

# Crane manufacturing

The know-how of FibreMax with respect to cable constructions, characteristics, cable behaviour, end fittings, dimensions and tolerances as well as our experience is used to produce Precision Tension Members that are used as pendants or guy wires on (large) cranes.

When using lightweight Precision Tension Members for pendants a significant weight reduction over steel wire of more than 80% can be achieved which results in following:

- Added capacity.
- Longer booms.
- Downsizing of construction details.
- Easier to handle.
- Easier to install.
- Easier to transport.
- Faster operations.



FibreMax can provide crane manufacturing and rigging companies with tension members that suit their most demanding requests. FibreMax lightweight Precision Tension Members have the following characteristics:

- 80 to 90% lower weight than steel wire \*).
- 10% lower diameters than steel wire \*).
- No construction stretch.
- Constant stiffness.
- Excellent fatigue life.
- Length tolerance 0,1 mm per meter.
- Torque balanced.
- Corrosion free.
- Ease of handling.
- Maintenance free.

(\* ) When compared at the same break load).

Precision Tension Members produced by FibreMax are available in any break load, diameter and length. With the highly automated innovative endless winding process it is possible to produce tension members that are fully customized and adapted to customer's requirements.

These pendants are in accordance with the requirements for crane manufacturing as specified in standards EN 13000, FEM 5.004 and ISO 4308-2.

## End terminations

FibreMax Precision Tension Members are produced with the end terminations directly incorporated during the winding process. The end terminations are custom-designed and available in any size assuring the smallest possible dimensions and lowest weight.



**FIBRE Max**  
All fibres used to the Max...

Tjeukemeer 5  
8502 TH Joure  
T: +31(0)513 681 008  
F: +31(0)513 633 138  
I: [www.fibremax.nl](http://www.fibremax.nl)  
@: [info@fibremax.nl](mailto:info@fibremax.nl)