

Bow cable engine

The Smartquadrant – E bow cable engine has been designed to assist in loading various cable types from fibre optic to medium sized power cables. The complete system consists of two quadrants and one central electrically-driven hydraulic power unit with a wired remote control. As the system is electrically-driven, it can be used both for loading cables in harbours and for transpooling cables on-board cable lay vessels or freighters.

Specifications

Overall dimensions

Length	1.65m (approx. value) exclusive quadrants
Width	1.25m (approx. value) exclusive quadrants
Height	2.0m (approx. value) exclusive quadrants
90° side quadrants	Suitable for up to 4.5m bending radius
Weight in air	2.95t (approx. value) incl. quadrants
Working load limit	5.50t (approx. value) solely related to cable weight
Power supply	380V, 50 Hz, 32 A or 440V, 60 Hz, 32 A
Wheel pairs	Four wheels with wheel 650 mm/each
Wheel drive	Four hydraulic motors with cooled electric driven HPU
Working pressure	200 bar

Max. pulling force	20 kN
Cable opening	Min 25 mm/ Max. 250 mm
Speed control	0 – 50 m/min (0 – 3,000 m/h) Hydraulic drive with continuous variable speed and regulation in both directions
Load control	Load cell with 0 – 10,000 kg capacity



Technical specifications 2t Bow Cable Engine

Overall dimensions:
 Width: 2413 mm (exposed, value exclusive quaterns)
 Height: 1250 mm (exposed, value exclusive quaterns)
 Depth: 1540 mm (exposed, value exclusive quaterns)
Weight in air:
 2000 kg (exposed, value exclusive quaterns)
 1800 kg (exposed, value exclusive quaterns)
Weight in water:
 1200 kg (exposed, value exclusive quaterns)
 1000 kg (exposed, value exclusive quaterns)
Power of Supply:
 300 V, 50 Hz, 3 A or 400V, 60 Hz, 3 A
Power of Supply:
 300 V, 50 Hz, 3 A or 400V, 60 Hz, 3 A
Wheel of Drive:
 4x hydraulic motors with cooled electric driven (BPU)
Max. Pulling Force:
 200 kN
Max. Pulling Force:
 200 kN
Cable quantity:
 250 mm
Speed control:
 0 - 50 m/min (0 - 3000 m/h)
 0 - 50 m/min (0 - 3000 m/h)
 0 - 50 m/min (0 - 3000 m/h)
Load capacity:
 Load off with 0 - 10.000 kg capacity

