



## TRITON XLX - 37 4,000 METRE HEAVY DUTY WORK CLASS ROV

The XLX is the ultimate in hydraulic heavy-duty dual construction and survey class remotely operated vehicles (ROVs).

This all-new design, benefits from over thirty years of underwater vehicle build programmes and incorporates a number of enhanced components from the world's most respected underwater vehicle builders.

Designed and built to perform the most exacting operations in the harshest of environments for long periods, the XLX provides the necessary attributes to get the job done.

With an impressive 1,100kgf thrust performance, the XLX is in a class of its own.

The XLX is particularly suited for heavy-duty construction support, where remote intervention tasks are required such as positioning of subsea structures, pipeline/umbilical connection, pipeline repair, component change-out, valve operation, fluid injection, debris removal, plus many more. To enhance the capability of the XLX, it may be fitted with purpose built tooling skids weighing up to 3000kg (3 Te.) in air. The vehicle may be fitted with a range of acoustic sensors to perform precision surveys and conduct salvage operations.

Deep-water operations are aided by the use of a complementary top hat tether management system (TMS), designed to maximise the performance of the vehicle by eliminating the effects of umbilical drag and vessel motion.

Built in diagnostics aids fault finding.

# TECHNICAL SPECIFICATIONS

## DECK FOOTPRINT

	Dimensions (m)	Weight (kg)
ROV Control Cabin (A60 DNV 2.7-1)	6.06 x 2.44 x 2.74	112,000
ROV Workshop Cabin	6.06 x 2.44 x 2.59	12,000
ROV	3.06 x 1.86 x 2.12	4,870
TMS	1.98 (dia) x 2.18	3,000
ROV Deck HPU	1.44 x 1.00 x 1.15	2,000
Winch HPU	2.60 x 1.90 x 2.94	8,000
Winch	3.50 x 3.95 x 3.70	50,000
ROV A Frame	9.02 x 3.67 x 3.81	23,000

## VEHICLE EQUIPMENT FIT AS STANDARD

Manipulator	1 x Schilling T4 with Wrist Camera
Grabber	1 x PSSI T60
Camera Pan and Tilt	3 x Trittech PT3636-C
Colour Cameras	2 x OE14-366 Zoom 1 x OE14-106 1 x OE14-110
Low Light Camera	1 x Schilling T4 Wrist
Sonar	1 x Trittech Super Seaking DFS
Emergency Flasher	1 x Novatech Strobe
Emergency RF Beacon	1 x Novatech Beacon

## TETHER MANAGEMENT SYSTEM

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	4,000 metres sea water
Tether Capacity	660 m of 35 mm tether

## A-FRAME ASSEMBLY

Type	Hydraulically powered telescopic complete with umbilical sheave, damped snubber and rotating frame
Safe Working Load	16,000 kg
Design Factor	3 g
Deployed Reach	5,064 mm

## UMBILICAL WINCH

Type	Hydraulically powered from external power unit
Safe Working Load	21,000 kg on bottom layer
Design Factor	3 g
Umbilical Storage Cap.	4,300 m of 40.5 mm diameter umbilical
Line Speed	Variable up to 65 metres per minute
Braking	independent emergency system
Control	Local and remote from pilot control station

## REMOTELY OPERATED VEHICLE

Operating Conditions	Up to and including Sea State 6 (3g)
Depth Rating	4,000 metres sea water
Hydraulic Power	112 kW 150 hp
Length	3,600 mm
Width	1,860 mm
Height	2,120 mm
In Air Weight	4,870 kg
In Seawater Weight	Neutral
Fwd/Aft Bollard Pull	1,100 kgf
Lateral Bollard Pull	1,100 kgf
Vertical Bollard Pull	1,100 kgf
Fwd/Aft Surface Speed	3+ knots
Lateral Surface Speed	3+ knots
Vertical Speed	3+ knots
Payload	250 kg with all std equip fitted
Through Frame Lift	3,000 kg @ 3g at work skid attachment points
Main Pump	240 bar @ 348 lpm
IHPU Pump	220 bar @ 70 lpm
Propulsion (hydraulic thrusters)	4 x 380 mm horizontal 4 x 300 mm vertical
Thruster Control Manifold	1 x intelligent, 16 station control with 4 x high flow for tooling
Main Manifold	1 x intelligent, 16 station bi-directional 13 proportional control
IHPU Manifold	12 station proportional surface controlled
Auto Functions	Heading, Depth, Altitude, Pitch and Roll Auto Positioning (ROV DP) Utilising RDI 1,200 Doppler Log
Heading Control	Trittech ICG and IFG Sensors
Depth Control	Digiquartz Depth Sensor
Altitude Control	RDI 1,200 Doppler Log
Telemetry	8 x RS232 Data Channels + 8 x RS485 8 x Video Channels 1 x HD Video Channel 1 GB Ethernet Mux via Single Mode Fibre
Lighting	Up to 12 x 250 W Lamps
Equipment Interface	Survey JB up to 32 Channels Reson 8,125 Interface Sidescan Interface FOG Interface

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