

HYDRA-SLIDE SKIDDING SOLUTIONS

Shaping the Future of Heavy Rigging



SIMPLE. VERSATILE. SKIDDING SYSTEMS

Go Ahead-Let it Slide

Hydraulic Skidding Systems provide a powerful and efficient solution for maneuvering heavy loads, offering enhanced safety and precision compared to traditional skates and rollers. As the weight of the load increases or when dealing with uneven surfaces and weight distribution, hydraulic skidding systems deliver more control and stability, minimizing the risk of accidents. Not only do these systems improve safety, but they also offer a more cost-effective alternative to costly crane transport and operations, making them the ideal choice for industries looking to move heavy loads with ease and efficiency.



Why Hydra-Slide?



Innovative Problem Solving – Problem solving is in our blood. We don't just design and manufacture specialized equipment; we help you envision new ways of solving your problems. If you need something moved, turned, or repositioned, we've got a Hydra-Slide system that will make the process easier, safer, and more efficient. We're a company built on problem solving. Let us help solve yours.



A Promise of Quality – When we talk about quality at Hydra-Slide, we're not just talking about quality in terms of our product. We're talking about quality as it pertains to every aspect of our organization. We hire quality people. We use quality materials. We deliver quality experiences to our customers. Quality—you might say—is a cornerstone of the Hydra-Slide brand.



Global Solutions – Over the years, we've had the opportunity to work with clients all across the globe. Regardless of where they call home, we've helped our clients envision solutions to complex problems and perform incredible work. Because no matter where you're located, work is work. And we're here to help our clients do more of it.

What is a skidding system?

Hydraulic skidding systems move all kinds of heavy loads - ranging from less than a ton to more than 1,000 tons - safely and simply. When it comes to heavy loads, cranes are not always the best choice for horizontal load movement. Skidding systems, also called jack and slide systems, can be a great alternative when cranes don't fit or are too expensive, or when safety is critical.



SHAPING THE FUTURE OF HEAVY RIGGING

THE BASICS

Hydraulic skidding systems all share the same three essential components:



Tracks that guide and support the skid shoes and load;



Skid shoes that sit on the track and support the load as it moves;



Hydraulic cylinders that push or pull on the skid shoes to make the whole thing work.

The principles behind hydraulic skidding systems are very simple. Suspended loads can fail due to high winds, failed rigging, miscalculation, etc. Every time that happens, it's a huge risk to personnel safety and to the load itself, not to mention that recovery is a lot of work.



THE PHYSICS

When performing a jack and slide operation, loads are never freely suspended, that's a significant safety advantage. Typically, the load would be jacked up a few inches (enough to slide the skidding system under) and then lowered onto the skid shoes. The shoes are well-supported by the tracks, and the tracks are well-supported by the ground, a floor, or some kind of blocking.



From there, the forces acting on the system are simple: the force of gravity directed downward, the push (or pull) force of the hydraulic cylinder to move the load, and the force of friction resisting the load's movement. The forces are entirely contained within the system, so no external holdbacks are required. One further benefit: all Hydra-Slide systems are designed so that the hydraulic cylinders self-reset after each push or pull stroke. After setup, the entire skidding operation is controlled from the hydraulic pump and personnel can stay well clear of the moving load.

LOW PROFILE SYSTEMS AT A GLANCE

PORTABILITY MEETS PERFORMANCE.

Low profile skidding systems allow users to perform smaller moves, 30T to 350T, in a safe and controlled manner. This range of fully hand-portable skidding systems are ideal for extreme space and clearance restrictions (a working height of 1.5" or less). The quick and simple setup allows smaller jobs to be complete quickly, and safely!

XLP30:

The newly developed XLP30 system allows users to perform smaller moves in a safe, controlled manner. This system is user-friendly, versatile, and like every Hydra-Slide product, designed with the rigger in mind.

- Capacity: Up to 30T
- Working Height: 1.125"
- Our XLP systems are entirely hand-portable, with no components weighing over 100 lbs
- System contained in a compact steel box for easy transportation



Featured Product

XLP150:

Engineered for both pushing and pulling up to 150 tons, the Hydra-Slide $^{\text{M}}$ XLP150 Extreme Low Profile skidding system reduces jacking time and is ideal for situations where overhead space or clearance is limited.

- Capacity: 250T (Push)/150T (Pull)
- Working Height: 1.25"
- Our XLP systems are entirely hand-portable, with no components weighing over 100 lbs
- System contained in a compact steel box for easy transportation



Accessories for Safe and Efficient Skidding Systems

Accessories in skidding systems are essential for maintaining safety, precision, and efficiency during the transport of heavy loads. Components like hydraulic jacks, jacking timbers, and modular stands ensure that loads are lifted and moved smoothly while keeping the equipment stable and secure. By providing necessary support and control, these accessories help prevent damage to both the load and the infrastructure, enabling successful and safe operations.



Modular Stands



Jacking Timbers

HEAVY TRACK SYSTEMS AT A GLANCE

Unmatched Strength and Precision for Massive Loads

Introducing our Heavy Track Skidding Systems, designed for the toughest load-moving tasks. Engineered with rigid steel tracks, these systems are built to carry heavy loads over unsupported spans with ease, supporting weights up to 500 tons. Despite their impressive capacity, they feature a low working height of just 8" (205mm), allowing for maneuverability in tight spaces. With quick and simple track connections, durable graphite slide surfaces, and cylinders that automatically reset, our Heavy Track Skidding Systems offer unmatched reliability and efficiency for your most demanding projects.

HT300:

The Hydra-Slide[™] HT300 Heavy Track skidding system will push up to 300 tons and is ideal for working in confined spaces where a rigid, load-carrying track is required.

- Capacity: Up to 300T
- Working Height: 7"

HT500:

The Hydra-Slide[™] HT500 Heavy Track skidding system is engineered for pushing up to 500 tons with standard double-track layout.

- Capacity: 500T
- Working Height: 8"





Featured Product

JLS250

The JLS250 are load-compensating skid shoes designed to enable our Heavy Track skidding systems to handle the heaviest and most challenging loads. These shoes increase the system's overall load capacity and allow precise control of the load's support and distribution.

- Each JLS250 shoe includes a 250-ton (227-tonne) double-acting lift cylinder
- Two pressure ports and two return ports for parallel connection to other JLS250 shoes
- Universal shoe is compatible with the HT300 and HT500 systems



POWER UNITS AND HYDRAULIC EQUIPMENT



A PROMISE OF QUALITY—FROM FABRICATION TO FIELD.

Once the track type is selected and the necessary accessories are chosen, the next crucial step in customizing your skidding system involves selecting the specialized hydraulic components that power the system's operation. Two key elements that ensure optimal performance are the power units and turntables. Power units provide the force needed to move heavy loads, while turntables enable precise direction changes, allowing for seamless maneuverability. Together, these components work in harmony to deliver a fully integrated solution that maximizes efficiency and control throughout the skidding process.

SYNCHRONOUS POWER UNITS:



Synchronous Power Units provide synchronized control of multiple hydraulic cylinders. They are suitable for operation of all Hydra-Slide Skidding Systems, Turntables, Climbing Jacks, and other double-acting jacking applications. These power units are designed with multiple independent oil circuits, providing equal flow to each line regardless of weight distribution and allowing the operator to raise or lower virtually any load equally on all points.

TURN TABLES:

Our engineered Turntables are simple and low-maintenance, and they solve a big problem: rotating any heavy or oversized load accurately and efficiently, even in areas of restricted access or clearance. Our turntables are ideal for rotating items such as transformers or generators during handling and installation, they incorporate a reversible, hydraulically powered rotating mechanism for precise control.

SPECIALIZED EQUIPMENT

Hydra-Slide's specialized hydraulic equipment is engineered to tackle the most demanding heavy load moving challenges. With innovative products designed for precise rotation, accurate load placement, and handling of awkward, oversized, or fragile loads, we offer solutions that ensure efficiency and safety for every job. Whether you're managing complex moves or delicate operations, our equipment is built to deliver exceptional performance in any situation. Complete your skidding system with other hydraulic equipment such as:

Alignment Shoes - Alignment Shoe systems make final precise positioning of a load simple and accurate

Climbing Jacks - Climbing Jacks incorporate a hydraulic cylinder inverted inside a specially designed load casing.

WHY CHOOSE SKIDDING?

SAFETY

Skidding systems offer exceptional flexibility, making them ideal for moving heavy loads in situations with limited overhead clearance or tight spaces. Unlike cranes, skidding can maneuver loads along horizontal paths, making it perfect for low-clearance environments. Skidding systems can adapt o various terrains, allowing for efficient movement in areas where traditional lifting equipment cannot operate.



COST-EFFICIENCY

One of the main advantages of skidding systems is their cost-effectiveness, eliminating the need for expensive cranes or specialized lifting equipment. Setup is simpler and requires fewer operators, reducing labor and operational costs. Since skidding equipment can be reused across multiple projects, long-term maintenance and rental fees are lower. Skidding systems are also less disruptive, saving on site preparation and downtime costs.

PRECISION & CONTROL

Skidding systems offer exceptional precision, allowing operators to move heavy loads with careful alignment. The system's slow, steady movement reduces the risk of damage to the load and infrastructure. Fine-tuned control over speed and direction enables operators to navigate complex routes or delicate installations with accuracy.





TRAINING & SUPPORT

Still have questions about skidding systems? At Hydra-Slide, being accessible and available to make sure you fully understand the operation and intended use of our equipment is of the utmost importance. Whether it's a virtual classroom, or an on-site training and safety orientation, these training sessions are tailored to your specific needs, but often include topics such as equipment operation, set-up, and safety.



USING HYDRA-SLIDE TO MOVE HEAVY LOADS

Our customers use their Hydra-Slide systems to move all sorts of heavy stuff. Crane and rigging companies, mechanical contractors, mining operations, utilities, and industrial machinery movers all rely on skidding systems for their versatility and cost-effectiveness. These systems are ideal for applications such as:



CUSTOMER SERVICE & SUPPORT

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