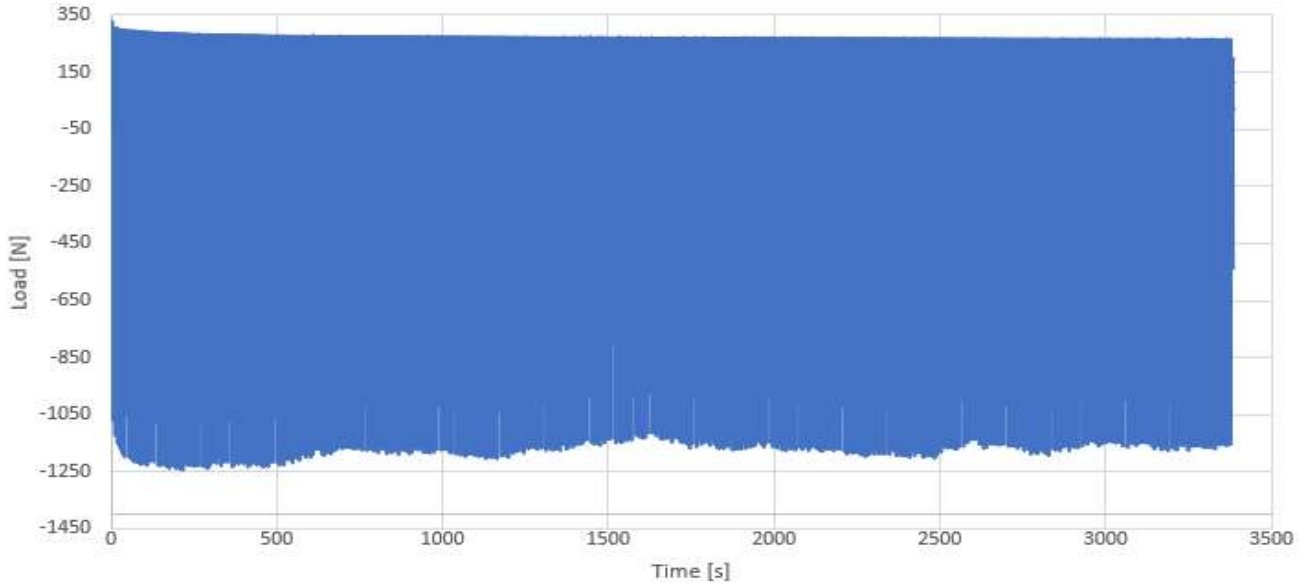


Figure 2: Shear loading

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

LP-SMX/ LP-AF8A



LP-SMX / LP-F8

