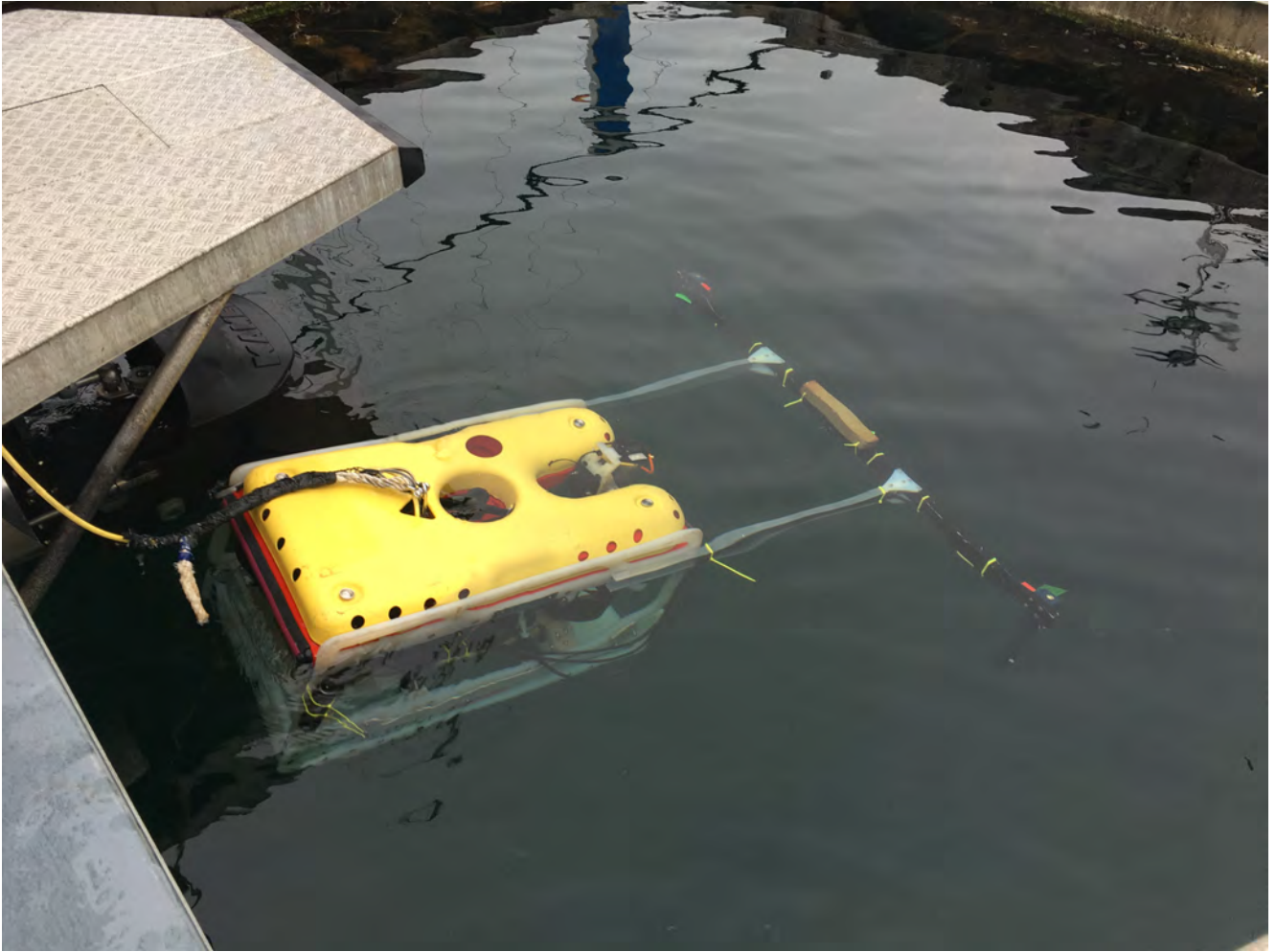


Seaeye Falcon Inspection Class ROV



Features

- 300 metres Depth rating
- Propulsion 4 x vectored horizontal and 1 x vertical
- 14 kg payload
- 50 kgf thrust
- Cable Tracker Optional
-



Chassis

The extremely rugged polypropylene and stainless steel chassis is totally maintenance free, non corroding and self-supporting in seawater.

Propulsion

The Falcon MCT01 thrusters are magnetically coupled and run cool without oil. Having no moving shaft seals they are extremely low maintenance, reliable and ideal for use in sensitive area such as fisheries and on reefs.

The Seeye Falcon is a compact remotely operated vehicle suitable for a variety of observation and inspection tasks. It is ideally suited to rig support eyeball operations where it sets the highest standards including an impressive power to weight ratio.

Housed in a 1,000 x 500 x 600 millimetre frame, the Falcon is equipped with electrically powered vectored thrusters, a tilt able high resolution colour video camera and 75 watt LED floodlights.

The Falcon is equipped with a Innovatum Smartrak 9, allowing a full cable and pipe line survey to be carried out to the same standard as using a work class ROV. The Falcons small footprint allows the vehicle to be operated from small vessel reducing the operation cost significantly.



Seaeye Falcon

Technical Specifications

Remotely Operated Vehicle

Manufacturer	Saab Seaeye Ltd
Depth rating	300 msw
Power Requirements	Single phase 100-270 VAC at 2.8 kW
Length	1000 mm
Height	500 mm
Width	600 mm
Launch weight	55 kg
Forward speed	>3 knots
Thrust forward	50 kgf
Thrust lateral	28 kgf
Thrust vertical	13 kgf
Payload	14 kg
Propulsion	Five MCT01 Brushless DC thrusters 4 x vectored horizontal and 1 x vertical
Auto Functions	Depth and Heading
Heading Control	1 degrees
Depth Control	0.5% FSD
Lighting	2 x LED Lamps

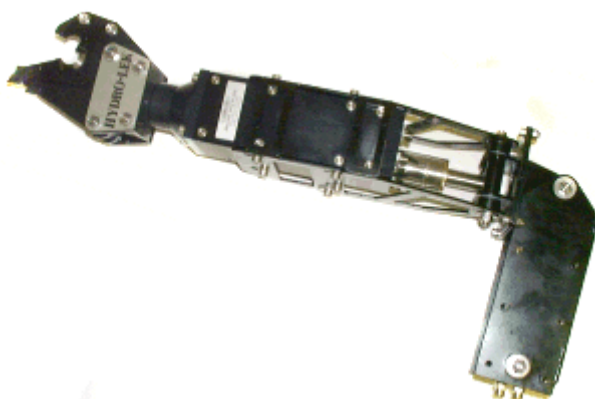
Vehicle Equipment Fit

Camera System	1 x Standard Seaeye high res camera 1 x HD 1080P Video Camera
Sonar	1 x Immaginex (Optional)
Cable and Pipe tracker	1 x Innovatum Smartrak 9 (optional)
MB4 Manipulator	

Full Survey Spread including the ability to Live Stream to the clients office.

HLK-MB4

4-Function Manipulator

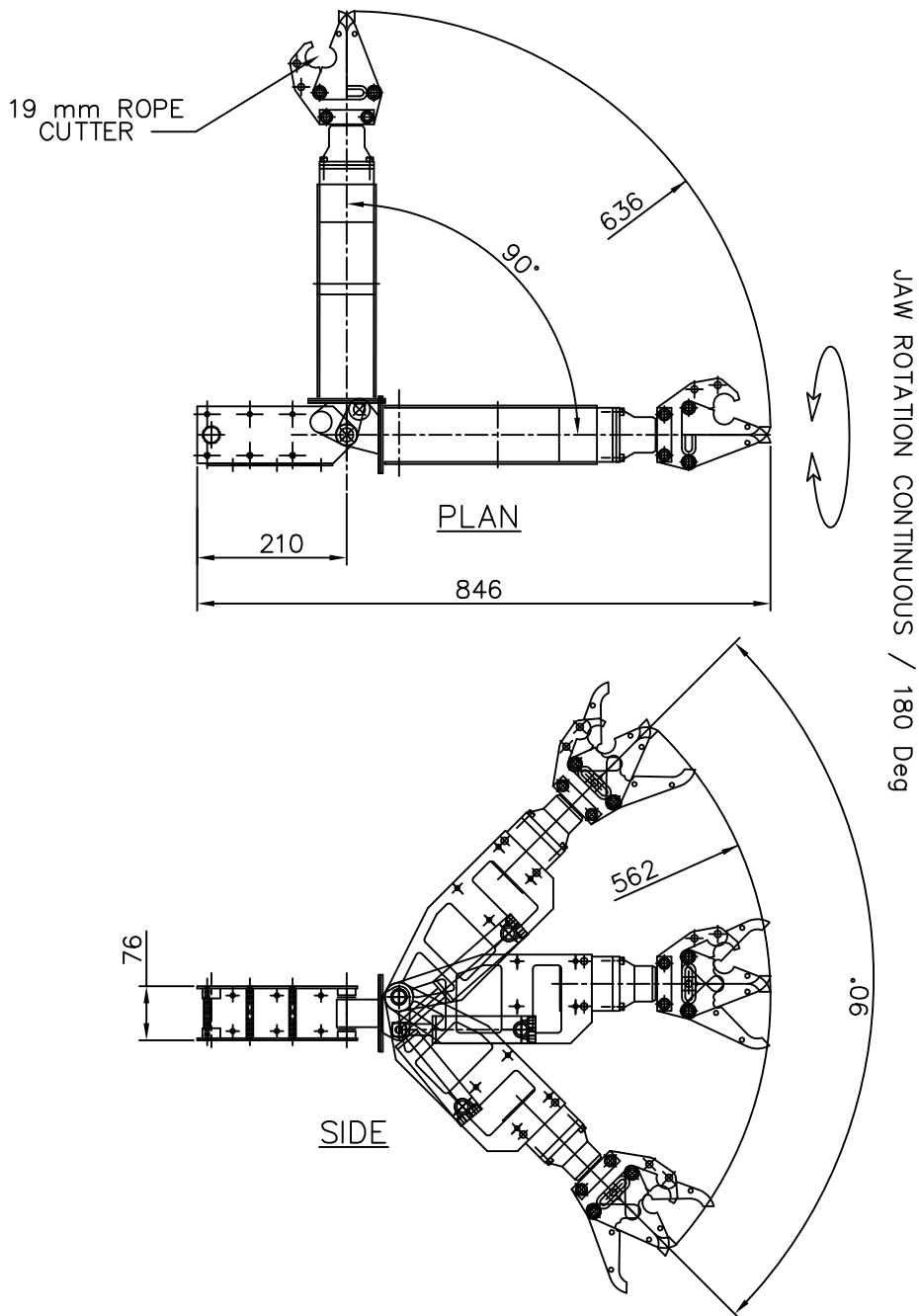


Features

- 4 degrees of freedom manipulator
- Excellent dexterity and articulation
- Extremely compact – can be stowed across front of ROV
- Lift of 40Kg at full reach
- Continuous jaw rotate
- Incorporates 19mm soft rope cutter

Specification:

Dimensions	Length of arm	630mm	
	Length of slew plate	210mm	
	Height	125mm	
	Width	100mm	
Capacities	Jaw Rotate	Continuous or 180°	
	Jaw Torque at 140 bar (across ports)	40Nm	15Nm
	Arm Lift capacity at 140 BAR	40Kg	
Weight	Weight in air	13.3Kg	10.3Kg
	Weight in water	11Kg	8.3Kg
Construction	316 SS Epoxy hard coated HE 30 Hard anodised aluminium		



MB4-GAUNTLET (PLUS)

ROTATE	180° or 360° CONTINUOUS
TORQUE AT 140 BAR	15 / 40Nm
LIFT AT 140 BAR	40 KG
WEIGHT IN AIR	10.3 / 13.3 KG
WEIGHT IN WATER	8.3 / 11 KG
MATERIALS: -	316 ST. STEEL/ HE30 HARD ANODISED ALUMINIUM

FOR SLEW PLATE FIXING DETAIL SEE DRG. CMR 4030

HYDRO-LEK LTD.	HLK MB4 MANIPULATOR
ISS. DATE: -	MAT: -
CHKD BY: - REV. NO: - 3	DRG. NO: -HLK 4200/DATA
DRAWN BY: - JW 31/8/00	