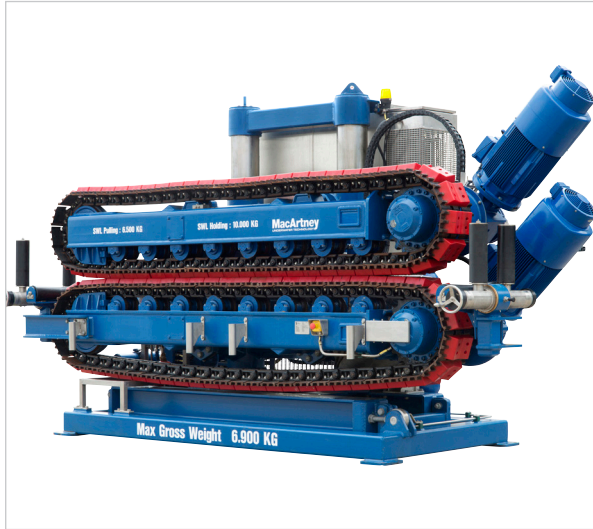


# CEMAC Offshore Track Tensioners

## Proven technology for safe cable & pipe handling



The track tensioners are also compliant with third-party equipment, which enables integration into existing setups in case of an urgent need for replacement units.

### Features and benefits

- Compact and modular electrical design
- Standardised and exchangeable components
- Designed for easy system integration
- Optimised efficiency and decreased deck footprint
- Integrated control system
- Advanced monitoring system
- Electrically driven belts
- Proven track record
- Low noise operation
- Fully integrated with vessel control system

### Options

- Top-loaded versions
- Wide-opening versions
- Remote diagnostics tool
- Service and maintenance program
- Spare parts package
- Remote control
- Wireless remote control
- Pinch status
- Complete SCADA system
- Tarpaulin cover
- Rental available
- Certification according to DNVGL-ST-0378 (2.22), DNVGL-E2.7-3, and ILO 152

### Safe and Economic cable and pipe handling

The unique electrically driven technology enables the CEMAC offshore track tensioners to safely control the installation and recovery of offshore power cables, telecom cables and pipes. The technology also ensures a robust and energy-efficient cable handling system.

### A modular solution for every setup

The electro-hydraulic CEMAC offshore track tensioners can be delivered through standardised configuration and fully customisable configuration. It can be designed in 2-, 3-, and 4-track versions with both vertical and horizontal cable input. The compact and modular system unlocks great potential in pulling force, even with limited deck space available.

Regardless of project requirements, the CEMAC track tensioners can be designed to improve safe cable handling, while constantly monitoring the conditions around the cable, available through built-in SCADA functions.

### Complete your vessel layout

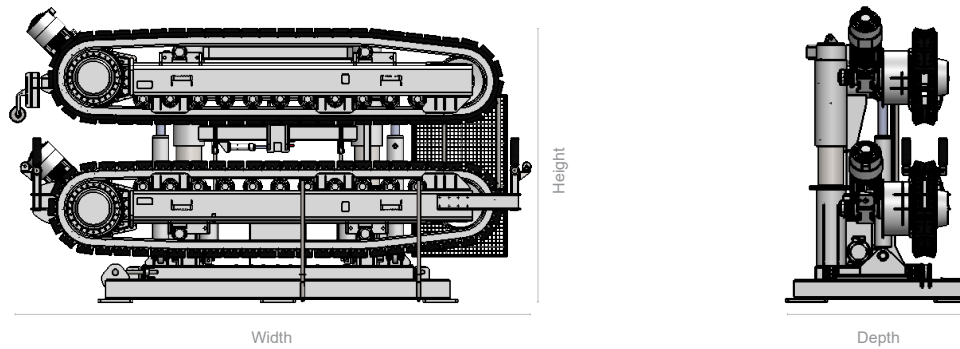
MacArtney Offshore Wind Solutions specialises in the design and manufacturing of offshore cable handling systems for the renewable energy industry. The CEMAC electro-hydraulic track tensioners combined with MacArtney's remaining CEMAC products such as cable carousels, linear cable engines and power quadrants are part of the solution of completing your full vessel setup.

### Minimise downtime

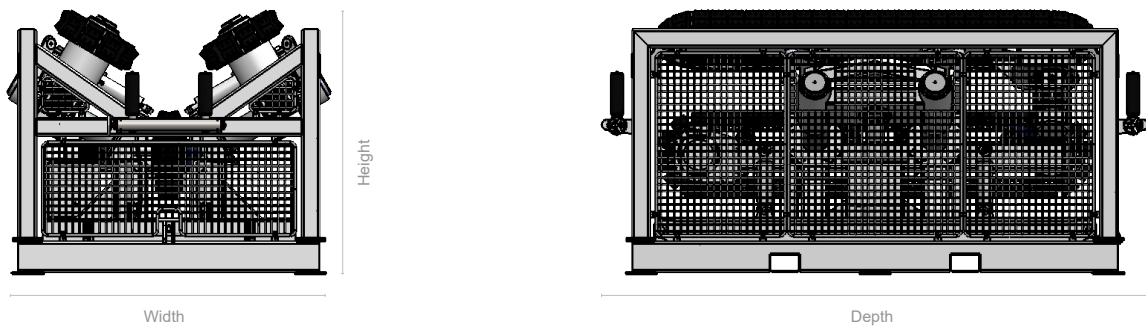
The CEMAC track tensioners are available with a remote diagnostics tool enabling MacArtney technicians to remotely monitor and supervise in real-time. By eliminating unnecessary offshore engineering support, this unique feature generates substantial cost-savings in minimised downtime to the respective project.



#### CEMAC Offshore track tensioner



#### CEMAC Offshore track tensioner V-type



### Specifications

Model	50/100 kN	100/150 kN	140/200
Width (mm)	1,700 (1,760)	2,400	2,400
Height (mm)	2,800	3,800	3,800
Length (mm)	4,000	5,800	6,600
Lenght with CE protection (mm)	6,100	TBD	TBD
Speed (m/hour)	0-1,200	0-1,200	0-1,200
High Speed (option) reduced pull (m/hour)	0-2,400	-	-
Max. pull force (kN)	50	100	140
Max. hold back force (kN)	100	150	200
Max. pinch force (kN)	250	390	500
Max. cable pressure (kN/m)	132	143	143
Track interface (mm)	1,900	2,700	3,500
Coefficient of friction	0.2	0.2	0.2
Cable capacity (mm ø)	40 - 350	80 - 350	80 - 350
Weight (kg)	6,800 (7,300 CE)	20,000	25,000
Motor size - Tracks (2 pcs. kW)	30	36	36
Motor size - HPU (2 pcs. kW)	3	5	9
Power supply (VAC - Hz)	3 x 440 - 50	3 x 440 - 50	3 x 690 - 60