

Lift & Slide

Walking system

APPLICATIONS

- Pad drilling operations

BENEFITS

- Enables fast and efficient operations, including well to well moves on pads
- Decreases HSE risk exposure by reducing the number of rig-up and rig-down operations
- Enables flexible walking on multiple row pads
- Offers built-in or pin-on lift unit options

FEATURES

- Adaptable to a wide range of rig designs and positions
- Available in 1,000-tonUS and 1,500-tonUS [890-tonUK and 1,340-tonUK] capacities
- Four assemblies required for rig walking
- Composite bearings for load support
- Standard design limits ground-bearing pressure during walking to 7,500 lbf/ft² [36,600-kgf/m²]
- Wireless controls available
- Optional wireless-controlled hydraulic-driven turntable
- Configuration available for integrated installation

Actuated by a hydraulic steering cylinder, the turntable assembly of the Lift & Slide* walking system, designed by T&T Engineering Services, Inc., a Schlumberger company, enables the rig to rotate 360° and move forward, backward, and side-to-side. To readily adapt to the position of the rig, the Lift & Slide system employs four corner lift units, each sized appropriately for weight distribution.

The ram ball-and-socket design of the system limits off-center loading of the piston, especially on uneven ground. The rams can be accessed for easy maintenance without having to remove the entire unit. In addition, capping beams prevent cylinder bore galling.

The control console consists of control valves with manual operations for independent control of the lift rams, skidding jacks, rotation cylinders, and a beam positioning cylinder. To help ensure smooth field installation, the Lift & Slide system includes a set of supply and return hoses, each 60 ft long with quick disconnects.

The system comes complete with a hydraulic lift ram, skidding cylinders, and a steering turntable. Adaptable to a wide range of rig designs, the Lift & Slide system can be retrofitted to an existing rig.



Unlike rail systems, the Lift & Slide system enables rig movement in multiple axes.

