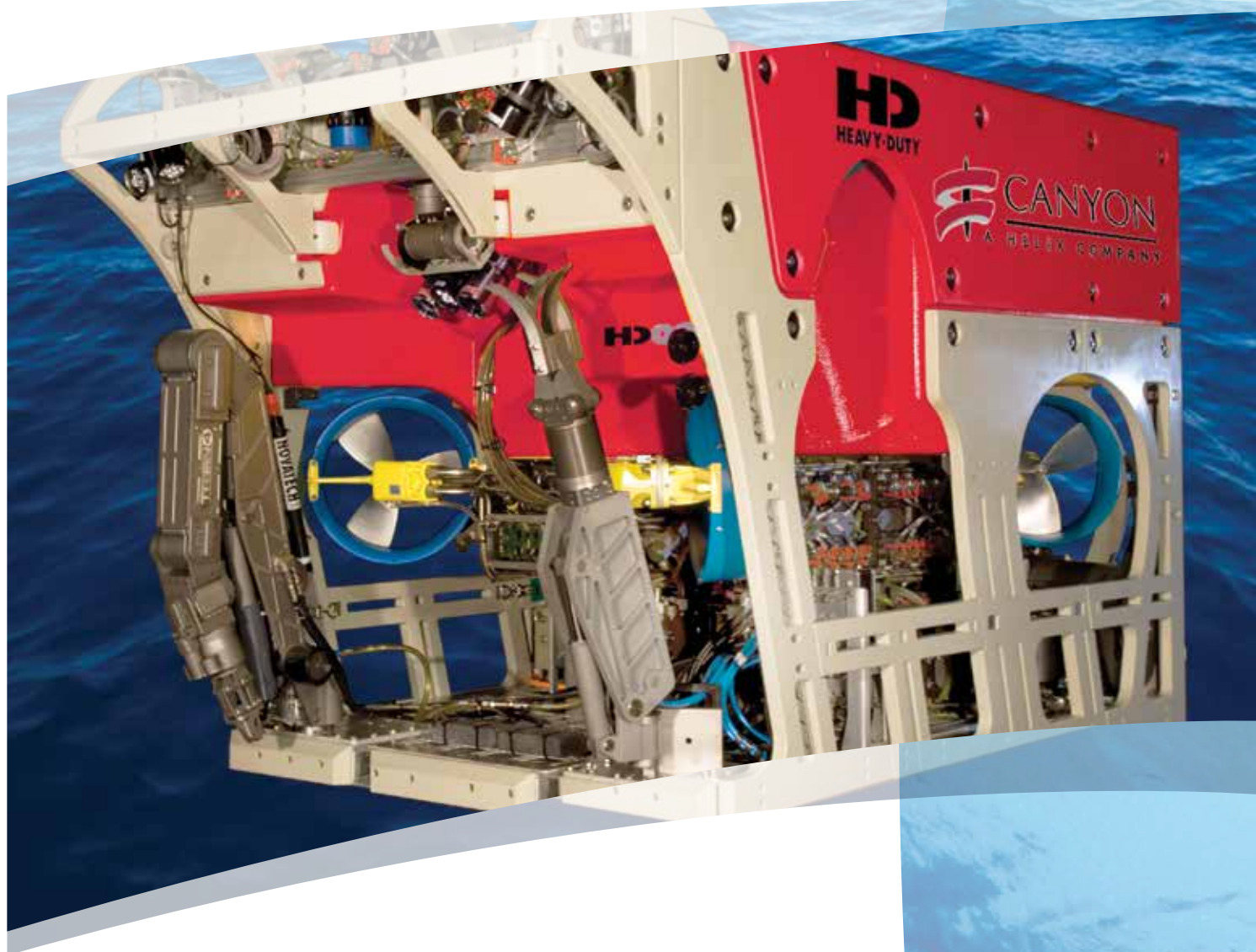


Schilling HD™ Specialty Marine Contracting ROV System



SCHILLING'S HEAVY-DUTY (HD) ROV SYSTEM IS designed for performance, reliability, and maintainability. Innovative features in the frame design and modular sub-systems combine to produce a high-performance vehicle suitable for IMR, drill support, and heavy-duty construction operations, while maintaining a compact system footprint ideal for rapid transportation and mobilization. It is designed to support IMR, drill support, and heavy-duty construction operations in 3,000 msw (optional 4,000 msw available) with 450 to 850 m tether capacity.

VEHICLE SPECIFICATIONS

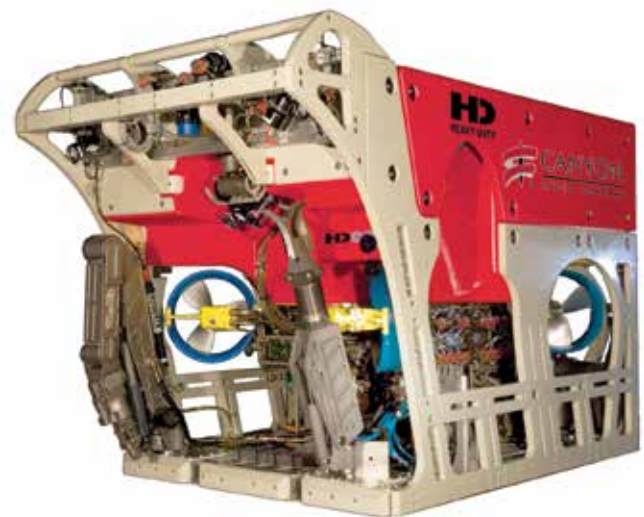
Safe Working Load	6,700 kg
Through-Frame Lift	3,000 kg
Weight in Air	3,700 kg
Dimensions	2.5 m x 1.7 m x 1.9 m
Payload	250 kgf
Thrust Performance	
Forward / Aft / Lateral	900 kgf
Vertical – Up / Down	850 kgf
Equipment Fit	
Cameras	Various options
Depth Sensor	Digiquartz®
Heading Sensor	Schilling
Doppler	RDI Navigator 1,200 kHz
Strobe	ST400AR
Lights	(8) ROS 26VDC
Pan and Tilt	Schilling Electric
Valve Pack	(2) 8-function
Propulsion	
HPU	150 hp, 112 kW
Operating Pressure	207 bar
Thrusters	(7) Sub Atlantic
Hydraulic Requirements	
Fluid	Mineral, glycol, or synthetic
Maximum Pressure	70 LPM

APPLICATIONS

150 hp HPU
3 t through-frame lift
250 kgf payload
StationKeep™ installed, standard
Compact footprint
High thrust performance
3,000 msw standard; 4,000 msw option
70 LPM auxiliary hydraulic system
Extensive tooling installation space

FRAME

The HD incorporates high strength-to-weight ratio frame design that enables a very high specification within a compact footprint.



TETHER MANAGEMENT SYSTEM

The HD Tether Management System (TMS) has been designed around a field-proven 'shuttling drum' concept that provides exceptionally simple tether routing. The complete tether drum moves on a carriage system allowing the tether to exit the drum directly above and through the payout sheave.

425 m tether capacity, standard 850 m capacity EXE model, option

28 mm lightweight tether

Electrically driven without hydraulics

Duplex stainless steel construction

Shock absorbing docking snubber unit

9.7 t safe working load

6.7 t lower latch capacity

TMS SPECIFICATIONS

Safe Working Load 9,700 kg

Through-Frame Lift 6,700 kg

Weight in Water 1,580 kg

Dimensions 1.85 m x 2.19 m

Haul in Speed 50 mpm

TETHER

The 28 mm tether takes advantage of reduced conductor size at 4,160 VAC to enable a durable, lightweight TPR yellow jacket.

Capacity 425 m or 850 m

Depth Rating 3,000 to 4,000 msw

Manufacturer Nexans RT 528

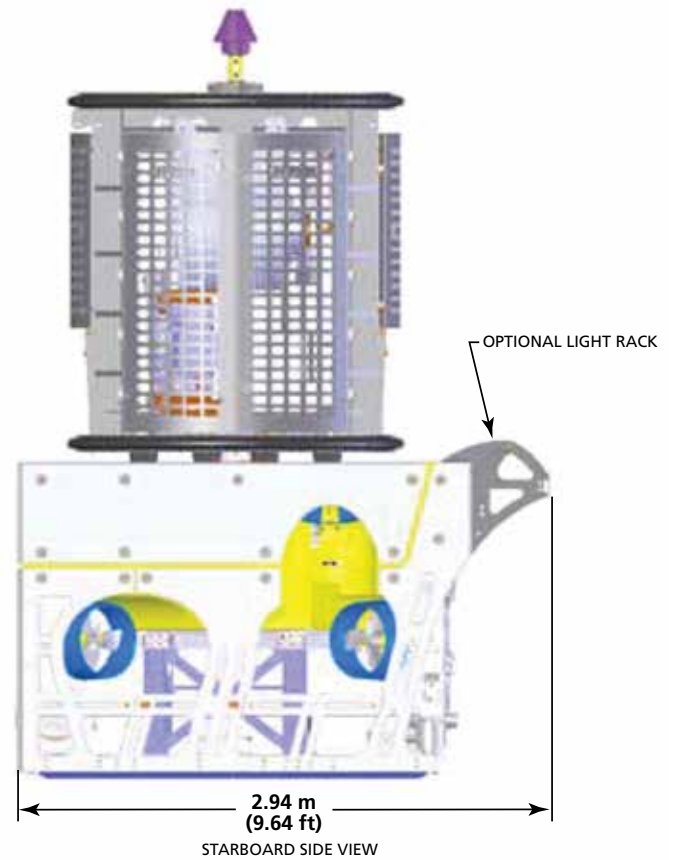
Minimum Bend Diameter 425 mm

Safe Working Load 20 kN

Minimum Break Load 110 kN

TETHER HANDLING

The HDs tether management system utilizes a shuttling drum concept to ensure that the tether always spools from the drum directly in line with the TMS exit point. A simple tether routing path through the pinch wheel and sophisticated software control of motor torque provide exceptional tether handling performance, regardless of the conditions created by any tether surface contamination.





www.HelixESG.com

Canyon Offshore

Americas

3505 W. Sam Houston Parkway North,
Suite 400
Houston, Texas 77043 USA

Office 713.856.6010
Fax 713.856.6020

Europe / West Africa

Helix House, Kirkton Drive,
Pitmedden Industrial Estate,
Dyce, Aberdeen, UK, AB21 0BG

Office +44(0)1224.351800
Fax +44(0)1224.351801

Asia Pacific

25 Loyang Crescent
Loyang Offshore Supply Base
Block 603, Tops Ave 6, Unit 1, Box 5009
Singapore 508988

Office +65 6.501.0130
Fax +65 6.542.8675