

EQUIPMENT No.	EQUIPMENT	XDR RANGE 2 CATWALK DESCRIPTION AND SPECIFICATION	EQUIPMENT OPTIONS
1.	Trailer Chassis	<ul style="list-style-type: none"> The Trailer Chassis is engineered and built by XDR. It is designed to accept equipment and deflection loading to international standards. This chassis is mounted on a bi-axle air ride system and is complete with Wabco EBS Braking System. 	
2.	Highway Equipment	<ul style="list-style-type: none"> The Catwalk is complete with rear and clearance lighting, turn signals, wheel flaps, inner fenders, stop lights, backup alarm, reflectors and transport strobes as required. All light systems are installed and operate in accordance with the applicable ADR (Australian design regulation). 	
3.	Axles	<ul style="list-style-type: none"> Dual axles; 30,000kg GVM. 	
4.	Catwalk Dimensions	<ul style="list-style-type: none"> Trailer Catwalk. Overall Transport Dimensions 14.05 m (L) x 2.49 m (W) 4.3 m (H); No permits required for dimensions or weight in most regions 	
5.	Configuration	<ul style="list-style-type: none"> Lift mechanism rated to 800 kg; Lift mechanism working range from 1.55 m to 5.3 m; Configured to match the draw works performance speed of 80 joints per hour; Skate and grab mechanism able to travel full length of the trough; Dual side twin adjustable Rack Rails 10,000 kg (22,000 lbs) per side; Water tank (1,000 L) should the test pump be fitted to the catwalk; Two removable storage skids for transport. 	<p>Water tank will be fitted if the customer requires the test pump to be fitted to the catwalk. Included in price.</p>
6.	Rod Handling System	<ul style="list-style-type: none"> Sucker Rods: API 11B 5/8 in to 1-1/8 in; Tubulars: API 5CT 2-3/8 in to 4-1/2 in Range 2; Each storage arm has an individual levelling jack and inclinometer. Angle of arm can be ± 3 degrees and can be adjusted individually. Operators screen shows inclinometer readouts to ensure optimal arm angle is maintained; The dual 6 metre arms each side have the capacity to hold 10,000 kg (22,000 lbs.) of pipe and rods. With both sides fully loaded catwalk can hold 20,000 kg (44,000 lbs.) of pipe and rods; Lift capacity of trough is 800 kg; Skate travels full length of the trough on a wire rope system; Three kickers each side for lifting rods into rotating trough. 	

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7.	Hydraulics System	<ul style="list-style-type: none"> • Complete electric over hydraulic controls for all catwalk operating functions; • Manual control for light tower, platforms and jacks; • During normal operation catwalk is run using the rig hydraulics via the quick connect system; • Electric over hydraulic valve bank is on the side of catwalk adjacent the stairs so that in an emergency the catwalk operations can be conducted manually using the levers on the valve slices; • If the rig hydraulics are not available the catwalk has its own diesel driven auxiliary power unit for catwalk set-up/ pack up. 	
8.	Control System	<ul style="list-style-type: none"> • Control system SIL2 compliant; • Control Desk mounted on gooseneck to allow operator clear view of all catwalk operations and quick access to the Koomey Unit controls; • The PLC control of the catwalk functions allows manual or semi-automatic modes; • PLC interlocks ensure safe and efficient operation of the catwalk; • Chassis mounted inclinometer ensures catwalk can only be operated when level preventing the catwalk from operating on unsafe terrain; • Onboard battery back-up supply of 24V in case of 240V incoming supply fails. 	
9.	Electrics/Lights	<ul style="list-style-type: none"> • 415V electrical supply to the Koomey Unit; • 240V electrical supply to the Catwalk control panel; • All catwalk control and lighting circuits are 24V; • Lights; <ul style="list-style-type: none"> ○ One (1) light above Koomey unit for operations and maintenance; ○ One (1) light including emergency backup mounted over operator's area and stairs; ○ Four (4) LED floodlights mounted on hydraulically actuated light tower. Height of lights from ground is 7.9 m. 	
10.	Test Pump	<ul style="list-style-type: none"> • Capable of pressure testing the well up to 3000 psi; • Fully integrated into catwalk PLC controls, with adjustable operator's set point and digital pressure readout; • Complete data log for each test can be download in Excel format. 	

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11.	Transport Storage	<ul style="list-style-type: none"> • Two transit skids fixed to the chassis with container locks for transporting additional equipment; • The two transit skids may be used as work tables if required or for; <ul style="list-style-type: none"> ○ Integrated BOP transport; ○ Designed to handle 7-1/16 in 3K annular and double gate BOP on a skid but can be adjusted to suite customer's requirements; ○ The choke manifold on its skid which container locks onto one of the transit platforms; ○ Additional tools and equipment. 	<p>Customer to specify transport storage requirements to suit storage skids if different from that proposed by XDR.</p> <p>The Choke manifold on its skid is included in Mud Trailer scope of supply.</p>
12.	Accumulator Closing Unit	<ul style="list-style-type: none"> • Accumulator Closing Unit free issued to XDR; <ul style="list-style-type: none"> ○ Footprint must be less than: Length 2.08m x Width 2.28m x Height 2.2m; ○ Umbilical and Airline locations to be confirmed with XDR before supplying; • Hydraulically operated platforms on all sides of Accumulator Closing Unit for complete maintenance and operational access at all times; • BOP Hydraulic lines run to end of catwalk for more efficient setup time. 	