



SOUTHERN INTERNATIONAL  
PROFESSIONAL ENGINEERING

# OFFERING STANDARD AND CUSTOMIZED **LIFTING PRODUCTS** FOR ANY APPLICATION



**BETTER PRICING**

**QUICK DELIVERY**

**CUSTOMIZED PRODUCTS**

**LIFTING AND SPREADER BEAMS**

**C – HOOKS/COIL LIFTERS**

**ROLL & PALLET LIFTERS**

**BULK BAG & DRUM LIFTERS**

**FORKLIFT ATTACHMENTS**

**TONGS AND CLAMPS**

THE RIGHT COMPANY WHEN YOU NEED A LIFT

A DIVISION OF SAFETY CLAMPS INC.



# SOUTHERN INTERNATIONAL PROFESSIONAL ENGINEERING CAN ENGINEER A SOLUTION TO YOUR LIFTING REQUIREMENTS

When you need a qualified resource to assist with your manufacturing or lifting requirements, SIPE is the company you turn to. We are a minority-owned business staffed by licensed professional engineers with over 80 years of experience offering a full line of standard and customized lifting products and automated production tools. No job is too difficult or unusual because our experience includes work in a broad variety of Industry segments. Whether you need the lifting device or just the lifting analysis and plan, SIPE is the right choice.

We specialize in designs and products made to customer

specifications and particular job applications. Producing superior lifting devices and designs by experienced American professional engineers and craftsmen, supported by a responsive, friendly and accessible customer service team is the core of who we are.

Our product potential and capabilities extend far beyond the selections offered in this catalog. If you don't see what you need, simply give us a call or fill out the RFQ form on page 13 and email it to us. We will gladly quote it for you in a timely manner. We understand that response time wins orders and delivery time wins customers!

## ALL PRODUCTS ARE CODE COMPLIANT

SIPE is compliant with ASME, AISC, AISI, ASTM, AWS, NEC, NEMA, OSHA, and SAE Codes.



**PRODUCED IN THE  
UNITED STATES**

We proudly comply with the Presidential Executive Order and Federal Trade Commission requirements for the "Produced in the United States" designation.

## PRODUCT WARRANTY

Southern International Professional Engineering, L.L.C. (SIPE) is incorporated in Florida, with offices at 6015 Chester Avenue, Suite 210, Jacksonville, FL 32217. SIPE is the "Warrantor" of the product manufactured under its namesake. The warranty includes all workmanship in the manufacture, assembly and packaging of its finished products. Unless stated otherwise, all SIPE products are given a warranty period not to exceed two (2) years from the date of delivery to the customer.

## THE WARRANTY IS VALID DURING THE WARRANTY PERIOD, WITH THE FOLLOWING CONDITIONS

- 1) At the sole discretion of the Warrantor, this warranty will replace or repair any SIPE product declared defective due to materials or workmanship at no cost to the customer.
- 2) Warranty is voided should the product be operated beyond that which is stated in the operations manual, or the product is abused or not maintained.
- 3) Defects must be declared within the warranty period.
- 4) Written notice of any defect must be sent to SIPE via certified mail within the warranty period.
- 5) Customer is responsible for shipment costs, should the product be repaired or replaced by SIPE.
- 6) Customer must acquire a material return authorization (MRA) prior to returning any SIPE product. The product nameplate/identifier must be intact and readable for product verification.
- 7) Warranty is non-transferable.

## NOTICE OF EXCLUSION OF WARRANTY

Southern International Professional Engineering has herein set forth in conspicuous language an exclusion of any warranty either expressed or implied, which is not specifically and particularly contained herein. Please refer to that statement for representations and warranties of products manufactured by Southern International Professional Engineering.



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## SIPE DESIGN CRITERIA

- The ASME BTH-1 Standard addressing the structural and mechanical design criteria for below-the-hook lifting devices. Unless otherwise specified, all SIPE devices are designed using Design Category B and Service Class 2.
- The ASME B30.20 Standard pertaining to the fabrication, testing, inspection, installation, operation and maintenance of Lifting, Material Handling and below-the-hook Devices.
- AWS (welding) per D14.1 is followed for joint design as required in this design specification.
- AISC is followed for member sizing and structural analysis approaches. All bolted joints and welding criteria are also addressed within this code.
- Where special analysis is required, recognized texts and classical analysis techniques will be used.
- SIPE provides an operating manual defining the proper use and limitations associated with each product.

## OTHER SIPE CRITERIA

- All materials shall meet A36 or A572 GR. 50, A500 GR.B and A513 steel strength. Certification sheets are supplied with all material used.
- Welding is performed with certified welders using E90 or better electrode.
- All designs are backed up with a complete analysis that is kept on file at SIPE.
- A safe, high quality product is the primary design objective ensuring years of service.
- All materials and labor are "Produced in the United States" and meet Federal Trade Commission rules for made in USA content.

## CUSTOMER CRITERIA

- Fill out and email the RFQ Form on page 13 to [info@southerninternationalpe.com](mailto:info@southerninternationalpe.com) to assist in an efficient quoting process.
- Capacity and basic dimensions to be provided. All special loading or lifting conditions shall be noted.
- Special interface (upper and lower) accessories and requirements shall be defined.
- Call us to discuss. Any and all job specific information up front that will assist in designing the correct tool for the job and minimize quoting delays.



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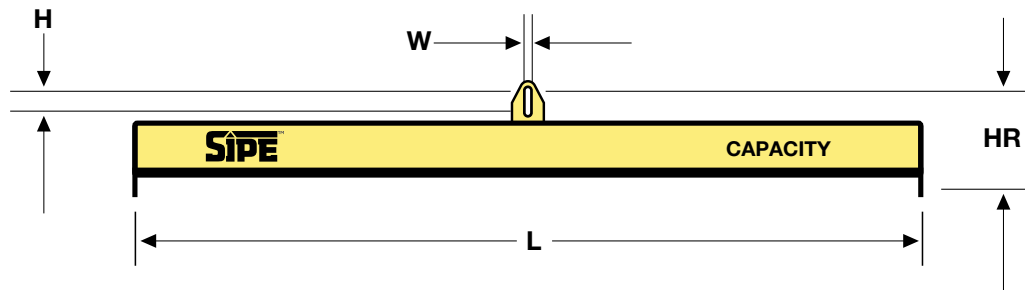
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**Disclaimer:** All product designs are subject to change without notice. Product pictures in this catalog are a representation of a specific design. The product you purchase will be designed for your specific application and may not look exactly like the picture in this catalog.



## MODEL LBF

## LIFTING BEAMS (FIXED POSITION)



**Lifting Beams** have single upper lift points that are well-suited to lighter, shorter span lifts that have a limited headroom requirement, such as in smaller manufacturing shops or storage

type facilities. Every Beam is engineered to be user friendly with the highest standards of safety and durability. The data table below lists the basic standard lifting beam offering.

- A wide range of sizes, dimensions, capacities and configurations are available upon request.
- Refer to the Beam Options on page 6 for additional accessories and capabilities.
- Beam profiles vary based on capacities.

MODEL*	CAPACITY (tons)	LENGTHS (L)** (ft.)	HEADROOM (HR) (in.)	LIFT BAILE*** W x H (in.)	WEIGHT**** (lbs. @ max. L)
LBF025	1/4	4-6-8-10	8	1.00 x 2.25	30
LBF050	1/2	5-6-8-10-12	10	1.25 x 2.75	90
LBF1	1	5-6-8-10-12	12	1.25 x 2.75	210
LBF2	2	8-10-12-20	14	1.25 x 3.25	480
LBF3	3	8-10-12-20	16	1.50 x 4.00	650
LBF4	4	8-10-12-20	18	2.00 x 4.75	730
LBF5	5	8-10-12-16-20-24	20	2.25 x 4.75	1,250
LBF8	8	8-10-12-16-20-24	22	2.50 x 6.00	1,575
LBF10	10	8-10-12-16-20-24-30	24	2.50 x 6.25	2,625
LBF12	12	8-10-12-16-20-24-30	26	2.75 x 7.00	4,150
LBF15	15	10-12-16-20-24-30	28	2.75 x 7.50	4,775
LBF20	20	10-12-16-20-24-30-40	30	3.50 x 9.00	5,700
LBF25	25	12-16-20-24-30-40	32	3.50 x 12.00	6,800
LBF30	30	12-16-20-24-30-40	34	3.75 x 13.00	7,875
LBF40	40	20-24-30-40	36	4.50 x 15.00	9,800
LBF50	50	20-24-30-40	38	4.75 x 17.00	12,000
LBF75	75	20-24-30-40	40	4.75 x 17.00	15,800
LBF100	100	20-24-30-40	42	6.00 x 18.00	20,300
LBF125	125	20-24-30-40	45	6.50 x 18.50	24,000

\* Model Number Code: LB = Style (Lifting Beam), followed by capacity and then length.

\*\* Lengths (L): expressed in a range of standard lengths available.

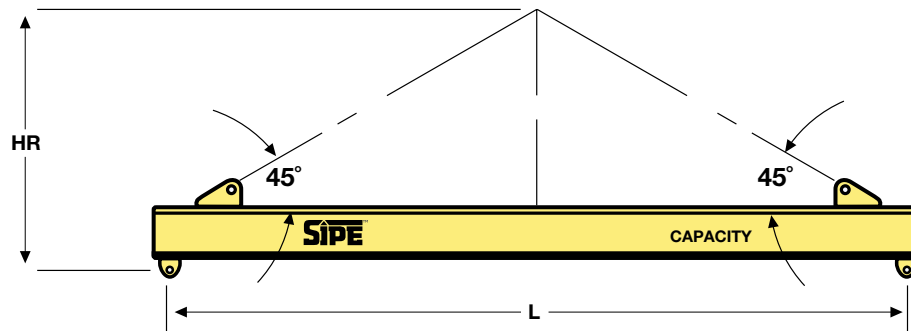
\*\*\* Lift Bail: Lower Bail hole dia. per Crosby Shackle sizes by capacity.

\*\*\*\* Weight: shown for the maximum length (L) in range.

2000 lbs. = 1 Ton. 2205 lbs. = 1 (metric) tonne.

# MODEL SBF

## SPREADER BEAMS (FIXED POSITION)



**Spreader Beams** efficiently distribute the weight of a load between two lifting points and are effective at lifting loads with large spans where headroom is not limited. They add a measure of stability and are ideal

for lifting heavy duty loads. Every Beam is engineered to be user friendly with the highest standards of safety and durability. The data table below lists the basic standard, fixed position, spreader beam offering.

- A wide range of sizes, dimensions, capacities and configurations are available upon request.
- Refer to the Beam Options on page 6 for additional accessories and capabilities.
- The actual spread of the lower Lugs will be slightly less than the length of the beam.
- Designed for a 45° Sling Angle. 30° to 60° available on request.
- Complies with ASME Standards.
- Rigging available on request.

MODEL*	CAPACITY (tons)	LENGTHS (L)** (ft)	HEADROOM (HR) (in.)	LIFT BALES*** (hole dia.) (in.)	WEIGHT**** (lbs. @ max. L)
SBF025	1/4	4-6-8	57-5/8	0.313 / 0.313	40
SBF050	1/2	4-6-8	57-5/8	0.375 / 0.313	50
SBF1	1	4-6-8-10-12	86-7/16	0.500 / 0.375	65
SBF2	2	4-6-8-10-12	86-7/16	0.750 / 0.500	105
SBF3	3	8-10-12-16-20	144	1.000 / 0.625	300
SBF4	4	8-10-12-16-20	144	1.000 / 0.750	350
SBF5	5	10-12-16-20-24	172-3/4	1.125 / 0.875	425
SBF8	8	10-12-16-20-24-30	216	1.250 / 1.000	500
SBF10	10	12-16-20-24-30	216	1.375 / 1.000	575
SBF12	12	12-16-20-24-30	216	1.500 / 1.125	625
SBF15	15	16-20-24-30-40	288	1.750 / 1.250	950
SBF20	20	16-20-24-30-40	288	2.250 / 1.375	1,200
SBF25	25	16-20-24-30-40	288	2.250 / 1.500	1,250
SBF30	30	16-20-24-30-40	288	2.500 / 1.750	1,325
SBF40	40	16-20-24-30-40	288	3.000 / 2.250	1,400
SBF50	50	16-20-24-30-40	288	3.000 / 2.250	1,500

\* Model Number Code: SB = Style (Spreader Beams), followed by capacity and then length

\*\* Lengths: Shown in a range of standard lengths available.

\*\*\* Lift Bales: Lifting holes for "Upper/Lower" sling rigging are based on Crosby® shackle sizes.

\*\*\*\* Weight: Shown is for the maximum length (L) in the range.

2000 lbs. = 1 Ton. 2205 lbs. = 1 (metric) tonne.



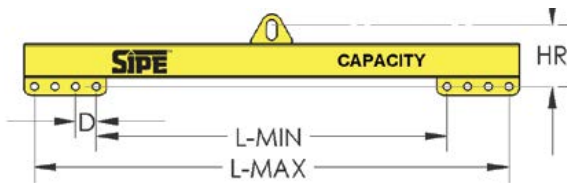
## MODEL LBA AND SBA

**Adjustable Lifting and Spreader Beams** are versatile lifting devices offering multiple upper and lower lifting points capable of handling various size loads and unbalanced loads. The illustrations below display the standard

## LIFTING/SPREADER BEAMS (ADJUSTABLE POSITION)

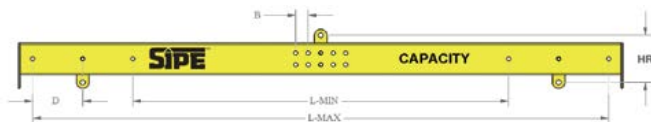
adjustable lifting and spreader beam models available. Choose a model that best fits the specific job application and provide the lengths, spreads, number and configuration of adjustment positions and capacity desired.

### LIFTING BEAMS ADJUSTABLE



**Model LBA-MH**

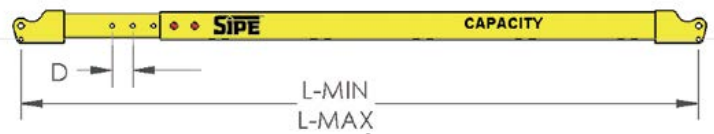
Lifting Beam, Adjustable, Multi-Hole



**Model LBA-SB**

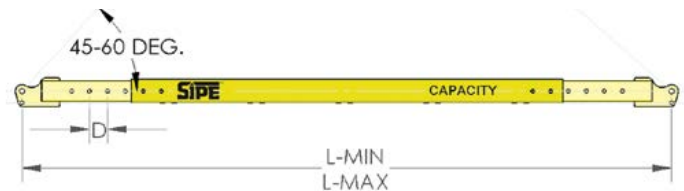
Lifting Beam, Adjustable, Sliding Bale

### SPREADER BEAMS ADJUSTABLE



**Model SBA-T**

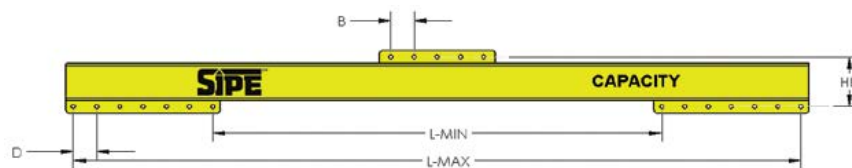
Spreader Beam, Adjustable, Telescoping



**Model SBA-DT**

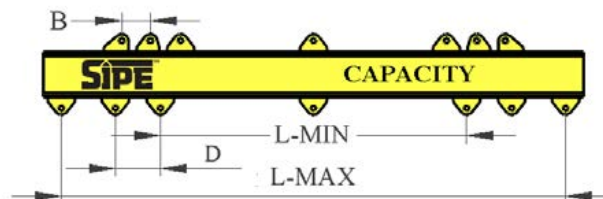
Spreader Beam, Adjustable, Dual Telescoping

### LIFTING/SPREADER BEAMS ADJUSTABLE



**Model LSBA-MH**

Lifting/Spreader Beam, Adjustable, Multi-Hole



**Model LSBA-MB**

Lifting/Spreader Beam, Adjustable, Multi-Bale









# BEAM OPTIONS & SPECIFICATIONS

## ACCESSORIES:






- Slings (chain, fabric, wire rope)
- Hooks (fixed, rotatable, bent bar, safety latches)
- Links (eye bolt, lok-a-loy, master link, chain)
- Eyes (fixed, rotatable)
- Quick release mechanisms (manual or remote)

## BEAM PROFILES:

- I-Beam 
- Rectangular 
- Square 
- Back-to-back Channel 
- Round 
- Plate 

Unless specifically requested otherwise, the most economical beam profile will be selected based upon the structural analysis using the ASME BTH-1 standard.

## BEAM BALES:

- Simple Shackle 
- Integrated-External Slip-on 
- Thru-beam 
- Tear Drop 
- Oval 
- Sling 
- Basket Hitch (sling) 
- Multi-Hole Plate 

## INTEGRATION:

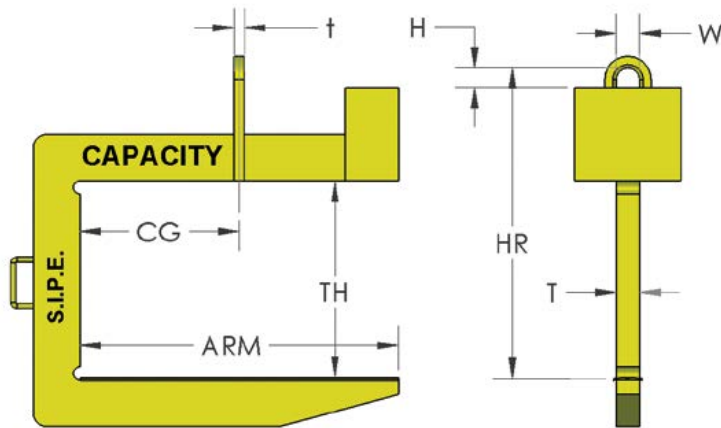
- Electrical Power
- Pneumatic/Hydraulic Power
- Pneumatic Vacuum
- Magnetic Lifters
- Outriggers for multi-pick points
- Special mechanical operations
- Remote Control Operations with automation (Bluetooth)



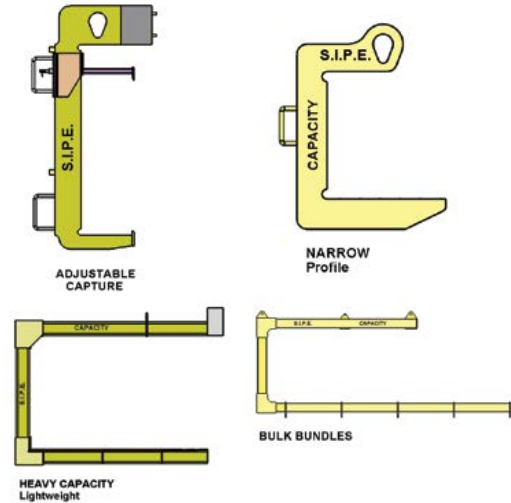


## MODEL CH

## C - HOOKS/COIL LIFTERS



### OPTIONS



**C-Hooks** are designed to lift and manipulate coils that are laying where the bore is horizontal to the ground. The data table below lists the basic standard style C-Hooks. For styles or

configurations not offered here, contact our knowledgeable and friendly sales team for a timely quote.

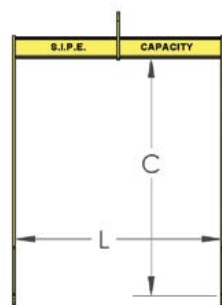
- Cut from high strength, low alloy steel plate.
- Counterweighted to remain level when loading and unloading.
- Stress relieving Corner Radii strategically placed to maximize service life.
- Beveled Lifting Arm to minimize potential coil damage.
- Tapered end for ease of entry into the coil I.D.
- Safety Curved Guide Handle assists in insertion and removal.
- Storage racks, Saddles, end stops and replaceable wear pads are available upon request.

MODEL	CAPACITY (tons)	ARM (in.)	TH (in.)	HR (in.)	T (in.)	W (in.)	H (in.)	t (in.)	CG (in.)	WEIGHT (lbs.)
CH025-36-36	1/4	36	36	48	3/4	1-1/4	3	1/2	18	168
CH050-48-48	1/2	48	48	60	1	1-1/4	3	1/2	24	354
CH075-60-60	3/4	60	60	72	1-1/2	1-1/4	3	3/4	30	412
CH1-48-60	1	48	60	72	1-1/2	1-1/4	3-1/2	1	24	533
CH1-60-60	1	60	60	72	1-1/2	1-1/4	3-1/2	1	30	716
CH1.5-48-48	1-1/2	48	48	60	2	1-1/4	4	1	24	941
CH1.5-60-60	1-1/2	60	60	72	2	1-1/4	4	1	30	1028
CH2-48-48	2	48	48	60	2	1-1/2	4	1-1/4	24	1207
CH2-60-60	2	60	60	72	2	1-1/2	4	1-1/4	30	1324
CH3-48-48	3	48	48	60	3	1-1/2	5	1-1/2	24	1811
CH3-60-60	3	60	60	62	3	1-3/4	5	1-1/2	30	1986
CH5-60-60	5	60	60	75	4	2	6	1-1/2	30	3198
CH8-72-72	8	72	72	85	4	2-1/4	6-1/2	1-1/2	30	5066

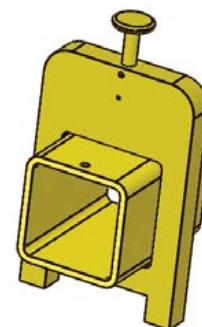
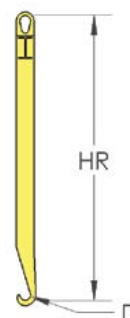
For dimensions and other requirements not offered here, please contact our knowledgeable sales team for a quick quote based upon the specific job application.

## MODEL RLF

Fixed position **Roll Lifters** are designed to safely lift rolls by securely hooking onto the mandrel that runs through the I.D. of the roll. Provide capacity, dimensions L, C, & D, along with the crane hook capacity (used to calculate bale size) or crane hook dimensions for Lifter sizing and quoting. Adjustable width, pivoting arms and many other designs are available by request.



## ROLL LIFTERS



- Ideal for limited headroom applications.
- Fail-safe design on Lift Arm and Bail.

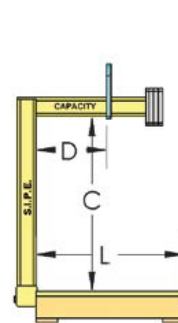
Adjustable arm width design (optional)

## MODEL PLF

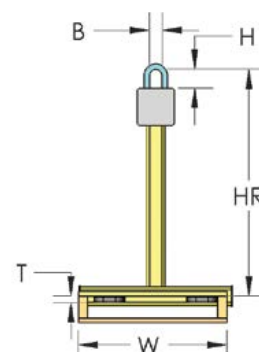
**Pallet Lifters** offer the ability to lift and move pallets with a crane in applications where a forklift or pallet jack are not available or capable. The data table below illustrates the basic standard style Pallet Lifter, Fixed Position. Other adjustable position models can be quoted per specific job application requirement. Simply call out the fork spreads, service height, capacity, adjustability features and/or any other option desired for a timely quote.

MODEL	CAPACITY (tons)	L (in.)	W (in.)	C (in.)	HR (in.)	D (in.)	T (in.)	B (in.)	H (in.)
PLF1	1	42	36	50	66	24	2	1-1/4	2-1/2
PLF2	2	42	36	50	68	24	2	1-3/4	2-3/4
PLF3	3	42	36	50	72	24	2-1/2	2	3

## PALLET LIFTERS



Model PLF



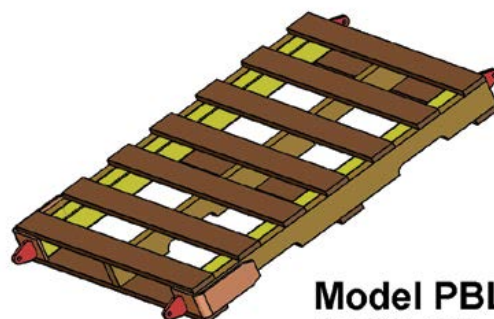
- Remains level when unloaded.
- Safety Curved Guide Handle assists in insertion and removal.
- Tapered fork ends for ease of operation.

## MODEL PBL

**Pallet Bar Lifters** are a simple and inexpensive method of attaching standard 48" x 48" pallets to cranes. By sliding the Bars into the pallet and attaching slings to each end, the pallet can be easily and safely hoisted and manipulated. When not in use, they require minimal storage space.

MODEL	CAPACITY (tons)
PBL1	1
PBL2	2
PBL2.5	2-1/2

## PALLET BAR LIFTERS



Model PBL  
4x4 PALLET

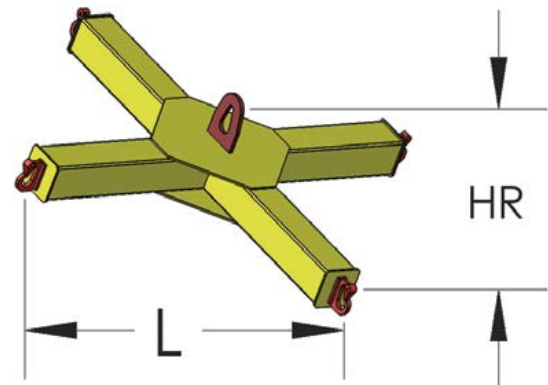


## MODEL BBL

**Bulk Bag Lifters** are designed to safely lift and manipulate bulk container bags. Construction consists of Rectangular Tube cross sections, a reinforced steel plate Main Connection with a fail-safe lift lug design and heavy duty safety latch hooks.

MODEL	CAPACITY (tons)	L (in.)	HR (in.)	WEIGHT (lbs.)
BBL050-36	1/2	36	8	50
BBL1-36	1	36	8	65
BBL1-42	1	42	8	98
BBL1.5-36	1-1/2	36	10	90
BBL2-36	2	36	10	115
BBL2-42	2	42	10	165
BBL2.5-48	2-1/2	48	12	190

## BULK BAG LIFTERS



**Model BBL**

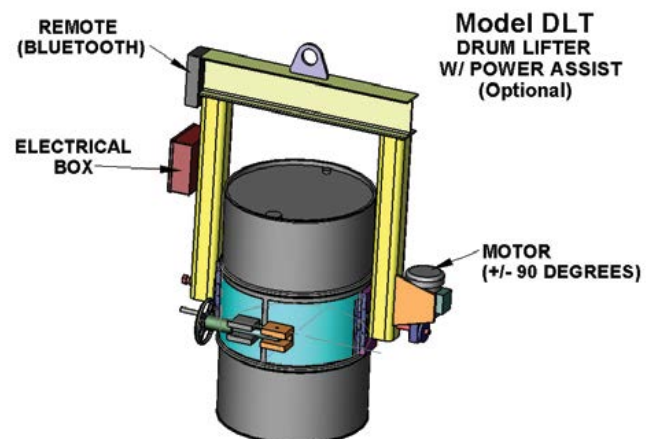
- Minimizes headroom requirement
- Safety latched hook connection system

## MODEL DLS

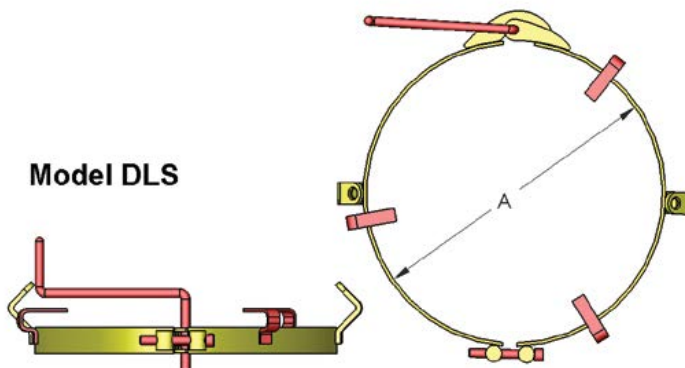
**Single Drum Lifters** are used to vertically lift and manipulate steel drums. The unlocked device is lowered around the exterior of the drum until the alignment stops bring it to rest just below the lip. By activating the cam locking arm a secure friction grip is created by squeezing as well as utilizing the lip of the drum as a built in catch.

- Fail-safe Pin Latch prevents accidental unlocking.
- Other designs, multiple Drum Lifters, Tilting and automated designs available upon request.
- Optional Model DLT illustrated to the right.

## DRUM LIFTERS



**Model DLS**



## MODEL FA

**Forklift Attachments** are devices designed to attach loads to forklifts for the purpose of efficiently lifting, manipulating and transporting. They make forklifts more versatile and are ideal for jobs where a crane is not available or practical. There are many different

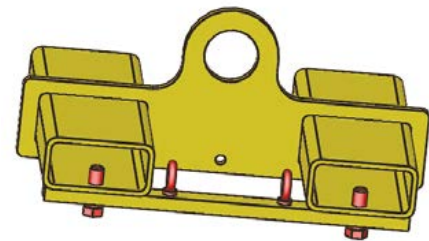
## FORKLIFT ATTACHMENTS

style devices that fall into this category. Shown below is a sampling of popular attachments manufactured to customer specifications. For specific forklift attachment requests, please contact our knowledgeable and friendly sales team for a timely quote.



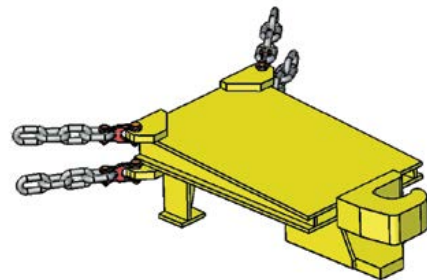
**Model FA-RCH**

Forklift Attachment Rotating C-Hook



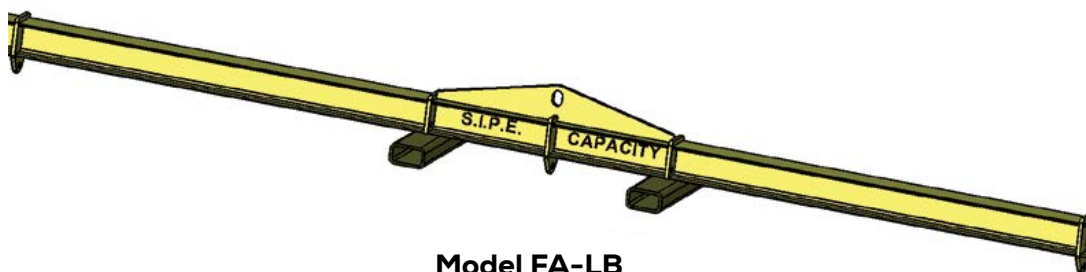
**Model FA-CL**

Forklift Attachment Center Lift



**Model FA-RP**

Forklift Attachment Rail Car Puller



**Model FA-LB**

Forklift Attachment Lifting Beam

For dimensions and other requirements not offered here, please contact our knowledgeable sales team for a quick quote based upon the specific job application.





## MODEL LT

## LIFTING TONGS (GRIPPING, PRESSURE, SUPPORTING)

**Lifting Tongs** are designed to securely grab and lift a variety of materials and shapes. They have many generic uses as well as a broad array of customized, job specific applications. Our standard gripping, pressure

and supporting type Tongs are displayed here. Other designs and styles are available by request. For a quote on standard or customized Tongs, simply contact our sales department and provide the specifications required.

### GRIPPING TONG



**Model LTG-R**  
Lifting Tong Gripping  
*Round*

### SUPPORTING TONG



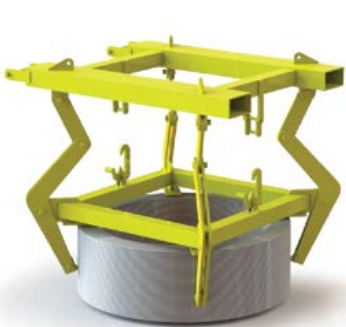
**Model LTS-EG**  
Lifting Tong Supporting  
*External Grab*

### PRESSURE TONGS



**Model LTP-IG**  
Lifting Tong Pressure  
*Internal Grab*

### PRESSURE TONGS



**Model LTP-EGQ**  
Lifting Tong Pressure  
*External Grab Quad*



**Model LTP-I**  
Lifting Tong Pressure  
*Irregular*



**Model LTP-LS**  
Lifting Tong Pressure  
*Lateral Straight*



**Model LTP-LJ**  
Lifting Tong Pressure  
*Lateral Jaw*



## RFQ FORM

### SPECIFICATIONS

Type of Tool: \_\_\_\_\_

Capacity: \_\_\_\_\_ Estimated Cycles per day: \_\_\_\_\_

Load Description: \_\_\_\_\_

Operation Description: \_\_\_\_\_

Dimensions of Load: \_\_\_\_\_

Orientation of Load: \_\_\_\_\_

Number of pick up points: \_\_\_\_\_

Spacing between pickup points: \_\_\_\_\_

Minimum: O.D. \_\_\_\_\_ I.D. \_\_\_\_\_ Height/Width \_\_\_\_\_

Maximum: O.D. \_\_\_\_\_ I.D. \_\_\_\_\_ Height/Width \_\_\_\_\_

Automation: \_\_\_\_\_

Load Attachment (Shackles, Hooks, Slings, Other): \_\_\_\_\_

Additional Information: \_\_\_\_\_

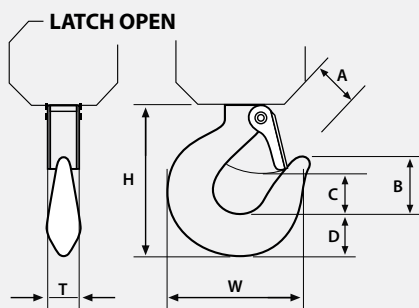
### SKETCH

Contact: \_\_\_\_\_ Company name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

### CRANE HOOK DATA



#### Dimensions (in.)

A
B
C
D
H
W
T

# INDUSTRY APPLICATIONS

- Steel Fabrication
- Material Handling
- Manufacturing
- Offshore
- Petroleum
- Highway
- Construction
- Shipping
- Rail
- Aerospace
- Power Plants
- Foundries
- Pulp/Paper
- Utilities
- Marine
- Civil
- Military
- Agricultural
- Wind
- Nuclear
- Automotive
- Crane/Hoists

## Summary Of Company Services

- Standard Lifting Product Line
- Custom Lifting Products
- Product Support
- Civil, Mechanical & Structural Consulting
- Engineering Services
- On-site Evaluations



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