

Fact Sheet

Why Atlas® Rope?

20.09.2012

Because there are

... three good reasons for the original ...

Life

The flexural properties of ATLAS ropes are remarkable. The diagrams on 'Dynamic Bending' under 'Textile Ropes Compared' at the end of this chapter show the results of tests conducted at the Technical University of Stuttgart according to which ATLAS is best equipped for an extremely long life, assuming proper handling and usage. Rope deflection is recommended over smooth surfaces and bending radii of three to four times the rope diameter (ratio pulley or roller diameter to rope diameter 6:1 to 8:1).

Safety

A tensile test on an ATLAS rope after ten years' service on a container ship showed the rope to have 85% nominal breaking strength of a new rope.

Recommendation

Hardly a case is known where ship management and crew have not explicitly requested ATLAS ropes for winch operations when placing repeat orders.

... and some more facts:

Form stability.

Solid wire rope construction.

Combines design related advantages of wire rope construction (stability, resistance against lateral pressure) with material related advantages of synthetic wires, and yarns (low weight, no corrosion).

Bending stability.

No intersection of yarns, wires, or strands inside the rope (opposite to all common braided and plaited fibre ropes), thus no cutting pressure under load.

Chafe protection.

Integral part of production are fibre yarns in the outside layers of all strands, positioned between the polyamide wires, with the purpose to immediately transform into a furry surface around the strands after first use. This might appear as early damage, but, in fact, acts as a protective coat. These yarns have no load bearing function, their only job is to protect the rope surface from damage.

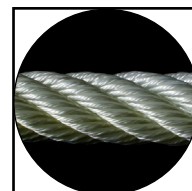
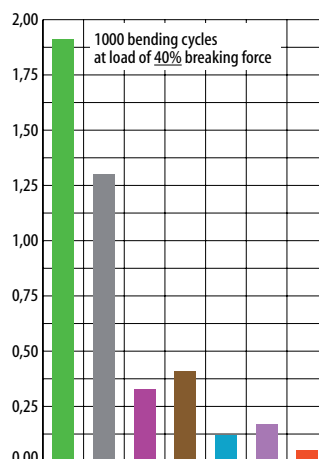
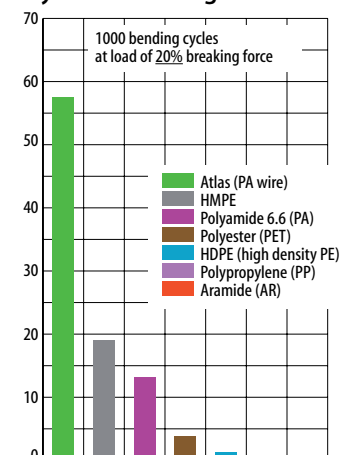
Simple conclusion



is perfect on mooring winches

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Textile Ropes Compared Dynamic Bending



brand-new



after first use

SELDIS

polysteen