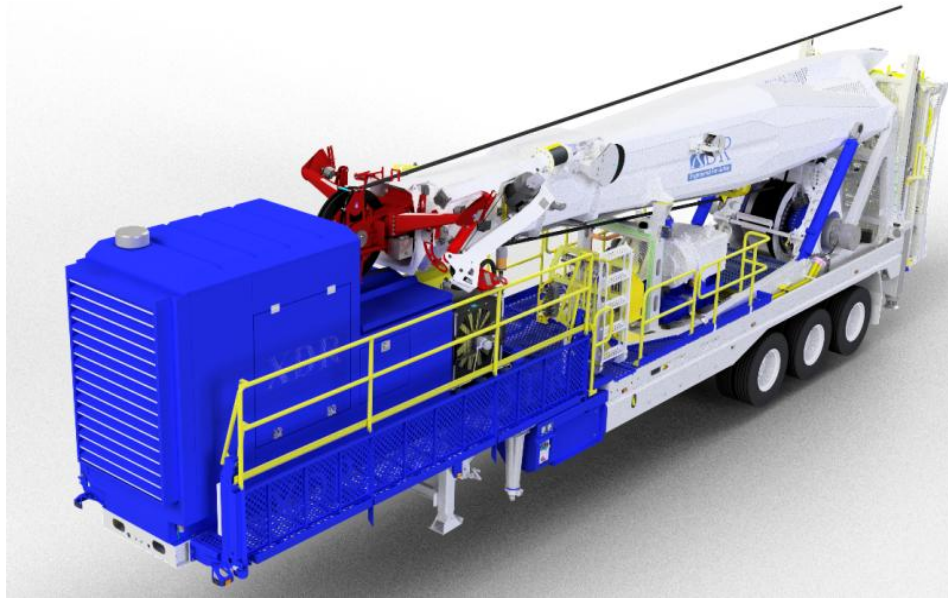


XDR160 Workover Rig – Specification



XDR160T Rig

- Conforms with API4F:2013, API9B:2011, API RP505:1997, AISC-335-89 & BS7608:2018
- Conforms with Australian Standards AS1418.1:2002, AS1657:2018
- SIL2 rated as per requirements of the Queensland Government
- 72,600kg (160,000lbs) Static Hook Capacity

XDR160 Workover Rig – Specification

1.	Mast Specification □ Type: Patented telescopic mast with single tele-boom (range 2). □ Freestanding mast which is hydraulically raised and extended. □ Mast is designed and built to conform to the requirements API 4F standard. □ Mast Height: 22.00 mt (72ft) Top of crown to ground. □ Static Hook Capacity Single Line 72,600 Kg (160,000 lbs). □ Pick-up hook load at 10 degrees past vertical 10,000 Kg (22,000 lbs.)	
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	Mast Safety □ 2 x Crown Saver (1 x Software, 1 x Hard Wired) for draw works winch. □ 1 Hard Wired crown saver for each tugger winch. □ 1 physical crown saver for jib winch. □ Rig automatically adjusts pull back relative to the mast angle. □ Floor Saver. □ Mast Overpull Protection. Mast Lighting □ Fixed Lighting Installed compliant to Australian requirements. □ Aircraft Aviation Light at Crown □ All units installed with secondary retention Auxiliary Winches □ 1 x 3,000Kg Jib Winch □ 2 x 2,000Kg Auxiliary/Torque Rein winches NOTE: The auxiliary winches also double up as the torque rein system during rotating operations 1x 2,000Kg Service winch, 45m rope Standpipe □ 2” Pipe 5000 psi with integral butt-weld 1502 hammer unions bolted to the mast and hosed to deck 1502 thread. Anchoring System □ Free standing non-guyed □ Maximum wind rating 111km/h (60 knots) unexpected wind load, 80km/h maximum working wind rating □ 1 x grillage beam with torque rein anchors, two front jack stands	
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XDR160 Workover Rig – Specification

	4 off Mechanical Hydraulic Locking Jacks Drawworks Specifications □ 72,600 kg (160,000 lbs.) □ Variable speed hydraulic draw works up to 80m/min (single line pull) □ Draw works sheave 1,200 mm □ Integral Hydraulic Braking, Wet Disk Park Braking □ 42mm GR2150 Drill Line – No spooler required □ Integrated Crown Sheave Load Pin – overpull limiter	
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	Hydraulic System Specifications □ Flywheel Drive Hydraulic Power Unit □ Hydraulic tank with casedrain and return line filters □ Two (2) Parker gold cup transmission pumps, One (1) open circuit Parker pump and dual gear pump □ Two (2) Poclain motors on drawworks winch □ Powers Hydraulic Power Swivel (no additional HPU required) □ One set of quick connects to power a Catwalk Pneumatic System Specifications □ Compressed air to be supplied from on-site air compressor □ Air control for pneumatic slips Electrical Specifications □ 24V electrical supply from onboard diesel engine □ All lighting circuits are 24V. □ XDR Xenon Ram Saver □ XDR Xenon Remote Access Platform Specifications Work Platforms □ Hydraulic Cantilever Work Platform variable from ground 1,900 to 5,000 mm (13.7ft), setup height 1,350mm □ Work area is 11.2 m². □ Hydraulic operating rig floor, man riding without gear on platform. □ Capable of 90°, 180° & 270° operations. □ Handrails, kick rails, tool board. □ Two points of access / egress □ Distributed safe work limit of 3,000kg	
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XDR160 Workover Rig – Specification

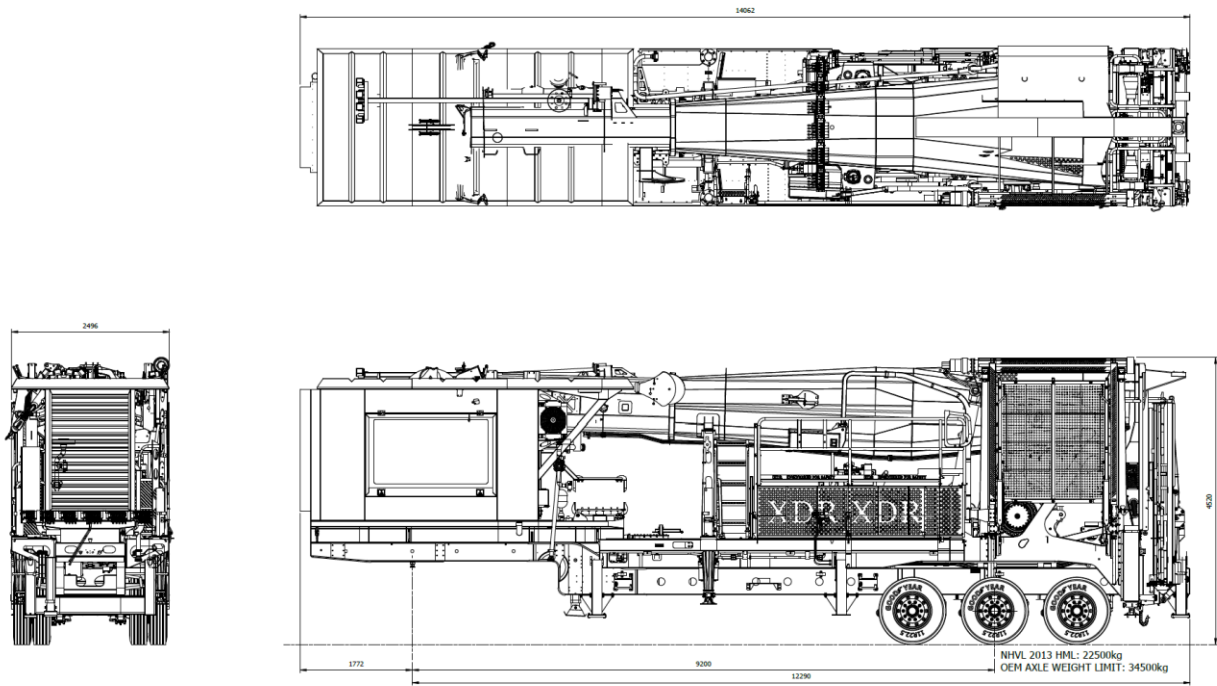
	Operator's Platform □ Hydraulic Cantilever Operators Platform variable from 1,600mm to 4,500 (13.7ft) □ Work area is 4.6 m². □ Allows easy access to the workfloor □ Handrails, kick rails, tool board. □ Two points of access / egress. Walkways & Platforms □ All walkways are Hydraulically Deployed Reducing Lifting of heavy Loads and □ Increasing Rig Up / Down Efficiency All Walkways, Stairs and Platforms in compliance to current Australia Standards and Requirements.	
	Drillers Console Specifications □ All required Controls to Operate the XDR 160 Rig □ Adjustable to suit various operations □ Removable Driller's shade to cover the platform □ Optional Drillers Cabin, not included in this quote Control Panel Gauges □ 1 x Driller HMI Screen Integrated IP 67 rated levers and joy-sticks Paint Specification Equipment to be painted as per XDR paint specification and colour scheme Bullhorn Specification □ Dual Load Path 80 tonne (160,000lb) WLL using bail link ears. □ Single Load Path Sucker Rod Hook 25,000kg WLL to be supplied by customer. □ Fitted with switchable anti-spin system to prevent unwanted hook rotation. □ Fitted with safety latches to prevent bails/slings from disengaging. XDR Trailer Assembly □ Overall Transport dimensions: 14,060mm (L) x 2495mm (W) x 4300mm (H). GVM 30,000 kg. □ Custom designed, manufactured and RVCS compliant trailer	Customer can nominate equipment paint scheme as required

XDR160 Workover Rig – Specification

	chassis complete with ADR compliant lighting and marking systems. ❑ Triaxle HML 22.5t and Kingpin Mass 12.5t. ❑ Volvo TAD1642VE-B 700hp EU Stage II/EPA Tier 2 Diesel Engine with air inlet shutoff valve. ❑ Engine mounted in an enclosure and includes noise reducing materials to reduce operating noise. ❑ Spark arresting muffler installed in engine enclosure. ❑ Engine exhaust manifold, exhaust piping, turbo charger and spark arresting muffler are covered with a high-grade fiberglass to eliminate potential vapor ignitions while operating. ❑ 500L capacity fuel tank incorporated into trailer design	
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	Mud Pump Assembly ❑ Flow Specification: Minimum 1.16 bbls – Maximum 7.8 bbls ❑ Maximum Pressure: 2150 psi ❑ Jereh 600S horizontal triplex plunger pump with 4” plungers ❑ Closed loop hydraulic drive with reducing belt drive ❑ Suction and Pressure pulsation dampener ❑ Discharge flap type check valve ❑ Oteco shear type pressure relief valve ❑ Choke manifold mounted on rig ○ Eight of manual 2” 5000psi valves – API 6A certified ○ One of manual 2” 5000psi choke valve – API 6A certified ❑ Allowance for one suction point from offboard charge pump system. ❑ Allowance for one pressure relief discharge point to offboard tank. ❑ Mud pump controls integrated into PLC control system and displayed on Drillers Console. ❑ Layout as per P&ID supplied by XDR. *No allowance has been made for suction lines, charge pump systems or pressure relief lines to offboard systems.	
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XDR160 Workover Rig – Specification



**EXPLORATION DRILL RIGS**
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XDR160
RIG LAYOUT
TRAILER ASSEMBLY

DATE	25/10/2022	ISSUED FOR INFORMATION	BY	JH	CHK	GR02-00-010A-00
REV	1	DESCRIPTION	BY	CHK		

PART No:	GR02-00-010A-00	DRAWING No:	GR02-00-010C-00	SHT:	1/1	SIZE:	A2	REV:	A
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