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FORUM SUBSEA TECHNOLOGIES

TMS Type 4a TETHER MANAGEMENT SYSTEM

Work class ROV TMS

Overview

The Type 4a Tether Management System (TMS) has been specially developed to provide an ultra-compact and weight-efficient solution. Although it is smaller and lighter than any other current production TMS, the frame has a significant lift capacity, capable of handling a 8000kg ROV package with 3g rating. It is suitable for all work-class ROVs.

The TMS stores and deploys the ROV package tether cable so that the ROV motion is decoupled from motions of the main umbilical to the surface vessel. It allows the ROV to work at a greater operating radius from the deployment point.

The docking box used on the underside of the TMS has a powerful two stage latching action that structurally locks the ROV to the TMS for deployment and recovery through the sea surface.

The top lifting cone can be a Forum Standard design or custom specified bullet, to suit an existing A-Frame.

The Type 4a TMS has a gentle tether route which will maximize the operating life of any matched tether.

Features

- 4000m Depth Rating
- Variable tether speed
- Gross ROV Weight 8000kg
- Tether line pull 450kgf (max)
- Up to 750m Tether @ dia 27mm
- Gentle Tether Handling
- Tether load sensing
- Auto- Render overload protection
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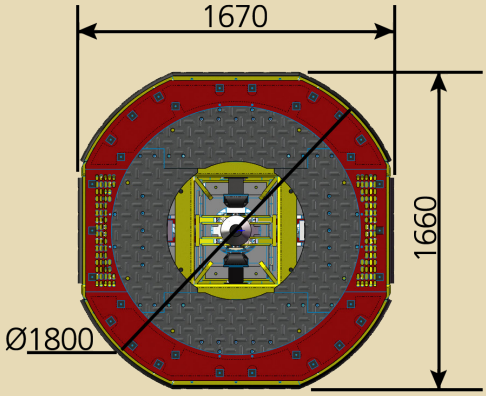
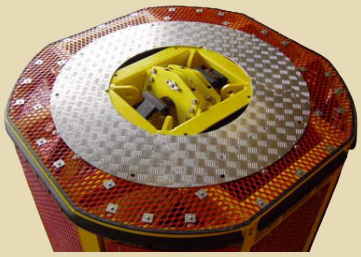
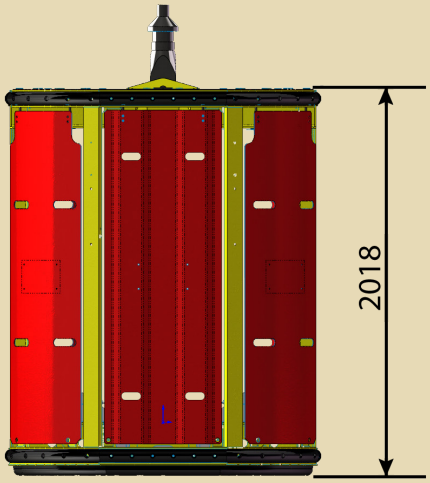
SPECIFICATION

Tether diameter:	25-39mm
Capacity (dia 27mm tether):	750m (638kg in Air)
Capacity (dia 35mm tether):	440m (484kg in Air)
Maximum line pull (inner layer):	450kgf (adjustable)
Depth Rating:	4000m
Haul in speed (average):	30 m/min
Pay out Speed	30 m/min
Weight in air (excluding tether):	1920kg
Maximum load rating of umbilical connection:	11000kg (3g rating-proof load 33000kg)
Maximum load rating of ROV docking box:	8000kg (3g rating-proof load 24000kg)
Diameter:	1800mm (max)
Narrowest Width:	1660mm
Height:	2018mm
Grooved drum shell:	standard





Plan profile is dia 1800mm & 1660mm and 1670mm across flats



Shown with guards removed- but most regular maintenance can be performed with guards on