

Amended Report

This replaces previous Report no.: INZ58565-05
 dated 19/06/17.

File Ref: INZ 58565

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TEST REPORT No.: INZ58565-05A

Client: Fastmount Limited
 Order No.: TBD
 Sample Description: Very 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 Very 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 with a frequency of approximately 1 cycle per 10s. 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 / Male Clip	Pull-out Force (Kgf)		Shear Force (Kgf)	Shear Failure Location
	Initial	After 500 Cycles		
VL-F3 / VL-M3	11.4	12.3	87.7	Adhesive
VL-F3H / VL-M3H	13.7	11.2	101.4	Adhesive
VL-F3FR / VL-M3FR	14.9	12.2	107.0	Adhesive

Note: Female clips bonded to test mandrel with Fastmount SuperGroove Adhesive

Acceptance Criteria: Report findings

Tested by: G. Schoutens

Date: 05-May-17

Checked by: N. Woods

Date: 29-Sep-17



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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 14 days only.

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Figure 1 - Pull-out cycling



Figure 2 - Shear test

Appendix A - Very Low Profile Range



VL-F3



VL-M3



VL-F3H



VL-M3H



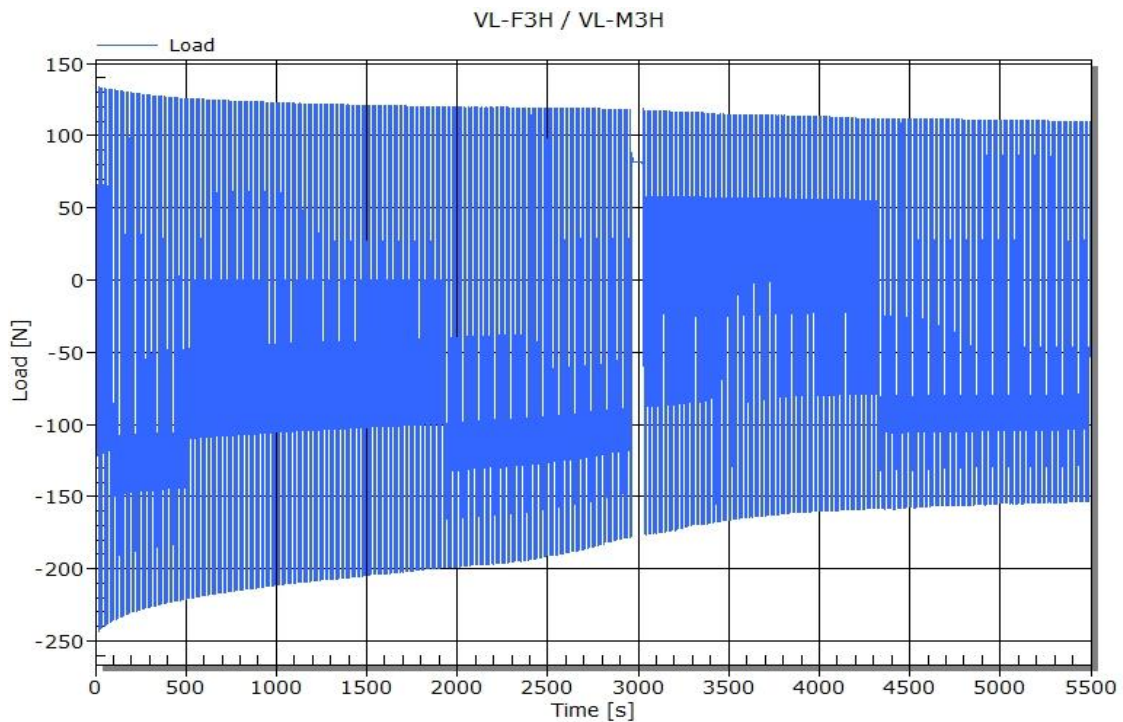
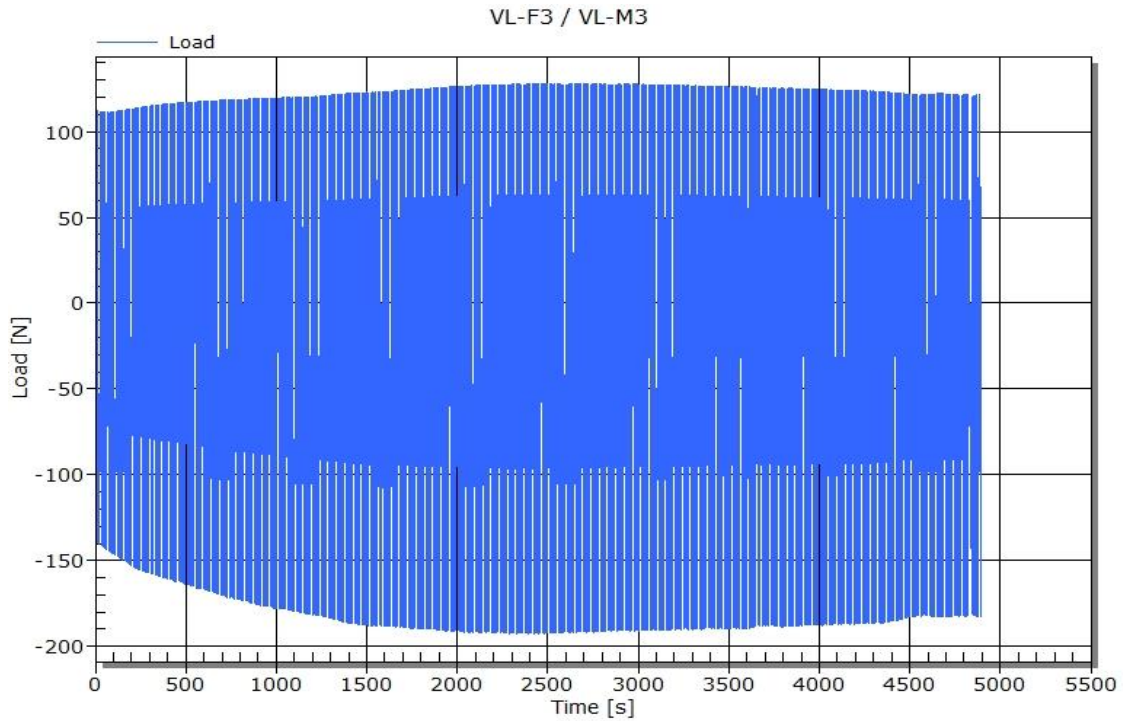
VL-F3FR



VL-M3FR

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



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