

The background of the entire page is a photograph of an oil rig. A prominent feature is a tall, white lattice-structured derrick. A yellow power catwalk is attached to the side of the derrick, extending horizontally. The rig is set against a blue sky with scattered white clouds. In the foreground, there are various pieces of equipment, including a large red cylindrical tank and a crane arm with "P&H" written on it. The overall scene is industrial and technical.

AUTOMATED POWER CATWALKS

Helping our customers achieve superior results.



The **Canrig 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 is designed to individually index racked drill collars, drill pipe and casing into a center carrier where they are 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



Specifications	Model 2000*	Model 3000*
TUBULAR LENGTH MAXIMUM	45 ft (13.72 m)	45 ft (13.72 m)
TUBULAR OD MAXIMUM	13.38 in 340 mm	20 in 508 mm
TUBULAR WEIGHT MAXIMUM	6,000 lbs 2,721 Kg	10,000 lbs 4,535 Kg
CYCLE TIME	15 to 20 seconds	20 to 54 seconds
DRILL FLOOR HEIGHT RANGE	12 ft to 18 ft 3.7 m to 5.5 m	18 ft to 35 ft 5.5 m to 10.7 m
CATWALK DECK HEIGHT	42 in 1,067 mm	26 in (*H) 660 mm
WORKING DIMENSIONS	42 in H x 30 ft-6 in W x 60ft L 1067 mm x 9,296 mm x 18,288 mm	26 in H X 28ft-2 in W X 68 ft-2 in L 660 mm X 8,585 mm X 20,777 mm
TRANSPORT DIMENSIONS	7 ft-6 in H x 11 ft-6 in W x 60 ft L 2.3 m x 3.5 m x 18.3 m	9 ft-9 in H x 9 ft-7 in W x 61 ft-5 in L 3 m x 2.9 m x 18.7 m
WEIGHT TOTAL	35,000 lbs 15,875 Kg	60,000 lbs (basic configuration) 27,515 Kg
STANDARD HPU DRIVE SYSTEM	Electric	Electric
SUPPLY POWER REQUIRED	480V / 85 AMP <i>Opt.</i> 600V / 68 AMP	480V / 85 AMP <i>Opt.</i> 600V / 68 AMP

* Additional models are available for work over rigs

Specifications



Specifications	Model 4000*	Model 8000
TUBULAR LENGTH MAXIMUM	50 ft (15.2 m) <i>Opt. 65 ft (19.m)</i>	65 ft (19.8 m)
TUBULAR OD MAXIMUM	24 in 610 mm	30 in 762 mm
TUBULAR WEIGHT MAXIMUM	10,000 lbs 4,535 Kg	16,000 lbs 7,257 kg
CYCLE TIME	30 – 50 seconds	~ 50 to 64 seconds
DRILL FLOOR HEIGHT RANGE	22 ft to 42 ft 6.7 m to 12.8 m	38 ft. to 50 ft 11.6 m to 15.2 m
CATWALK DECK HEIGHT	42 in 1,067 mm	42 in. 1067mm
WORKING DIMENSIONS	42 in H x 28 ft-6 in W x 65 ft-3 in L (R2D 75 ft-3 in) 12.8 m x 8.7 m x 19.8 m (R2D 22.6 m)	42 ft H x 28 ft-7 in W X 92 ft-8 in L 12.8 m H X 8.7 m W X 28.2 m L
TRANSPORT DIMENSIONS	9 ft-6 in H x 10 ft W x 60 ft L 2.9 m x 3 m x 18.3 m	Main skid: 13 ft-2 in H x 10 ft-2 in. W x 60 ft L 4 m H X 3.1 m W X 18.3 m L Support skid: 9 ft-7 in H x 10 ft-2 in. W x 35 ft L 2.9 m H X 3.1 m W X 10.7 m L
WEIGHT TOTAL	76,000 lbs (basic configuration) 34,473 Kg	137,000 lbs 62,142 Kg
STANDARD HPU DRIVE SYSTEM	Electric	Electric
SUPPLY POWER REQUIRED	480V / 111 AMP <i>Opt. 600V / 90 AMP</i>	600V/300 AMP, 60 Hz

* Additional models are available for work over rigs

PADWALKER™ AND HYDRAULIC RAMP PIVOT

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

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 current 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.

This product enhancement is 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 simply 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.





PADWALKER™ AND HYDRAULIC RAMP PIVOT

Description	Imperial	Metric
LIFT (PER PAD)	25,000 lbs	11, 340 kg
WEIGHT (PER PAD)	600 lbs	272 kg
WORKING PRESSURE	2,500 psi	172 bar
MAX GROUND CLEARANCE	5 7/16 in	138 mm
HORIZONTAL STROKE	12 in	305 mm
ORIENTATION	Eight 45° vectors from 0° through 360°	
WORKING SPEED*	12 in/minute	305 mm/minute

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



FEATURES AND BENEFITS

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

Feature	Benefits
ON-BOARD HPU	Seamless rig integration allowing for the catwalk to be operated away from the rig under electrical service only 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



Product	Enhancements & Upgrades
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.
PADWALKER™ 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, 4000 and 8000 catwalks 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.





SALES INFORMATION

info@canrig.com

RIGLINE 24/7™ SUPPORT

US & Canada: 866 433 4345

International: +1 281 774 5649

support@rigline247.com

CORPORATE HEADQUARTERS

515 West Greens Road

Houston, TX 77067 USA

Main: +1 281 774 5600