



CABLE LOADING SYSTEM

BOW CABLE ENGINE (10 TON)

CCC (Underwater Engineering) SAL currently owns and operates two hydraulic 10T Bow Cable Engines. The Smartquadrant - E bow cable engine has been designed to assist in loading of numerous cable types from fibre optic cables to medium sized power cables. The complete system consists out of two quadrants and one central electrically driven hydraulic power unit with a wired remote control. As the system is electrically driven, whereby the system can be used both for loading of cables alongside jetty's and for transpooling of cables onboard cable lay vessels or barges.



HIGHLIGHTS

- ▲ Year of Build: 2023
- ▲ Rated Tension: 10 Tons.
- ▲ Product Capacity: 25mm / max. 350mm.
- ▲ Speed Control: 0 - 50m/min (0 - 3,000m/h).
- ▲ Working Load Limits: 15 Tons
- ▲ MBR: 5m
- ▲ Track Direction/Speed: Two directions with variable speeds
- ▲ Wheel Pairs: 2 x wheel pairs (4 wheels in total).
- ▲ Lifting Points: Compliant with EN ISO 10855

SPECIFICATIONS

SYSTEM DIMENSIONS AND WEIGHTS

Length:	1.70 m (excluding quadrants)
Width:	1.41 m (excluding quadrants)
Height:	2.15 m (excluding quadrants)
Weight :	5.5 Tons (inclusive of quadrants)

SIDE QUADRANTS

90° Side Quadrants:	Suitable for upto 5m bending radius
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GENERAL SPECIFICATIONS

Working Load Limit:	15 Tons (soely related to cable weight)
Product Capacity:	25mm to 350mm
Linear Control:	0-50 m/min (0 -3,000m/h)
Max. Pulling Force:	20kN
Wheel Pairs:	2 x pairs (4 wheels 650mm/each)
Wheel Drive:	4 x hydraulic motors with cooled electric driven HPU
Working Pressure:	200 bar
Direction Control:	2 (variable speeds)
Power Supply:	380V, 50Hz, 32A or 440V, 60Hz, 32A

SYSTEM COMPOSITION

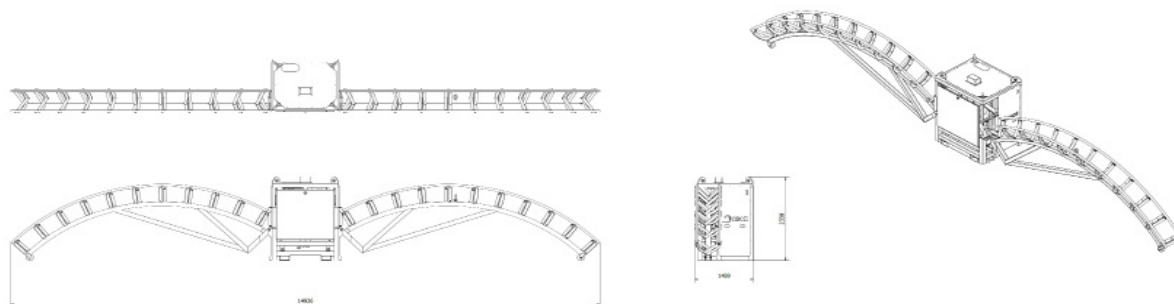
The 10Ton Bow Cable Engines comes with four lifting points and compliant with EN ISO 10855. Each unit consists of a built in electro-hydraulic HPU and 2-wheel pair cable engine c/w below system items:

- 1 Set cable quadrants with radius 5m
- 1 Set cable quadrants with radius 3m
- 1 Control cable 40m (length)
- 1 Power cable 440V (c/w CEE connector, 40m length)
- 1 Control panel enclosure (IP)
- 1 Set lifting gear

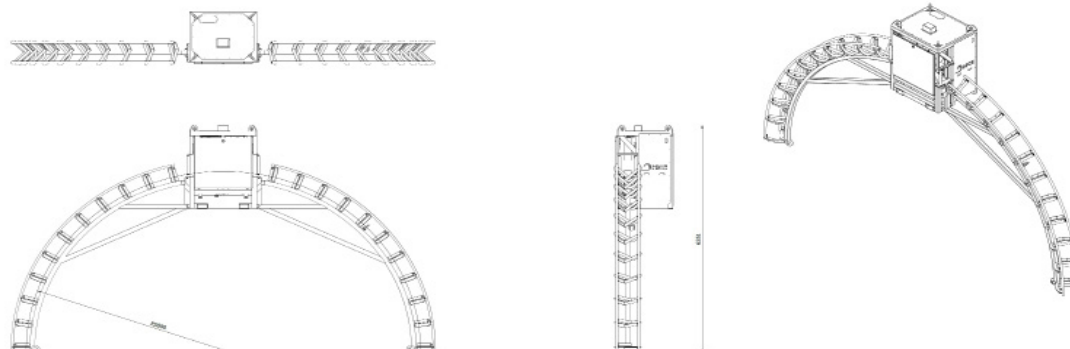


LAYOUT

Resting Position



In Crane Position



Note: The technical specifications presented within this document are subject to change without prior notification. The information presented within this document are believed to be correct, but no guarantees of accuracy can be given.