

▼ LH-Series, Low-Height Skidding System



Low-Height Skidding System for Heavy Loads

The Ideal Low-Height Jack & Slide Solution

- Low starting height saves time and increases versatility
- Portable design allows for easy transport and setup
- System can push or pull load without relocating skidding cylinder
- Skid track sections bolt together to allow each setup to be customized as needed
- Replaceable PTFE skid pads lower the total cost of ownership
- 2-in-1 track design for added support
- Intuitive pump controls (SFP-Series Split-Flow Pump)
- Easily reversible to change skidding direction
- Portable design for quick setup.



Skidding Systems

The Skidding System is comprised of a series of skid beams moved by hydraulic push-pull cylinders, travelling over a pre-constructed skid track.

A series of special PTFE-coated Teflon® pads are placed on the skid tracks to reduce friction. The push-pull cylinders are then connected by hydraulic hoses to our Split-Flow Pump. The Split-Flow Pump can be mounted on an optional pump cart for easy transport.

An optional storage and transport frame easily holds the equipment in between use.

▼ LH400, Low-Height Skidding System provides the service team with the ability to maneuver and transport a press frame.



▼ LH400 Skidding used to remove an old press from a facility to make room for new equipment.



Low-Height Skidding System



Low-Height Skidding Jack Starter Kit - LH400SK

A complete starter kit is available to fit the needs of any jack and slide application. This system comes with two skidding units that will support up to 400-ton in total.

This kit will get the job done, but there are optional accessories available in addition (see page 368-369).

Each skidding unit will have 1 push-pull unit, 2 skid beams and 5 skid tracks.

LH400SK Starter Kit includes:

| | Model Numbers | Qty |
|--------------------------|---------------|-----|
| Push-Pull Unit (200-ton) | LHPP25 | 2x |
| Skid Beam A (3.3 feet) | LHSB1A | 2x |
| Skid Beam B (3.3 feet) | LHSB1B | 2x |
| Skid Track (3.3 feet) | LHST1 | 10x |
| Storage/Transport Frame | LHSF | 1x |

The Split-Flow Pump (to be ordered separately) has 2 outlets and can be easily towed on the pump cart. After the job is complete, components can be stowed on the included storage frame.

LH Series



Skidding Capacity with two push-pull units:

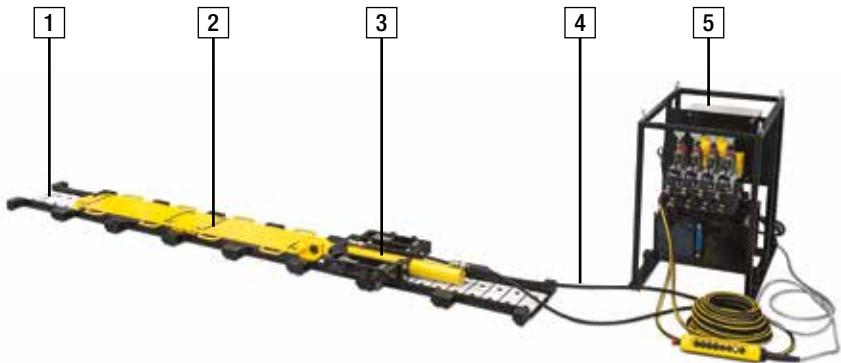
400 tons

Push-Pull Stroke:

23.62 inches

Maximum Operating Pressure:

10,000 psi

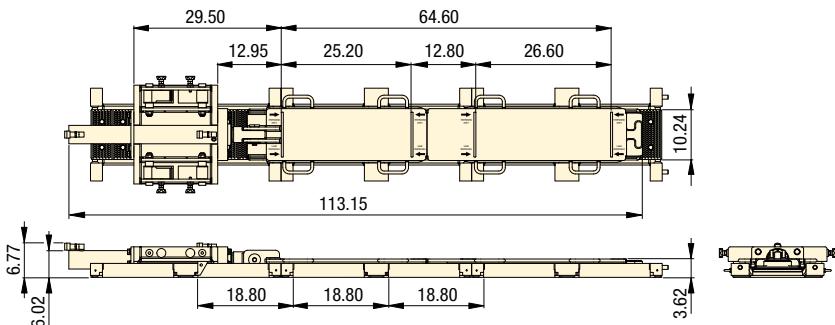


LH-Series, Low-Height Skidding System Requirements

| | | |
|-----|---------------------------------------|-----------------------|
| 1 | Skid Track LHST1 | Required |
| 2 | Skid Beam LHSB1A + LHSB1B | Required |
| 3 | Push-Pull Cylinder Unit LHPP25 | Required |
| 4 | Hydraulic Hoses | Required |
| 5 | Split-Flow Electric Pump SFP | Required |
| 6 * | Track Support | Application dependent |
| 7 * | Storage-Transport Frame LHSF | Optional |
| 8 * | Pump Cart LHPC | Optional |

* not shown

LH400, Low-Height Skidding System (dimensions in inches)



SFP-Series, Split-Flow Pumps

Split-Flow pumps distribute an equal amount of hydraulic oil to a maximum of 8 outlets. Smart valve technology allows both controlled lifting and lowering of heavy loads.

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LHPC Pump Cart

The LHPC pump cart easily tows pump around jobsite and can be used with all models of SFP-Series Split-Flow Pumps.



Hoses

Enerpac offers a complete line of high quality hydraulic hoses. To ensure the integrity of your system, specify only genuine Enerpac hydraulic hoses.

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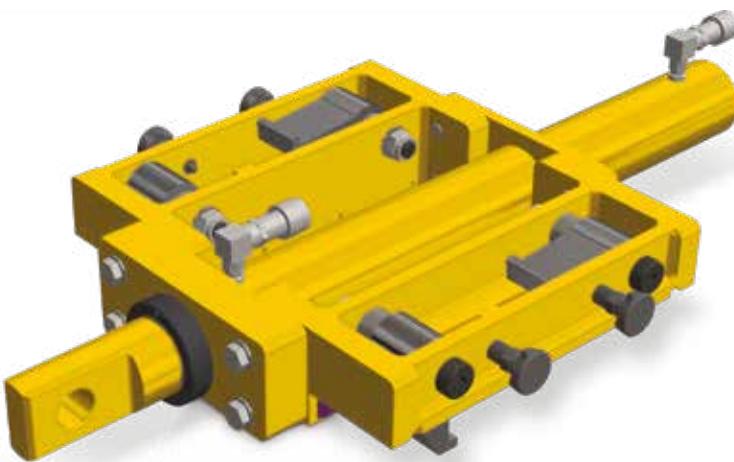


EMLS, EMV-Series, Battery-Powered Machine Skates

Position loads of up to 55-ton with this self-propelled solution designed specifically for machine movers.

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▼ LHPP25 Low-Height Push-Pull Unit



Push-Pull Unit

- Connects to first skid beam to push or pull load along skid track
- Easily reverse direction by switching reaction tabs
- Complies to ASME B30.1 and other safety standards.

▼ Low-Height Push-Pull Unit

| Maximum Capacity (tons) | | Model Number | Stroke (in) | Weight (lbs) |
|-------------------------|------|--------------|-------------|--------------|
| Push | Pull | | | |
| 25 | 11 | LHPP25 | 23.62 | 224 |

▼ LHSB1A and LHSB1B Skid Beams



Skid Beams

- Interlocks without any fasteners to slide load over skid track; skid beam A (LHSB1A) attaches to the push-pull unit skid beam B (LHSB1B) attaches to skid beam A
- Polished stainless steel skid surface
- Carrying handles for easy transport.

▼ Skid Beams

| Capacity (tons) | Model Number | Weight (lbs) |
|-----------------|--------------|--------------|
| 100 | LHSB1A | 145 |
| 100 | LHSB1B | 139 |

▼ Details of push-pull unit of LH400.



Low-Height Skidding Components

▼ LHST1 Skid Track



LH Series



Skidding Capacity with two push-pull units:

400 tons

Push-Pull Stroke:

23.5 inches

Maximum Operating Pressure:

10,000 psi

Skid Track

- Support the load for skidding operations
- Track sections bolt together
- Includes 9 pieces easily replaceable PTFE skid pads.

▼ Skid Track

| Maximum Capacity (per skid track) (tons) | Model Number | Track Length (in) | Weight (incl. pads) (lbs) |
|--|--------------|-------------------|---------------------------|
| 100 | LHST1 | 37.60 | 148 |

▼ An LH400 Skidding System allows the maintenance team to transport transformers with access limitations.



▼ Low-Height Skidding System assembly (LH400).



Teflon® Pads

A series of special PTFE coated Teflon® pads are placed on the skid tracks. The PTFE surface is matched with the skid beam and designed to achieve minimum friction coefficients. Replacement Teflon® Pads come in packs of 12 pieces. Order model number **HSKSPS1**.



Storage and Transport Frame

For easy storage and transport of all low-height skidding components.



Fits following components:

2x **LHPP25** Push-Pull Unit

2x **LHSB1A** Skid Beam A

2x **LHSB1B** Skid Beam B

10x **LHST1** Skid Tracks

| Model Number | Overall Dimensions L x W x H (in) | Weight (lbs) |
|--------------|-----------------------------------|--------------|
| LHSF | 42.52 x 36.81 x 35.24 | 441 |

With all components stored dimensions are: 42.52 x 38.81 x 39.49 inch, and total weight 2977 lbs.