



# Timm™ Load Test

At our test facilities in Timm™ Slovakia, we perform tests of fiber ropes using a state of the art fiber test bench that can withstand a testing limit of up to 300 metric tons. Timm™ Load Test can accurately determine the rope's residual strength, and this will help you to decide when to retire it.

## Purpose of testing

Timm™ Load Test is an OCIMF MEG4-compliant strength test of new or used ropes, determining a rope's breaking load in addition to performing a stiffness test. All tests are conducted by trained professionals in accordance with the ISO 2307:2010, CI 1500A, CI 1500B, and DNV GL Type Approval Program.

It can be executed to adhere to standards of other classification societies or catered specifically to your needs and requests. Following the test, results such as the rope's residual strength and elongation are compiled into a detailed report. Should you require further insight into rope safety, a video recording of the load test is available upon request.

## Considerations for rope testing

- Rope or stretcher must be in sufficient condition
- Ropes can be spliced or unspliced
- Required test length of rope is 15-25 meters
- Part of a full coil of rope can be tested and respliced afterwards
- Stretchers will be damaged during testing, while mooring ropes will be shortened after testing
- Testing ascertains the residual strength (i.e. breaking load) and elongation of the rope

## Data required for rope testing

- ✓ Certificates
- ✓ Running time/mooring hours in operation
- ✓ Time in service
- ✓ Position in service
- ✓ Any applications of shock loads
- ✓ Rope damages and reasons
- ✓ Type and size of other ropes used onboard in parallel with the tested rope

Timm™ Load Test follows a test procedure where the rope is tested under a specific amount of cyclic loading, in order to simulate standard mooring conditions. More information about the test facilities and our process for cyclic loading is available on [wilhelmsen.com](http://wilhelmsen.com)

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