

LCE 50kN

Linear cable engines WCSKN50-01, WCSKN50-02



Description

The *LCE 50kN* linear cable engine has been designed for various types of power cable and umbilicals upto 250 millimeter outer diameter. The system consists of a core chassis containing electrically driven, hydraulic power units and horizontal wheel pairs. The *LCE 50kN* is suitable for both offshore cable installation as well as for cable transfers

Overall dimensions	Length 4.60 meter Width 1.60 meter Height 1.30 meter
Weight in air	3.5 metric ton
Power supply	440 V, 60 Hz, 32 A, 75kW
Wheel pairs	5 wheel pairs, diameter each wheel 620 millimeter
Wheel drive	10 x hydraulic motors with individual gear boxes and hydraulic brakes
Working pressure	280 bar
Maximum pulling force	50 kN, can be increased to 70 kN
Cable opening	Minimum 0 millimeter Maximum 300 millimeter
Speed control	0 – 50 meter per minute (0 - 3,000 meter per hour) Hydraulic drive with continuous variable speed and regulation in both directions
Operating modes	Manual via joystick, constant speed or constant tension. Wheel pairs can be opened, closed, started and stopped either simultaneously or separately. Operation via remote control console, local and remote emergency stop.
Tension measurement	Permanently installed frame-mounted load-cell PAT-Krüger with 0 – 10,000 kG capacity
Length measurement	Temporarily installed frame-mounted wheel Hohner Encoder, HWI103S-2021R073-3600
Design certificate	DNV-GL (unlimited offshore use)