

# Remotely Operated Vehicle



ROV name:

## NOMAD

The Nomad is a 150HP work class ROV with a proven 1200msw depth rating. It is designed to be a cost effective and client-focused

### NOMAD SPECIFICATIONS

ROV General	
Depth Rating	: 1500 metres
Length	: 2.5 metres
Width	: 1.6 metres
Height (Drill Support Mode)	: 2.4 metres
Weight (Drill Support Mode)	: 2800 kgs
Payload	: 1000 kgs
Frame Lift	: 3500 kgs

### Propulsion

Horsepower	: 150
Forward	: 1000 kg
Astern	: 1000 kg
Vertical Up/Down	: 1000 kg
Lateral	: 1000 kg

### Camera and Sensor Package

Lights-6	: 2000 Watts (available)
Camera 1	: Instrumentation Camera-CCD Camera
Camera 2	: Arm Camera - CCD Camera
Camera 3	: Arm Camera - CCD Camera
Camera 4	: Pan and Tilt Camera - Semi Low Light/Zoom Camera
Camera 5	: Tooling Camera - CCD Camera
Camera 6	: Top Down View Camera - CCD Camera
Sonar System	: Imaginex 881A
Water Temperature	: 0° to 38° Celcius

### Flux gate compass and gyro

Cement detector probe	: 0 - 2000 metre (MSW)
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### Arms

T3 Schilling	: Option
Port Manipulator	: 8 Function (TMT)
Starboard Manipulator	: 8 Function (TMT)
Grabber	: 2 Function (TMT)

### Clump Weight

Winch (line pull)	: 8000 kgs
Winch (drum capacity)	: 50 metres
Clump Weight	: 500 kgs

### Tools to Assist Drilling

- Ax Ring Tool
- Guide Wire Cutter
- Guide Post Cutter
- Dredge
- Rig Floor Monitor

### Control Van/Workshop

Length	: 6.1 metres
Width	: 2.4 metres
Height	: 2.75 metres
Weight	: 5000 kgs
Zone One	: Standard

### Launch & Recovery Systems

Over the Side Hydraulic A-Frame Fixed Rig Sliding Door

### Equipment Description

The Nomad (work class) ROV system has the following information that defines the current configuration. Many other tooling options are available upon request.

### System Includes

- 150 Horsepower ROV rated to 2,000 MSW
- Deck winch with fully redundant HPU, with fibre optic, armoured umbilical
- Main winch able to be fully operated in local or remote mode
- 2 x VHS digital recorders and 1x DVD recorder
- 4 x monitors in ROV control room for viewing ROV and deck activity
- 1 x drill floor monitor
- 2 x deck cameras for the LARS and winch area
- TMT Full Matrix video switching system
- Fibre Optic Video and data transmission in main umbilical with a 3rd party interface
- High-resolution colour camera (pan and tilt mounted) (Flys eye)
- 3 x colour pencil cameras deployed on flying leads around the ROV
- 2 x manipulator mounted, colour cameras
- Imaginex 881-Aa high resolution scanning sonar
- Precision instruments depth gauge
- KVH Digital Heading Sensor (with Dinsmore magnetic heading sensor back-up)
- Auto depth/auto heading, temperature sensor with fulltime bathymetry display
- 2 x 8-function rate feed manipulators
- 1 x 2 function grabber
- Hydraulic cutter for wire rope (up to 1" diameter)
- Hydraulic cutter for fibre rope (up to 1" diameter)
- 8" dredge/jet pump
- AX/VX Ring gasket replacement tooling
- Hydraulic rotary grinder/cutter/buffer
- Control Van (Zone rated)
- Maintenance area at back control shack with bulkhead separation
- Complete inventory of system spares including tether
- Mechanical and electronics tools and test equipment
- Rig harmonised power conditioned electrical supply
- T3 manipulator deployment platter
- 1 x Hydraulic 2 pass hot stab set rated to 2500psi

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