

Hendrik Veder Group

PROOF LOAD

TESTING SERVICES



A FULL RANGE OF CERTIFIED TESTING, MEASUREMENT AND CALIBRATION SERVICES

Hendrik Veder Group is a Rotterdam based company active in steel wire and fibre rope products and services. We have a strong foothold in seven countries in Europe, covering the North Sea, Atlantic Ocean, Baltic Sea and Black Sea, and the continental mainland.

We like to be challenged to provide products, solutions and services significant to offshore, maritime and many other markets.

TESTING SERVICES

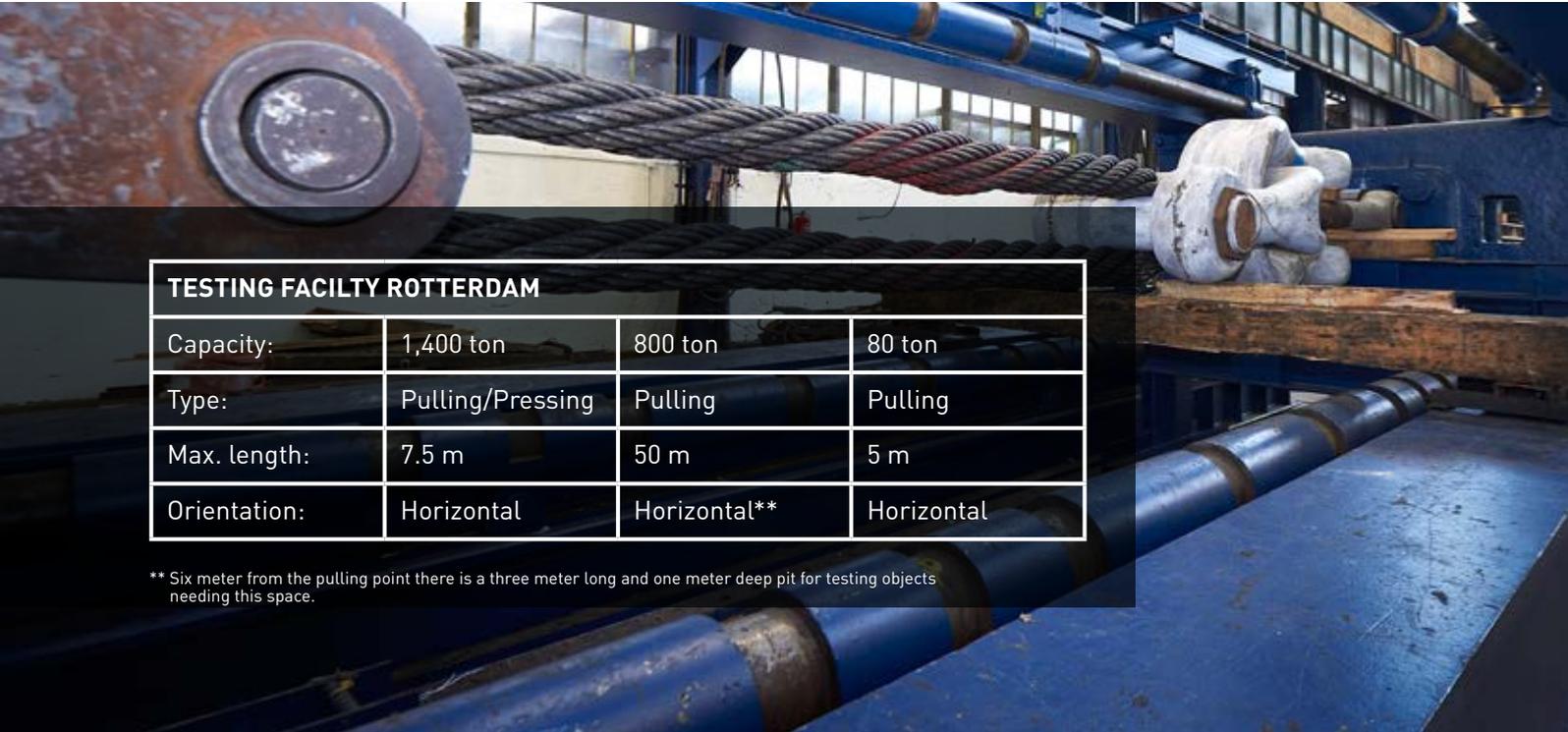
Hendrik Veder Group has been providing proof load testing for decades. We operate a number of test beds with capacities from 80 to 1,400 tons.

At our main testing facility in Rotterdam, experienced and EKH-certified* testing inspectors carry out proof loading of all sorts of hoisting, lifting, pulling, mooring, towing and lashing equipment. These tests are done in accordance with customer's requirements, or performed to conform to specific industry standards (for example, periodic testing). If necessary, tests can be witnessed by third-party classification authorities.

All our test beds are calibrated by NMI (Nederlands Meetinstituut – the Dutch Measurement Institute). The test beds are all categorized as Class 1 testing machines in accordance with ISO 7500.

* EKH (Erkende Keurbedrijven Hijs- en Hefmiddelen) is the Dutch association of accredited companies for testing hoisting and lifting equipment industry.





TESTING PROGRAM

1. PROOF LOAD

Proof load testing is generally performed to verify the Working Load Limit (WLL) of lifting equipment. We perform proof load testing on a wide variety of products with proof loads up to 1,400 tons. The products include shackles, blocks, hooks, lifting beams, steel wire rope or fibre rope, all types of slings, grommets and chain. We also test customized specials.

2. BREAK LOAD TESTING TO DESTRUCTION

Break load and destruction is used to determine the Minimum Breaking Load (MBL) and the Actual Breaking Load (ABL). We carry out these tests on steel wire rope, grommets, wire rope slings and everything that fits in the test beds, which can be loaded up to 1,250 tons for destructive testing.

3. CALIBRATION

Our testing machines have an accuracy of $\pm 1\%$, which makes them ideal for load cell calibration services. The services also include load cell shackle calibration, calibration of mooring or towing hooks with load cells, and load pin calibration.

4. MEASUREMENT UNDER TENSION

Our test beds are also ideal to determine the actual working length of steel wire and fibre rope slings, and grommets. Measurements are carried out with the product under tension.

5. PRESSING

In addition to the pulling services, we also carry out pressing services with forces of up to 1,250 tons. One of the commonly carried out services is pressing out sockets, but we also test customized specials.

RECONDITIONING AND OVERHAUL

Reconditioning and overhauling blocks, swivels, chain and other lifting gear is another area of expertise. The steps undertaken during reconditioning and overhauling include disassembly, cleaning, inspection, parts renewal, assembly, load testing, non-destructive testing (NDT) and coating.



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