

### Amended Report

This replaces previous Report no.: INZ58565-02  
 dated 29/03/17.

File Ref: INZ 58565

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## TEST REPORT No.: INZ58565-02A

Client:	Fastmount Limited
Order No.:	TBD
Sample Description:	Metal clip set
Identification:	MC-10
Material Specification:	Nickel Alloy plated Zinc die cast alloy (EZDA) with MC-F10 containing grade 308 stainless steel internal spring and backplate
Tested in accordance with:	Client instruction

**Test:** SGS NZ was engaged by the client to carry out a repetitive pull-out load test and a shear test on the Fastmount metal clip set (figure 1).

**Method:** Repetitive pull-out test

The metal 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 metal clip set ensuring no separation between the male and female clips through their axis while under load.

Results:	Sample	Pull-out Force (Kgf)		Shear Force (Kgf)
		Initial	After 500 Cycles	
	<b>MC-10 Metal Clip Set</b>	21.3	7.4	942.9

Note: Shearing action occurred at the hex of the male clip.



**MC-F10**



**MC-M5**

Figure 1 - MC-10 Metal clip set

Acceptance Criteria: Report findings

Tested by: G. Schoutens

Date: 29-Mar-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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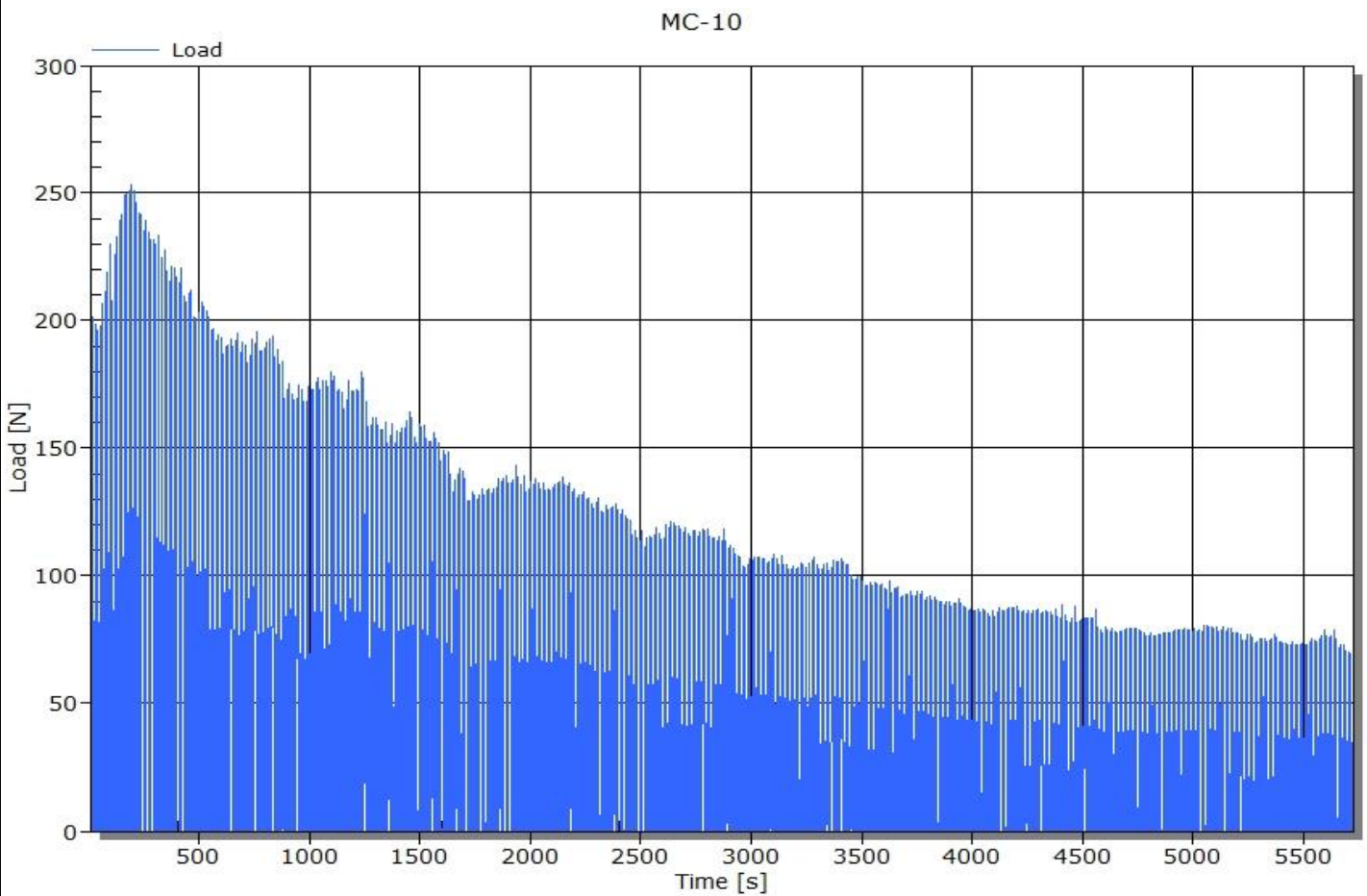


Figure 2 - Pull-out load versus time over 500 cycles