

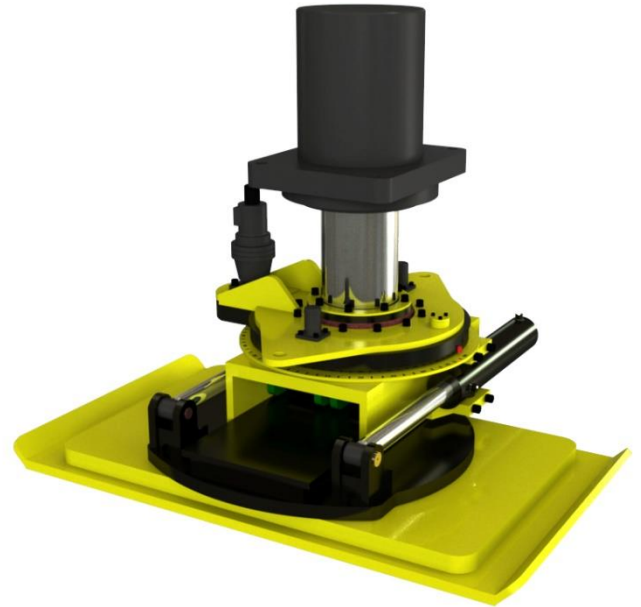
# Automatic Rotating Walking System: Remote Controlled

## Summary

The Hydraulic Systems' Engineering Team has recently filed a patent on an advanced walking system that incorporates automatic rotating feet. Designed to “**Safety First**” features, the remote control eliminates manually adjusting the foot direction and removes rig hands from tight spaces. The feet are rotated with a remote system and rig hands are no longer required to make manual adjustments during the walking process. The system can be set to repeat the walking cycles automatically for smoother movement and faster walking.

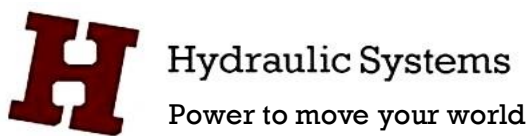
## OVERVIEW

Features	Benefits
Automatic Rotating	Using an automatic system speeds up rotating the feet from a remote control and all four can be rotated and set at the same time.
More directional options	Our rotating system allows the operator to align and lock feet into more positions than manually operated systems with pre-set pin locks.
Individual or “ALL” control	The flexibility of the system allows operator to rotate any single foot individually or all at the same time. Safety feature will prevent system from functioning until all feet are aligned in the required direction.
Versatile installation: Pin-On, Built-In Sub, Retrofitting existing systems	Our system fits various rig designs with very little additional engineering to mount the system according to the rig's engineering.



## DETAILS

Specifications	Description
Rotation	The patent pending RigRunner AR-15™ rotates to achieve a true 360 degree selection with use of a remote control
Load Bearing PSI	PSI (pounds per square inch) is the amount of pressure transferred from the rig and system to the ground through the foot assembly bottom plate we refer to as the stomper. Our patent pending design PadSaver™ enables us to customize the system to meet customer requirements.
Standard 200T & 300T lift cylinders	We offer two standard lift cylinders capable of lifting up to 200 tons and 300 tons respectively.
Custom design lift Cylinders	Customer requirements may vary and lift cylinders can be engineered and made to individual preference.
Variable travel options	The amount of ground covered in a single cycle (stroke) is optional as well as dependent on whether the feet are located in the substructure or pinned on the outside. Standard stroke ranges are 24” to 36”.



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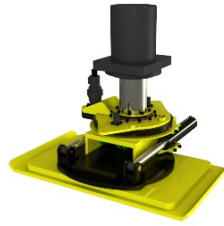


Introducing The Best In Class Automatic Rig Walking System  
The Next Generation Has Arrived.

Hydraulic Systems, Inc.

**AR-15**

Advanced Walking Systems



	RigRunner™	RigRunner™ AR-15	Brand X	The Other Guys
True One-Man Operation		👍		
Hands-Free Set Up		👍		
Cruise Control		👍		
Automatic Direction Selection		👍		
Direction Control	👍	👍		
Manual	👍	👍		
Automatic		👍		
Safe & Easy Access	👍	👍		
Safe State E-Stop		👍		
Safe State HPU E-Stop	👍	👍		
Remote Control	👍	👍		
Wireless Remote Control		👍		
Simultaneous Feet Control		👍		
Individual Foot Control		👍		
Communications		👍		
Wireless Remote		👍		
Available For Driller's Cabin/HMI		👍		
Remote Location Access		👍		
Optional Lift Cylinders	👍	👍		
200 Tons	👍	👍		
300 Tons	👍	👍		
Custom	👍	👍		
Optional Lift Cylinders	👍	👍		
9"	👍	👍		
13"	👍	👍		
Custom	👍	👍		
Optional Stroke Cylinders	👍	👍		
18"	👍	👍		
24"	👍	👍		
36"	👍	👍		
Custom	👍	👍		
Walking Speed-As Fast As 2fpm	👍	👍		
New Build Systems	👍	👍		
Variable Installation Options	👍	👍		
Inside Rig Substructure	👍	👍		
Pin-on System	👍	👍		
Walking Beam/Mini-Sub	👍	👍		
Retrofit Systems	👍	👍		
Low Maintenance	👍	👍		
Service	👍	👍		
Install Service	👍	👍		
Operation Support Service	👍	👍		

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