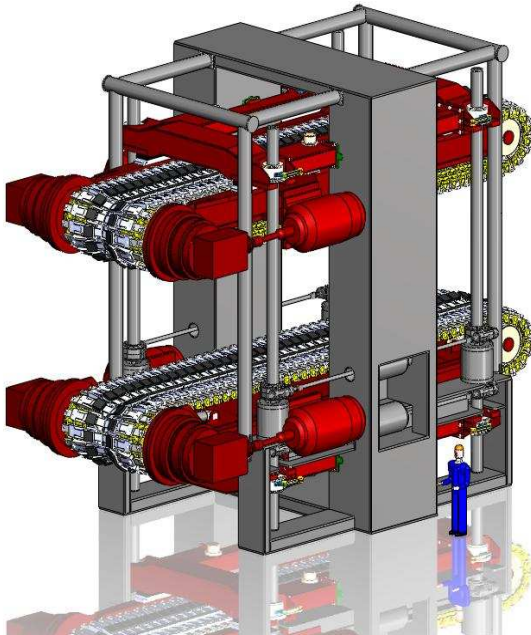


500 tons pipe tensioner



Application

Vertical two tracks tensioner to clamp pipes on board of an S-lay type pipe lay vessel.
The 500 tons tensioner can handle concrete coated pipes as well as plain steel pipes.

Dimensions

length:	12000 mm
width:	6500 mm
height:	8850 mm
weight	500 metric ton
min. pipe diameter:	6"
max. pipe diameter:	68"
max. opening (h x w):	3600x3000 mm
BoV:	3325 mm

System Components

The tensioner consists of two track body's to clamp the pipe
The track bodies exist mainly of standard track chains using rollers to ensure the clamping force on the pipe will be equally divided. The rollers are placed in such way that the rolling surface lies in the centreline of the track chains to achieve a smooth working cycle.

Technical specifications

General

Max. dynamic tension:	500 t
Max. squeeze force:	2500 t
Pipe speed (pay in)	20 m/min
Pipe speed (pay out)	20 m/min

Operating conditions

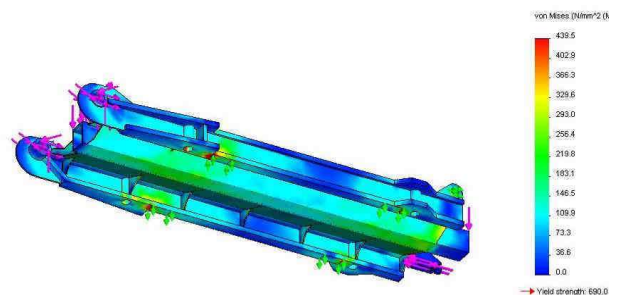
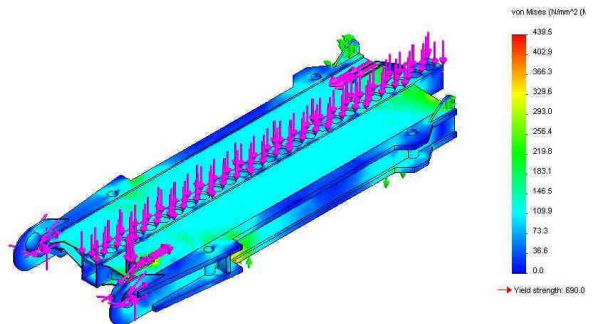
Environment:	Tropical/offshore
Temperature:	-20°C to 45 °C
Humidity:	up to 100%

Power supply

Hydraulic:	300 bar
Electric:	440 V
Power consumption:	2400 kW

Classification

Lloyds Register of Shipping
Code for Lifting Appliances in a Marine Environment



Features

The 500 tons tensioner is designed to be the strongest pipe tensioner in the world. The tensioner is designed in such way that the squeeze length is as long as possible to reduce surface pressure on the pipe. The tensioner can be used for concrete coated pipe as well as plain steel pipe with an outside diameter between 68" and 6"