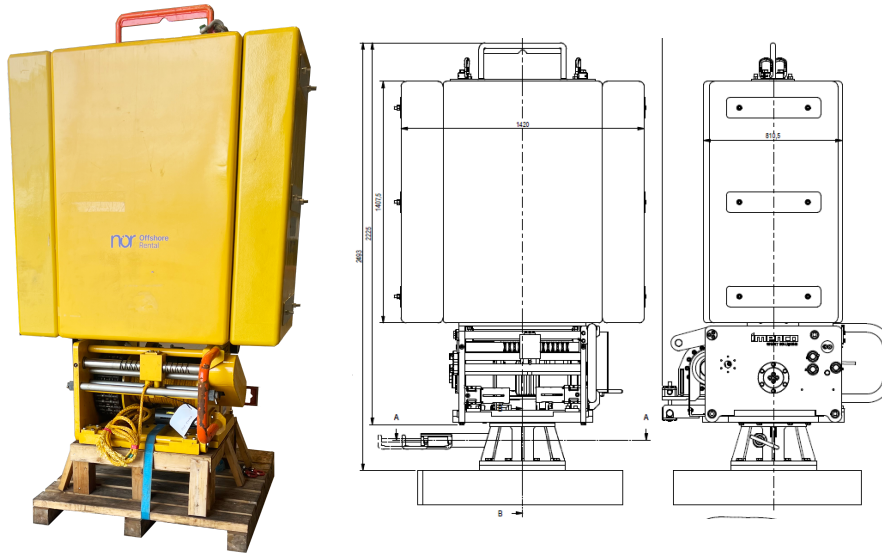


10Te Subsea Winch



The Imenco 10Te Subsea Winch is intended for offshore subsea pulling operations by use of ROV. The design is based on the 15Te design. It is designed to withstand rough operations in any offshore environment. The winch incorporates a modified “API 17 D class 4 - stab” fastened to the bottom plate for docking of the winch and locking onto the receptacle. The product is robust, compact, and easily maintained. The winch drive is supplied by an orbital hydraulic motor & drive chain system.

The motor is mechanically fastened by bolts and nuts to a mounting plate located internally in the winch. The winch is operated locally and is powered hydraulically from an external HPU supplied by ROV via a quick acting coupling live hot stab. The drum can be rotated 360 degrees for a 10Te line pull in a horizontal plane. A Dyneema SK78 rope runs through a guiding block for controlled spooling onto the winch drum. A certain +/- angle in vertical. Horizontal angle deviation is max +/- 2 deg.

Key Features

- Reliable compact and modular design using standard and exchangeable components
- Long service and maintenance intervals
- Low cost
- All structural components are painted to Norsok M501 System 7B: RAL 1004 Yellow
- Designed for ROV operations
- It is equipped with a modified API 17 D class 4 hub to suit a specifically designed interface with vertical locking. This interface is prepared for bolting onto designed structures
- Buoyancy plates can be easily removed.

Specifications

Overall Dimensions	830,5 x 925 x 776mm
Dry weight with all Buoyancy	1750kg
Dry weight with main Buoyancy	1465kg
Weight in water with main Buoyancy only	294kg
Weight in water with main Buoyancy + 1 side plate	193kg
Weight in water with main Buoyancy +2 side plates	28kg
Hydraulic max pressure	165 bar (10T)
Hydraulic max flow	200 l/min
Hydraulic Connection	3-Port 43mm Hot stab
Rope length	40m
Rope diameter	14mm
Drum width	414,7mm
Drum Core Diameter	150mm
Max layers	3 layers
Maximum drum speed	Speed will depend on the oil flow available from the ROV HPU: ~0,24 m/s with drum rotational frequency of 0,51s-1

Pulling table

Forced read out	Pressure (bar)
2 Te	30
4 Te	60
6 Te	95
8 Te	120
10 Te	165