

LH-Series, Low-Height Skidding System



- Low starting height saves time and increases versatility
- Portable design allows for easy transport and quick setup
- System can push or pull load without relocating skidding cylinder
- Skid track sections can be connected with fast-coupling system to allow each setup to be customized as needed
- Backwards compatible: new LHS4-2 system can be connected with previous LH400 system using the Conversion Kit LHCK
- Improved handling, transportation and storage with integrated lifting points, starter kit, skid track kits and stackable frames
- Replaceable PTFE skid pads lower the total cost of ownership
- High capacity skidding in a portable design
- Intuitive pump controls (SFP-Series Split-Flow Pump)
- Easily reversible to change skidding direction.

Low-Height Skidding System provides the ability to maneuver and transport large, heavy objects like this press frame.



Low-Height Skidding System for Heavy Loads

The Ideal Low-Height Jack & Slide Solution



Skidding Systems

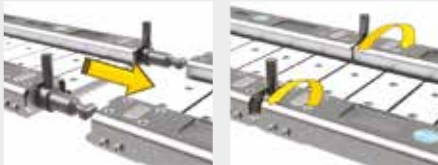
The Skidding System is comprised of a series of skid beams moved by hydraulic push-pull cylinders, traveling over a pre-constructed skid track.

A series of special PTFE-coated Teflon® pads are mounted on the skid tracks to reduce friction. The push-pull cylinders are then connected by hydraulic hoses to a Split-Flow Pump.



Skid Track Fast-Coupling System

Enerpac's LHS4-2 skid track fast-coupling system reduces assembly time for greater productivity.



The Enerpac Low-Height Skidding System allows the maintenance team to transport transformers with access limitations.



Starter Kit LHS4ST-2

A complete starter kit is available to fit the needs of many jack and slide applications.

Starter kit has 23,5 feet (2 lines) sliding length. The Skid Track Kit is max. 32,8 feet (2 lines) length.

This system comes with two skidding units that will support up to 400 tons in total.

Total skidding capacity is only achieved when the friction is less than 5%.

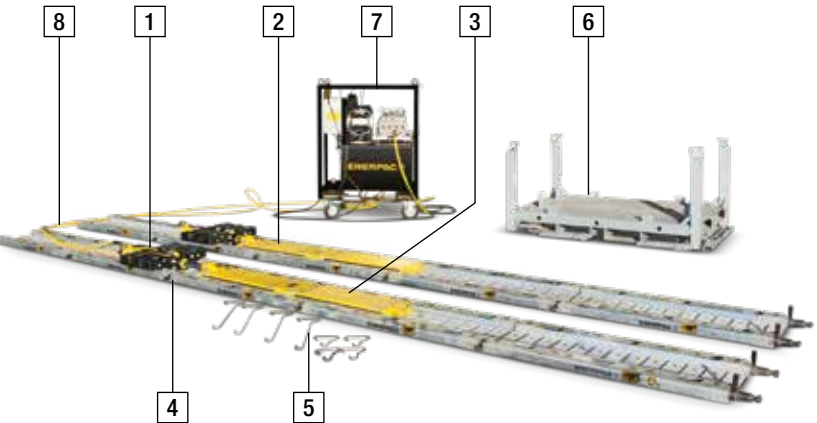
This kit will get the job done. Optional accessories available (see page 368-369).

Easy to handle, stackable transport frame. To operate the system an SFP-Series Split-Flow Pump and hydraulic hoses are required and must be ordered separately.

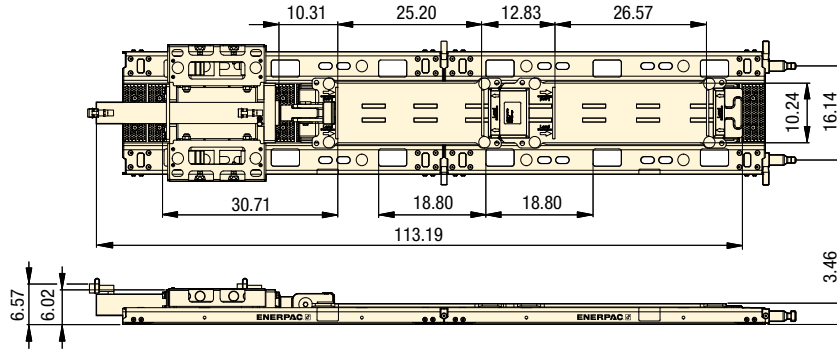


Starter Kit LHS4ST-2 includes nrs 1-6:	Model Numbers	Qty
1. Push-Pull Units (200 tons)	LHPP25-2	2x
2. Skid Beams A (3.3 feet)	LHSB1A-2	2x
3. Skid Beams B (3.3 feet)	LHSB1B-2	2x
4. Skid Tracks (4.7 feet)	LHS4TK10-2	10x
5. Handle Hooks	-	8x
6. Transport Frame	LHS4TF-2	1x
7. Split-Flow Pump *	SFP....	1x
8. Hydraulic Hoses *	HC....	4x

* Pump and Hoses must be ordered separately.



LH-Series, Low-Height Skidding System (dimensions in inches)



Low-Height Skidding System

Capacity * Skidding System (2 units) (tons)	Model Number	Capacity Skidding Unit (1x) (tons)	Maximum Cylinder Advance Force (tons)	Maximum Cylinder Retract Force (tons)	Maximum Operating Pressure (psi)
400	LHS4-2	200	25	11	10,000

* Total skidding capacity is only achieved when the friction is less than 5%.

LH Series



Skidding Capacity with two push-pull units: **400 tons**

Push-Pull Stroke: **23.62 inches**

Maximum Operating Pressure: **10,000 psi**



SFP-Series, Split-Flow Pumps

Split-Flow pumps distribute an equal amount of hydraulic fluid to a maximum of 6 outlets. Smart valve technology allows controlled lifting and lowering of heavy loads.



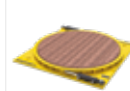
Conversion Kit LHCK

Backwards compatible: the new LHS4-2 skidding system can easily be connected with the previous LH400 low-height skidding system using the LHCK Conversion Kit.



Skidding Components

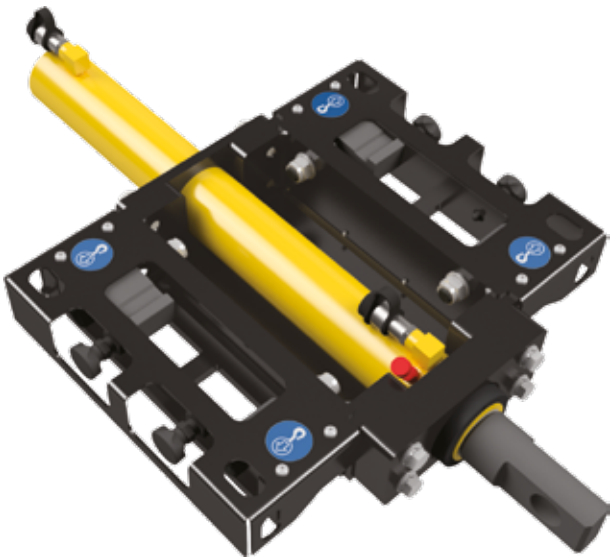
To extend the length of your skidding system additional Skid Beams, Skid Tracks and PTFE-coated Teflon® Pads are available.



Hydraulic Turntables

ETT-Series hydraulic turntables, in combination with our low-height skidding system, makes load handling in the most demanding situations easy.

LHPP25-2 Low-Height Push-Pull Unit



Push-Pull Unit

- Connects to first skid beam to push or pull load along skid track
- Cover to protect index plunger
- Integrated lifting points for improved handling
- 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	
Push	Pull		(in)	(lbs)
25	11	LHPP25-2	23.62	224

LHSB1A-2 and LHSB1B-2 Skid Beams



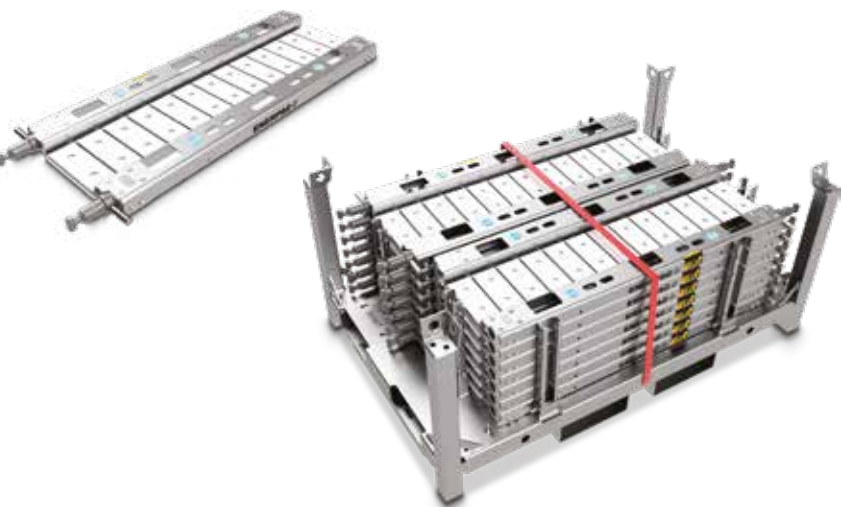
Skid Beams

- Interlocks without any fasteners to slide load over skid track; skid beam A (LHSB1A-2) attaches to the push-pull unit skid beam B (LHSB1B-2) attaches to skid beam A
- Polished stainless steel skid surface
- Lifting points & holes.

Skid Beams

Capacity (tons)	Model Number	Length (in)	
100	LHSB1A-2	38.4	148
100	LHSB1B-2	42.5	154

LHS4-2 Skid Track and LHS4TK14-2 Skid Track Kit



Skid Tracks

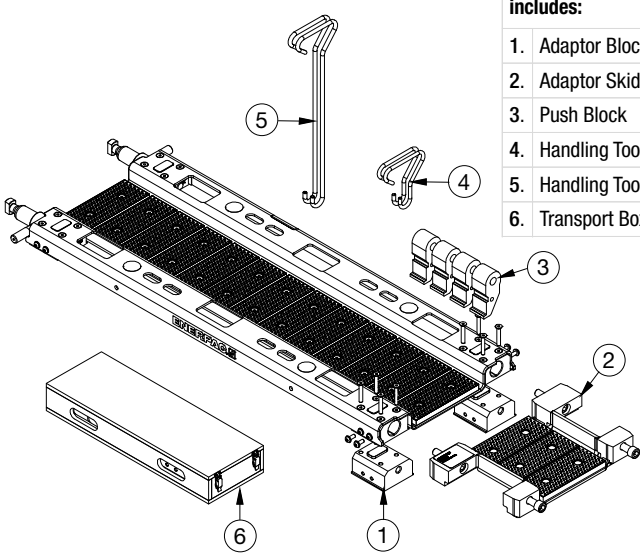
- Support the load for skidding operations
- Skid track can be connected with Fast-Coupling System
- Includes 13 pieces easily replaceable PTFE skid pads.

Skid Track Kits

Model Number Skid Track Kit	Quantity Skid Tracks *	Transport Frame **	
			(lbs)
LHS4TK4-2	4x LHS4-2	1x	1576
LHS4TK8-2	8x LHS4-2	1x	2381
LHS4TK10-2	10x LHS4-2	1x	2778
LHS4TK14-2	14x LHS4-2	1x	3583

* Skid Track Capacity 73 tons, Length 4.7 feet, 419 lbs.
** Frame L x W x H: 76 x 48 x 35 inches, 717 lbs.

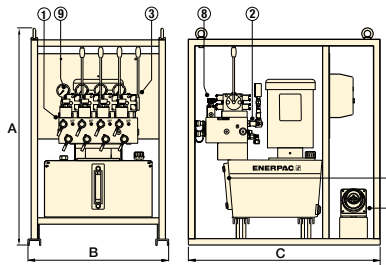
Conversion Kit LHCK



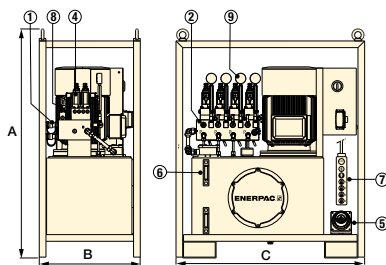
Conversion Kit LHCK includes:	Qty
1. Adaptor Block	4x
2. Adaptor Skid Track	2x
3. Push Block	8x
4. Handling Tool Short	4x
5. Handling Tool Long	4x
6. Transport Box	2x

Conversion Kit LHCK

- Provides compatibility between old and new skidding system
- Pushing and pulling possible with this transition.



SFP-Series with 10 gallons reservoir (shown with 4 split-flow outlets)



SFP-Series with 40 gallons reservoir (shown with 4 split-flow outlets)

- ① Manifold with split-flow outlets and CR400 couplers
- ② Adjustable pressure relief valve per circuit
- ③ Manual 4/3 control valves with joysticks
- ④ Solenoid 4/3 control valves (24 VDC)
- ⑤ Power socket
- ⑥ Oil sight gauge(s)
- ⑦ Remote control pendant with 16 feet cord
- ⑧ Return flow control valve in each circuit
- ⑨ Hydraulic pressure gauge in each circuit



SFP-Series, Split-Flow Pumps

For full details and options of these pumps, see

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Recommended Split-Flow Pumps

Number of Split-Flow Outlets	Usable Oil Capacity (gal)	Oil Flow per Outlet at 10,000 psi (in³/min)	Pump Model Number * 4/3 Valve Operation Advance/Hold/Retract		Motor Size 460 V, 3ph 60 Hz (hp)	Dimensions (in)			System Skidding Speed (ft/hr)
			Manual (Joystick)	24 V Solenoid (Pendant)		A	B	C	
4	10	22	SFP403MJ	SFP403SJ	3.0	40.0	25.2	38.2	15
	40	66	—	SFP409SJ	7.5	53.4	23.8	45.7	40
6	40	103	—	SFP414SJ	10.0	53.4	23.8	45.7	65
	40	95	—	SFP613SJ	15.0	53.4	31.7	47.2	65

* J = 460-480 V, 3 ph, 50-60 Hz, Change "J" in the model as follows for other options:
G = 208-240 V, 3 ph, 50-60 Hz, W = 380-415 V, 3 ph, 50 Hz.

LH Series



Skidding Capacity with two push-pull units:
400 tons

Push-Pull Stroke:
23.62 inches

Maximum Operating Pressure:
10,000 psi



Teflon® Skid Pads

A series of special PTFE coated Teflon® skid 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® Skid Pads come in packs of 12 pieces. Order model number HSKSPS1.



▲ Low-Height Skidding System Skidding used to remove an old press to make room for new equipment.