

# SL, SBL-SERIES TELESCOPIC HYDRAULIC GANTRIES

THE ULTIMATE IN SAFETY AND CONTROL



**ENERPAC** 

▼ The Enerpac SL and SBL-Series Telescopic Hydraulic Gantries



## Precision Lift and Position of Heavy Loads

The Ultimate in  
Safety and Control

### Why Choose Enerpac's Telescopic Hydraulic Gantries?

#### Highest Quality

- Enerpac adheres to the highest quality standards and maintains rigid QA manufacturing processes
- Lloyd's witness tested to 125% of maximum working load

#### Best Support

- Product training is available at our place or yours, to insure operators are fully trained prior to using the equipment
- Our global staff is available to help anywhere the equipment may be in operation

#### Proven Safety

- All Enerpac gantries comply to ASME B30.1 and other Safety Standards
- Advance technology and controls alert operator of unsafe conditions and stops gantry operations.



# Telescopic Hydraulic Gantries



## Hydraulic Gantries

Hydraulic Gantries are a safe, efficient way to lift and position heavy loads in applications where traditional cranes will not fit and permanent overhead structures are not an option.

Hydraulic Gantries are placed on skid tracks to provide a means for moving and placing heavy loads, many times with only one pick.

Enerpac offers two series of Hydraulic Gantry systems:

- The cost-effective **SL-Series Super Lift** with best-in-class control and comparable capacity utilizing telescopic cylinders offered in 2 or 3 stages

- The heavy-duty **SBL-Series Super Boom Lift** with capacities up to 10.484 kN and 3-stage lifting capability through the boom structure

All Enerpac gantries are delivered with specific properties and control systems to ensure optimum stability and safety.

### Standard Features

- Self-contained hydraulics
- Wireless Intellilift controls
- Synchronous lifting and lowering
- Self-propelled wheels or tank rollers with synchronized travel.

## SL SBL Series



Capacity (with 4 legs):

**1000 - 10.484 kN**

Lifting Height:

**4,75 - 12,0 meters**



1	Gantry Leg	Required
2	Skid Track	Required
3	Side Shift	Optional
4	Header Beam	Required
5	Lifting Anchor *	Optional
6	Intelli-Lift Controller	Included

\* In the illustration the Side Shifts are shown. However, some loads can be lifted with Lifting Anchors. For this reason a Lifting Anchor is shown.



### Intellilift

The Intellilift wireless control system is included with all Enerpac hydraulic gantries. The Intellilift controller offers superior safety and control and includes the following features:

and control and includes the following features:

- Encrypted bi-directional communication that eliminates interference from other devices
- Remote operation using multi-channel wireless (2.4 GHz) or wired (RS-485) control
- High and low speed settings
- Automatic synchronization of lifting with an accuracy of 25,4 mm (1.0 inch)
- Automatic synchronization of travelling with an accuracy of 15 mm (0.60 inch).
- Overload and stroke alarms
- Remote side-shift control
- Emergency stop switch.



# SL-Series, Hydraulic Gantries



▼ Typical SL400 configuration with Skid Tracks, Header Beams and Side-Shifts



- Built-in load holding valves to prevent drifting
- Double-acting cylinders with internal retract porting eliminate hazards to external plumbing
- SL100, SL200, SL300 and SL400N are provided with a hand crank to easily switch to free wheel mode
- SL400 utilizes same accessories as SBL-Series.



◀ SL-400 Gantry during load testing.

## SL Series

Capacity with 4 legs:

**1000 - 4000 kN**

Lift Height:

**4,75 - 9,14 meters**



### Skid Tracks

Skid tracks used for leveling and load distribution to reduce ground bearing pressure. Available in two standard lengths, 3 m and 6 m.

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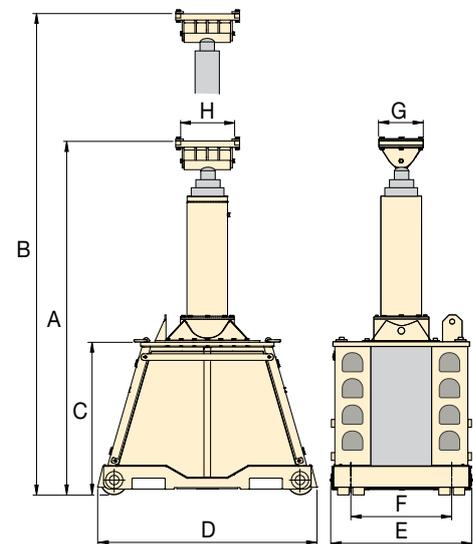


### Header Beams

Sold in pairs and includes lifting points and fork pockets for easy positioning on gantry towers.

Available in standard lengths of 8, 10 and 12 meters. Custom lengths available on request.

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Maximum Capacity (4 legs) (kN)	Model Number (4 legs)	Retracted Height A (mm)	Stage 1		Stage 2		Stage 3		Base Height C (mm)	Base Length D (mm)	Base Width E (mm)	Track Gauge F (mm)	Beam Plate Length G (mm)	Beam Plate Width H (mm)	Weight per leg (with oil) (kg)
			Max. Height B (mm)	Max. Capacity (kN)	Max. Height B (mm)	Max. Capacity (kN)	Max. Height B (mm)	Max. Capacity (kN)							
1000	SL100	2050	3400	250	4750	150	-	-	1550	1400	880	610	350	580	1735
2000	SL200	2731	4716	500	6700	340	-	-	1550	1400	880	610	350	580	2200
3000	SL300	2715	4615	750	6710	500	-	-	1900	1700	880	610	400	580	3250
4000	SL400	3166	5224	1000	7232	1000	9140	460	1378	2023	1289	914	400	580	4600
4000	SL400N	2725	4365	1000	6025	750	7700	500	1900	1700	880	610	400	580	3600

# SBL-Series, Hydraulic Gantries

▼ SBL1100 with Skid Tracks, Header Beams and Side-Shifts



- Octagonal boom: provides added strength for increased capacity and lifting height
- SBL500 has fixed boom and steel wheels
- SBL900 and SBL1100 have
  - foldable boom to enable easy transport and setup
  - tank rollers to provide optimum load distribution.



◀ Two SBL1100 gantry systems lifted the 1300 ton hydrocracker off the barge onto a SPMT Self-Propelled Modular Transporter.

## SBL Series

Capacity with 4 legs:

**5200 - 10.484 kN**

Lift Height:

**8,6 - 12,0 meters**



### Powered Side Shift

Electric propulsion controlled by standard gantry controls. Each set consists of 4 units.

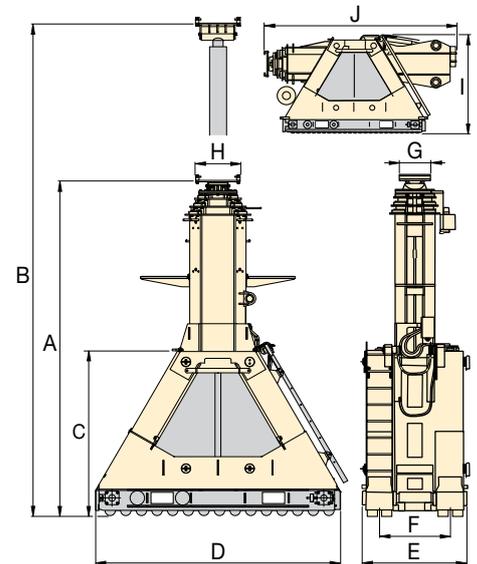
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### Lifting Anchors

Designed to transfer the load to the top of the header beam. Can accommodate a 250 ton shackle or attach directly to the lifted load.

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Maximum Capacity (4 legs) (kN)	Model Number (4 legs)	Retracted Height A (mm)	Stage 1		Stage 2		Stage 3		Base Height C (mm)	Base Length D (mm)	Base Width E (mm)	Track Gauge F (mm)	Beam Plate Length G (mm)	Beam Plate Width H (mm)	Weight per leg (with oil) (kg)
			Max. Height B (mm)	Max. Capacity (kN)	Max. Height B (mm)	Max. Capacity (kN)	Max. Height B (mm)	Max. Capacity (kN)							
5200	SBL500	3038	4998	1300	6908	1300	8618	750	1378	2023	1256	914	400	490	6880
8976	SBL900	5006	8304	2244	11.304	1481	–	–	2129	3454	1408	914	400	490	13.350
10.484	SBL1100	4370	7004	2621	9668	1689	12.002	945	2129	3454	1408	914	400	490	11.950

Transport dimensions: SBL900 Height I = 2258 mm, Overall Length J = 4317 mm

SBL1100 Height I = 2258 mm, Overall Length J = 4317 mm

## ▼ Skid Tracks



### SKID TRACKS

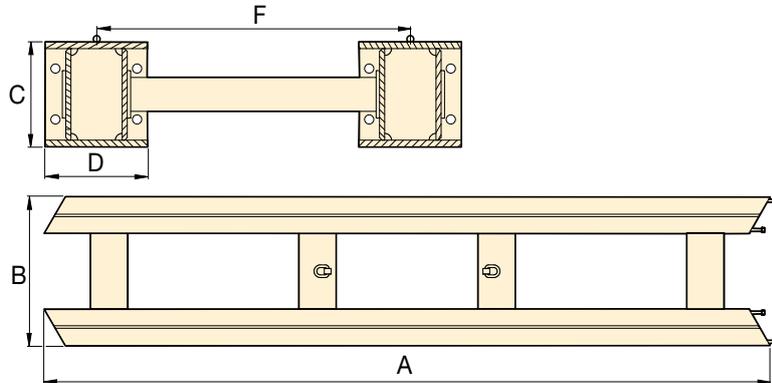
Allows for easy leveling of the gantry leg, available in two standard lengths.

- Required to support and level gantry
- Smoother travel, better load distribution
- Includes lifting eyes and/or fork pockets.



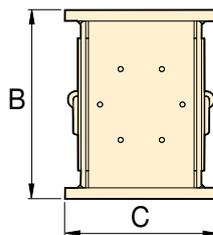
### Skid Track End-Stop

Safety device prevents over-travel.  
Order model number: **TES**

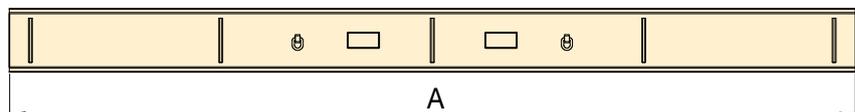


Used with Gantry Series	Model Number	Track Length	Track Width	Track Height	Track Base	Track Gauge	
		A (meters)	B (mm)	C (mm)	D (mm)	F (mm)	
SL100	<b>GST100-3</b>	3,0	810	200	200	610	420
	<b>GST100-6</b>	5,9	810	200	200	610	850
SL200, 300, SL400N	<b>GST400-3</b>	3,0	830	280	220	610	705
	<b>GST400-6</b>	5,9	830	280	220	610	1370
SL400	<b>GST1100-3</b>	3,0	1214	310	300	914	1040
	<b>GST1100-6</b>	5,9	1214	310	300	914	2030

## ▼ Header Beam



This drawing represents HBB beams, HBH beams are H-beams.



### HEADER BEAMS

Sold in pairs and includes lifting points and/or fork pockets for easy positioning on gantry legs.

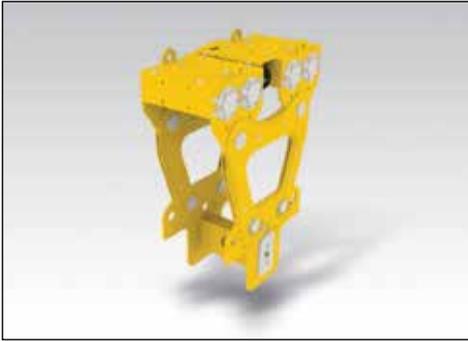
- Supplied with load chart
- Includes lifting eyes and/or fork pockets
- All gantries are designed to accept either HBH- or HBB-Series beams.

Maximum Load at Beam Center *	Model Number	Beam Length <sup>1)</sup>	Beam Depth	Beam Width	
		A (meters)	B (mm)	C (mm)	
<b>625</b>	<b>HBH6</b>	6,0	432	307	1603
<b>685</b>	<b>HBH8</b>	8,0	572	306	2365
<b>1010</b>	<b>HBB8</b>	8,0	600	480	3300
<b>800</b>	<b>HBB10</b>	10,0	600	480	4100
<b>1320</b>	<b>HBB12</b>	11,95	950	480	6468

\* Based on single point in center of beam. Consult Enerpac for load chart showing capacity off center per lifting anchor.

# Additional Gantry Accessories

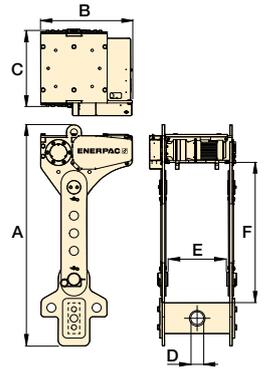
## ▼ Powered Side-Shift



## POWERED SIDE-SHIFT

Electric propulsion controlled by standard gantry controls.

- Used to shift load along header beam
- Each side-shift contains an electric drive
- Utilizes existing gantry wireless control
- Set of four includes sturdy transport frame.



Used with Header Beam	Model Number <sup>1)</sup>	Capacity per Side Shift (kN)	Motor Power (kW)	Travel Speed (cm/min)	Side Shift Height <sup>2)</sup> A (mm)	Side Shift Width B (mm)	Side Shift Depth C (mm)	Pin Hole Diameter D (mm)	Internal Width E (mm)	Internal Height F (mm)	Weight per Side Shift Unit (kg)
HBH	<b>SSU150</b>	375	0,75	50	1200	590	665	75	325	695	350
HBB	<b>SSU300</b>	750	0,75	90	1944	796	749	110	490	1235	814
HBB	<b>SSU600</b>	1500	0,75	90	1928	1400	749	145	490	1186	1500

<sup>1)</sup> Each model number includes 4x propelled unit and cable guides.

<sup>2)</sup> Custom heights available on request.

## ▼ Top Swivel Kit



## TOP SWIVEL KITS

- Mounts to top of SSU series side shift units
- Provides mounting for additional header beam
- Swivel head makes installation simple.

Used with Powered Side-Shift Model	Top Swivel Kits Model Number (includes 4 units)	Capacity per Top Swivel Unit (kN)	Capacity with 4x Units (kN)	Weight per Top Swivel Unit (kg)
SSU150	<b>TSK150</b>	375	1500	95
SSU300	<b>TSK300</b>	750	3000	230
SSU600	<b>TSK600</b>	1500	6000	705

## ▼ Sling Guide



## SLING GUIDES

- Rounded surface to protect slings from external damage
- Bolts to header beam for secure mounting.

Used with	Model Number (includes 4 units)	Sling Guide mounts to top of	Capacity per Unit (kN)	Weight per Unit (kg)
HBH-Series	<b>HBHSG</b>	Header Beam	500	98
HBB-Series	<b>HBBSG</b>	Header Beam	2500	165
SSU150-Series	<b>SSG150</b>	Side-Shift Unit	375	23
SSU300-Series	<b>SSG300</b>	Side-Shift Unit	750	75
SSU600-Series	<b>SSG600</b>	Side-Shift Unit	1500	77

## ▼ Control Panel and Cable Reels for SSU-Series Side-Shifts (controls side-shift unit separate from gantry controls)

Description (for use with SSU-Series Powered Side-Shifts)	Model Number	Cable Length (m)	Set	Weight per Unit (kg)
Control Panel *, 380-400 VAC, 50 Hz	<b>SSPW</b>	25	—	175
Control Panel *, 460-480 VAC, 60 Hz	<b>SSPJ</b>	25	—	175
Side-Shift Cable Reels	<b>SSCR-1</b>	20	4	50

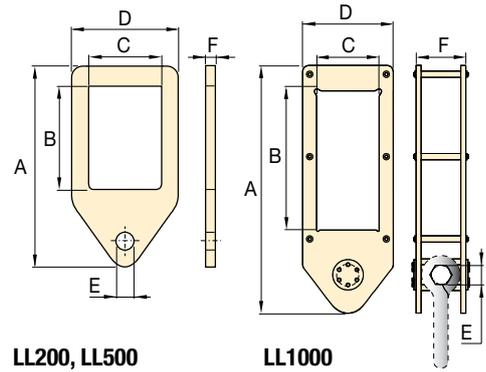
\* With remote control panel.

## ▼ Lifting Anchor



## LIFTING ANCHORS

- Transfer load to the top of the header beam
- Used to attach rigging to header beam
- Manually spaced to desired location.



LL200, LL500

LL1000

Used with Header Beam	Model Number	Capacity per Anchor (kN)	Anchor Height	Beam Hole Depth	Beam Hole Width	Anchor Width	Pin Hole Diameter	Anchor Depth	(kg)
			A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	
HBH	LL200	500	925	582	320	420	75	30	40
HBB	LL500	1250	1955	1100	490	710	205	40	220
HBB	LL1000 *	2500	1955	1100	490	710	130	428	600

\* LL1000 is built with two LL500 plates connected together and designed to use heavy-duty shackle (not included)

## ▼ Slings



## SLINGS

- Lightweight and flexible
- Safe and easy to handle
- Reduces wear on painted surfaces
- Durable construction
- Heat-resistant and non-conductive
- Available with added HMPE wear protection where needed.

## ▼ Slings (endless grommet)

Capacity (kN)	Length (metres)	Sling Model Number
180	2	EGS18-2
	4	EGS18-4
	6	EGS18-6
390	2	EGS39-2
	4	EGS39-4
	6	EGS39-6
1120	6	EGS112-6
	8	EGS112-8
	10	EGS112-10
2510	6	EGS251-6
	8	EGS251-8
	10	EGS251-10

## ▼ Shackles



## SHACKLES

- Green Pin® Brand Shackles
- Standard bow shackle with safety pin
- Other styles available upon request.

## ▼ Shackles

Capacity (kN)	Shackle Model Number
170	GPS17
350	GPS35
1500	GPS150
2500	GPS250

# Additional Gantry Accessories



For  
**SL**  
**SBL**  
Series



## ▼ Azobe Wood Track Timbers



## ▼ Timbers and Steel Plate Accessories

Used with Gantry	Model Number	Material	Dimensions (mm)			Description
			L	W	H	
All Gantry Series	<b>STAWTF</b>	Transport Frame for Azobe Timbers	1540	1040	1365	Frame for 100 pieces
	<b>STAW100</b>	Azobe Wood Track Timbers	1500	100	100	Includes 100 pieces
	<b>STSP500</b>	Steel Shimming Plates	300	300	1,0	Includes 500 plates

## ▼ Power Distribution Box

Includes one 63A inlet with mating connector and two 32A outlets.

Used with Gantry	Power Distribution Box Model Number	Description
All SL and SBL-Series	<b>PDB32W</b>	380-400 VAC, 50 Hz
	<b>PDB32J</b>	460-480 VAC, 60 Hz

## ▼ Tarpaulin Covers



## ▼ Tarpaulin Covers for storage.

Not designed for open road transport.

Used with Gantry	Tarpaulin Cover Model Number	Description
SL100	<b>TCSL100</b>	Protects gantry from indoor and outdoor elements during storage
SL200	<b>TCSL200</b>	
SL300	<b>TCSL300</b>	
SL400N	<b>TCSL400N</b>	
SL400	<b>TCSL400</b>	
SBL500	<b>TCSBL500</b>	
SBL900	<b>TCSBL900</b>	
SBL1100	<b>TCSBL1100</b>	



**Transformer Installation with a Hydraulic Gantry**



**Hydraulic Boom Gantry Safely Transports 120 Ton Machine Bed**



**Removal of Decommissioned London Tube Trains with a Hydraulic Gantry**



**Transporting a 1200 Ton Hydraulic Press to the Second Floor with a Hydraulic Gantry**



**Turbine Lift and Load-in at Shipping Port**



**Turbine and Generator Installation at a new Power Plant in Libya**



**Assembling an Offshore Platform Oil Rig Module**



**Offloading a 1300 Ton Hydrocracker**



**Generator Installation at the Owen Springs Power Station**

# Enerpac's Custom Heavy Lifting Solutions

## EXPERIENCE and EXPERTISE

With more than 60 years of experience, Enerpac has gained unique expertise in delivering hydraulic solutions for the controlled movement and positioning of heavy loads. This expertise has been acknowledged by the world's leading industrial professionals and has contributed to the successful movement of a number of the most recognizable structures on earth.

In addition to providing the most comprehensive line of globally-supplied, locally supported products, Enerpac combines hydraulics, steel fabrication and electronic control with engineering and application knowledge, to design and manufacture solutions that ensure your projects are completed safely and efficiently.



### STEEL FABRICATION

In our dedicated facility for steel fabrication and welding, we design and manufacture custom structures used in demanding heavy-lifting applications.



### HYDRAULIC POWER UNITS

Enerpac designs, assembles and tests small to large hydraulic power units in-house. Power units range from 0,5 to 240 kW and are tested with the system they are intended to operate.



### ELECTRONICS

Enerpac designs all control systems in-house. This capability keeps control technology close to the design engineers who are developing the rest of the system. In doing so, we can tailor the control system to match unique project requirements.



### MACHINING

Enerpac utilizes the latest in CNC machining technologies and manufactures all large and special hydraulic cylinders in-house. We can machine diameters up to 1270 mm with lengths to 6 metres.



### ENGINEERING

Enerpac's multi-disciplined, Heavy Lifting Technology team is capable of the design and development of all aspects of an integrated system. Leveraging design and application experience with the latest in methodologies, computer design, rapid prototyping and analysis ensures delivery of the highest quality.



### FIELD SUPPORT

Enerpac's Heavy Lifting Technology team is available to provide on-site support including training and troubleshooting of systems. Enerpac also stocks repair parts and consumable items at several locations to ensure fast delivery for minimal downtime.



### MAINTENANCE and REPAIR

Due to the unique nature of Enerpac's Heavy Lifting Technology systems, we offer complete maintenance and repair services. Our M&R group is available to assist customers who do not have access to local service facilities qualified to work on these systems.



# LIFTING SYSTEMS

We design and manufacture heavy lifting equipment. For more than 60 years, we've combined high pressure hydraulics and controls to deliver intelligent and innovative solutions that maintain the highest level of quality, reliability and safety. We will be your supplier and partner; we will support you throughout the entire life of your project, your success is ours.

## Heavy Lifting Technology



SFP-Series,  
Split-Flow Pumps



EVOB-Series, Basic  
Synchronous Lifting Systems



EVO-Series, Standard  
Synchronous Lifting Systems



SCJ-Series,  
Self-Locking Cube Jacks



JS-Series  
Jack-Up Systems



SL, SBL-Series,  
Telescopic Hydraulic Gantries



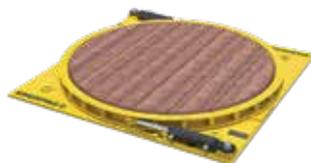
HSL-Series,  
Strand Jack Systems



SHS, SHAS-Series,  
Synchronous Hoisting Systems



LH, HSK-Series  
Skidding Systems



ETT-Series, Turntables



ETR-Series, Trolley Systems



SPMT-Series, Self-Propelled  
Modular Trailers