



Royal IHC

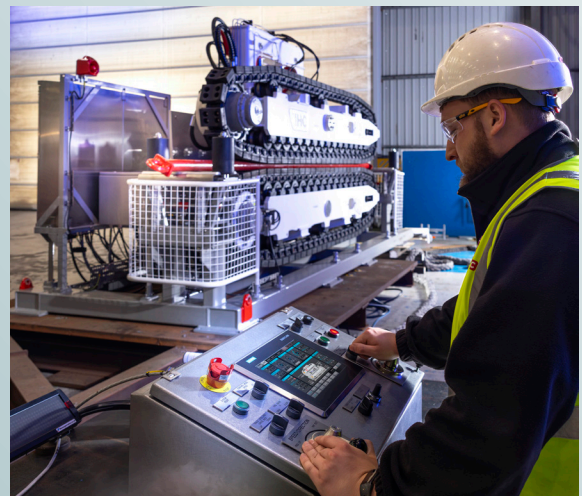
Rental 15 Te hydraulic tensioners

Our latest 15-tonne hydraulic tracked tensioners are designed to be future-ready for demanding cable handling campaigns. These rental tensioners have full breakback functionality, use bio-degradable oil and include a streamlined PLC control programme to simplify set up.

The robust design, developed to the requirements of a leading cable installation specialist, is field-proven across the most hazardous offshore environments for the laying and retrieval of subsea cables and umbilicals.

Key features

- ✔ Simple integration with any vessel type
- ✔ Bi-directional capability for flexible deck positioning
- ✔ Integrated HPU for rapid mobilisation
- ✔ New Siemens PLC control system simplifies setup
- ✔ Road transportable and available for worldwide deployment
- ✔ Enhanced breakback and tilt functionality for quadrant and large terminations passage
- ✔ Uses bio-degradable oil



Synchronisation options

Available on request:

- Parallel lay operation with two tensioners from single desk for bundled cables
- Series lay operation with two tensioners from a single desk for higher line tensions
- Remote speed set point from another piece of cable equipment or the control room

Designed for precision
control, rapid mobilisation
and simple integration

Specifications

15-tonne tensioner

Dimensions	
Length	5,900 mm
Width	2,200 mm (2,900 mm when tilted in breakback position)
Height	2,800 mm
Line tension	
Maximum outbound	15 t
Maximum inbound	15 t
Maximum linear speed	20 m/min (reduced line tension)
Clamping force	14 t/m
Contact length	3.2 m
Track pad	160° 'v' angle, natural rubber, 70 shore A
Track drive	Bent axis motor with planetary reduction gearbox and integrated brake
Track pivot	Pinned upper track with hydraulically damped pivot
Back frame	Hydraulically actuated breakback frame
Track clamping	Fixed lower track Upper track actuated by two accumulator-fed cylinders
Cable	
Diameter capacity	Ø50 mm - Ø400 mm
Guides	Hydraulically actuated inlet and outlet guides
Guides opening	40 mm - 400 mm
HPU	Self-contained onboard unit
Oil (bio-degradable)	Panolin HLP synthetic 46
Power supply	440 V, 3 phase, 60 Hz
Monitoring	
Load	Single loadcell output with 5% accuracy
Speed	Via sprocket-driven distance encoder
Data-logging / output	Speed, distance and tension stored locally and can be output to bridge
Control	Control panel with stand and 15 m cable
Control modes	Speed, render and constant tension

Thoroughly tested and maintained

Our rental equipment is regularly tested, serviced and maintained to the highest standards by our in-house experts to keep them in top working order after every project.

Our tracked tensioners are provided with the following documentation, as applicable:

- ✓ O&M manual
- ✓ Hydraulic and electrical schematics
- ✓ General arrangement drawing
- ✓ Lift rigging certification
- ✓ Hose test certification
- ✓ Pre-hire test reports
- ✓ FAT documentation

Support from our engineers

Our experienced engineers and operators can support you with:

- Mobilisation and operation of the equipment
- Equipment modifications for your project
- Advice on deck arrangements
- On-site installations, commissioning, testing and operating

Our multi-disciplined technicians are ready to mobilise 24/7, whether with remote diagnostics or delivering on-site assistance. Royal IHC has a global network with locations on all continents, so support is always close by, wherever you operate.

Build a rental package

Access our full range of rental assets, including:

- Hydraulic winches
- Open and closed loop hydraulic power units
- Tracked cable tensioners (including breakback)
- Linear cable engines
- Cable drum engines
- Powered quadrants

Speak with our knowledgeable rentals team to find the best custom solution for your next project.

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