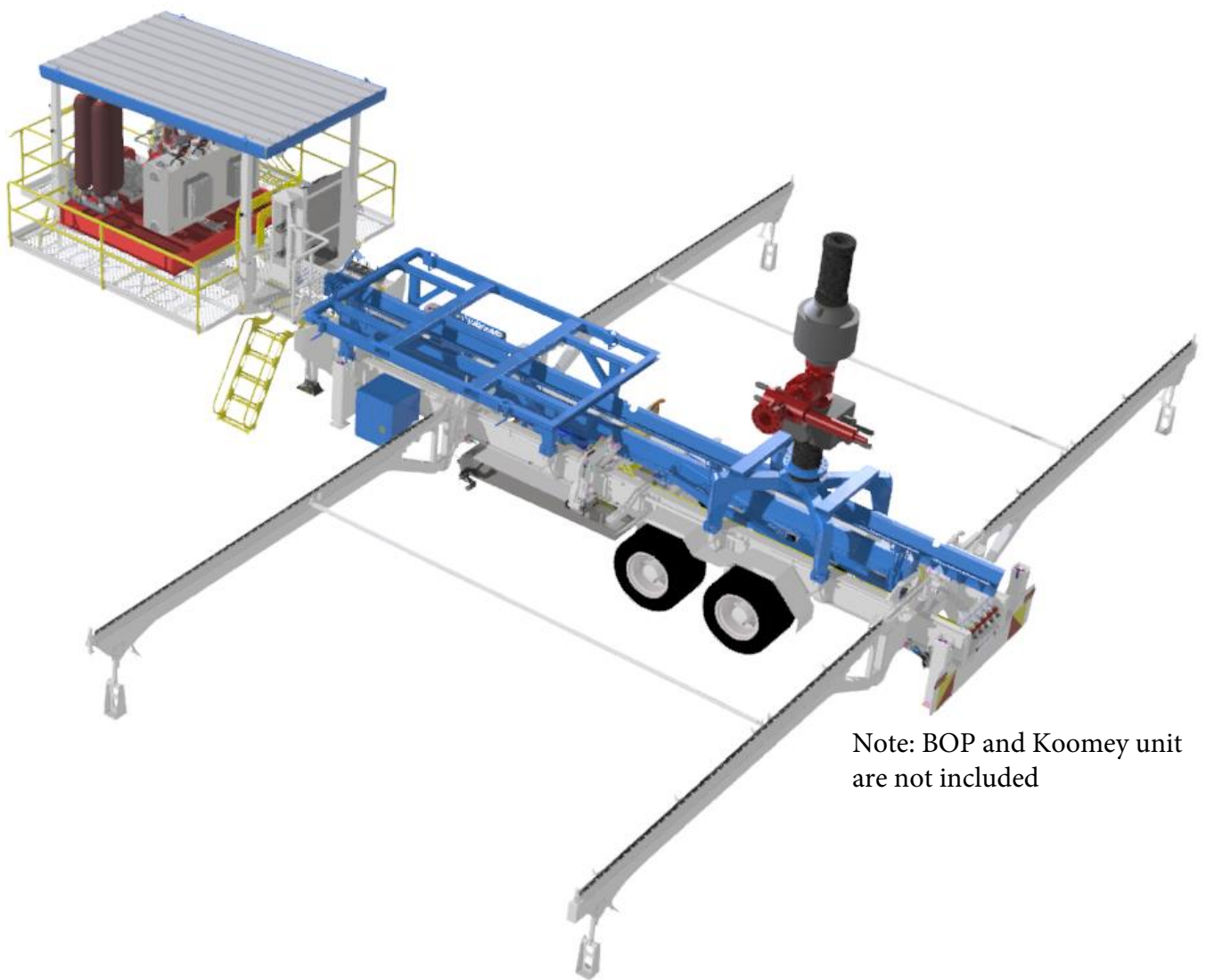


XDR Range 2 Catwalk



Note: BOP and Koomey unit
are not included



Exploration Drill Rigs Pty

XDR 855TA2 CATWALK SPECIFICATION

TRAILER SPECIFICATION

- Overall Transport dimensions: 14,060mm (L) x 2495mm (W) x 4300mm (H). GVM 30,000 kg.
- Custom designed, manufactured and RVCS compliant trailer chassis complete with ADR 12-24V multivolt LED compliant lighting and marking systems.
- Twin Hendrickson Axles with Wabco EBS braking system.
- SAF Holland King Pin and Landing Legs.

PIPE HANDLING SPECIFICATION

- Maximum Lift Capacity 850kg.
- Maximum Lift Height 5.3m @ 23 degrees.
- Range 2 Tubulars from 2-3/8" to 4-1/2".
- Range 2 Sucker Rods 5/8" to 1-1/8".
- Handling Speed of 100 joints per hour.
- Rotating Trough and Lifting Kicker design allowing for a smooth trough with no cut-outs.
- Skate and integrated grab capable of travelling the full length of the trough at 80m/min.
- **Upgraded 1000mm trough extension**
 - **Trough extension that can be packed/unpacked manually.**
 - **Spring loaded mechanism to reduce manual handling risks**

SUCKER ROD HANDLING SPECIFICATION

- Pony Arms and Kicker System on each side of the Trough to reduce flexing of sucker rods
- Aluminium arm extensions to help with sucker rod handling.
- Stop pins and positions to allow additional flexibility in setup.

PIPE STORAGE SPECIFICATION

- Two 6.5m adjustable rack rails per side each capable of holding 10,000kg.
- Rack rails hydraulically adjustable between ± 3 degrees to allow for different pipe conditions.
- UHMWPE rolling edges to prevent pipe damage and reduce operating noise.

HYDRAULIC SYSTEM SPECIFICATION

- Catwalk connects to the rig for all hydraulic power requirements via quick connect hoses.
- Electric over hydraulic valves for all operation controls.
- Manual controls for Jack Legs.

CONTROL SYSTEM SPECIFICATION

- Control Panel mounted on gooseneck of trailer for excellent operator visibility.
- IFM PLC control allows for manual and semi-automatic functioning of the catwalk.

IECEX WIRELESS REMOTE SPECIFICATION

- Allows for wireless control of the catwalk using an IECEX Remote.
- Usable for Semi-Automatic functions and manual skate control.
- Jay Electronique Beta 6 ATEX Wireless Remote and Timo Transceiver

SETUP SPECIFICATION

- Four chassis jacks to allow for levelling of the catwalk on uneven surfaces
- Kelly Nut Jack Leg design removes the hydraulic load from the jacks preventing uncontrolled movement in the event of a hydraulic leak.
- Capable of being setup for operations in 30 minutes by one operator.

ELECTRICAL SPECIFICATIONS

- All catwalk control and lighting circuits are 24V.
- One (1) light including emergency backup mounted over operator's area and stairs.
- **4 of welded earthing pucks, 50mm diameter, 25mm high with M10 thread.**

KOOMEY UNIT MOUNTING SPECIFICATION

- Koomey unit mounted on gooseneck of trailer with 360° maintenance access via hydraulically actuated platforms.
- Integrated Roof Structure for all weather operations.
- Integrated hydraulic and pneumatic tubing to quick connects at the end of the trailer.
- Integrated 415V electrical supply to connection point at the end of the trailer.
- Lighting package to allow for 24-hour operations and inspections.
- Koomey unit to be free issued by client (Footprint: Width 2.3m x Length 2.1m x Height 2.2m).
- Hoses to BOP unit to be free issued by client.

AUXILIARY POWER UNIT SPECIFICATION

- Air-cooled diesel close-coupled to an 18cc hydraulic pump.
- 60L Hydraulic Oil tank with return line filter and desiccant breather.
- Quick connect fittings to allow easy connection to the catwalk hydraulic system.
- Integrated 24V battery system to allow for independent running of the PLC without electrical power to the catwalk.
- Trickle charging 24V system to ensure batteries are always fully charged when catwalk is using 240V power.

HIGH PRESSURE TEST PUMP AND WATER TANK SPECIFICATION

- High performance triplex pump capable of 25 lpm @ 5800 psi.
- 1000L Stainless Steel water tank.
- Hydraulic drive incorporated into a steel toolbox with swing door for ease of access.
- Variable pressure control and datalogging through PLC.
- **20m 5000psi hose reel to allow for easier connection to equipment without needing to move the catwalk.**
- **Gernie mode available through PLC for cleaning operations.**

LIGHT TOWER SPECIFICATION

- Hydraulically actuated fold up light tower that extends to 8m from ground height.
- Supplied with 4 independent 24V LED floodlights.
- 28,800 Lumens of light output

TRANSPORT SKID SPECIFICATION

- Can be mounted onto the catwalk using container twist locks for additional transportation between well sites.
- Customisable to suit the customers storage and transportation needs.
- Refer to GH02-00-005C-01 drawing for transport skid weight and size limitations.
- No sub-frame skids are included in this quotation.

AIR COMPRESSOR

- 240V 3HP Air Compressor.
- 16cfm/453lpm air flow capacity.
- 125L compressed air storage tank.
- Integrated mounting into catwalk chassis with permanently mounted electrical feed and isolators.

JACK PAD STORAGE – CATWALK

- Storage for eight (8) jack pads (600mm x 600mm x 50mm) for jack stools.

TRAILER FITOUT – CATWALK

- Four (4) of wheel chocks to comply with trailer weight requirements.
- Storage for wheel chocks.
- Ring type wheel nut indicators fitted to all wheel nuts.
- Placard showing required wheel nut torques.

XERUS 100SSR ROD HANDLER SPECIFICATION

- Manual sucker rod handling system.
- Maximum Lift Capacity 100kg.
- Maximum Lift Height 2.57m @ 8 degrees.
- Range 2 Sucker Rods 5/8” to 1-1/8”.
- Maximum storage of 3000kg per stand.

SITE EMERGENCY SHUTDOWN

- Site e-stop receivers and antennas fitted to Rig, Catwalk and Mud Trailer.
- Three (3) of Elsema GLR43301E receiver and ANT433S antenna.

HYDRAULIC STAIRS

- Option to supply two (2) hydraulically actuated access stairs.
- One fitted to Catwalk, one fitted to Mud Trailer.