

II Summary

This report consists of two experiments with steel wire rope.

1. Forced bending with several D/d -ratio's
2. Fatigue

The object of the first experiment is to verify the theoretical relation between the bending stress and the D/d -ratio. The outcome of the experiment clearly shows the experiment supports the theoretical relation.

In the second experiment two steel wire ropes are subjected to fatigue. These are only the first of a large program of fatigue-research on steel wire ropes, and therefore no quantitative conclusions can be drawn. The experiments in itself produced several numeric and visual information.