



AUTOMATED POWER CATWALK

"HELPING OUR CUSTOMERS ACHIEVE SUPERIOR RESULTS"



The Automated Power Catwalk is simple to use and extremely robust. It combines innovative engineering and proven manufacturing techniques to deliver a product that is designed for the optimum in personnel safety, virtually eliminating the need for manual handling of tubulars.

The Automated Power Catwalk from Canrig is designed to individually index racked drill collars, drill pipe and casing into a center carrier where they can be lifted to the drill floor. It can safely and efficiently raise tubulars and other equipment such as subs, casing, logging tools or utility baskets. It eliminates the need for pickup and lay down services when running casing. With its remote controlled capability, the unit can be operated from the drill floor or from ground level. Models are available to accommodate any tubular from pickup subs and survey tools to 30-inch casing, and for almost every rig size and configuration.

SPECIFICATIONS

MODEL	8000
TUBULAR LENGTH MAXIMUM	65 ft - Range 2 doubles 19,812mm – Range 2 doubles
TUBULAR OD MAXIMUM	30 in 762 mm
TUBULAR WEIGHT MAXIMUM	16,000 lbs 7,257 kg
CYCLE TIME	30 sec. carrier up (16,000 lb. tubular at 46 ft sub-height)
DRILL FLOOR HEIGHT RANGE	38 ft. to 50 ft 11,582mm to 15,240mm
CATWALK DECK HEIGHT	42 in. 1067mm
WORKING DIMENSIONS	42ft H x 28ft-7in W X 92ft-8in L 1,067mm H X 8,712mm W X 28,245mm L
TRANSPORT DIMENSIONS	Main skid: 13 ft-2 in H x 10 ft-2 in. W x 60 ft L 4,013mm H X 3,099mm W X 18,288mm L Support skid: 9 ft-7 in H x 10 ft-2 in. W x 35 ft L 2,921mm H X 3,099mm W X 10,688mm L
WEIGHT TOTAL	137,000 lbs 62,142 kg
STANDARD HPU DRIVE SYSTEM	Electric
SUPPLY POWER REQUIRED	600V/300 AMP, 60 Hz



MODEL*	2000	3000	4000
TUBULAR LENGTH MAXIMUM OPTION 1	45 ft - Range 3 Single 13,716 mm - Range 3 Single	45 ft - Range 3 Single 13,716 mm - Range 3 Single	50 ft - Range 3 Single 15,240 mm - Range 3 Single
TUBULAR LENGTH MAXIMUM OPTION 2	N/A	N/A	65 ft - Range 2 Double 19,812 mm - Range 2 Double
TUBULAR OD MAXIMUM	13.375 in 340 mm	20 in 508 mm	24 in 610 mm
TUBULAR WEIGHT MAXIMUM	6,000 lbs 2,721 Kg	10,000 lbs 4,535 Kg	10,000 lbs 4,535 Kg
CYCLE TIME	18 seconds	20 – 50 seconds	30 – 50 seconds
DRILL FLOOR HEIGHT RANGE	12 ft to 18 ft 3,658 mm to 5,486 mm	18 ft to 35 ft 5,486 mm to 10,688 mm	22 ft to 40 ft 6,706 mm to 12,192 mm
CATWALK DECK HEIGHT OPTION 1	42 in 1,067 mm	26 in (*H) 660 mm	42 in 1,067 mm
WORKING DIMENSIONS	42 in H x 30 ft 6 in W x 60 ft L 1,067 mm x 9,296 mm x 18,288 mm	26 in H X 28ft 2 in W X 68 ft 2in L 660mm X 8,687 mm X 20,777 mm	42 in H x 28 ft 6 in W x 65 ft (R2D 74ft) L 1,067 mm x 8,687 mm x 19,812 mm (R2D 22,555 mm)
TRANSPORT DIMENSIONS	7 ft 6 in H x 11 ft 6 in W x 60 ft L 2,286 mm x 3,505 mm x 18,288 mm	9 ft 9 in H x 9 ft 7 in W x 61 ft 5 in L 2,972 mm x 2,921 mm x 18,720 mm	9 ft 6 in H x 10 ft W x 60 ft L 2,896 mm x 3,048 mm x 18,288 mm
WEIGHT TOTAL	35,000 lbs 15,875 Kg	60,000 lbs 27,515 Kg	76,000 lbs 34,473 Kg
STANDARD HPU DRIVE SYSTEM	Electric	Electric	Electric
SUPPLY POWER REQUIRED OPTION 1	480V / 85 AMP	480V / 85 AMP	480V / 111 AMP
SUPPLY POWER REQUIRED OPTION 2	600V / 68 AMP	600V / 68 AMP	600V / 90 AMP

* Additional models are available for work over rigs

PADWALKER™ AND HYDRAULIC RAMP PIVOT

Pad drilling solutions continue to evolve and improve, walking rigs with crane-less rig-up are quickly becoming a typical feature on location. Canrig Drilling Technology's PadWalker™ was created as a result of this revolution.

In the past, the catwalk ramp was typically erected into the working position by using a crane and the catwalk itself was moved around location with a truck. By integrating hydraulic cylinders into the base and utilizing a unique pivot design, the catwalk is able to raise and lower the ramp to and from the working position once connected to rig power.

The PadWalker™ module is simple in design, easy to maintain, affordable and may be retrofitted to existing catwalks. At a walking

speed of 60 feet per hour, it keeps pace with existing rig walking systems and moves in forward, backward, sideways or diagonal directions. Control of both the PadWalker™ and the Hydraulic Ramp Pivot is accomplished through the wireless remote control.

These product enhancements are available on a stand-alone basis, however, pairing the PadWalker™ module with the hydraulic pivot feature eliminates the need for trucks and cranes to move the catwalk on the drilling pad. The catwalk is ready to be "walked" by disengaging the ramp from the rig substructure. Not only does this promote cost efficiencies while pad drilling, but it also allows convenient and ready access for substructure or BOP maintenance.

DESCRIPTION	IMPERIAL	METRIC
LIFT (PER PAD)	25,000 lb	11, 340 kg
WEIGHT (PER PAD)	600 lb	272 kg
WORKING PRESSURE	2,500 psi	172 bar
MAX GROUND CLEARANCE	5 7/16 in	13.8 cm
HORIZONTAL STROKE	12 in	30.5 cm
ORIENTATION	Eight 45° vectors from 0° through 360°	
WORKING SPEED*	12 in/minute	30.5 cm/minute

* Takes into account arranging of pad orientations to facilitate directional movement of the catwalk during normal operations, Cyclic speed is higher.





Canrig is committed to continually delivering increased value to our customers. In most cases, product enhancements can be retrofitted to existing catwalks, this keeps them working at peak performance and brings our customers new levels of drilling efficiency and economy.

FEATURES AND BENEFITS

FEATURES	BENEFITS
DUEL WINCHES	Provides redundancy in the event of cable failure.
ON-BOARD HPU	Seamless rig integration allowing for the catwalk to be operated away from the rig to facilitate pad walking and raising of hydraulic ramp pivot.
PLC CONTROLS	Enables multiple safety and control features.
WIRELESS REMOTE	Distances personnel from associated hazards to ensure safe operation, enabling single person operation.
INFRARED SENSING TECHNOLOGY	Automatically shuts down catwalk operations using motion detection sensors when activated by personnel entering restricted area.



PRODUCT ENHANCEMENTS & UPGRADES

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HYDRAULIC RAMP PIVOT	The Hydraulic Ramp pivot eliminates need for a crane to position ramp on drill floor. The system is operated with wireless remote control.
PAD WALKER™ KIT	The Canrig Pad Walker allows the catwalk to move around location without the need to use a truck or loader.
WHEEL MOBILITY SYSTEM	By adding a wheel mobility system, the catwalk can be connected either directly to the rig or maneuvered around the lease with a front end loader. This reduces the cost and time involved in a rig move while pad drilling.
AUXILIARY WINCH & LIGHT STAND KIT	Users of the model 3000 catwalk can now take advantage of adding an auxiliary winch and light stand to the rear section of the catwalk.
PIPE PROTECTION KIT	The kit uses the same reinforced urethane that is used on the drill floor while racking pipe. It is durable, visible and easy to install on existing catwalks. The pads protect the surface of high-priced chrome pipe normally used in sour gas areas.



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