

10T high capacity tensioner

More grip force, larger product range

Innovo's robust 10T high capacity hydraulic tensioner is a simple to operate, reliable system which can be rapidly mobilised for operations around the world.

Sectors

- Renewables
- Communications
- Offshore energy.

Applications

To maintain tension during:

- Pipe and cable handling
- Spooling operations.

Features

- Two vertically mounted track carriages with polyurethane 'V' shaped pads
- One track is fixed to the sub frame while the other track slides on two steel shafts moved by grip cylinders and pivots to accommodate small product diameter variations
- Mounted to base frame via four load cells

- Hydraulic Power Unit (HPU) supplied with a closed loop main pump system for the drive and an auxiliary open loop system for the grip function. Auxiliary boost pump fitted for extra cooling capacity for use with a tensioner capable of low-tension render mode operation.

Benefits

- Tracks are orientated in a vertical plane to allow product to be placed in from the side or pulled through with a leader line
- Reduced deck space
- Easily transportable
- Can take greater vertical loads from product sag / bend
- Product diameter of up to 600mm
- Maximum total grip force of 84T
- Can be used in conjunction with Innovo's powered hang-off quadrant frame.



INN-10HT-HC 10T high capacity tensioner

Specifications

Tensioner INN-10HT-HC	
Dimensions (approx.)	4178 x 1600 x 2549mm
Weight (approx.)	6.8T
Maximum continuous line pull	10T
Number of tracks	2
Track contact length	1.8m
Max total grip force	84T (42T per track)
Maximum designed speed	1450m/hour
Height - floor to centre of tracks	1327mm
Track opening	400-600mm [†]
Product size range	40-600mm diameter^{††}
Maximum operating pressure	250bar

[†] Dependent on suitable track pads.

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HPU	
Dimensions (approx.)	2220 x 1310 x 2225mm
Weight (approx.)	2.5T
Prime mover	75kW; 3 phase; 415/440V; 50/60Hz
Full load current	129 Amps
Main pump theoretical displacement	100cc/rev
Max flow at	1450rpm (50Hz) at 210bar from main transmission pump 142 l/min
	1760rpm (60Hz) at 210bar from main transmission pump 170 l/min
	1450rpm (50Hz) at 210bar from grip pump 15.95 l/min
	1450rpm (60Hz) at 210bar from grip pump 19.14 l/min
Max operating pressure	250bar

Powered hang-off quadrant frame



The 10T high capacity tensioner can be mounted onto Innovo's powered quadrant frame.

Suspended by a suitable crane, this simple combination is used for product to be pulled out of or laid into baskets prior to lifting onto the vessel.

This arrangement is supplied with a remote control unit, HPU, hoses to reach the quadrant and tensioner whilst suspended and an optional control cabin with Heating, Ventilation, and Air Conditioning (HVAC).

For more information please visit innovoteam.com or email info@innovoteam.com



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