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#190-1-LR Load Test

Used with Litter Hoisting Sling

Part Number: 193-A



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PROPRIETARY & CONFINDENTIAL

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1.0 GENERAL:

The purpose of this report is to show the load strength of the #190-1-LR. Successful completion will confirm that the V-Ring demonstrates the suitability and safety for the intended application of helicopter hoist operations, including the deployment and recovery of persons in basket type rescue litters (Human External Cargo).

2.0 DESCRIPTION:

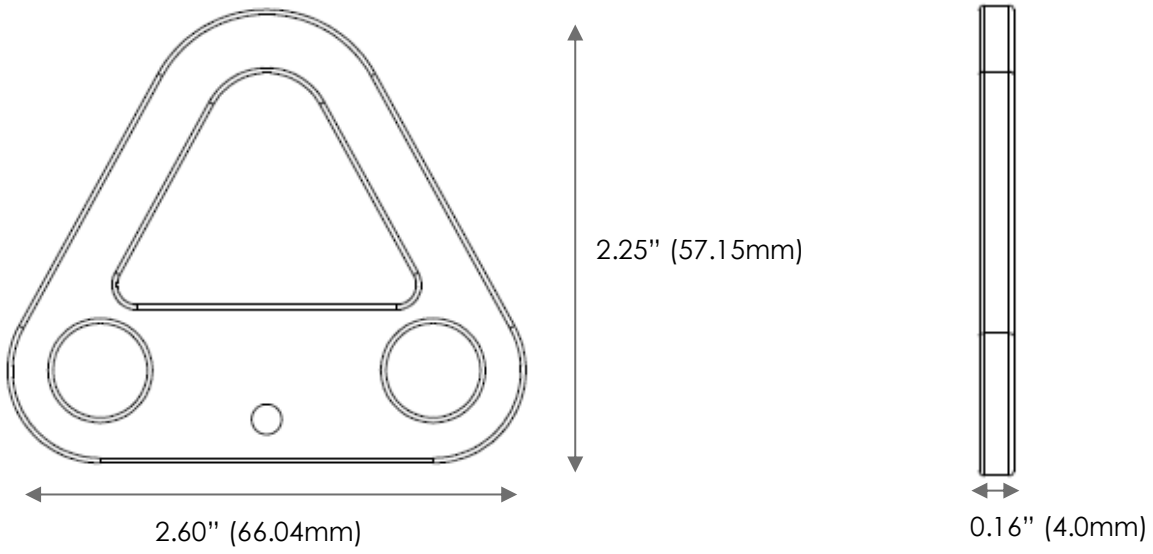
Stainless steel V-Ring used with the 193-A litter sling assembly. The load bearing design is capable of withstanding a load of 5,000lbf (22.2kN) and is corrosion resistant making it ideal for maritime environments.

3.0 SPECIFICATIONS:

Material: Stainless Steel 304

Stock Size: 8 GA

Manufacturing Process: Laser Cut and Tumbled



5.0 LOAD TEST SETUP:

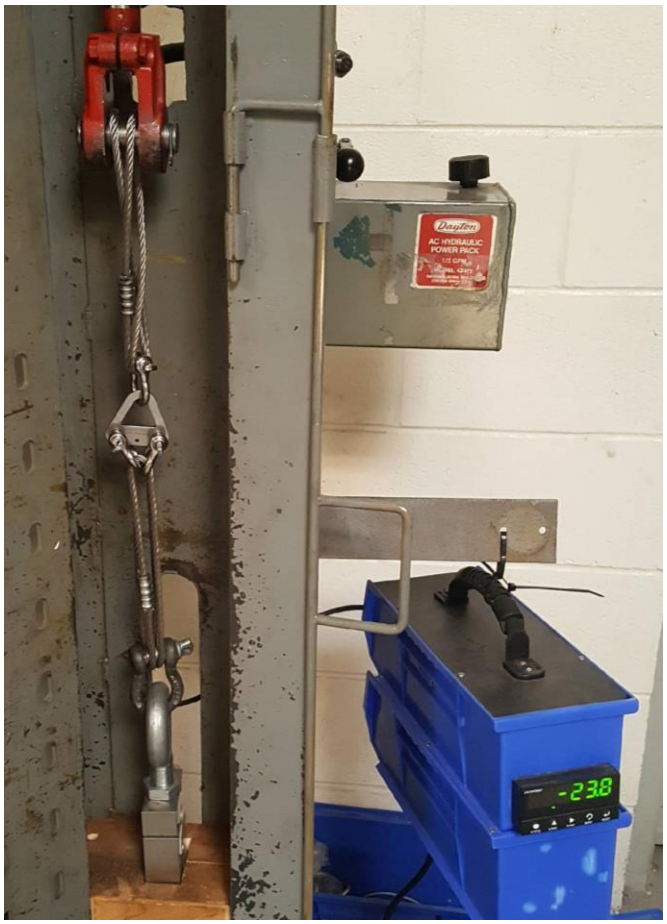
5.1 Equipment and Calibration:

The primary testing equipment consists of the following items:

1. Force Measurement: 10,000lb S-beam load cell (transducer) with one (I) each 0-10,000lbs digital gauge. Calibration conducted by Micro Precision Calibration, Inc. Sticker dated 05/02/16, valid thru 05/02/17.



2. Load Tester: Hydraulic Pull Strength



6.0 STATIC LOAD TEST:

6.1 Summary of Results:

Load	Pass/Fail	Notes
2,500lbs (11.1kN)	Pass	No Deformation Detected
5,000lbs (22.2kN)	Pass	Slight Deformation

