



SCHILLING HD 20

Work Class ROV

- Heavy duty work class ROV – 150 Hp HPU
- 3000 m depth rated
- Through frame lift capacity of 3 t
- Tooling basket integrated in skid
- Top hat TMS
- Interface prepared for advanced survey equipment
- Active Heave Compensated Launch and Recovery System



TECHNICAL SPECIFICATIONS

ROV GENERAL

Manufacturer:	Schilling
Model(s):	20
Depth rating:	3000 m
Power pack:	150 Hp
Through frame lift capacity:	3000 kg
Dimensions (LxWxH):	2.5 x 1.7 x 1.9 m
Weight:	3700 kg
Thrusters:	4 x horizontal 3 x vertical
Hydraulics Pressure:	3000 psi main HPU 3000 psi aux HPU
Max flow:	216 LPM main HPU 78 LPM aux HPU

PERFORMANCE

Payload capacity:	200 kg
Speed	
Forward:	3+ knots
Lateral:	3+ knots
Bollard Pull	
Forward:	900 kg
Aft:	900 kg
Lateral:	900 kg
Vertical:	850 kg

STANDARD EQUIPMENT FIT

Manipulators:	1 x 5 function Schilling Rigmaster/ 1 x 7 function Schilling Atlas (optional) 1 x 7 function Schilling T4
Sonar:	Kongsberg Mesotech MS1000
Lights:	6 x 500 W on dimming circuits
Cameras:	1 x low light monochrome CCD 1 x CCD colour 1 x tooling SSD colour
Depth sensor:	Digiquartz
Compass:	CDL Togsnav
DVL:	ROV DP Pitch/roll sensor
Hydraulic outlets:	16 station proportional manifold
Altimeter:	Kongsberg MS1007 Altimeter

INTERFACES

Video:	8 x real time video channels
Communication:	48 channels are available for vehicle equipment and customer interfaces
Options:	On request

CONTROL MODES

- Auto heading
- Auto heading park
- Auto depth
- Auto altitude
- Auto failsafe
- Auto track
- Station Keep – Dynamic Positioning

CONTROL / WORKSHOP

Control room and workshop integrated into vessel	
Control console:	2 x ergonomic pilot chairs integrated joysticks integrated touch screen 19 inch rack video matrix 16 channel
Video recording system:	DVR black-box duo with independent video overlay per channel

POWER REQUIREMENTS

N/A – integrated into vessel

TMS

Manufacturer/ type:	Schilling Electric TMS
Depth rating:	3000 m
Tether capacity:	425 m (28 mm tether)
Diameter:	2.24 m
Height:	1.85 m

LAUNCH AND RECOVERY SYSTEM

Type:	A-frame
Manufacturer:	Seaonics
Certification:	DNV 2.22
SWL (deployed):	10 Te
Outreach:	6.9 m