

**Amended Report**

This replaces previous Report no.: INZ58565-01  
 dated 29/03/17.

File Ref: INZ 58565

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**TEST REPORT No.: INZ58565-01A**

Client: Fastmount Limited  
 Order No.: TBD  
 Sample Description: Metal clip set  
 Identification: MC-05  
 Material Specification: Nickel Alloy plated Zinc die cast alloy (EZDA) with MC-F5 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	
	MC-05 Metal Clip Set	17.2	4.0	1049.9

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



MC-F5



MC-M5

Figure 1 - MC-05 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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## TEST REPORT No.: INZ58565-01A

MC-05

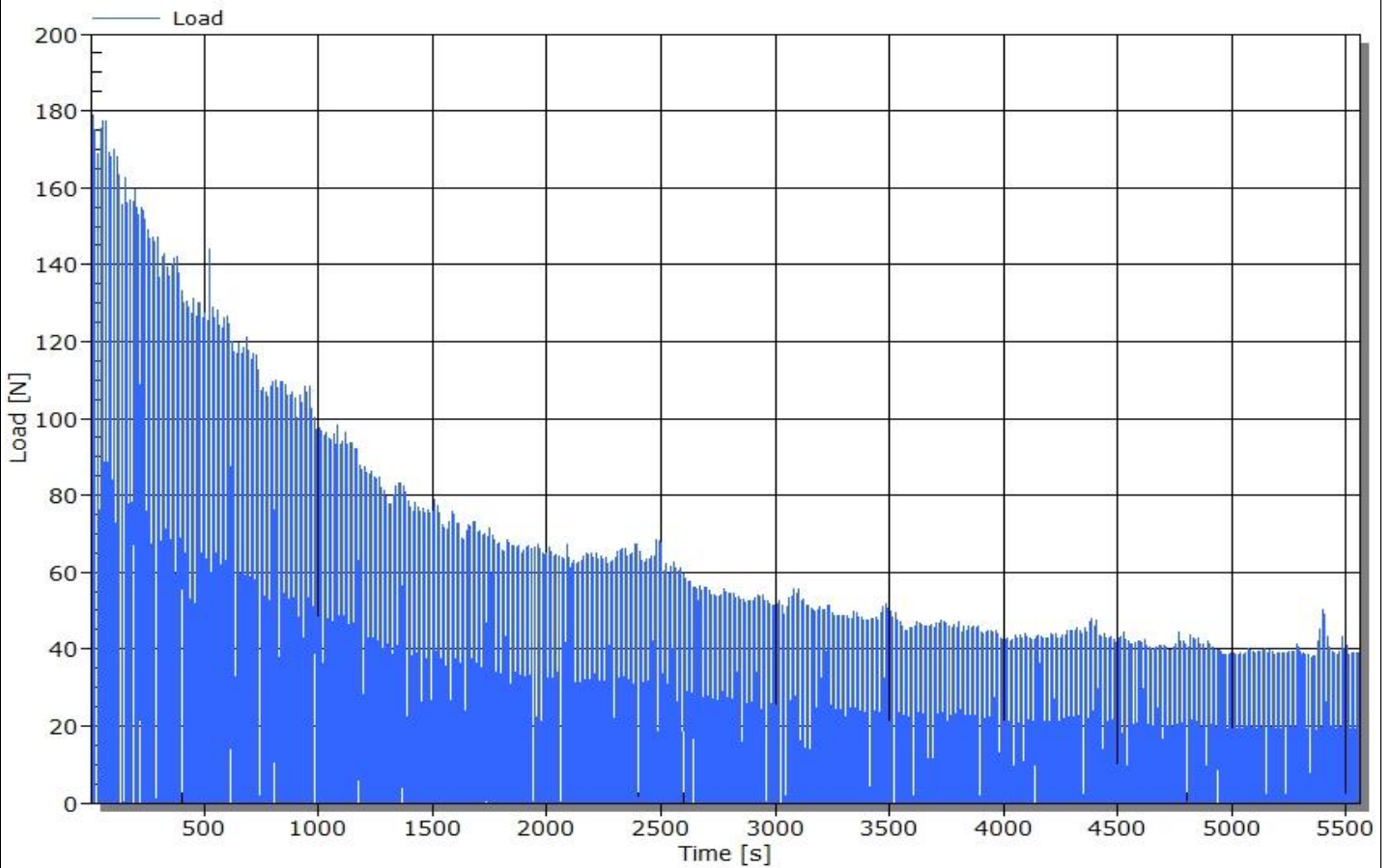


Figure 2 - Pull-out load versus time over 500 cycles