

**Project:** Gripple Hangfast

**Client :** Gripple Limited

**Client's Order No:**

**Inspection Dates**

**First:** 2-4-02

**Certificate No:** BHM 0116977/2

**Office:** Birmingham

**Date:** 2-4-02

**Order Status :** Complete

**Final** 2-4-02

**This certificate** is issued to Gripple Limited to certify that the undersigned inspector did at their request attend their premises at The Old West Gun Works, Sheffield on the above dates for the purpose of examining and witnessing tests on the items listed below. All with satisfactory results.

SCOPE of SURVEY

1. Select and identify test samples at random.
2. Audit of calibration status of all testing and measuring equipment used.
3. Witness mechanical testing.
4. Visual examination of all components after testing found to be satisfactory.


Test configuration



***Gripple Stud-Fast No 1, No 2, and No 3***

| Stud-Fast Model | MBL of Wire Rope (Galvanised) | Rope Construction | Working Load Limit (WLL) | Failure Load of test | Mode of failure                  |
|-----------------|-------------------------------|-------------------|--------------------------|----------------------|----------------------------------|
| No. 1           | 80 kg                         | 7 x 7 (6/1)       | 10 kg (22 lbs)           | 75 kg                | Wire Break.<br>Housing undamaged |
| No. 2           | 260 kg                        | 7 x 7 (6/1)       | 45 kg (100 lbs)          | 260 kg               | Wire Break.<br>Housing undamaged |
| No. 3           | 580 kg                        | 7 x 7 (6/1)       | 90 kg (200 lbs)          | 520 kg               | Wire Break.<br>Housing undamaged |

The above tests were witnessed and found satisfactory. No deformation was observed on the Gripple Hangfast components that were visually examined on completion of the test.

R Harvey   
Inspector to Lloyds Register