



2023 Mill Duty Lifting Catalog



800-628-4263



815-229-5667



caldwellinc.com

Why Do Steel Operations Choose Caldwell Lifting Equipment?

Best Warranty

Caldwell's industry-leading, 2-year warranty doubles the protection on your investment because it's twice as long as the typical 1-year warranty for both standard and custom equipment. You, your production scheduler, and your maintenance crew will rest easier, knowing your company made the right choice for the best quality.

More Solutions

In this catalog, the full line of severe- and heavy-duty lifters fit every step in your production process. Caldwell can help you completely outfit a new mill or service center, make updates to an existing facility, or just replace a single piece of equipment when that's all you need. Simplify your procurement efforts. One source, easy choice.

Total Control

Manage high load cycles and extreme temperature environments with lifters made to your exact specifications. Never again worry about delayed shipping containers, questionable import quality, or anything other than a process YOU lead with our top-notch engineers. Let us get you what you need – exactly the way you want it.



All Caldwell Mill Duty Lifters are made to order, delivering the performance and capabilities your processes require. Find Sheet Lifters on page 13 and Coil Handling on page 7.

Count On Caldwell

Since 1954, distributors of below-the-hook lifting devices have trusted Caldwell Lifting Solutions to deliver the quality, innovation, and expertise their customers demand to operate safely and efficiently. Today's Caldwell is proud to serve the rigging shops, crane dealers, construction contractors, transportation suppliers, and material handling professionals who support crane operators worldwide.

Contact Us

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Caldwell Advantages



Caldwell's Signature 2-Year Warranty:

Double the industry average, our 2-year warranty extends your protection and peace of mind.



Free Freight:

You get free freight on LTL/ small package shipments to standard U.S. ground destinations.



In-Stock Availability:

Items marked with this icon are in stock and ready to go when you are.

How To Start The Conversation

Every Mill Duty product we sell is fully customized and built to your exact specs. To start the process, give us a call. We will work with you, our network of experienced distributors, and our expert engineering team to deliver the most cost-effective and high-quality solution.

Made In The USA



Made in the USA: Rockford, IL-based fabricators, welders, assemblers, and painters take great pride in delivering unique solutions to mills, manufacturers, and construction sites around the globe. American made quality is second to none.

NEWS FROM THE FIELD

Premium Industrial Group Chooses Caldwell Rotating Crane Hook

When The Industrial Premium Group needed a robust rotating crane hook for its client Canam Group, they called on Caldwell.

The Canam Group, operator of 12 plants in Canada and the United States, had been using overhead cranes and a C-Hook to move steel coils as part of their metal fabrication processes for years. And while the C-Hook was working, the company realized that a motorized hook would help minimize safety risks and improve productivity.

After researching multiple options, Premium chose the Caldwell motorized rotating hook. With a 360-degree rotating range, flexible speed, a 25-ton capacity, and easy integration with existing Stahl Crane products, the Model 250 was the perfect answer.

"Caldwell's engineering team helped us design the right solution for our client, delivering a heavy-duty capacity for heavy-duty requirements," said Marc-André Martineau, Premium's sales and project director.

More Projects On The Blog

www.caldwellinc.com/blog



Caldwell Meets or Exceeds ASME Standards

THE CALDWELL GROUP
ROCKFORD, ILLINOIS

RATED
CAP. _____ LBS.

MODEL
NO. _____

SERIAL
NO. _____

WEIGHT _____

CC29

WARNING



**Pinch Points.
Keep hands clear.**

ASME BTHF1
lifter designation:

Design Category . . . **B**
Service Class **2**

All Caldwell lifters comply with the American Society of Mechanical Engineers (ASME) standards and include:

- An identification nameplate
- ASME rated capacities tag
- Safety labels

For detailed information about the ASME standards, turn to pages 62-64.



WARNING

**Do NOT exceed
rated capacity.**



WARNING

**Read and understand
instruction manual before
operating equipment.**



WARNING

**DO NOT EXCEED
RATED CAPACITY**
Can fail if damaged, misused or overloaded. Inspect
before use. Use only if trained. DEATH or INJURY can
occur from improper use or maintenance. CC20



Count On
Caldwell Quality

Call 800.628.4263

BEHIND THE SCENES

The Making Of A Custom Coil Lifter

What happens when a mill or service center contacts Caldwell and says they need a new Coil Lifter? Technical Sales Representative Dan Brenneman breaks it down.

- 1. It starts with the Application Evaluation.** By filling out the form on page 12, you provide the Caldwell team with a solid starting point for your custom lifter. (And they're also available online for easy completion.)
- 2. Conversations happen next.** With your information in hand, one of our Technical Service Reps will give you a call to discuss everything about your processes, your plant, and your priorities.
- 3. The engineers get to work.** Following ASME guidelines and armed with decades of industry experience, our mechanical and electrical engineers create the drawings exactly to your custom specs.
- 4. You sign off on a final design.** After a collaborative process, the approval is yours.
- 5. The build.** This is where the fun starts! Caldwell's skilled fabricators, welders, electricians, and assemblers turn those drawings into reality.
- 6. Testing.** Now is the time to make sure it all works like it's supposed to. Every detail is checked.
- 7. Delivery.** It's time to get to work ... knowing you've made the right choice with Caldwell.

Learn More: Mill Duty Design & Manufacturing Standards

These Mill Duty lifters are custom designed

for heavy- and severe-duty service per ASME B30.20, BTH-1 Design Category B, Service Class 3 or 4.

- Design Category B: When loads and conditions are not accurately defined
- Service Class 3: 500,001 to 2 million load cycles
- Service Class 4: Over 2 million load cycles

Mill Duty lifters also include interlocked, parent metal structural connections; replaceable wear plates and hardened steel bushings in high-friction areas, heavy-duty suspensions; slip clutches located on gear box output shaft for drive train protection; metal ID tags; and highly visible capacity and safety warnings.

Service Class Illustration

Cycles/Day	Desired Life (years)			
	5	10	20	30
50				3
100			3	3
200		3	3	4
300	3	3	4	4
750	3	4	4	4
1000	3	4	4	4

Refer to ASME BTH-1 for detailed design considerations of lifting devices.

5 Ways Caldwell Can Help After The Sale

You rely on BTH equipment that performs.

Every day, every shift, every lift. Caldwell stands behind the equipment we sell and stands next to our distributors and end users to deliver end-to-end service that doesn't stop when the purchase is made.

1 Installation Consultations and Training: A Caldwell Service Tech can work with on-site experts to ensure proper set-up, outline a maintenance plan, demonstrate proper equipment use, and help train operators.



2 Preventative Maintenance: We will work with facilities crews or plant managers to perform scheduled PMs that help operators maximize performance and reduce unplanned downtime.



3 Inspections: Should you have an issue or concern, these same Caldwell techs can perform inspections to determine damage and outline your options and costs for repairs.



4 Repairs: Did you know that once repairs by our factory experts are complete, your Caldwell equipment carries the same new product warranty that it had upon purchase? That's peace of mind.



5 Modernizations: Your Caldwell engineering crew uses the latest design technologies to determine if your lifter can be updated, modified, or refurbished to help tackle bigger loads, higher cycle counts, or extreme environments. They can also help you correct recurring issues, improve performance, or rethink your process.



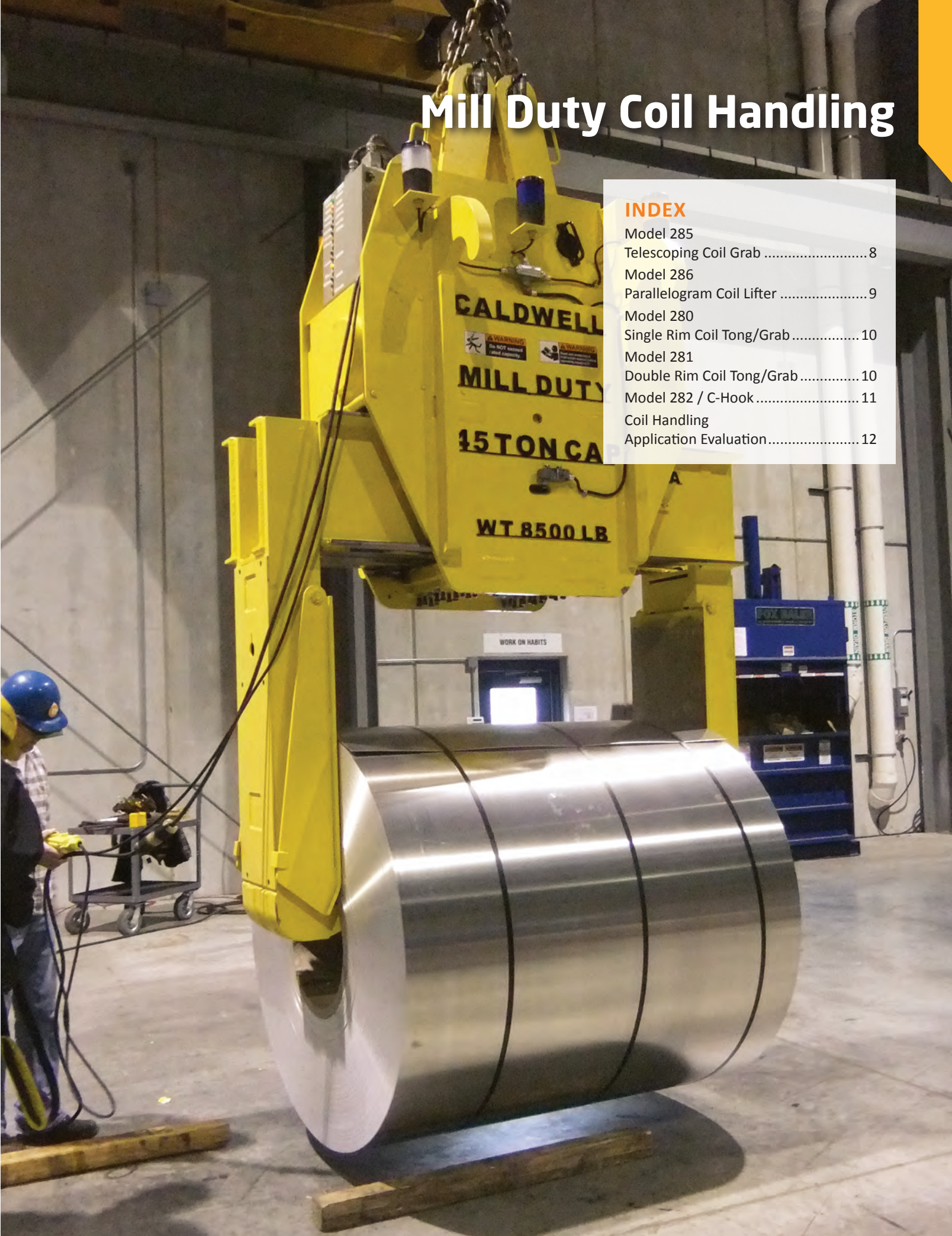
Reliability. Performance. Quality & Trust.

Relationships matter. Ask your Caldwell Customer Service Team for more information about service options at 800.628.4263

Mill Duty Coil Handling

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Model 285

Telescoping Coil Grab

This rack-and-pinion-style grab allows for the handling of a wide range of coil sizes with minimum manpower. Optional motorized rotation allows the crane operator to spot the coil with precise positioning. Coil grabs are custom designed per application.

Product Features:

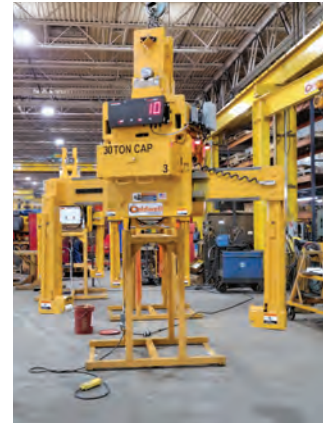
- Low-headroom design
- Lockout switch in carrying foot to prevent inadvertent opening
- Replaceable wear plates
- Hinged covers
- Heavy-duty worm gear reducer
- Drive protection includes slip clutch
- Machined slide arms
- Curved supports on lifting feet for coil protection
- Designed for easy maintenance.
- AC power

Product Options:

- Powered rotation with or without stops
- Photo eye to sense coil I.D.
- Coil protection
 - Trip plates with sensors
 - Toe rollers on carrying feet
 - Coil I.D. sensor
 - Polyurethane coverings
- Heavy-duty function indicator lights
- Integral weighing system
- Maximum open/minimum close limit switches
- DC power
- Parking or maintenance stand
- Electrical reversing motor controls

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Coil Handling Application Evaluation on page 12 or online at www.caldwellinc.com/applications.



Model 285 shown here with indicator lights, integral weighing system, and powered rotation.



Customize It Your Way

The Model 285 is a favorite of steel mills and service centers across the country. We build to your specifications. Call 800.628.4263 to get started.

Model 286

Parallelogram Coil Lifter

The motorized **Parallelogram Leg Drive Coil Lifter** is ideal where aisle space between coils is limited. This lifter is designed so that the weight of the coil keeps the lifter closed. Optional motorized rotation allows the crane operator to spot the coil with precise positioning. Coil grabs are custom designed per application.

Product Features:

- Narrow aisle design
- All pivot points supplied with hardened steel bushings/pins equipped for lubrication
- Heavy-duty worm gear reducer
- Drive protection includes slip clutch
- Electrical controls include stall relay
- Curved lifting pads for coil protection
- Designed for easy maintenance
- AC power

Product Options:

- Powered rotation with or without stops
- Coil protection
 - Trip plates with sensors
 - Grip shoe toe rollers
 - Coil I.D. sensor
 - Polyurethane coverings
- Heavy-duty function indicator lights
- Built-in load scales
- Maximum open/minimum close limit switches
- DC power
- Parking or maintenance stand

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Coil Handling Application Evaluation on page 12 or online at www.caldwellinc.com/applications.



Model 280

Single-Rim Coil Tong/Grab

Automatic Single-Rim Coil Grabs are designed for use in the primary metals industry. The grab has two opposing jaws to grip one wall of the coil (single rim) when in the eye vertical position. Grabs are custom designed per application.

Product Features:

- Auto-Latch mechanism for attach and release operation of grab
- Note: Hoist line must be slack to engage and disengage Auto-Latch mechanism
- All pivot points furnished with hardened steel bushings/pins and lubrication fittings
- Handles a wide range of coil sizes and capacities
- Grip jaws conform to coil sizes

Product Options:

- Motorized grab
- Replaceable facing on grip jaws for coil protection
- Parking or maintenance stands

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Coil Handling Application Evaluation on page 12 or online at www.caldwellinc.com/applications.



Model 281

Double-Rim Coil Tong/Grab

Automatic Double-Rim Coil Grabs are designed to handle light-gauge or highly finished coils when in the eye vertical position. The grab grips both walls of the coil when in the eye vertical position to minimize gripping pressure. Coil grabs are custom designed per application.

Product Features:

- Auto-Latch mechanism for attach and release operation of grab
- Note: Hoist line must be slack to engage and disengage Auto-Latch mechanism
- All pivot points furnished with hardened steel bushings/pins and lubrication fittings
- Handles a wide range of coil sizes and capacities
- Grip jaws conform to coil sizes

Product Options:

- Motorized grab
- Replaceable facing on pads for coil protection



ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Coil Handling Application Evaluation on page 12 or online at www.caldwellinc.com/applications.

Model 282

C-Hook

C-Hooks are designed to handle coils in the eye horizontal position and are available in a wide range of capacities, coil sizes and design styles. C-Hooks are custom designed per application. C-Hooks are custom designed per application.

Product Features:

- High tensile strength alloy steel plate minimizes physical size
- Counter balanced to hang level when empty
- Inside radius on hooks avoid coil edge contact
- Curved coil support on lower arm is standard
- Guide handles for ease of coil positioning
- Handles a wide range of coil widths

Product Options:

- Replaceable urethane facing available for additional coil protection
- Recessed counterweight for close stacking
- Long carrying arm style for multiple slit coils
- High temperature environment capability
- Storage stand

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Coil Handling Application Evaluation on page 12 or online at www.caldwellinc.com/applications.

It All Starts With Specs

You know what you need to do, but might not know how to get it done. Call 800.628.4263 and let's talk about your application. Our technical sales and engineering crews know how to help.



Caldwell 30-Metric Ton Capacity C-Hook in action.

Application Evaluation

Specify type of lifter desired: _____

COIL INFORMATION:

Minimum: O.D.: _____ I.D.: _____ Width/Height: _____ Weight: _____

Maximum: O.D.: _____ I.D.: _____ Width/Height: _____ Weight: _____

Is coil telescoped? ☐ No ☐ Yes, distance _____ ☐ O.D. or ☐ I.D.

In which position will coil be handled? ☐ Eye Vertical ☐ Eye Horizontal

Describe coil material: ☐ Steel ☐ Aluminum ☐ Brass/Copper

☐ Other, describe: _____

Is coil hot? ☐ No ☐ Yes If yes, please answer questions below (1, 2, 3):

1. Maximum load temperature: _____ 2. Maximum time Lifter is in contact with load: _____

3. Minimum cool down time between lifts: _____

Describe characteristics of coil (ex. tightly wound, banded, telescoped, oily, hot, etc.). _____

Describe where coil is resting and where it will be placed (ex. on a flat surface, pallet, turnstile arm, etc.). _____

Do the coils need to be protected from damage? ☐ Yes, describe: _____ ☐ No

ADDITIONAL INFORMATION:

Are reversing motor controls required? ☐ No ☐ Yes

If yes, ☐ Furnished Loose ☐ Mounted On Lifter

Storage / maintenance stand required? ☐

Select lifter service class required based on desired fatigue life: Please reference the chart on page 3 for estimated years of service.

Service Class	Load Cycles
☐ 3	500,001 – 2,000,000
☐ 4	over 2,000,000

CMAA Crane Duty Class (A, B, C, D, E, F): _____

Please use the space provided below for additional application information or lifter options required

(ex: headroom limitations, clearances where load is picked up and placed, etc.). _____

CRANE HOOK DATA:

Hook Manufacturer: _____

Hook Size: _____

ID Markings: _____

INCHES

A _____ +0

B _____ +0

C _____ +0

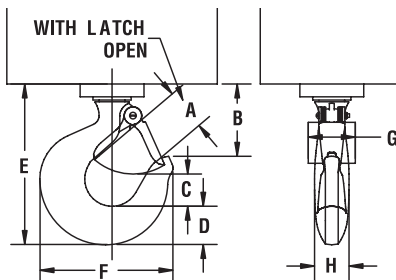
D _____ -0

E _____ -0

F _____ +/-

G _____ -0

H _____ -0



MEASUREMENT TOLERANCES

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

For a price quote on your specific application, please complete the above form and fax to The Caldwell Group at **815-229-5686** or you can complete this form online at **www.caldwellinc.com/applications**.

Mill Duty Sheet Lifters

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Model 260

Telescopic Sheet Lifter

This rack-and-pinion-style lifter allows for handling of a wide range of sheets and plates with minimum manpower. Lifters are custom designed per application.

Product Features:

- Low-headroom design
- Replaceable wear plates
- Heavy-duty worm gear reducers
- Drive protection includes slip clutch
- Machined slide arms
- Designed for ease of maintenance
- AC power

Product Options:

- Powered rotation with or without stops
- Heavy-duty function indicator lights
- Integral weighing system
- Maximum open/minimum closed limit switches
- Carrying angles with dunnage cutouts (pictured above)
- Detachable, auxiliary carrying angles for handling longer loads
- Chain or cable reel mounted end hooks for thin-gauge or extra-wide material
- DC power
- Electrical reversing motor controls



Shown with dunnage cutouts on carrying angle.

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Sheet/Plate Handling Application Evaluation on page 18 or online at www.caldwellinc.com/applications.



Photo courtesy of Outokumpu

Model 266

Parallelogram Sheet Lifter

The motorized **Parallelogram Leg Drive Sheet Lifter** is ideal where space between sheet stacks in storage is limited. This style lifter is designed so that the weight of the stacks of sheets or plates keeps the lifter closed. Optional motorized rotation allows the crane operator to spot the stack with precise positioning. Lifters are custom designed per application.

Product Features:

- Narrow aisle space design
- All pivot points equipped with hardened steel bushings and pins equipped for lubrication
- Heavy-duty worm gear reducer
- Drive protect includes slip clutch
- Electrical controls include stall relay
- Designed for ease of maintenance
- AC power

Product Options:

- Powered rotation with or without stops
- Heavy-duty function indicator lights
- Integral weighing system
- Maximum open/minimum closed limit switches
- Carrying angles with dunnage cutouts
- Chain or cable reel mounted end hooks for extra-wide or thin-gauge material
- DC power

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Sheet/Plate Handling Application Evaluation on page 18 or online at www.caldwellinc.com/applications.



Model 222

Vacuum Lifting Beam



These **Vacuum Lifting Beams** are designed to handle large sheets or plates of metal in the primary metal industry, as well as various other industries. Designed to your material weight and size requirements, units are operated with a pendant, crane-mounted controls, or radio controls. Lifting beams are custom designed per application.

Product Features:

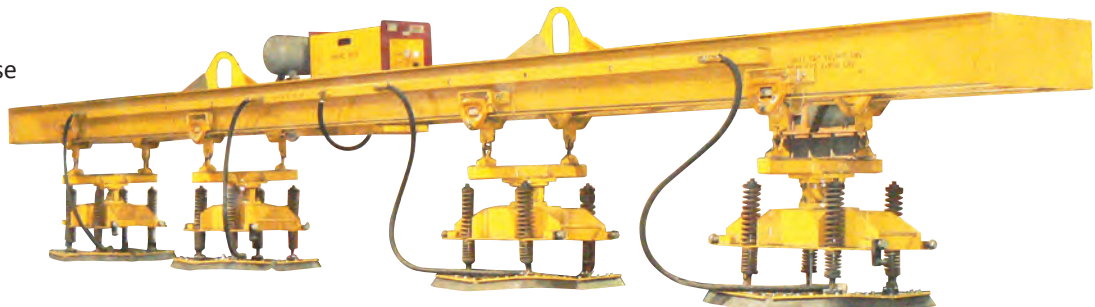
- Trolley-mounted crossarms for ease of adjustment
- Vacuum pads and crossarms adjustable to handle a wide range of material sizes
- Handles ferrous and non-ferrous material
- Assures single sheet/plate handling
- Minimizes product damage
- Handles material up to 600 degrees Fahrenheit
- Safety indicator lights
- Vacuum reserve system to hold load during temporary power failure
- Design assures quick attachment and release
- AC power

Product Options:

- Powered rotation for horizontal location
- Durable LED lights and gauges
- Built-in support stands
- Low-vacuum indicator warning system
- DC power

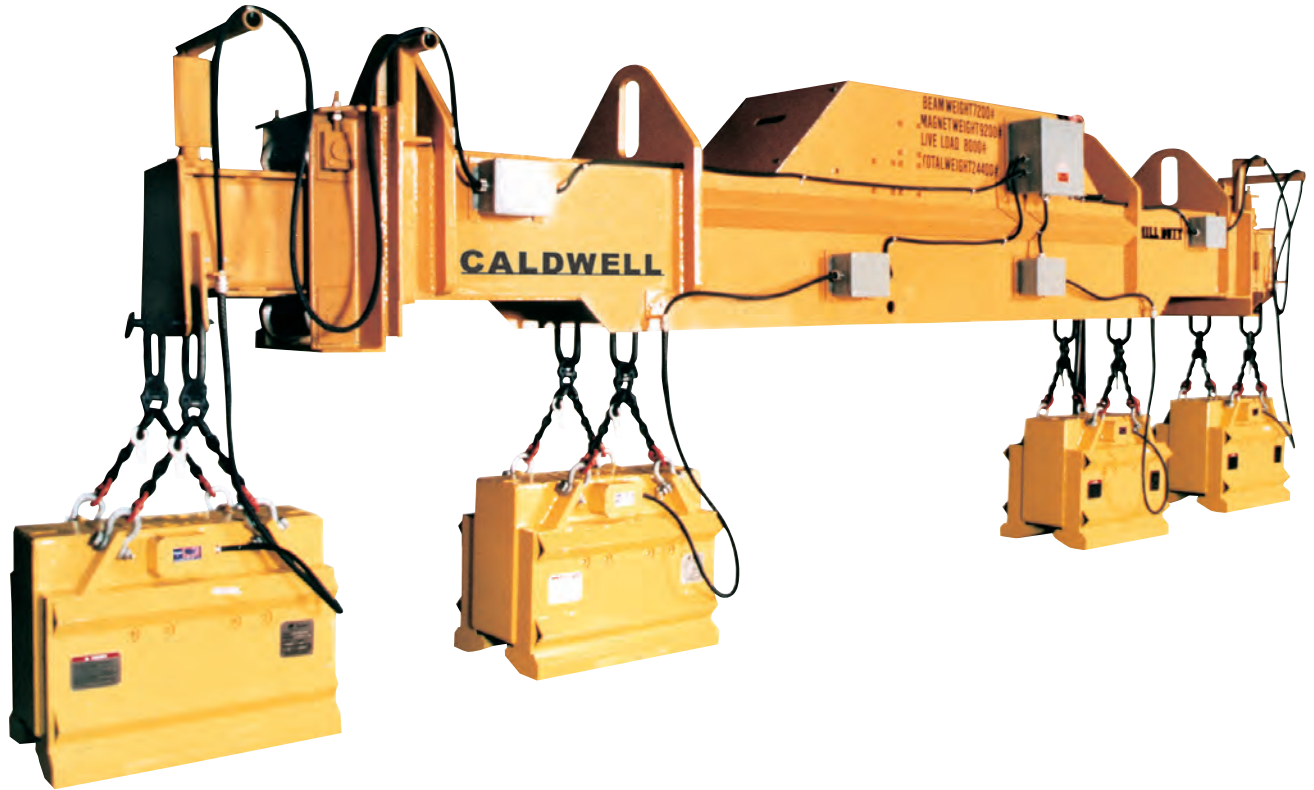
ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Sheet/Plate Handling Application Evaluation on page 18 or online at www.caldwellinc.com/applications.



Model 224

Magnet Lifting Beam



This telescoping, rack-and-pinion-style beam allows for handling of a wide variation of product lengths. The magnetic lifting beam is available in fixed or adjustable styles and is custom designed per application.

Product Features:

- Heavy-duty rack and pinion telescoping drive
- Telescopes to handle varying lengths
- Heavy-duty gear reducer
- Drive protection includes slip clutch
- Designed for easy maintenance
- Designed to accommodate your lifting magnets
- AC power

Product Options:

- Individual 90 degree rotation of magnets for wide loads
- Parking stand
- Non-telescopic units are also available
- Supplied with lifting magnets
- DC power
- Electrical reversing motor controls

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Sheet/Plate Handling Application Evaluation on page 18 or online at www.caldwellinc.com/applications.

Unique Application? No Problem!

From vacuums to magnets and more...

Caldwell's engineering team is ready to tackle your specific situation and discover a solution that works for coils, sheets, ingots, and more. Reach out today to get the conversation started.



Application Evaluation

Specify type of lifter desired: _____

LOAD INFORMATION:

Sheet and/or Plate Dimensions:

Minimum: Length: _____ Width: _____ Stack Height: _____ Weight: _____

Maximum: Length: _____ Width: _____ Stack Height: _____ Weight: _____

Will single sheet or plates be handled? ☐ Yes ☐ No If yes, minimum thickness: _____

Specify material being lifted:

Are loads palletized? ☐ Yes ☐ No ☐ Sometimes Specify pallet size: _____

Sheet Condition: ☐ Dry ☐ Oily ☐ Banded ☐ Loose

Is load hot? ☐ No ☐ Yes, if yes please answer questions below:

Maximum load temperature: _____ Maximum time lifter is in contact with load: _____

Minimum cool down time between lifts: _____

ADDITIONAL INFORMATION:

Operation required: ☐ Motorized ☐ Manual

If motorized, specify: ☐ DC ☐ AC Voltage _____ Phase _____ Cycle _____

Pendant required? ☐ Yes ☐ No

Are reversing motor controls required? ☐ No ☐ Yes If yes, ☐ Furnished Loose ☐ Mounted On Lifter

Select lifter service class required based on desired fatigue life:

Please reference the chart on page 5.

Service Class	Load Cycles
☐ 3	500,001 – 2,000,000
☐ 4	over 2,000,000

CMAA Crane Duty Class (A, B, C, D, E, F): _____

Please use the space below to provide additional application information or options required (ex: headroom issues, space restrictions, lifter restrictions or options such as a chain wheel or end hooks). _____

CRANE HOOK DATA:

Hook Manufacturer: _____

Hook Size: _____

ID Markings: _____

INCHES

A _____ +0

B _____ +0

C _____ +0

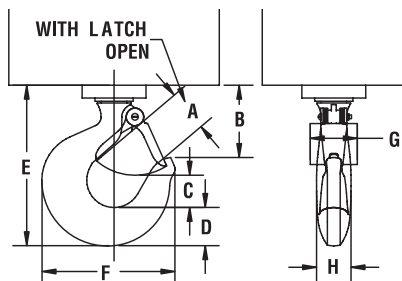
D _____ -0

E _____ -0

F _____ +/-

G _____ -0

H _____ -0



MEASUREMENT TOLERANCES

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

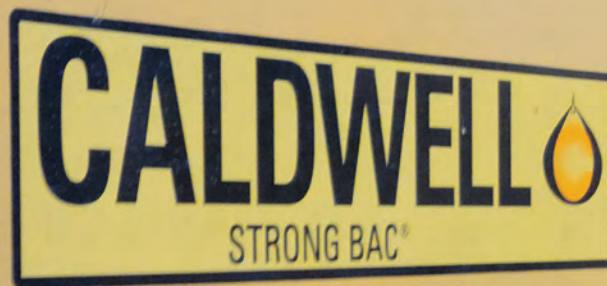
Email: _____

For a price quote on your specific application,
please complete the above form and fax to
The Caldwell Group at **815-229-5686**
or you can complete this form online at
www.caldwellinc.com/applications.

Mill Duty Lifting Beams

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Model 220

Custom Lifting Beams



Lifting beams are available in a wide range of capacities and are custom designed to accommodate your application requirements. Lifting beams are designed per application.

Product Features:

- Low-headroom design
- Wide range of sizes and capacities

Product Options:

- Multiple spreads for hook placement
- Multiple hoist lifting capability
- High-temperature environment capability



ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Lifting Beam Application Evaluation on page 21 or online at www.caldwellinc.com/applications.

Customizable Lifting Beams

For a full selection of completely customizable lifting beams and spreader beams, see pages 30-40.



Application Evaluation

LOAD INFORMATION:

Describe load: _____

Maximum weight: _____ Number of support points: _____

Distance between (spacing) pickup points: _____

Is load center of gravity centered between outer pick points? ☐ Yes ☐ No

If no, specify location in reference to pick points (attach a diagram if necessary): _____

Is load hot? ☐ No ☐ Yes, if yes please answer questions below (1, 2, 3):

1. Maximum load temperature _____

2. Maximum time beam is in contact with load: _____

3. Minimum cool down time between lifts: _____

What type of attachment to the load?

☐ Shackles ☐ Swivel Hooks ☐ Lifting Slings ☐ Other (specify) _____

Describe specific requirements: _____

CRANE INFORMATION:

Approximate distance between load and crane: _____

SINGLE CRANE HOIST INFORMATION:

Capacity: _____

CRANE HOOK DATA:

Hook Manufacturer: _____

Hook Size: _____

ID Markings: _____

INCHES

A _____ +0

B _____ +0

C _____ +0

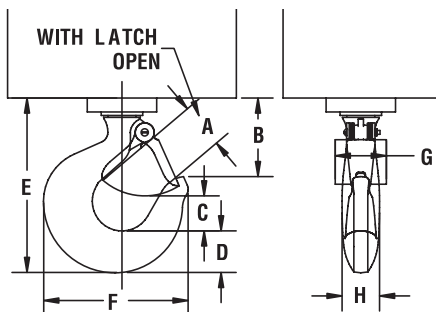
D _____ -0

E _____ -0

F _____ +/-

G _____ -0

H _____ -0



MEASUREMENT TOLERANCES

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

DUAL CRANE HOIST INFORMATION:

Distance between: _____

Same capacity? ☐ Yes ☐ No

If no, specify capacities: _____

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

For a price quote on your specific application,
please complete the above form and fax to
The Caldwell Group at **815-229-5686**
or you can complete this form online at
www.caldwellinc.com/applications.

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Model 250

Motorized Rotating Crane Hook



Motorized Rotating Crane Hooks make rotating loads on the crane hook easy for the operator. Each unit is custom designed per your requirements.

Product Features:

- Sheave pin includes lubrication fittings
- External lubrication on heavy-duty thrust bearing
- Heavy-duty worm gear reducer
- Chain-and-sprocket final drive
- Drive protection includes slip clutch
- Designed for ease of maintenance
- 360-degree continuous rotation
- AC power

Product Options:

- Pin bail type attachment
- Clevis or lug instead of crane hook
- Hook/drive disengagement
- Bull gear and pinion final drive
- Continuous rotation with electrical collector ring to operate motorized below-the-hook lifters
- DC power
- Mechanical stops
- Electrical reversing motor controls
- Integral weighing system

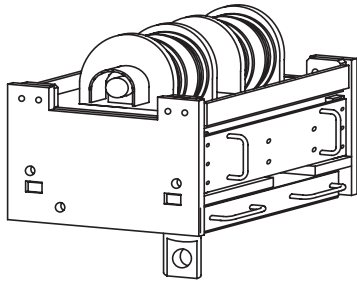
ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Motorized Rotating Crane Hook Application Evaluation on page 24 or online at www.caldwellinc.com/applications.

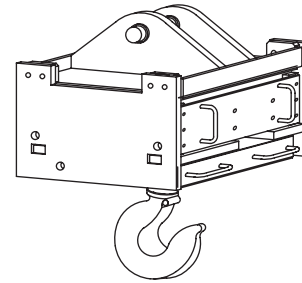


Turn to page 4 to see how The Premium Industrial Group chose a Caldwell Motorized Rotating Crane Hook for one of their clients.

CLEVIS STYLE



PIN BAIL



Application Evaluation

1. CMAA Crane Duty Class: _____

2. Capacity of crane: _____

3. Number of sheaves: _____

4. Sheave diameter: _____

5. Sheave spacing (A): _____ (X): _____

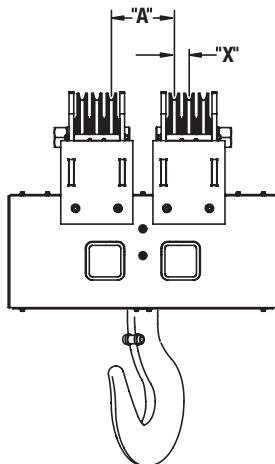
6. Type of sheave bearings: _____

7. Wire rope diameter: _____

8. Maximum degree of rotation required: _____

9. Will a motorized grab be suspended from the hook?

☐ Yes ☐ No



10. Primary power supply: _____

Secondary power supply: _____

11. Describe load to be rotated:

a. Weight _____

b. Length _____

c. Width _____

d. Height _____

e. Shape _____

12. Will hook be outdoors? _____

☐ Yes ☐ No

13. Operation controlled from:

☐ Cab ☐ Pendant ☐ Remote

14. Load scale required? ☐ Yes ☐ No

13. Describe requirements: _____

15. Options required: _____

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

EMail: _____

For a price quote on your specific application,
please complete the above form and fax to
The Caldwell Group at **815-229-5686**
or you can complete this form online at
www.caldwellinc.com/applications.

Mill Duty Ingot & Slab Handling

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Mill Duty Ingot & Slab Handling	
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Model 272

Motorized Ingot/Slab Swivel Grab

This screw-type grab allows for handling of a wide range of ingots. Additional grip force is applied by the wedge action of the points when the load is lifted. This unit is designed to grip an ingot in the vertical position and lay it down to the horizontal position. Grabs are custom designed per application.

Product Features:

- Screw drive for a wide range of ingot widths
- Bronze drive nuts for long life and smooth operation
- Wedge action applies grip force
- Low-headroom design
- Close tolerance machined slide beam and grip arms
- Heavy-duty worm gear reducer
- Designed for ease of maintenance
- Heavy-duty drive guards
- AC power

Product Options:

- Powered rotation with or without stops
- Integral weighing system
- Maximum open/minimum closed limit switches
- Swivel rest arms for proper rollover clearance
- Heavy-duty function indicator lights
- Wedge locks
- DC power
- Electrical reversing motor controls

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Ingot/Slab Handling Application Evaluation on page 28 or online at www.caldwellinc.com/applications.



PRODUCT FEATURES & IN THE FIELD



Model 274

Ingot/Slab Handling Grab

This rack-and-pinion grab is designed to handle a wide range of ingots when in the horizontal position. Gripping force is applied through the legs by the tong action when an ingot is lifted. This unit is suitable for low-headroom operations. Grabs are custom designed per application.

Product Features:

- Low-headroom design
- Replaceable wear plates
- Dual rack-and-pinion drive
- Grip force developed through tong geometry
- Includes slip clutch for drive protection
- Close tolerance machining for sliding arms
- Designed for ease of maintenance
- AC power



Product Options:

- Powered rotation with or without stops
- Maximum open/minimum closed limit switches
- Integral weighing system
- Heavy-duty function indicator lights
- DC power
- Electrical reversing motor controls

ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Ingot/Slab Handling Application Evaluation on page 28 or online at www.caldwellinc.com/applications.

Model 270

Ingot/Slab Tong

This automatic Ingot/Slab Tong is for use in the primary metals industry. Tongs are designed to your specific requirements to suit the width, length, thickness, and maximum weight to be lifted.

Product Features:

- Full range automatic adjustment
- Auto-latch mechanism for holding tong open, relax on top of the load grip
- All pivot points furnished with hardened steel bushing/pins and lubrication fittings
- Handles a wide range of product lengths, widths, thicknesses, and weights
- High-temperature product capability

Product Options:

- Landing pads for straight horizontal motion of grip points to handle thinner loads
- Replaceable urethane facing on rest portion of lower legs to protect load



ORDERING INSTRUCTIONS

NOTE: To request a price quotation on your specific application, please fill in the Ingot/Slab Handling Application Evaluation on page 28 or online at www.caldwellinc.com/applications.

Application Evaluation

Specify type of lifter desired: _____

INGOT/SLAB INFORMATION:

Minimum: Width: _____ Thickness: _____ Length: _____ Weight: _____

Maximum: Width: _____ Thickness: _____ Length: _____ Weight: _____

In which position will ingot/slab be handled? ☐ Vertical ☐ Horizontal

Describe ingot/slab being lifted: ☐ Steel ☐ Aluminum ☐ Brass/Copper

☐ Other, describe: _____

Does ingot/slab need to be protected against damage? ☐ Yes, describe: _____ ☐ No

In which position will the ingot/slab be handled? ☐ Vertical ☐ Horizontal

Is ingot / slab hot? ☐ No ☐ Yes, if yes please answer questions below (1, 2, 3):

1. Maximum load temperature _____

2. Maximum time beam is in contact with load: _____

3. Minimum cool down time between lifts: _____

ADDITIONAL INFORMATION:

Select lifter service class required based on desired fatigue life:

Please reference the chart on page 5.

CMAA Crane Duty Class (A, B, C, D, E, F): _____

Service Class

☐ 3

☐ 4

Load Cycles

500,001 – 2,000,000

over 2,000,000

Please use the space provided below for additional application information or lifter options required (ex: headroom limitations, clearances where load is picked up and placed, etc.). _____

CRANE HOOK DATA:

Hook Manufacturer: _____

Hook Size: _____

ID Markings: _____

INCHES

A _____ +0

B _____ +0

C _____ +0

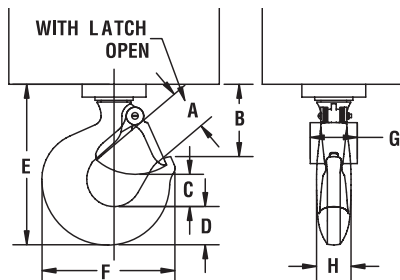
D _____ -0

E _____ -0

F _____ +/-

G _____ -0

H _____ -0



MEASUREMENT TOLERANCES

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

For a price quote on your specific application,
please complete the above form and fax to
The Caldwell Group at **815-229-5686**
or you can complete this form online at
www.caldwellinc.com/applications.

General Lifters

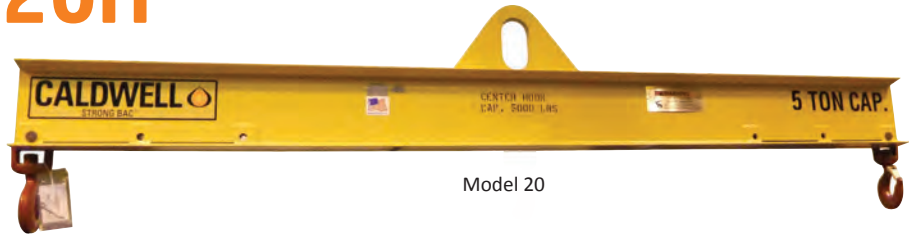
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Models 20 & 20H

Low-Headroom Multiple-Spread Lifting Beams



Versatility is the name of the game with the Model 20 Low-Headroom Multiple-Spread Lifting Beam.

With a few dozen standard spreads, lengths and capacities, you're likely to find an economical solution that fits your use. If none of those work for you, let us customize one.

Model 20 and 20H Product Features:

- Beams over 6' and longer have 3 spreads
- 3' & 4' beams have 2 spreads
- Swivel hooks with hook latches standard
- Wide range of sizes and capacities available
- Complies with ASME standards
- Three spreads to adjust to the load
 - Outside spread
 - Middle spread (outside less 1')
 - Inside spread (outside less 2')

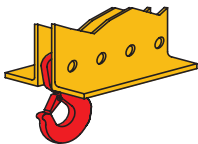


Build & quote a custom Model 20 beam with the SmartSpec Online Configurator. See page 48 for details.

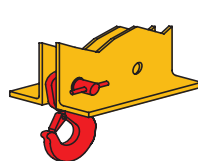
Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Outside Spread (feet)						
		3	4	6	8	10	12	
1/2	Model Number HR Headroom Weight	20-1/2-3 12-3/4 40	20-1/2-4 12-3/4 50	20-1/2-6 12-3/4 65	20-1/2-8 12-3/4 95	20-1/2-10 13-3/4 140	20-1/2-12 13-3/4 160	
1	Model Number HR Headroom Weight	20-1-3 12-3/4 40	20-1-4 12-3/4 50	20-1-6 13-3/4 85	20-1-8 13-3/4 115	20-1-10 14-3/4 165	20-1-12 15-3/4 230	
2	Model Number HR Headroom Weight	20-2-3 13-3/4 50	20-2-4 13-3/4 65	20-2-6 14-3/4 100	20-2-8 16-1/2 165	20-2-10 17-1/2 230	20-2-12 18-1/4 315	
3	Model Number HR Headroom Weight	20-3-3 15-1/4 70	20-3-4 15-1/4 80	20-3-6 16-1/4 140	20-3-8 17-1/4 200	20-3-10 18-1/4 275	20-3-12 22-1/2 415	
5	Model Number HR Headroom Weight	20-5-3 19-1/2 115	20-5-4 20-1/2 145	20-5-6 21-1/2 205	20-5-8 25-1/2 325	20-5-10 25-1/2 390	20-5-12 27-1/2 580	
7-1/2	Model Number HR Headroom Weight	20-7 1/2-3 22-1/2 135	20-7 1/2-4 23-1/2 170	20-7 1/2-6 25-1/4 265	20-7 1/2-8 27-1/4 415	20-7 1/2-10 27-1/4 500	20-7 1/2-12 30-1/4 910	
10	Model Number HR Headroom Weight	20-10-3 23-1/4 150	20-10-4 25-1/4 205	20-10-6 27-1/4 335	20-10-8 27-1/4 420	20-10-10 30-1/4 775	20-10-12 30-1/4 910	
15	Model Number HR Headroom Weight	20-15-3 28-1/2 215	20-15-4 30-1/2 295	20-15-6 30-1/2 375	20-15-8 33-1/2 685	20-15-10 33-1/2 820	20-15-12 40-1/4 1180	
20	Model Number HR Headroom Weight	20-20-3 38-3/4 370	20-20-4 38-3/4 435	20-20-6 38-3/4 575	20-20-8 38-3/4 710	20-20-10 41-1/2 1070	20-20-12 41-1/2 1235	
25	Model Number HR Headroom Weight		20-25-4 41-3/8 470	20-25-6 41-3/8 590	20-25-8 44-3/8 925	20-25-10 44-3/8 1100	20-25-12 44-3/8 1650	
30	Model Number HR Headroom Weight		20-30-4 45-1/2 525	20-30-6 45-1/2 660	20-30-8 48-1/4 1010	20H-30-10 59.75 1150	20H-30-12 61.50 1395	
40	Model Number HR Headroom Weight		20-40-4 44-3/4 600	20-40-6 47-3/4 930	20H-40-8 71.50 1200	20H-40-10 72 1550	20H-40-12 72.25 1840	

Other sizes available, consult factory.

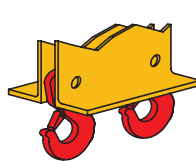
MODEL 20 PRODUCT OPTIONS



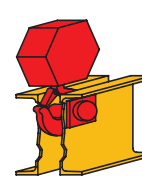
OPTION A
Extra Holes or Different Placement of Holes
Allows multiple hook positioning beyond standard spreads. Specify number and spread(s) required.



OPTION B
Faspins
For ease of positioning hooks with quick release. Specify number required. Recommend faspins if frequent hook position changes (spread) are required.



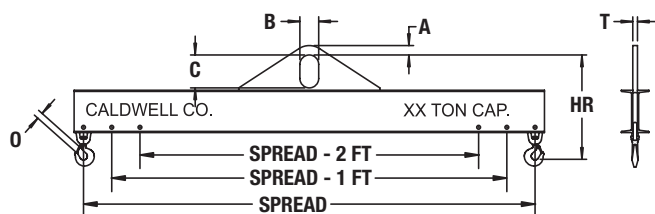
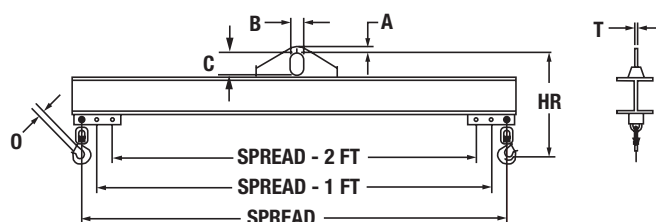
OPTION C
Extra Hooks
Allows for multiple pick points. Specify number required.



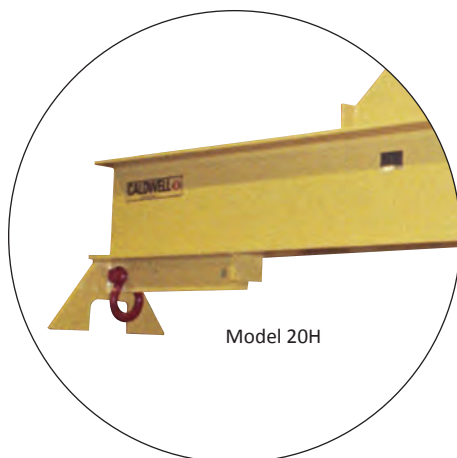
OPTION D
Pin-Type Bail
Lifting pin located between structural channel. (Hoist hook information must be supplied.)



OPTION E
Shackle Lug
Lifting lug with shackle. (Headroom may change.)

MODEL 20

MODEL 20H


	Outside Spread (feet)									Model 20 Other Dimensions (in.)	Model 20H Other Dimensions (in.)	
	14	16	18	20	24	30	34	38	42			
20-1/2-14 14-3/4 230	20-1/2-16 15-3/4 305	20-1/2-18 16-3/4 400	20-1/2-20 16-3/4 450	20-1/2-24 20-1/4 830	20-1/2-30 22-1/4 1340					A=7/8 B=3 C=5	T=3/4 O=7/8	
20-1-14 16-3/4 320	20-1-16 18-1/2 415	20-1-18 20-1/4 605	20-1-20 20-1/4 675	20-1-24 22-1/4 1095	20H-1-30 24 1250	20H-1-34 24 1605	20H-1-38 24 2120	20H-1-42 26 2810		A=7/8 B=3 C=5	T=3/4 O=7/8	A=7/8 B=3 C=5
20-2-14 20-1/4 480	20-2-16 20-1/4 540	20-2-18 24-3/4 800	20-2-20 24-3/4 900	20-2-24 27-3/4 1730	20H-2-30 24 1560	20H-2-34 24 2130	20H-2-38 24.50 2680	20H-2-42 26.50 3410		A=7/8 B=3 C=5	T=3/4 O=7/8	A=1-1/2 B=3 C=5
20-3-14 24-1/2 650	20-3-16 24-1/2 730	20-3-18 27-1/2 1295	20-3-20 27-1/2 1450	20-3-24 27-1/2 1765	20H-3-30 27.25 1840	20H-3-34 27.25 2070	20H-3-38 27.50 3110	20H-3-42 29 3890		A=1-1/4 B=3 C=5	T=1 O=1	A=1-1/2 B=3 C=5
20-5-14 27-1/2 690	20-5-16 30-1/4 1210	20-5-18 30-1/4 1340	20-5-20 30-1/4 1505	20-5-24 33-1/4 2275	20H-5-30 32 2325	20H-5-34 32 3130	20H-5-38 34 3950	20H-5-42 34 4760		A=2 B=4 C=7	T=1-1/4 O=1-15/16	A=2 B=4 C=7
20-7 1/2-14 30-1/4 1070	20-7 1/2-16 30-1/4 1600	20-7 1/2-18 33 1665	20H-7 1/2-20 34.75 1325	20H-7 1/2-24 34.75 1890	20H-7 1/2-30 35 2790	20H-7.5-34 36.75 3560	20H-7.5-38 37 4760	20H-7.5-42 37 5730		A=2 B=4 C=7	T=1-1/4 O=1-1/2	A=2 B=4 C=7
20-10-14 30-1/4 1075	20-10-16 33 1500	20-10-18 33 1670	20H-10-20 35.75 1500	20H-10-24 36 2100	20H-10-30 37.75 3190	20H-10-34 38 4300	20H-10-38 38 5230	20H-10-42 38.50 6910		A=2 B=4 C=7	T=1-1/4 O=1-9/16	A=2 B=4 C=7
20-15-14 40-1/4 1385	20H-15-16 41.50 1350	20H-15-18 41.75 1610	20H-15-20 42 1915	20H-15-24 41.50 2340	20H-15-30 42.25 4255	20H-15-34 42.25 "5,224"	20H-15-38 42.50 6340	20H-15-42 43 8420		A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/16	A=2-1/2 B=5 C=9
20H-20-14 45.75 1210	20H-20-16 46 1510	20H-20-18 46.25 1885	20H-20-20 48 2225	20H-20-24 48.50 3155	20H-20-30 49.25 5040	20H-20-34 49.25 6250	20H-20-38 55.25 8170	20H-20-42 55.50 9930		A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/4	A=2-3/4 B=5 C=9
20H-25-14 55.75 1430	20H-25-16 55 1780	20H-25-18 56.75 2110	20H-25-20 59.75 2590	20H-25-24 60 3545	20H-25-30 60.75 5380	20H-25-34 64 7425	20H-25-38 64.50 9100	20H-25-42 67.25 11235		A=3 B=6 C=12	T=1-3/4 O=2-1/4	A=3 B=6 C=12
20H-30-14 61.75 1695	20H-30-16 62 2050	20H-30-18 67.50 2380	20H-30-20 67.75 2850	20H-30-24 68 4040	20H-30-30 73.75 5725	20H-30-34 71.75 7930	20H-30-38 69.75 10100	20H-30-42 70 12300		A=3-1/2 B=7 C=16	T=2 O=2-1/4	A=3-1/2 B=7 C=16
20H-40-14 72 2220	20H-40-16 74.75 2400	20H-40-18 75 3100	20H-40-20 78 3680	20H-40-24 81 4920	20H-40-30 84.25 6810	20H-40-34 77 9310	20H-40-38 80 11500	20H-40-42 83 14510		A=3-1/2 B=7 C=16	T=2-1/2 O=3	A=3-1/2 B=7 C=16



MODEL 20H PRODUCT OPTIONS



OPTION A
Extra Holes or Different Placement of Holes
Allows multiple hook positioning beyond standard 3 spreads. Specify number and spread(s) required.

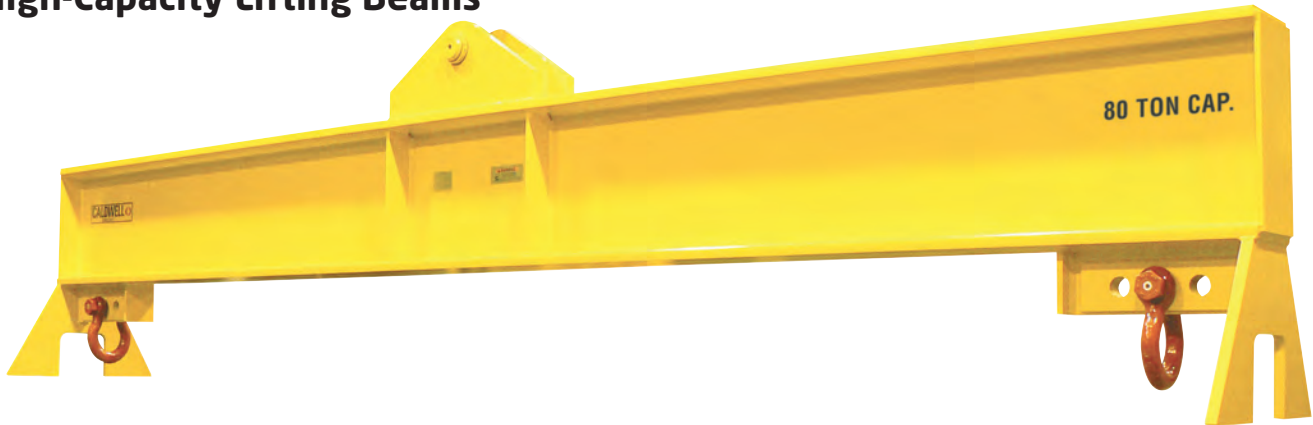
OPTION B
Extra Shackles and Swivel Hooks
Allows for multiple pick points or eliminates the need to move hardware for different size loads.



OPTION C
Built-In Stand
Keeps beam upright for easy crane hook attachment (pictured to the left).

Model 20HC

High-Capacity Lifting Beams



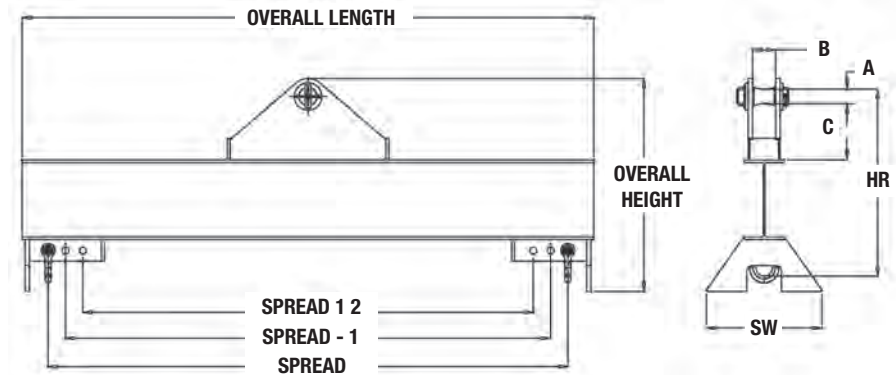
Big loads? Heavy picks? Super-size lifts? No worries. The Model 20HC is ready and willing to do the work. With built-in beam stands and reinforced I-beam construction, this beauty is ready for whatever you throw at it.

Product Features:

- Heavy-duty I-beam construction
- Built-in beam stands for easy storage
- Pin bail allows for quick attachment of large crane hook
- Beams have three spreads for flexibility
- Lifting shackles are standard
- Complies with ASME standards



MODEL 20HC



Capacity (tons)	Model Number	Spread (ft.)	Dimensions (inches)							Weight (lbs.)
			Overall Length	HR Headroom	Overall Height	A	B	C	SW	
50	20HC-50-10	10	138	60.31	70.31	5	8	19.5	40	2881
	20HC-50-15	15	198	60.73	70.73					3841
	20HC-50-20	20	258	61.25	71.25					5161
65	20HC-65-10	10	138	61.38	70.51	5	8	19.5	40	3059
	20HC-65-15	15	198	64.5	73.63					4117
	20HC-65-20	20	258	67.8	76.93					5801
80	20HC-80-10	10	138	67.1	76.98	5.5	8	21.25	44	3663
	20HC-80-15	15	198	70.21	80.09					4808
	20HC-80-20	20	258	73.56	83.44					6674

Other sizes available, consult factory.

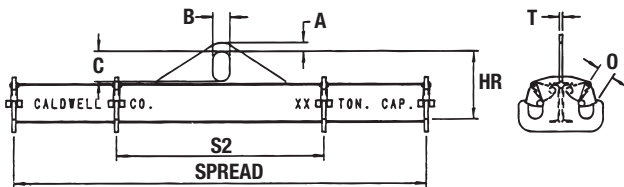


Model 22

Heavy-Duty Twin Basket Sling Lifting Beam



MODEL 22



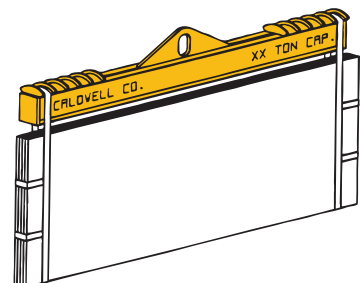
Product Features:

- Designed to be used with slings in a basket hitch
- Specially designed hooks with hook latches minimize potential sling damage
- Two sets of fixed hooks are standard in all lengths over 4'
- The inner set of hooks (S2) are 1/2 the overall spread
- Extra spreads available upon request
- Complies with ASME standards

Cap. (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)												Other Dimensions (in.)	
		3	4	6	8	10	12	14	16	18	20	24	30		
1/2	Model Number	22-1-2-3	22-1-2-4	22-1-2-6	22-1-2-8	22-1-2-10	22-1-2-12	22-1-2-14	22-1-2-16	22-1-2-18	22-1-2-20	22-1-2-24	22-1-2-30	A=7/8	T=3/4
	HR Headroom	8-1/2	8-1/2	8-1/2	8-1/2	9-1/2	9-1/2	10-1/2	10-1/2	11-1/2	11-1/2	12-1/2	13-1/2	B=3	O=1-1/16
1	Model Number	22-1-3	22-1-4	22-1-6	22-1-8	22-1-10	22-1-12	22-1-14	22-1-16	22-1-18	22-1-20	22-1-24	22-1-30	A=7/8	T=3/4
	HR Headroom	8-1/2	8-1/2	9-1/2	10-1/2	10-1/2	11-1/2	11-1/2	12-1/2	13-1/2	13-1/2	15-1/2	15-1/2	B=3	O=1-1/8
2	Model Number	22-2-3	22-2-4	22-2-6	22-2-8	22-2-10	22-2-12	22-2-14	22-2-16	22-2-18	22-2-20	22-2-24	22-2-30	A=7/8	T=3/4
	HR Headroom	9-1/2	10-1/2	10-1/2	11-1/2	12-1/2	13-1/2	13-1/2	14-1/2	15-1/2	15-1/2	17-1/2	20-1/2	B=3	O=1-1/8
5	Model Number	22-5-3	22-5-4	22-5-6	22-5-8	22-5-10	22-5-12	22-5-14*	22-5-16*	22-5-18*	22-5-20*	22-5-24*	22-5-30*	A=2	T=1
	HR Headroom	13-1/2	14-1/2	15-1/2	16-1/2	16-1/2	16-1/2	19	19-1/2	22-1/2	22-1/2	22-1/2	25-1/2	B=4	T=1-1/4*
7-1/2	Model Number	22-7	22-7	22-7	22-7	22-7	22-7	22-7	22-7	22-7	22-7	22-7	22-7	A=2	T=1
	HR Headroom	1/2-3	1/2-4	1/2-6	1/2-8	1/2-10	1/2-12	1/2-14	1/2-16	1/2-18	1/2-20	1/2-24	1/2-30	B=4	T=1-1/4
10	Model Number	22-10-3	22-10-4	22-10-6	22-10-8	22-10-10	22-10-12	22-10-14	22-10-16	22-10-18	22-10-20	22-10-24	22-10-30	A=2	T=1-1/4
	HR Headroom	15-1/2	16-1/2	17-1/2	19-1/2	22-1/2	19-1/2	22-1/2	22-1/2	25-1/2	25-1/2	25-1/2	25-1/2	B=4	O=1-3/4
15	Model Number	22-15-3	22-15-4	22-15-6	22-15-8	22-15-10	22-15-12	22-15-14	22-15-16	22-15-18	22-15-20	22-15-24	22-15-30	A=2-1/2	T=1-1/2
	HR Headroom	18-1/2	19-1/2	21-1/2	21-1/2	24-1/2	27-1/2	27-1/2	27-1/2	27-1/2	27-1/2	27-1/2	30	B=5	O=4
20	Model Number	22-20-3	22-20-4	22-20-6	22-20-8	22-20-10	22-20-12	22-20-14	22-20-16	22-20-18	22-20-20	22-20-24	22-20-30	A=2-1/2	T=1-1/2
	HR Headroom	19-1/2	21-1/2	21-1/2	24-1/2	24-1/2	24-1/2	27-1/2	27-1/2	27-1/2	27-1/2	31	31	B=5	O=4
	Weight	253	328	910	1000	1150	1740	1935	2210	2480	2755	3500	4500	C=7	

Model 22G - custom designed lifter with segmented sling saddle on the top of the beam can further reduce beam headroom and increased sling spread adjustment.

Model 22G: Choose a custom designed lifter with a segmented sling saddle on the top of the beam to further reduce headroom and increase spread adjustments.



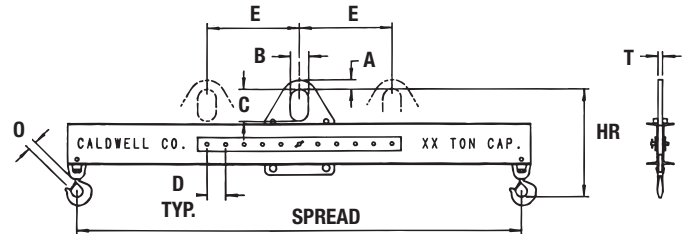
Model 24

Adjustable Bail Lifting Beam

Off-center loads are easier than ever with the **Model 24 Adjustable Bail Lifting Beam**. Simply slide the bail along the channel and lock it into preset positions. Simple concept. Fantastic results.



MODEL 24



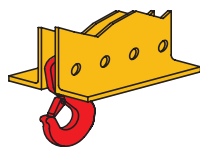
Product Features:

- Handles off-center loads by adjusting the bail before a lift
- Adjustable spread options available
- Swivel hooks with hook latches standard
- Wide range of sizes and capacities available
- Complies with ASME standards

Rated Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)										Other Dimensions (in.)	
		3	4	6	8	10	12	14	16	18	20		
1/2	Model Number HR Headroom Weight	24-1/2-3 13-1/2 47	24-1/2-4 13-1/2 56	24-1/2-6 13-1/2 75	24-1/2-8 12-5/8 82	24-1/2-10 13-1/2 95	24-1/2-12 13-1/2 147	24-1/2-14 13-1/2 168	24-1/2-16 14-1/2 255	24-1/2-18 14-1/2 278	24-1/2-20 14-1/2 304	A=1-1/2 B=3 C=5	T=5/8 O=1
1	Model Number HR Headroom Weight	24-1-3 13-1/2 47	24-1-4 13-5/8 56	24-1-6 13-5/8 83	24-1-8 14-5/8 126	24-1-10 14-5/8 170	24-1-12 14-5/8 198	24-1-14 15-5/8 268	24-1-16 15-5/8 298	24-1-18 16-1/2 409	24-1-20 16-1/2 449	A=1-1/2 B=3 C=5	T=5/8 O=1
2	Model Number HR Headroom Weight	24-2-3 14 48	24-2-4 15-1/8 89	24-2-6 15-1/8 117	24-2-8 16-1/8 170	24-2-10 18-1/2 240	24-2-12 17-1/8 278	24-2-14 18-1/4 369	24-2-16 18-1/4 416	24-2-18 19-1/2 547	24-2-20 19-1/2 605	A=1-1/2 B=3 C=5	T=3/4 O=1
5	Model Number HR Headroom Weight	24-5-3 21-1/2 140	24-5-4 21-1/2 160	24-5-6 21-1/2 215	24-5-8 22-1/2 304	24-5-10 23-1/2 430	24-5-12 27 633	24-5-14* 27 664	24-5-16* 28 746	24-5-18* 29 1321	24-5-20* 30-3/8 1525	A=2 B=4 C=7	T=1 O=1 O=1-1/2*
10	Model Number HR Headroom Weight	24-10-3 25-3/4 210	24-10-4 25-3/4 211	24-10-6 28-3/4 432	24-10-8 28-3/4 522	24-10-10 31-3/4 759	24-10-12 31-3/4 993	24-10-14 31-3/4 1128	24-10-16 31-3/4 1257	24-10-18 34-3/4 1738	24-10-20 34-3/4 1908	A=2 B=4 C=7	T=1-1/4 O=1-3/4
15	Model Number HR Headroom Weight	24-15-3 28-1/4 252	24-15-4 30-1/2 330	24-15-6 33-1/2 502	24-15-8 33-1/2 542	24-15-10 33-1/2 882	24-15-12 37 1455	24-15-14 37 1630	24-15-16 37 1800			A=2-1/2 B=5 C=9	T=1-1/2 O=2
20	Model Number HR Headroom Weight	24-20-3 31 315	24-20-4 34 399	24-20-6 37 735	24-20-8 37 720	24-20-10 37 1276	24-20-12 37 1251					A=2-1/2 B=5 C=9	T=1-1/2 O=2

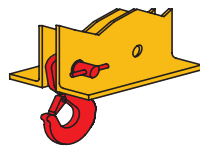
Other Dimensions (in.)	D=3 E=6	D=3 E=9	D=3 E=12	D=4 E=16	D=4 E=20	D=4 E=24	D=6 E=30	D=6 E=36	D=6 E=42	D=6 E=48
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PRODUCT OPTIONS



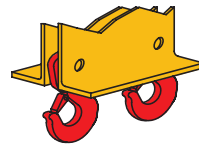
OPTION A Extra Holes

Allows for multiple hook positioning. Specify number and spread(s) required.
*Could increase headroom.



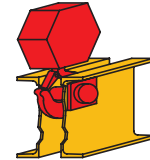
OPTION B Faspins

For ease of positioning hooks with quick release. Specify number of faspins required.



OPTION C Extra Hooks

Allows for multiple pick points. Specify number of hooks required.



OPTION D Pin Type Bail

Lifting pin located between structural channel. (Hoist hook information must be supplied.)

Model 26

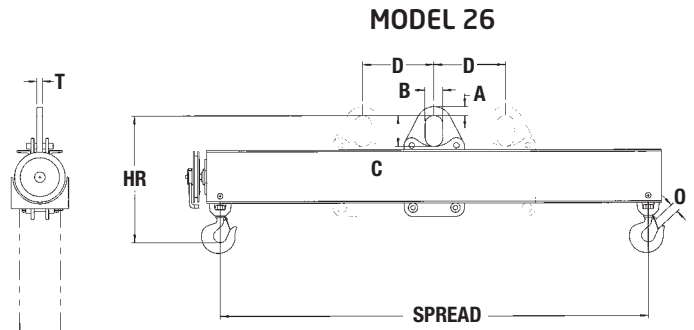
Load Leveler Lifting Beam

Like the Model 24, the **Model 26 Load Leveler Lifting Beam** gives you the ability to slide the bail to handle off-center loads. But with this design, you can place the bail literally anywhere ... no preset slots to lock into. So you have complete control.



Product Features:

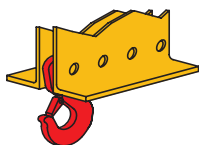
- Handles off-center loads by adjusting the bail before a lift
- Infinite adjustment of bail within range
- Swivel hooks with hook latches standard
- Wide range of sizes and capacities available
- Complies with ASME standards



Rated Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)										Other Dimensions (in.)	
		4	6	8	10	12	14	16	18	20	24		
2	Model Number	26-2-4	26-2-6	26-2-8	26-2-10	26-2-12	26-2-14	26-2-16	26-2-18	26-2-20	26-2-24	A=1-1/2 B=3 C=5	T=5/8 O=1
	HR Headroom Weight	15-1/8 135	15-1/8 185	16-1/8 260	17-1/8 329	17-1/8 377	18-1/8 481	18-1/8 538	19-1/8 680	19-1/8 750	20-1/8 1265		
5	Model Number	26-5-4	26-5-6	26-5-8	26-5-10	26-5-12	26-5-14	26-5-16	26-5-18	26-5-20	26-5-24	A=2 B=4 C=7	T=1 O=1
	HR Headroom Weight	21-1/2 170	21-1/2 270	23-1/2 382	23-1/2 475	25-1/2 681	25-1/2 777	25-1/2 950	28-1/2 1455	28-1/2 1603	28-1/2 2345		
10	Model Number	26-10-4	26-10-6	26-10-8	26-10-10	26-10-12	26-10-14	26-10-16	26-10-18	26-10-20	26-10-24	A=2 B=4 C=7	T=1-1/4 O=1-3/4
	HR Headroom Weight	25-3/4 257	28-3/4 440	28-3/4 522	31-3/4 940	31-3/4 1094	31-3/4 1243	31-3/4 1388	34-3/4 1875	34-3/4 2056	34-3/4 2560		
15	Model Number	26-15-4	26-15-6	26-15-8	26-15-10	26-15-12	26-15-14	26-15-16				A=2-1/2 B=5 C=9	T=1-1/2 O=1-3/4
	HR Headroom Weight	30-1/2 376	33-1/2 565	33-1/2 622	33-1/2 972	36-1/2 1319	36-1/2 1418	36-1/2 1513					
20	Model Number	26-20-4	26-20-6	26-20-8	26-20-10	26-20-12						A=2-1/2 B=5 C=9	T=1-1/2 O=2
	HR Headroom Weight	34 445	37 798	37 900	37 1050	37 2250							

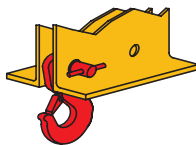
Bail Adjustment (in.)	D=8	D=12	D=16	D=20	D=24	D=28	D=32	D=36	D=40	D=48
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PRODUCT OPTIONS



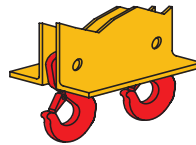
OPTION A Extra Holes

Allows for multiple hook positioning. Specify number and spread(s) required.
*Could increase headroom.



OPTION B Faspins

For ease of positioning hooks with quick release. Specify number of faspins required.



OPTION C Extra Hooks

Allows for multiple pick points. Specify number of hooks required.

**OPTION D
Motorized Adjustment**
Please see our Posi-Leveler™ at CaldwellInc.com.

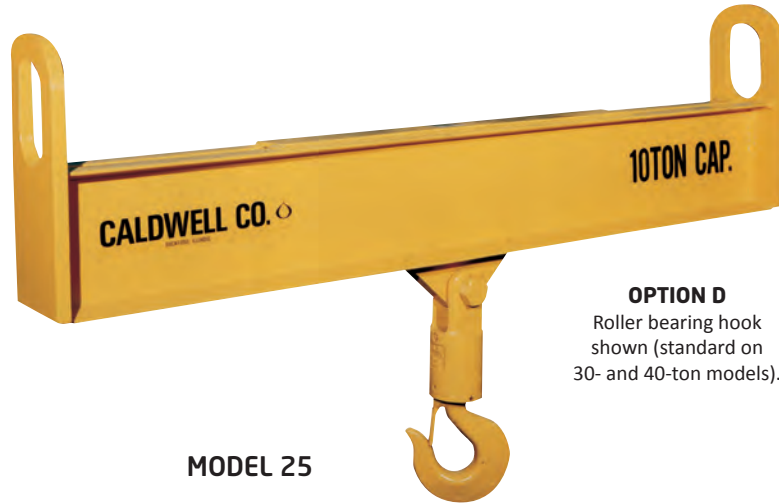
Model 25

Twin Hoist Lifting Beam

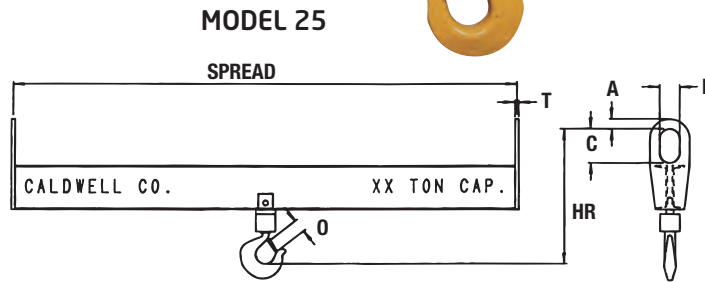
When you hook this **Model 25 Twin Hoist Lifting Beam** up to a hoist at each end, you have created a custom lifting device of sorts. By using the hoists in tandem, you increase load stability, which improves load safety.

Product Features:

- Use two or more hoists to increase lifting stability
- Swivel hook with hook latch
- Several options are available for added versatility
- Complies with ASME standards



OPTION D
Roller bearing hook shown (standard on 30- and 40-ton models).

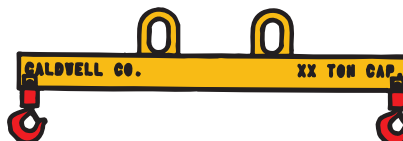


Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)									Other Dimensions (in.)	
		6	8	10	12	14	16	18	20	24		
2	Model Number HR Headroom Weight	25-2-6 16-3/4 125	25-2-8 16-3/4 160	25-2-10 17-3/4 240	25-2-12 17-3/4 280	25-2-14 18-3/4 360	25-2-16 18-3/4 400	25-2-18 18-3/4 530	25-2-20 18-3/4 660	25-2-24 19-3/4 790	A=1-1/2 B=3 C=5	T=5/8 O=1-1/8
4	Model Number HR Headroom Weight	25-4-6 20 160	25-4-8 21 240	25-4-10 22 310	25-4-12 23 410	25-4-14 23 500	25-4-16 25 725	25-4-18 25 805	25-4-20 25 890	25-4-24 26 1695	A=1-1/2 B=3 C=5	T=5/8 O=1-1/2
6	Model Number HR Headroom Weight	25-6-6 27-1/2 220	25-6-8 28-1/2 300	25-6-10 28-1/2 380	25-6-12 30-1/2 550	25-6-14 30-1/2 640	25-6-16 30-1/2 780	25-6-18 30-1/2 1310	25-6-20 30-1/2 1450	25-6-24 31-1/2 1735	A=1-1/2 B=3 C=5	T=3/4 O=2-1/16
10	Model Number HR Headroom Weight	25-10-6 29 340	25-10-8 29 420	25-10-10 32 800	25-10-12 32 920	25-10-14 32 1100	25-10-16 32 1220	25-10-18 32 1705	25-10-20 32 1840	25-10-24 33 2230	A=2 B=4 C=7	T=1 O=2-1/4
15	Model Number HR Headroom Weight		25-15-8 38-1/4 740	25-15-10 38-1/4 865	25-15-12 38-1/4 1050	25-15-14 41-1/4 1930	25-15-16 41-1/2 2158	25-15-18 41-1/2 2290	25-15-20 41-1/2 2500		A=2 B=4 C=7	T=1-1/4 O=2-1/4
20	Model Number HR Headroom Weight		25-20-8 35-1/2 830	25-20-10 38-1/2 1130	25-20-12 38-1/2 1266	25-20-14 38-1/2 1926	25-20-16 38-1/2 2196	25-20-18 38-1/2 2430			A=2 B=4 C=7	T=1-1/4 O=3
30	Model Number HR Headroom Weight		25-30-8 54 1120	25-30-10 54 1325	25-30-12 54 1610						A=2-1/2 B=5 C=9	T=1-1/2 O=3-3/4
40	Model Number HR Headroom Weight		25-40-8 58-1/2 1165	25-40-10 58-1/2 1470	25-40-12 58-1/2 1700						A=2-1/2 B=5 C=9	T=1-1/2 O=4-1/4

PRODUCT OPTIONS



OPTION A
Off-set hook for hoists of different capacities.



OPTION B
Multiple load hooks, some outside the bail span.



OPTION C
Center bail and extra pair of hooks for maximum versatility.

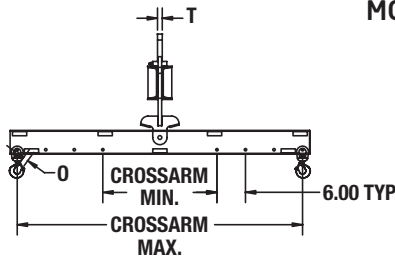
Model 27SD

Standard Adjustable 4-Point Lifting Beam

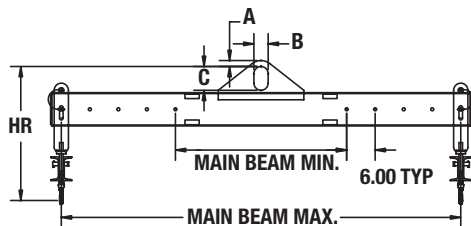
Handle large loads using multiple pick points. Choose from 3-, 5-, or 10-ton capacities with adjustable spreads. For customizations, choose the Model 27F.

Product Features:

- Low-headroom design
- Swivel hooks with latches standard
- Adjustable spreads on 1' increments
- Faspins for easy crossarm adjustment
- Complies with ASME standards



MODEL 27SD



Model Number	Capacity (tons)	Dimensions (inches)								Weight (lbs.)
		Main Beam Min./ Max.	Crossarms Min./Max.	HR	Bail					
					A	B	C	T	O	
27SD-3-84/60	3	36/84	24/60	28.2	1.25	3	5	1	0.97	375
27SD-5-120/96	5	48/120	36/96	32.7	2	4	7	1.25	1.06	760
27SD-10-144/96	10	72/144	36/96	42.0	2	4	7	1.25	1.41	1530

Custom sizes and capacities available. Please fill out the Lifting Beam Application Evaluation on page 30

WARNING

For all Model 27s, lifts can be unstable when connecting below the load's center of gravity. Consult Caldwell for more information.

Model 27F

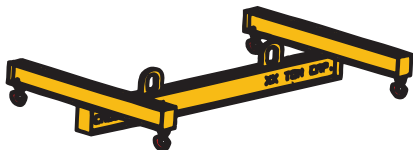
4-Point Lifting Beams

Choose from three design options to build a custom 4-point beam for your specific application: Multiple Bails, Adjustable Bail, or Adjustable Spread. Complies with ASME standards.

Model Number	Specifications
Model 27F	Call 800.628.4263 for details



PRODUCT OPTIONS



OPTION A
Multiple Bails

Use 2 or 4 hoists to increase lifting stability.



OPTION B
Adjustable Bail

Used when load-leveling capability is required along length of load.



OPTION C
Adjustable Spread

Use when adjustability in length and width is required.

Application Evaluation

LOAD INFORMATION:

Describe load: _____

Maximum weight: _____

Number of pickup points: _____

Distance between (spacing) pickup points: _____

Is load center of gravity centered between outer pick points? ☐ Yes ☐ No

If no, specify location in reference to pick points (attach a diagram if necessary): _____

What type of attachment to the load?

☐ Shackles ☐ Swivel Hooks ☐ Lifting Slings ☐ Other (specify) _____

Describe specific requirements: _____

CRANE INFORMATION:

Approximate distance between load and crane: _____

SINGLE CRANE HOIST INFORMATION:

Capacity: _____

ID Markings: _____

CRANE HOOK DATA:

Hook Manufacturer: _____

Hook Size: _____

ID Markings: _____

INCHES

A _____ +0

B _____ +0

C _____ +0

D _____ -0

E _____ -0

F _____ +/-

G _____ -0

H _____ -0

DUAL CRANE HOIST INFORMATION:

Distance between: _____

Same capacity? ☐ Yes ☐ No

If no, specify capacities: _____

Contact: _____

Company: _____

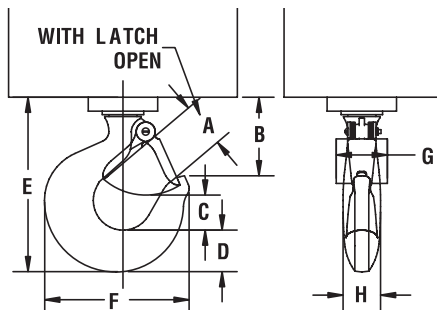
Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____



MEASUREMENT TOLERANCES

+0 = Measurement should be no larger but can be smaller than actual.

-0 = Measurement should be no smaller but can be larger than actual.

+/- = Measurement can be larger or smaller than actual.

For a price quote on your specific application,
please complete the above form and fax to
The Caldwell Group at **815-229-5686**
or you can complete this form online at
www.caldwellinc.com/applications.

Model 30

Fixed Spreader Beams

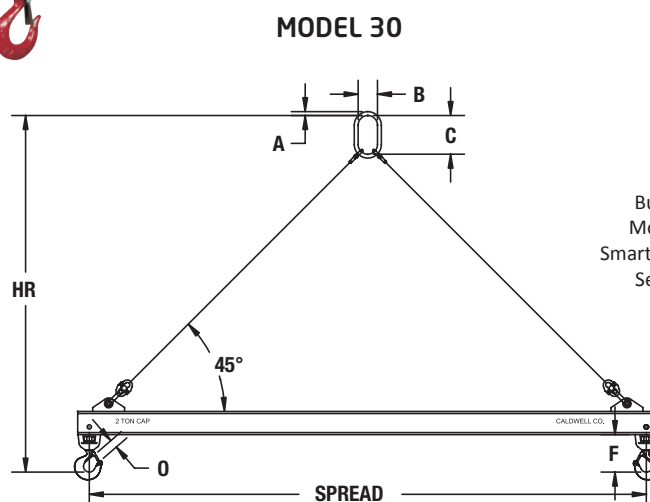
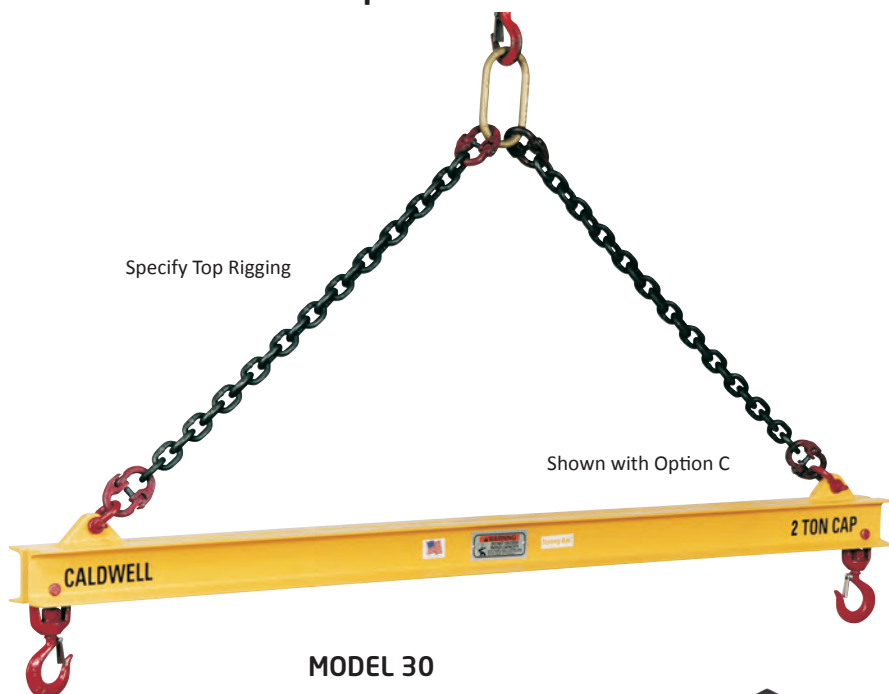
Not all picks require low-headroom beams. And sometimes you need the extra stability of a chain or wire rope rigging. In those situations, the **Model 30 Fixed Spreader Beam** is the right choice.

Product Features:

- Ideal where headroom is not limited
- Adds stability to lift
- Available with standard chain or wire rope rigging
- Available with Adjust-A-Leg® rigging for off-center load adjustment (minimum lifting capacity will be approximately 10-15% of beam rating)
- Wide range of additional sizes and capacities available
- Complies with ASME standards

Rigging Options:

- Option A – Adjust-A-Leg® sling top rigging for off-n load adjustment
- Option C – Chain top rigging from beam to crane hook
- Option W – Wire rope top rigging from beam to crane hook



Build & quote a custom Model 30 beam with the SmartSpec Online Configurator. See page 48 for details.

Capacity (tons)	Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)								Other Dimensions (in.)	
		4	6	8	10	12	16	20	24		
2	Model Number	30-2-4	30-2-6	30-2-8	30-2-10	30-2-12	30-2-16	30-2-20	30-2-24	A=1/2 B=2-1/2 C=5	F=4-1/4 O=31/32
	HR Headroom	34	46	58	70	82	106	132	156		
5	Model Number	30-5-4	30-5-6	30-5-8	30-5-10	30-5-12	30-5-16	30-5-20	30-5-24	A=1 B=3-1/2 C=7	F=6 O=1-1/16
	HR Headroom	37	49	61	73	83	110	134	158		
10	Model Number	30-10-4	30-10-6	30-10-8	30-10-10	30-10-12	30-10-16	30-10-20	30-10-24	A=1-1/4 B=4-3/8 C=8-3/4	F=8-1/8 O=1-1/2
	HR Headroom	41	53	64	77	86	113	138	163		
15	Model Number	30-15-4	30-15-6	30-15-8	30-15-10	30-15-12	30-15-16	30-15-20	30-15-24	A=1-1/2 B=5-1/4 C=10-1/2	F=9-1/4 O=1-3/4
	HR Headroom	43	55	65	80	92	116	140	167		
20	Model Number	30-20-4	30-20-6	30-20-8	30-20-10	30-20-12	30-20-16	30-20-20	30-20-24	A=1-3/4 B=6 C=12	F=9-3/4 O=2
	HR Headroom	46	58	69	82	94	118	140	170		
30	Model Number		30-30-6	30-30-8	30-30-10	30-30-12	30-30-16	30-30-20		A=2 B=7 C=14	F=13 O=2-3/4
	HR Headroom		60	70	83	95	120	145			
40	Model Number		30-40-6	30-40-8	30-40-10	30-40-12	30-40-16				
	HR Headroom		65	77	89	102	127				
	Weight		563	695	781	1058	1364				

NOTE: Weight = Beam and hooks only - (no top rigging).

Model 32

Adjustable Spreader Beams



In-Stock



Build & quote a custom Model 32 beam with the SmartSpec Online Configurator. See page 48 for details.

Product Features:

- Ideal where headroom is not limited
- Adds stability to lift
- Telescopic spread standard
- Spread adjusts in 12" increments
- Available with standard chain or wire rope rigging
- Complies with ASME standards
- Choose from a wide range of sizes and capacities
- Telescoping adjustment at 12 inch increments
- Custom designs available

Rigging Options:

- OPTION C: Chain top rigging from beam to crane hook with coupler attachment. For ordering Model C's - Example: 32C-2-4/6
- OPTION W: Wire rope top rigging from beam to crane hook. WR Lug required for 25-40 ton capacity beams. For ordering Model W's - Example: 32W-2-4/6

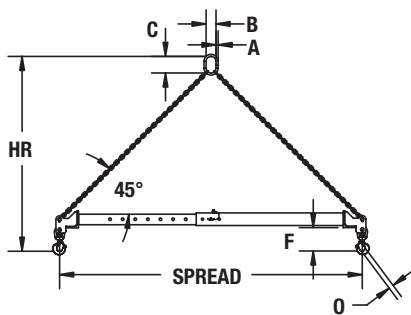


Specify Top Rigging Shown with Option C



Specify Top Rigging Shown with Option C

MODEL 32



Cap. (tons)	Model Number	Spread (ft.) Min./Max.	HR Headroom Min./Max. w/chain (in.)	Weight Beam & Hooks (lbs.)	A Oblong Dia. (in.)	B Oblong Width (in.)	C Oblong Height (in.)	F - Hook To Beam Bottom (in.)	O - Hook Opening w/latch (in.)	Chain Rigging Weight (lbs.)
2	32-2-4/6	4 / 6	48/57	70	1/2	2.36	3.94	5.5	0.97	9
	32-2-6/10	6 / 10	72/88	85						13
	32-2-8/14	8 / 14	96/113	175						17
	32-2-12/20	12 / 20	132/166	245						23
5	32-5-4/6	4 / 6	55/64	105	1	5.38	7.09	8.4	1.41	34
	32-5-6/10	6 / 10	79/95	160						47
	32-5-8/14	8 / 14	102/126	205						61
	32-5-12/20	12 / 20	138/172	670						82
10	32-10-4/6	4 / 6	60/69	130	1-1/4	5.71	10.83	10.6	1.78	49
	32-10-6/10	6 / 10	74/111	175						69
	32-10-8/14	8 / 14	108/132	460						88
	32-10-12/20	12 / 20	144/163	680						118
15	32-15-4/6	4 / 6	64/72	165	1-1/2	5.90	10.5	13.6	2.22	78
	32-15-6/10	6 / 10	87/104	365						111
	32-15-8/14	8 / 14	111/135	478						145
	32-15-12/20	12 / 20	147/180	700						194
20	32-20-7/11	7 / 11	93/107	430	1.75	6.0	12.0	14.2	2.27	175
	32-20-9/15	9 / 15	123/144	540						225
	32-20-12/20	12 / 20	151/180	822						275
25	32-25-7/11	7 / 11	98/107	430	2	7.0	14.0	14.2	2.27	240
	32-25-9/15	9 / 15	119/141	540						295
	32-25-12/20	12 / 20	149/179	825						365
30	32-30-7/11	7 / 11	102/115	615	2	7.0	14.0	18.3	3.02	240
	32-30-9/15	9 / 15	124/145	750						295
	32-30-12/20	12 / 20	154/183	1065						365
40	32-40-7/11	7 / 11	105/118	620	2.25	8.0	16.0	18.3	3.02	375
	32-40-9/15	9 / 15	127/148	840						470
	32-40-12/20	12 / 20	154/184	1500						565

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Model 82NC

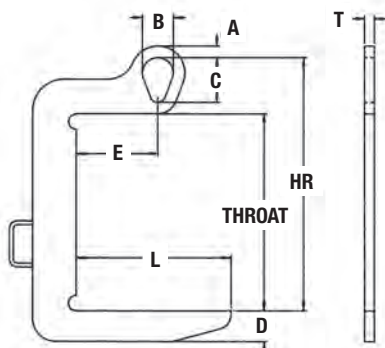
Narrow Coil C-Hook

Available in capacities from 1/2 ton to 5 tons. Choose a narrow hook to handle narrow coils with less coil edge damage than web slings. Unit will not hang level when empty.

Product Features:

- Handles narrow coils with less coil edge damage
- More durable than web slings
- Lightweight for easier handling
- Built-in guide handle for ease of coil positioning
- Available with optional curved coil saddle
- Inside radius on hooks avoid coil edge contact
- Complies with ASME standards

MODEL 82NC



NOTE: $E = (L \div 2) + 1/2$ inch.



WARNING

Load center of gravity must be in-line with the center of the hoist.



Build & quote a custom Model 82NC hook with the SmartSpec Online Configurator. See page 48 for details.



*Will not hang level when empty.

Model Number	Capacity (tons)	Dimensions (inches)									Weight (lbs.)
		Coil Width Max.	Throat	Lifting Arm Plate Length L	Depth D	HR Headroom	Bail Dimensions				
							A	B	C	T	
82NC-1/2-8	1/2	8	14-1/2	8	2-1/4	18-1/2	13/16	2	3-1/4	1/2	14
82NC-1/2-12	1/2	12	14-1/2	12	2-5/8	18-1/2	13/16	2	3-1/4	1/2	17
82NC-1-8	1	8	17-1/2	8	2	21-1/2	13/16	2	3-1/4	1/2	15
82NC-1-16	1	16	17-1/2	16	2-1/2	21-1/2	13/16	2	3-1/4	1/2	20
82NC-2-8	2	8	19-1/2	8	2-1/8	24-9/16	1	2-9/16	4-1/16	3/4	22
82NC-2-16	2	16	19-1/2	16	3	24-9/16	1	2-9/16	4-1/16	3/4	40
82NC-3 1/2-12	3-1/2	12	21-1/2	12	2-7/8	28-1/8	1-3/16	3-5/8	5-5/16	1	50
82NC-3 1/2-16	3-1/2	16	21-1/2	16	3-3/8	28-1/8	1-3/16	3-5/8	5-5/16	1	63
82NC-5-16	5	16	25-1/2	16	3-1/2	32-13/16	1-1/2	4	5-13/16	1-1/4	94
82NC-5-20	5	20	25-1/2	20	4	32-13/16	1-1/2	4	5-13/16	1-1/4	110

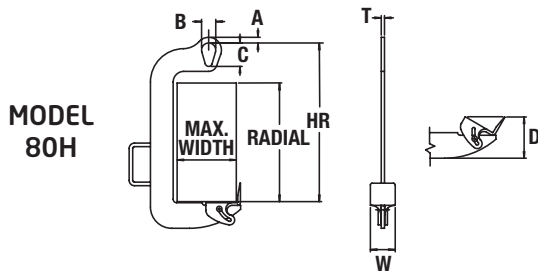
Model 80H

Dixon Coil Hook with Pivoting Wedge

It's all about the pivoting wedge on this unit. By maneuvering that wedge in between two stacked coils, an operator can separate them and begin a lift, allowing the rest of the hook to slide in and do its job.

Product Features:

- Easy horizontal to vertical upending of coils
- Pivoting wedge for easy tilting of stacked coils
- Wedge acts as retainer
- Efficient and easy to use
- Popular for use with small, lightweight coils
- For use where overhead clearance is limited
- Specially designed heat-treated pivoting wedge
- Complies with ASME standards



Build & quote a custom Model 80H hook with the SmartSpec Online Configurator. See page 48 for details.

Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Max. Width	Max. Radial	Min. I.D.	HR Headroom	A	B	C	D	T	W	
80H-1/2-6/13	1/2	6	13	9	19.1	13/16	2	3-5/16	6	1/2	3-1/2	20
80H-1/2-12/13	1/2	12	13	13	22	13/16	2	3-5/16	6	1/2	3-1/2	28
80H-1-8/16	1	8	16	10	22.8	13/16	2	3-5/16	6	1/2	3-1/2	23
80H-2-10/18	2	10	18	12-1/2	26	1	2-5/8	4	6-3/4	3/4	2	42
80H-3.5-12/20	3-1/2	12	20	14-1/2	30.6	1-3/16	3-5/8	5-5/16	7-3/4	1	2-1/2	80
80H-5-12/24	5	12	24	20-1/2	34.8	1-1/2	4	5-3/4	9.12	1-1/4	3	116

Other sizes available, consult factory.

In Stock Program - Green model numbers products ship in 48 hours. Excluding weekends and holidays.

PRODUCT OPERATION



Model 82

Heavy-Duty C-Hook

With capacities from 5 to 50 tons, this C-hook is built to perform. A mill favorite, the standard design shows up and does the work every day. Need customizations like padding for coil protection, other capacities, or something else? Call 800.628.4263 to talk about your application.

Product Features:

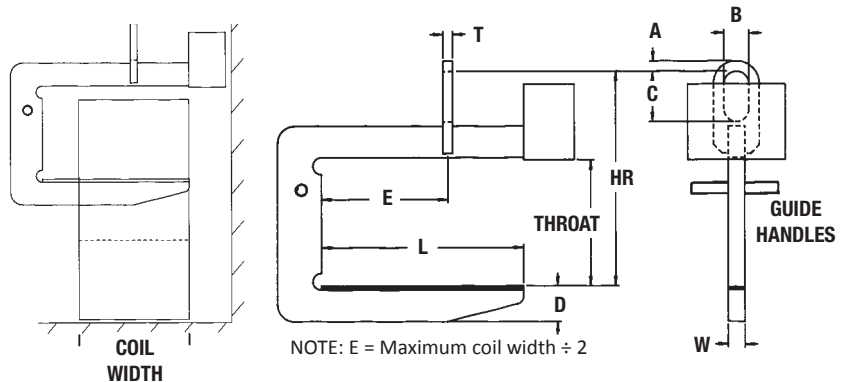
- Designed for heavy-duty applications
- High-tensile alloy steel plate reduces physical size and weight
- Counterbalanced to hang level when empty
- Inside radius on hooks avoid coil edge contact
- Curved coil saddle is standard
- Guide handles for ease of hook positioning
- Handles a wide range of coil widths
- Available with optional padding for additional coil protection
- Complies with ASME standards



Build & quote a custom Model 82 hook with the SmartSpec Online Configurator. See page 48 for details.



MODEL 82



Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil Width		Throat	Lifting Arm			HR Headroom	Bail Dimensions			Thk. T	
					Length L	Depth D	Width W		Opening				
		Max.	Min.						A	B	C		
82-5-36	5	36	24	24	30	5.54	4	37.5	1-1/2	4	7	1-1/4	438
82-5-48		48	30	24	39	6.125	4	38	1-1/2	4	7	1-1/4	564
82-5-60		60	36	24	48	6.8	4	38.75	1-1/2	4	7	1-1/4	724
82-7 1/2-36	7-1/2	36	24	24	30	5.9	4	37.75	1-1/2	4	7	1-1/2	615
82-7 1/2-48		48	30	24	39	6.6	4	38.5	1-1/2	4	7	1-1/2	805
82-7 1/2-60		60	36	24	48	7.2	4	39.2	1-1/2	4	7	1-1/2	980
82-10-48	10	48	30	24	39	7.6	4	41.5	2	5	9	1-3/4	968
82-10-60		60	36	24	48	7.5	4	41.375	2	5	9	1-3/4	1295
82-10-72		72	42	24	57	8.8	4	42.6	2	5	9	1-3/4	1712
82-15-48	15	48	30	30	39	7.4	4	47.25	2	5	9	1-3/4	1457
82-15-60		60	36	30	48	8.2	4	48	2	5	9	1-3/4	1908
82-15-72		72	42	30	57	8.9	4	48.75	2	5	9	1-3/4	2330
82-20-60	20	60	36	30	48	9.4	4	52.25	2-1/4	6	12	2	2307
82-20-72		72	42	30	57	10.4	4	53.25	2-1/4	6	12	2	2832
82-25-60	25	60	36	34	48	9.3	4	58	2-1/2	6	14	2-1/4	3109
82-25-72		72	42	34	57	10.13	4	58.9	2-1/2	6	14	2-1/4	3928
82-30-60	30	60	36	34	48	10	4	58.75	2-3/4	6	14	2-1/2	3400
82-30-72		72	42	34	57	10.9	4	59.7	2-3/4	6	14	2-1/2	5567
82-40-72	40	72	42	38	57	11.4	5	68.14	3-1/4	7	18	3	5850
82-50-84	50	84	48	45	64-1/2	13.13	6	77	3-3/4	7	18	3	8685

Other sizes available, consult factory.

Model 82RC

Close-Stacking C-Hook

When space is tight and the loads are heavy, this is the hook for the job. Based off Caldwell's best-selling Model 82, the Model 82RC features a recessed counterweight that allows you to stack coils closer together, making the most of the space you have available.

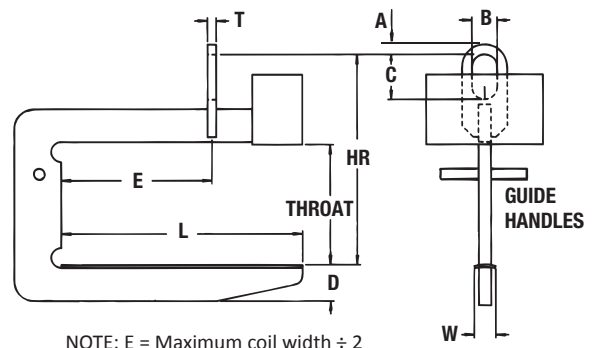
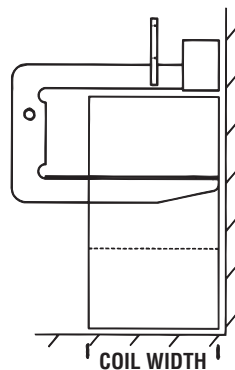
Product Features:

- Recessed counterweight allows for close stacking of coils, which maximizes floor space
- Handles a wide range of coil widths
- Designed for heavy-duty application
- High-tensile alloy steel plate reduces physical size and weight
- Counterbalanced to hang level when empty
- Inside radius on hooks avoid coil edge contact
- Curved coil saddle is standard
- Guide handle for ease of hook positioning
- Available with optional padding for additional coil protection
- Complies with ASME standards



Build & quote a custom Model 82RC hook with the SmartSpec Online Configurator. See page 48 for details.

MODEL 82 RC



 **WARNING**

Center of the hoist and bail must be in-line with the load's center of gravity.

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil Width		Throat	Lifting Arm			HR Headroom	Bail Dimensions				
		Max.	Min.		Length L	Depth D	Width W		Opening A	B	C	Thk. T	
82RC-5-36	5	36	24	24	30	5-5/16	4	37-1/4	1-1/2	4	7	1-1/4	550
82RC-5-48		48	30	24	39	6-1/8	4	38-1/16	1-1/2	4	7	1-1/4	707
82RC-5-60		60	36	24	48	6-15/16	4	39	1-1/2	4	7	1-1/4	853
82RC-7 1/2-36	7-1/2	36	24	24	30	5-5/8	4	37-1/2	1-1/2	4	7	1-1/2	750
82RC-7 1/2-48		48	30	24	39	6-3/8	4	38-1/4	1-1/2	4	7	1-1/2	996
82RC-7 1/2-60		60	36	24	48	6-15/16	4	39	1-1/2	4	7	1-1/2	1161
82RC-10-48	10	48	30	24	39	7-3/16	4	41-1/4	2	5	9	1-3/4	1200
82RC-10-60		60	36	24	48	7-5/8	4	41-1/2	2	5	9	1-3/4	1645
82RC-10-72		72	42	24	57	7-1/4	4	41-1/8	2	5	9	1-3/4	2100
82RC-15-48	15	48	30	30	39	7-1/4	4	47-7/8	2	5	9	1-3/4	2054
82RC-15-60		60	36	30	48	8	4	48	2-1/4	5	9	1-3/4	2410
82RC-15-72		72	42	30	57	8-3/4	4	48-3/4	2	5	9	1-3/4	2814
82RC-20-60	20	60	36	30	48	9-1/8	4	52-1/8	2-1/4	6	12	2	2864
82RC-20-72		72	42	30	57	9-3/4	4	52-1/2	2-1/4	6	12	2	2951
82RC-25-60	25	60	36	34	48	9	4	57-3/4	2-1/2	6	14	2-1/4	3077
82RC-25-72		72	42	34	57	9-3/4	4	58-3/4	2-1/2	6	14	2-1/4	3570
82RC-30-60	30	60	36	34	48	9-7/8	4	58-3/4	2-3/4	6	14	2-1/2	3480
82RC-30-72		72	42	34	57	10-5/8	4	59-3/8	2-3/4	6	14	2-1/2	4260
82RC-40-72	40	72	42	38	57	11	5	68	3-1/4	7	18	3	6100

Counterweight extends beyond arm one-half of the counterweight width, in capacities 25 ton and greater. Other sizes available, consult factory.

Model 82LA

Slit Coil C-Hook

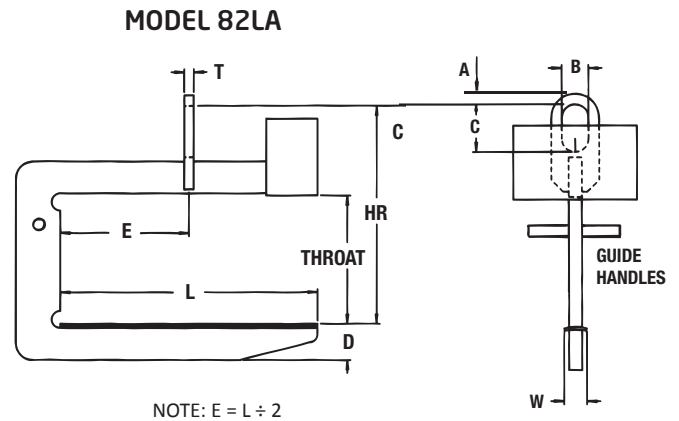
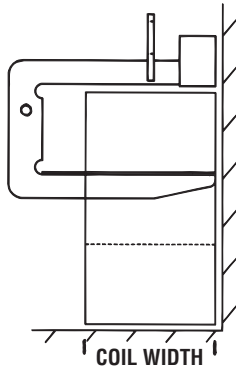
Efficiency matters. And when you can move more than one slit coil at a time, crane operators save time and, therefore, money. Set them up for success with Caldwell's Model 82LA.

Product Features:

- Designed for heavy-duty applications
- Handles multiple slit coils which maximizes handling efficiency
- Recessed counterweight minimizes interference with equipment or other obstacles
- High-tensile alloy steel plate reduces physical size and weight
- Counterbalanced to hang level when empty
- Inside radius on hooks avoid coil edge contact
- Curved coil saddle is standard
- Guide handles for ease of hook positioning
- Available with optional padding for additional coil protection
- Complies with ASME standards



Build & quote a custom Model 82LA hook with the SmartSpec Online Configurator. See page 48 for details.



Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Coil Width Max.	Throat	Lifting Arm				Bail Dimensions				
				Length L	Depth D	Width W	HR Headroom	Opening			Thk. T	
								A	B	C		
82LA-5-36	5	36	24	36	5.5	4	37.5	1-1/2	4	7	1-1/4	450
82LA-5-48		48	24	48	6.2	4	38.2	1-1/2	4	7	1-1/4	555
82LA-5-60		60	24	60	7	4	38.9	1-1/2	4	7	1-1/4	680
82LA-7 1/2-36	7-1/2	36	24	36	5.8	4	37.75	1-1/2	4	7	1-1/2	600
82LA-7 1/2-48		48	24	48	6.6	4	38.5	1-1/2	4	7	1-1/2	765
82LA-7 1/2-60		60	24	60	7-1/8	4	39	1-1/2	4	7	1-1/2	902
82LA-10-48	10	48	24	48	7.5	4	41.4	2	5	9	1-3/4	946
82LA-10-60		60	24	60	7-5/16	4	41.6	2	5	9	1-3/4	1281
82LA-10-72		72	24	72	8.25	4	42-1/8	2	5	9	1-3/4	1510
82LA-15-48	15	48	30	48	7.4	4	47.25	2	5	9	1-3/4	1465
82LA-15-60		60	30	60	8.2	4	48	2	5	9	1-3/4	1760
82LA-15-72		72	30	72	9	4	48-3/4	2	5	9	1-3/4	2100
82LA-20-60	20	60	30	60	9.3	4	52-1/8	2.25	6	12	2	2150
82LA-20-72		72	30	72	10.7	4	53.5	2.25	6	12	2	2580
82LA-25-60	25	60	34	60	9.25	4	58	2.5	6	14	2.25	2910
82LA-25-72		72	34	72	10.7	4	58-1/2	2.5	6	14	2.25	3500
82LA-30-72	30	72	34	72	11	4	59.9	2.75	6	14	2.5	3802

Other sizes available, consult factory.

Model 83EW

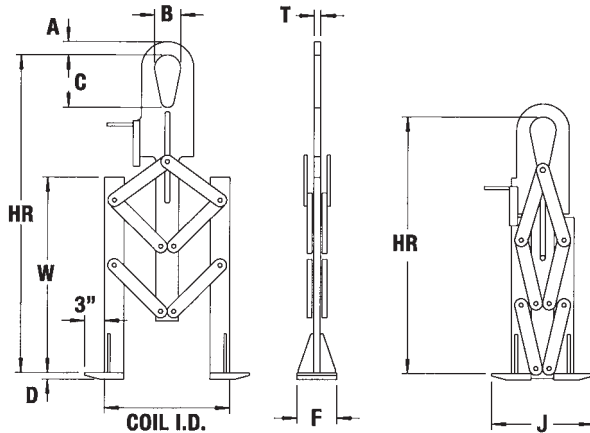
Extended Width Vertical "Eye" Coil Lifter

Vertical coil lifting presents unique challenges, but the Caldwell Model 83EW is ready to conquer. Simply insert the unit in the I.D. of the coil (stored on spacers, of course), placing the feet under the coil itself. The lifter legs automatically adjust to the walls of the coil I.D. so a safe lift can proceed.

Product Features:

- Handles any size coil I.D. from 16" to 24"
- Lifter legs automatically adjust to coil I.D. being lifted
- Has higher capacity than standard lifter
- Unique design minimizes dunnage required between coils
- Complies with ASME standards

MODEL 83EW



Model Number	Capacity (tons)	Dimensions (inches)												Weight.
		Coil I.D.		Coil Width	HR Headroom		Bail Dimensions				Foot Dimensions			
		Min.	Max.	W	Open	Closed	A	B	C	T	F	D	J	
83EW-1/2-24	1/2	16	24	20	36	30-7/8	1-1/4	3	5	5/8	5	1/2	14-1/2	90
83EW-2 1/2-24	2-1/2	16	24	24	44	37-1/2	1-1/2	3	5	3/4	5	3/4	15-1/2	125
83EW-5-24	5	16	24	30	47	40-3/8	2	4	7	1	6	1	15-1/2	170
83EW-7 1/2-24	7-1/2	16	24	30	47	40-3/8	2	4	8	1	6	1	15-1/2	170

Other sizes available, consult factory.

See the
Model 83EW
In Action!



Visit the Caldwell YouTube channel to see a demo of the Model 83EW. Technical Sales Rep Bill Gridley shows you how it works here:



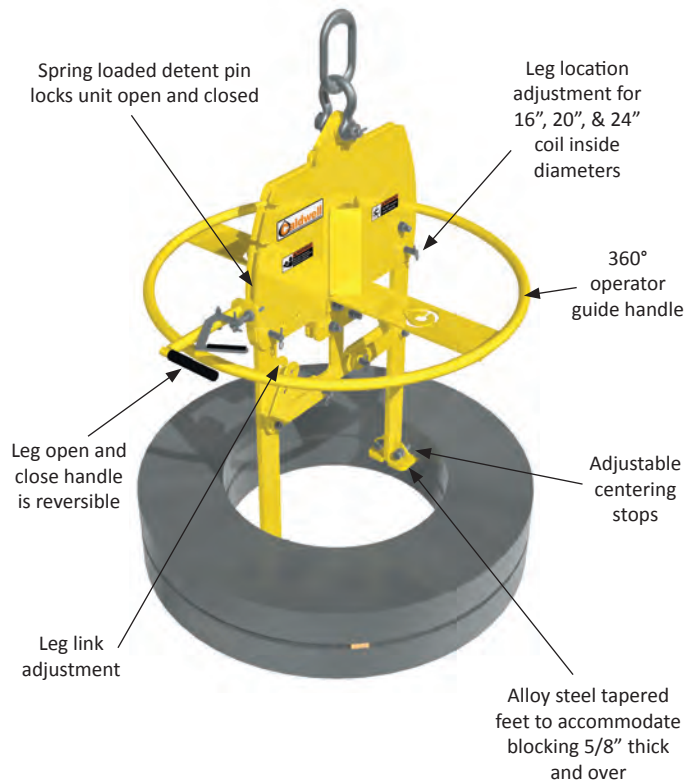
Model 83E

Ergonomic Vertical "Eye" Coil Lifter

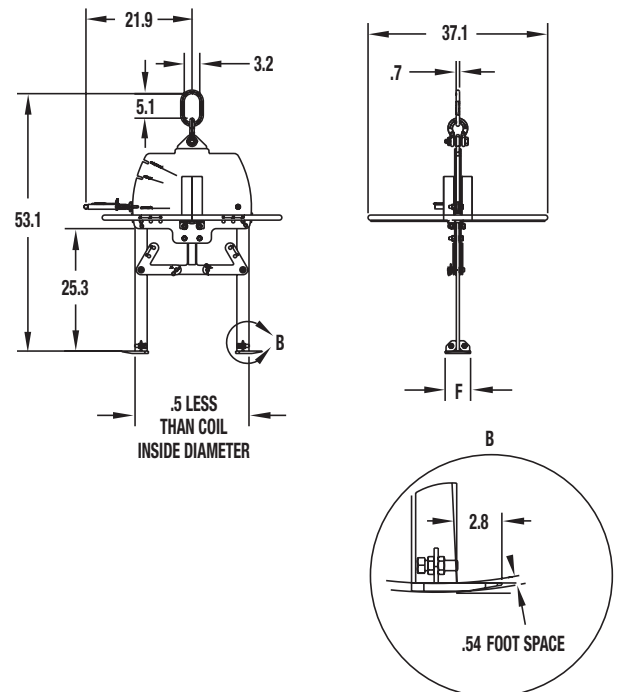
Product Features:

- Efficient handling of vertically stacked coils
- Handles coils with ID's of 16", 20", and 24"
- Ergonomic handles and guide
- Horizontal handle with pin lever is easy to actuate
- Spring-loaded lever can be set for right- or left-handed operation
- Unique 360° guide handle is easily accessed from any location
- Optimized foot accommodates 5/8" blocking
- Complies with ASME standards

PRODUCT OPERATION



MODEL 83E



Model Number	Rated Capacity (tons)	F (in.)	Weight (lbs.)
83E-3-16/20/24	3	5.3	160
83E-5-16/20/24	5	8	165

Model 83HW

Vertical "Eye" Coil Grab

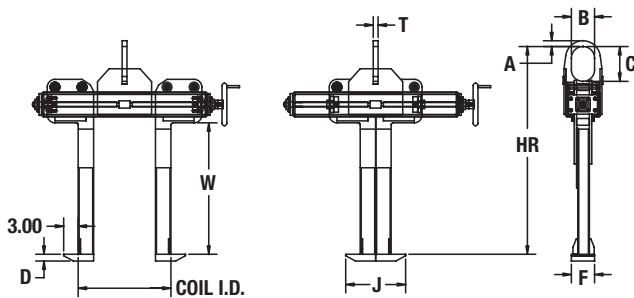
Simple hand wheel operation adjusts legs to the appropriate I.D. for engagement and disengagement. Stock units available with capacities of 2-1/2 to 10 tons. Need something bigger or smaller? Call 800.628.4263 to talk to our Customer Service team to discuss options.

Product Features:

- Handles any size coil I.D. from 16" to 24"
- Efficient handling of vertically stacked coils
- Available with chain wheel drive
- Complies with ASME standards



MODEL 83HW



Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil I.D.		Coil Width W	HR Headroom	A	B	C	T	F	D	J	
		Min.	Max.										
83HW-2-1/2-24	2-1/2	16	24	20	36	1-1/2	3	5	3/4	5	3/4	15-1/2	250
83HW-5-24	5	16	24	24	41	2	4	7	1	6	1	15-1/2	350
83HW-7-1/2-24	7-1/2	16	24	24	42	2	4	7	1	6	1	15-1/2	425
83HW-10-24	10	16	24	30	50	2-1/2	5	9	1-1/4	6	1-1/2	15-1/2	500

Other sizes available, consult factory.

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Drawings &
Quotes Quickly

If you only need a small change to a standard product, the online Smart-Spec® configurator tool can help. Click through to make your modifications, submit, and get a quote in real time! Ask for access today at 800.628.4263



Model 84

Telescoping Coil Lifter

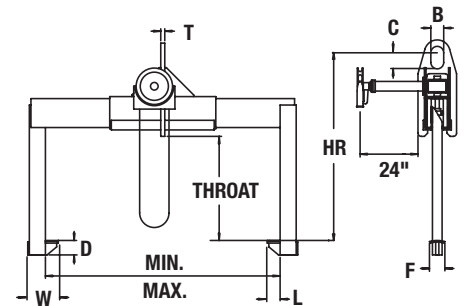
Choose Hand Wheel Leg Drive or Motorized Leg Drive.

Product Features:

- Chain wheel provides easy manual operation
- Two-sided coil lifter requires less aisle space
- Curved lifting pad minimizes coil damage
- Self-locking worm gear prevents legs from inadvertent opening
- Hand Wheel Leg Drive and Motorized Leg Drive options available
- Complies with ASME standards



MODEL 84



Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)	
		Coil Width		Throat	HR Headroom	Bail				Foot				
		Min.	Max.			A	B	C	T	D	F	L		W
84-5-48 84-5-60	5	16 20	48 60	28 26	52 50	2	4	7	1	4-1/2	4	3-1/2	7-1/2	485 590
84-10-48 84-10-60	10	16 20	48 60	32 30	63 61	2	4	7	1-1/4	5-1/2	4	4	9-1/2	725 810
84-15-60 84-15-72	15	20 24	60 72	34 32	69 67	2-1/2	5	9	1-1/2	6-1/2	4	4	9	930 1075

Other sizes available, consult factory.

Model 86

Double-Leg Coil Lifter

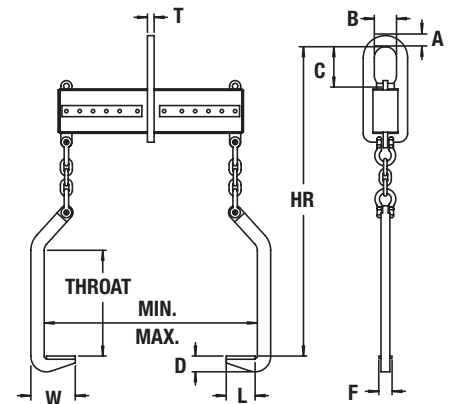
Simple, affordable, and efficient. Great for entry-level option occasional lifts.

Product Features:

- Most economical of the two-sided coil lifters
- Two-sided coil lifter requires less aisle space
- Lifting hook width adjustment pin is easy to use
- Hooks manufactured from high tensile alloy steel
- Coil width adjustment indicators for easy hook placement
- Optional coil protection available
- Complies with ASME standards



MODEL 86



Model Number	Capacity (tons)	Dimensions (inches)												Weight (lbs.)
		Coil Width		Throat	HR Headroom	Bail				Foot				
		Min.	Max.			A	B	C	T	D	F	L	W	
86-10-48	10	20	48	24	58	2	4	7	1-1/4	3-1/4	4	7	9-1/2	210
86-15-48	15	20	48	28	66	2-1/2	5	9	1-1/2	3-1/2	4	7	10-7/8	352
86-20-60	20	24	60	30	82	2-1/2	5	9	1-1/2	3-5/16	4	6	9-5/8	760
86-25-60	25	24	60	32	94	2-3/4	6	12	2-1/4	4-3/4	4	8	13-5/8	1235
86-30-72	30	24	72	26	83	3-1/2	7	16	2-1/4	4-3/4	4	8	14-3/4	1170

Other sizes available, consult factory.

Model 85

Fixed-Bail Telescoping Coil Grab

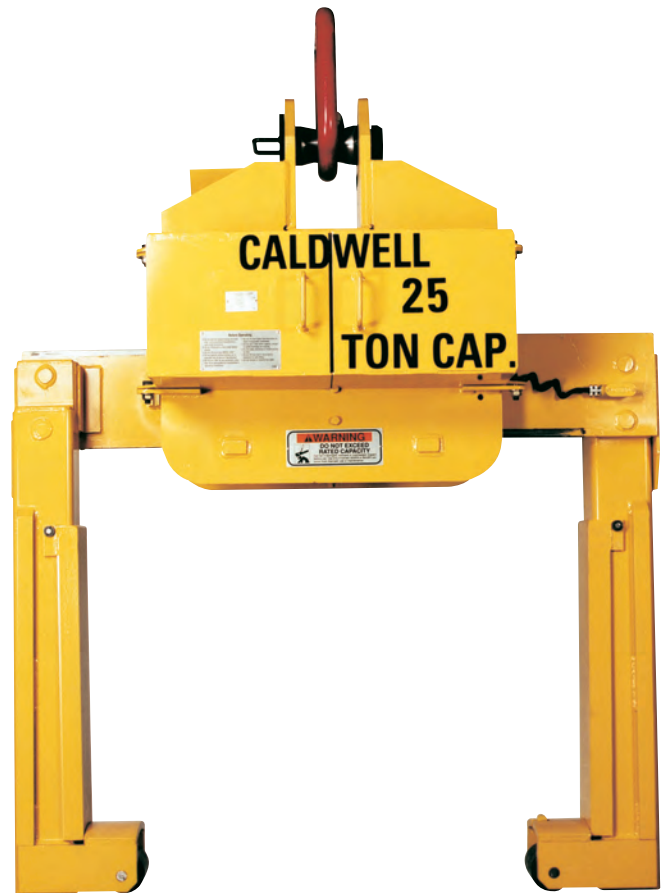
If there was a Caldwell Lifting Solutions Hall of Fame, the Model 85 Coil Lifter could claim “Legend” status. The rugged and efficient stock units sold here are ready to handle up to 33 tons, but that’s just the beginning. Mill Duty version Model 285 sold on page 8.

Product Features:

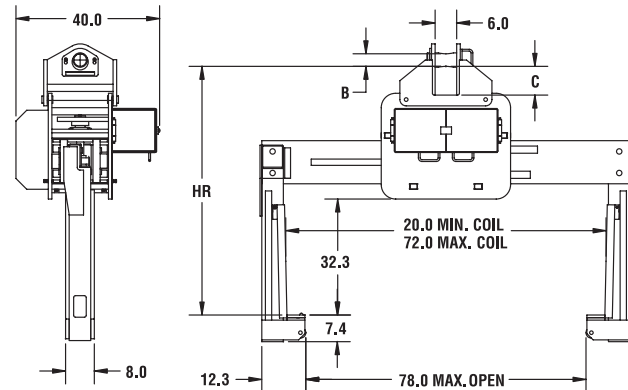
- Motorized leg drive maximizes the efficient handling of coils
- Leg drive speed - 2.8” per second
- Narrow aisle stacking maximizes coil storage floor space
- Curved lifting pads for coil protection
- High-impact plastic toe rollers prevent lifter foot contact
- Anti-clamp limit switch protects coil during closing of lifter
- Heavy-duty torque limiting drive protection during maximum open/closed conditions
- Lockout limit switch prevents inadvertent leg opening during lift
- Alloy steel pin bail
- Easily replaceable slide wear guides
- Design allows for easy maintenance access to drive components
- Designed to operate on AC power supply
- Field upgradeable to rotating style
- Complies with ASME standards

Model Number	Capacity (tons)	Dimensions (inches)						Weight (lbs.)
		Coil Width		HR Head-room	Throat	Pin/Bail		
		Min.	Max.			B	C	
85-15-72	15	20	72	67-1/2	32.3	3	8-1/4	3440
85-20-72	20	20	72	67-1/2	32.3	3	8-1/4	3540
85-25-72	25	20	72	69-1/4	32.3	3-1/2	8	3780
85-33-72	33	20	72	69-1/4	32.3	3-1/2	8	3880

Other sizes available, consult factory.



MODEL85



Parking Stands

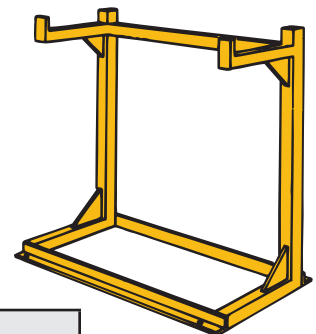
For Coil Hooks

Features for All Model PS Parking Stands:

- Individually designed for your lifter’s size and capacity
- Heavy-duty tubular construction
- Minimizes lifter storage space requirements
- Stabilizes lifter for safety, inspection, access

Model PS-CH

Used to store all C-Hook type lifters, including Models 82, 82LA, and 82RC.



Model Number	Specifications
Model PS-CH	Call 800.628.4263 for details

Model 85R

Adjustable Load Lifter

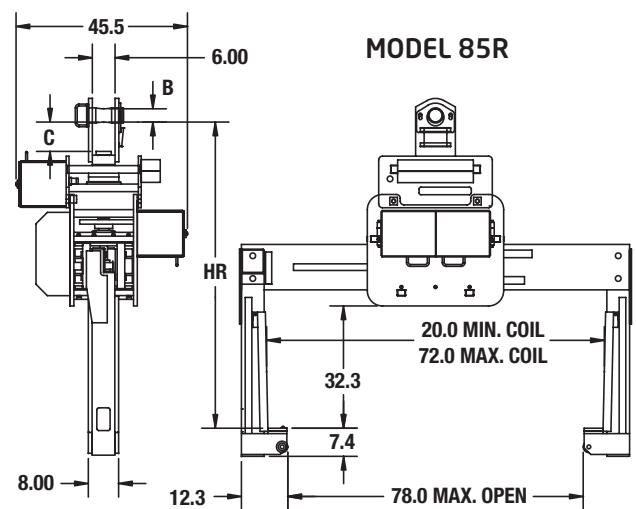
What happens when you take a legendary lifter and add rotation? A star is born! Caldwell's Model 85R is an industry favorite, in use in manufacturing facilities all over the world.

Product Features:

- Motorized leg drive maximizes the efficient handling of coils
- Leg drive speed - 2.8" per second
- Narrow aisle stacking maximizes coil storage floor space
- Curved lifting pads for coil protection
- High impact plastic toe rollers prevent lifter foot contact
- Anti-clamp limit switch protects coil during closing of lifter
- Heavy-duty torque limiting drive protection during maximum open/closed conditions
- Lockout limit switch prevents inadvertent leg opening during lift
- Alloy steel pin bail
- Easily replaceable slide wear guides
- Design allows for easy maintenance access to drive components
- Designed to operate on AC power supply
- Motorized 350° rotation at approximately 2 RPM
- Complies with ASME standards

Model Number	Capacity (tons)	Dimensions (inches)						Weight (lbs.)
		Coil Width		HR Head-room	Throat	Pin/Bail		
						B	C	
85R-15-72	15	20	72	79-1/8	32	3	8	4200
85R-20-72	20	20	72	79-1/8	32	3	8	4300
85R-25-72	25	20	72	80-7/8	32	3-1/2	7-3/4	4600
85R-33-72	33	20	72	80-7/8	32	3-1/2	7-3/4	4700

Other sizes available, consult factory.

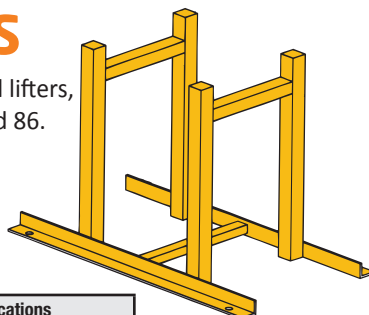


Outside width at 20" minimum coil dimension is 79-1/2".

NOTE: Dimensions shown in inches.

Model PS-TS

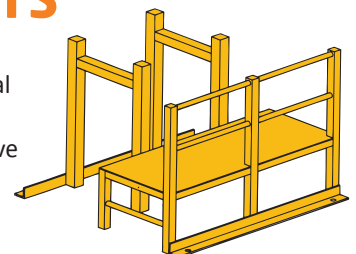
For storage of two-sided coil lifters, including Models 84, 85, and 86.



Model Number	Specifications
Model PS-TS	Call 800.628.4263 for details

Model PS-M-TS

For storage and maintenance of two-sided lifters with special personnel platform. Platform provides ease-of-access to drive system for maintenance and inspection of motorized units.



Model Number	Specifications
Model PS-M-TS	Call 800.628.4263 for details

Model 88

Heavy-Duty Coil Upender

Faster, safer way to upend coils. First specify your operating voltage, then pick a capacity between 1 and 30 tons.

Product Features:

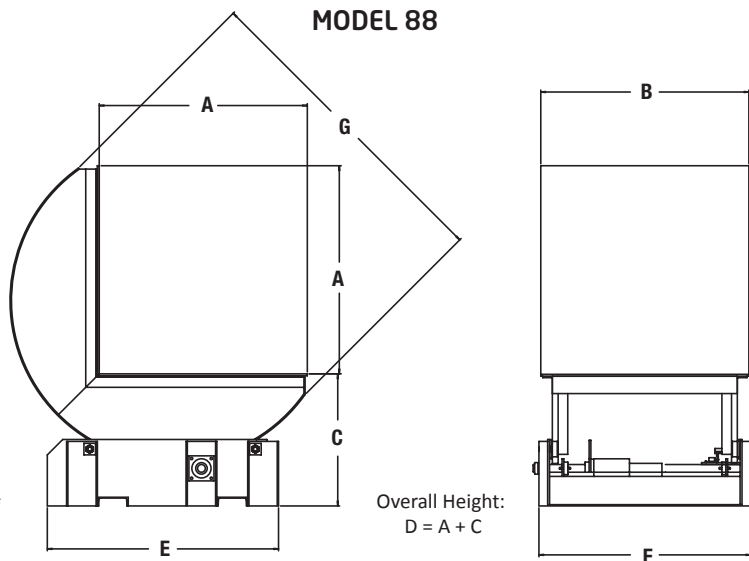
- Fast and convenient way to upend coils to 90°
- 240 or 480 operating voltage (specify)
- Heavy-duty disc brake will stop load in any position
- Reversing magnetic starter with pendant control and 10' cord
- Stop travel/over travel limit switches

Product Options:

- Larger platforms available
- V-Block, either standard or urethane faced (Provide coil information. Height set to accommodate a 4" pallet unless otherwise specified.)
- 180° horizontal rotation which permits loading and unloading from same side
- Lift truck fork pockets



Shown with V-Block Option.



Model Number	Capacity (tons)	Dimensions (inches)							Weight (lbs.)
		A*	B	C	Overall Height D	E	F	G	
88-1-36	1	36	36	24	60	48	36	51	1500
88-2-36	2	36	36	24	60	48	36	51	1600
88-3-42	3	42	42	24	66	56	42	60	2000
88-4-42	4	42	42	24	66	56	42	60	2200
88-5-48	5	48	48	30	78	61	48	66	2750
88-7 1/2-48	7-1/2	48	48	30	78	61	48	66	2900
88-10-54	10	54	54	30	84	60	55	74	3700
88-12 1/2-54	12-1/2	54	54	36	90	69	55	74	4000
88-15-60	15	60	60	36	96	73	60	80	4500
88-20-60	20	60	60	36	96	73	60	80	6200
88-25-72	25	72	72	43	115	88	72	96	10000
88-30-72	30	72	72	48	120	88	72	96	12000

*Coil center of gravity must be 1/2 of 'A'. If different please specify coil or load information. Pallets must not extend over platform sides. Other sizes available, consult factory.

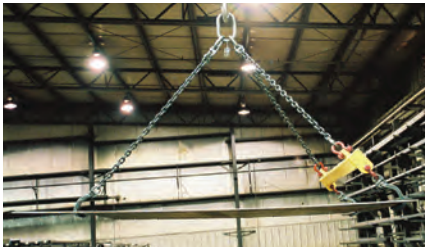
Model PL

Plate Lifters

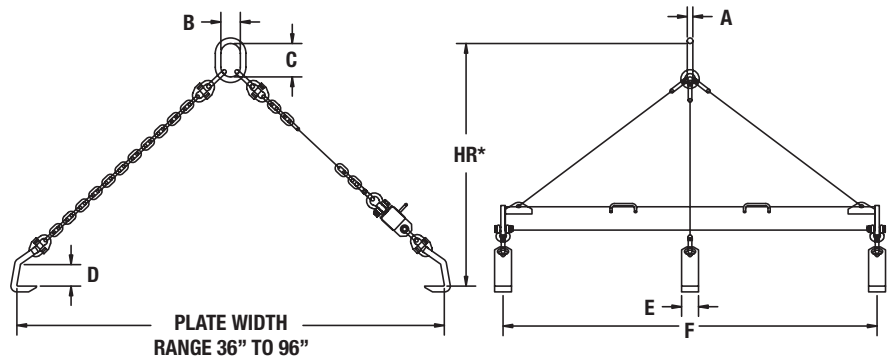
When you are handling thick plates one at a time, the Model PL Plate Lifter is the go-to choice. You just get the lifter in position, engage the hooks and lift.

Product Features:

- Rugged-chain rigging
- Heavy-duty plate hooks
- Design allows for easier crane alignment
- Steel spreader stabilizes two hooks
- Complies with ASME standards



MODEL PL



Model Number	Rated Capacity (tons)	Dimensions (inches)							Plate Width (in.)		Weight (lbs.)
		A	B	C	D	E	F	HR	Min.	Max.	
PL-5	5	1	3.5	6	3	2.3	84	58	36	96	185
PL-10	10	1.25	4.38	7.5	5	3.8	84	58	36	96	320

* Headroom at maximum plate width.

PRODUCT OPERATION



Follow Us On LinkedIn!

LinkedIn is where we keep you “in the know” on all things Caldwell! You’ll see cool custom equipment, meet some of our employees, and find out about new products there first.

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Model 60

Heavy-Duty Sheet Lifters

When headroom is an issue, Model 60 is ready. Its compact design gives you options when vertical space is not available. Couple that with its ability to handle bundles, sheets, or plates, and you've got a solid option for a wide variety of applications.

Product Features:

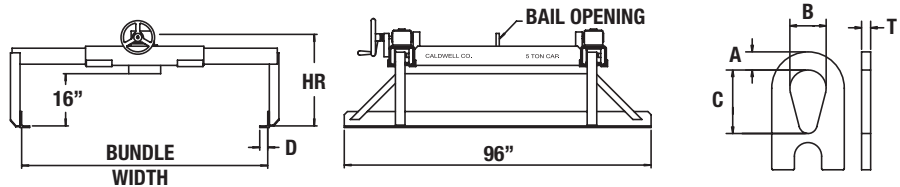
- Versatile handling of bundles, sheets, plates and other materials stacked horizontally
- Low-headroom design for optimum lifting capabilities
- One-person operation minimizes handling cost
- Self-locking worm gear drive for leg adjustment is standard
- Easy adjustment for different sheet widths
- Rack and pinion leg drive
- Designed for ease of maintenance
- Designed for greater sheet width range
- Complies with ASME standards

Product Options:

- Hand wheel lockout
- Motorized leg adjustment, includes pendant controls
- Battery-powered motorization
- Hand wheel operation. Solid performer for capacities up to 71/2 tons.
- Extended length hand wheel leg adjustment
- End chains with plate hooks (recommended for all widths 72" and greater)
- Extended grab shoe lengths available
- Additional bundle clearance available (longer legs)



MODEL 60



Model Number	Capacity (tons)	Dimensions (inches)								Weight (lbs.)	
		Bundle Width		HR Head-room	Shoe D	Min. Aisle	Bail Opening				
		Min.	Max.				A	B	C		T
60-3-48 60-3-60 60-3-72	3	16 16 16	48 60 72	28	2.63	9	1.5	3	5	.75	920 950 980
60-5-48 60-5-60 60-5-72 60-5-84 60-5-96	5	16 16 16 16 16	48 60 72 84 96	29	2.63	9	2	4	6	1	1125 1170 1220 1270 1550
60-10-48 60-10-60 60-10-72 60-10-84 60-10-96	10	16 16 16 16 16	48 60 72 84 96	30	3.5	11	2	4	7	1.5	1510 1570 1640 1700 1770
60-15-48 60-15-60 60-15-72 60-15-84 60-15-96 60-15-94	15	16 16 16 38 38 38	48 60 72 84 96 94	32	3.5	12	2.5	5	9	1.5	1570 1640 1700 1960 2030 1960

Other sizes available, consult factory.

Model 60M

Motorized Heavy-Duty Sheet Lifters

This standard 20-ton capacity lifter is just the beginning. Choose the voltage, leg length, grab shoe length, greater capacity, and more for a fully customized unit. Call 800.628.4263 to get started.

Product Features:

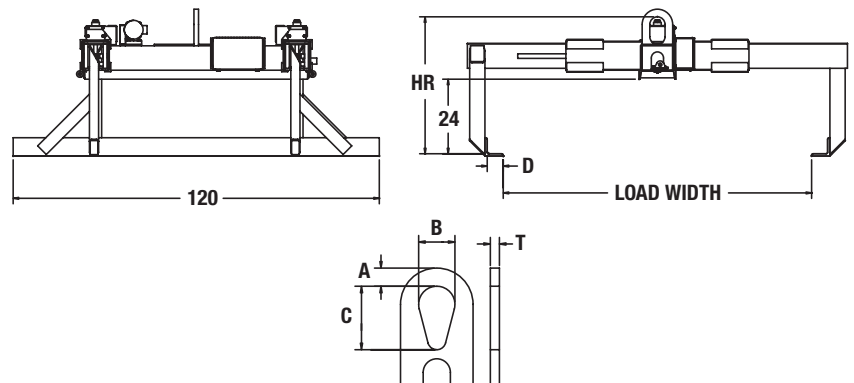
- Motorized leg adjustment, 460 volt
- Versatile handling of bundles, sheets, plates, and other materials stacked horizontally
- Low-headroom design for optimum lifting capabilities
- One-person operation minimizes handling cost
- Self-locking worm gear drive for leg adjustment is standard
- Easy adjustment for different sheet widths
- Rack and pinion leg drive
- Designed for ease of maintenance
- Broad adjustment range handles various load widths
- Complies with ASME standards

Product Options:

- Battery-powered motorization
- End chains with plate hooks (recommended for all widths 72" and greater)
- Extended grab shoe lengths
- Longer legs increase load clearance
- Controls shipped mounted or loose
- Other voltages available



MODEL 60M



 **WARNING**

Do not lift loosely bundled, thin or oily sheets.

Model Number	Capacity (tons)	Dimensions (inches)									Weight (lbs.)
		Bundle Width		HR Head-room	Shoe D	Min. Aisle	Bail Opening				
		Min.	Max.				A	B	C	T	
60M-20-96	20	38	96	45	5.25	15	2.5	5	9	1.5	3150

Other sizes available, consult factory.

Model 60H

Hydraulic Sheet Lifter

This hydraulic-drive sheet lifter delivers the powerful, fast and efficient leg adjustments while smoothly applying additional force to the sides of the loads. Each unit is engineered to your exact specifications.

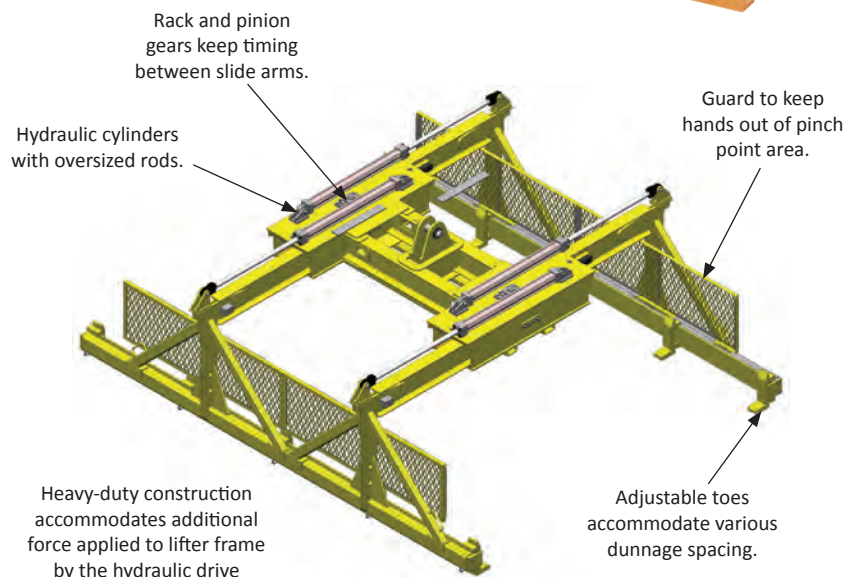
Product Features:

- Versatile handling of bundles, sheets, plates and other materials stacked horizontally
- Low-headroom design for optimum lifting capabilities
- One-person operation minimizes handling cost
- Hydraulic drive for smooth and fast leg adjustment allows more lateral forces applied to load sides
- Easy adjustment for different sheet widths
- Less maintenance than mechanical drives
- Broad adjustment range handles various load widths
- Complies with ASME standards

Product Options:

- End chains with plate hooks (recommended for all widths 72" and greater)
- Extended grab shoe lengths or adjustable finger design
- Longer legs increase load clearance
- Controls shipped mounted or loose
- Other voltages available

Model Number	Specifications
Model 60H	Call 800.628.4263 for details



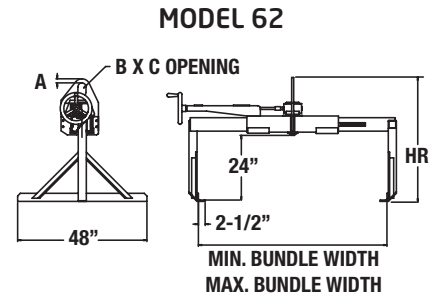
Model 62

Small Bundle Sheet Lifter

Size and versatility allows for handling of crates, bins and other smaller sized containers.

Product Features:

- Standard light-duty unit for handling smaller size sheets and bundles
- Side oriented extended length hand wheel adjustment standard
- Self-locking worm gear leg drive system
- Complies with ASME standards



Model Number	Capacity (tons)	Dimensions (inches)							Weight (lbs.)
		Bundle Width		Min. Aisle	A	B	C	HR Headroom	
		Min.	Max.						
62-1 1/2-36	1-1/2	12	36	8	1-1/2	3	5	42	512
62-1 1/2-48	1-1/2	16	48						525
62-3-48	3	16	48	8	1-1/2	3	5	44	566
62-3-60	3	16	60						594
62-5-48	5	16	48	8	2	4	7	52	750
62-5-60	5	20	60						763

Model 64

Standard-Duty Sheet Lifter

Product Features:

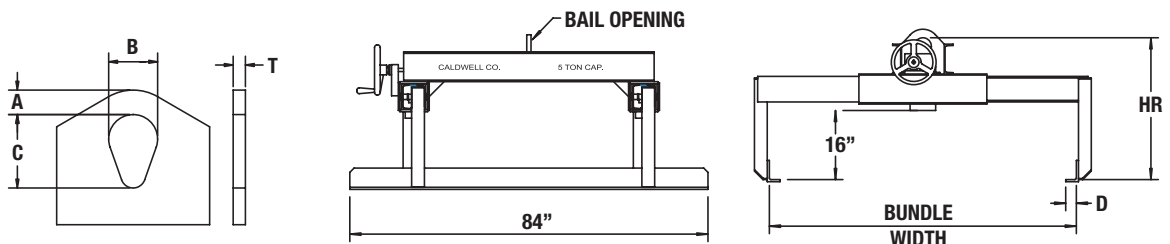
- Lightweight
- Channel steel construction
- 84" grab shoe length
- Complies with ASME standards



Model Number	Capacity (tons)	Dimensions (inches)								Weight (lbs.)	
		Bundle Width		HR Headroom	Shoe D	Min. Aisle	Bail Opening				
		Min.	Max.				A	B	C		T
64-2-36	2	15	36	29	2-1/2	8	1-1/2	3	5	3/4	510
64-2-48		20	48								560
64-2-60		24	60								630
64-5-48	5	20	48	32	2-5/8	8	2	4	6	1	670
64-5-60		24	60								750
64-5-72		30	72								830
64-7 1/2-48	7-1/2	20	48	34	2-1/2	10	2	4	6	1	840
64-7 1/2-60		24	60								900
64-7 1/2-72		30	72								980

Other sizes available, consult factory.

MODEL 64



Model 60BMS

Battery-Powered Sheet Lifter

This Model 60BMS-5-96 will lift sheets up to 96" wide and uses full-time battery power to operate.

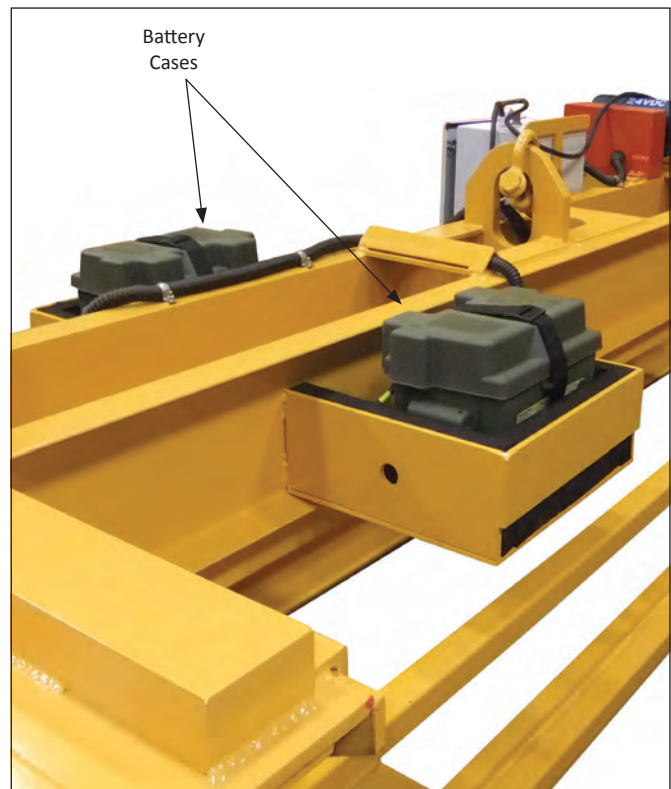


Optional power source for all motorized sheet lifters. Just attached to your crane, no power cord needed! Provides full-time or auxiliary power in case of power failure.

Product Features:

- Long Lasting Rechargeable Batteries
- No power source needed
- Easily moved to different cranes
- Charging system included

Model Number	Specifications
Model 60BMS	Call 800.628.4263 for details



Model 50

Motorized Rotating Crane Hook

Put the power and control in the crane operator's skilled, capable hands with the Caldwell **Motorized Rotating Crane Hook**. With full 360-degree rotation, the operator can place loads in tough to reach or access locations with ease, orienting them exactly right.

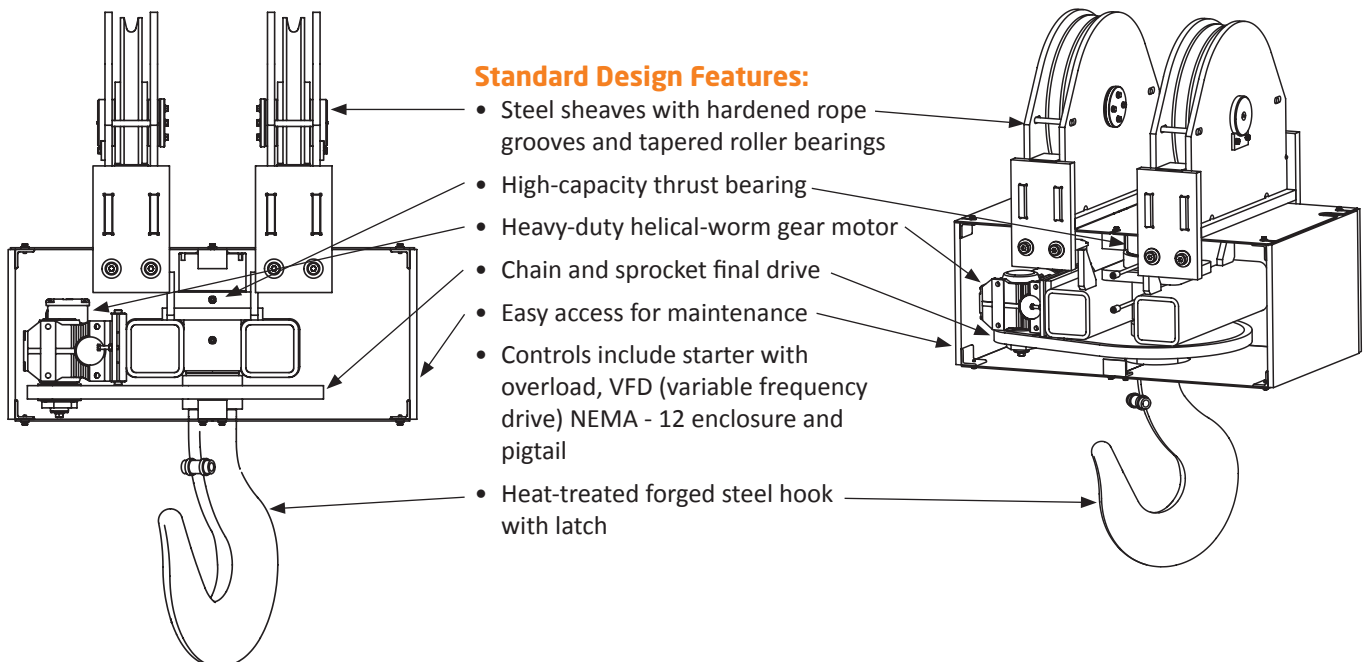
Product Features:

- Every unit is custom designed to fit your application
- Allows for independent and precise position of load
- Full 360° rotation @ 1-1/2 RPM
- Controls feature soft-starting capability
- Designed to operate on either direct or alternating power supply

Model Number	Specifications
Model 50	Call 800.628.4263 for details



Choose an optional load scale when you custom design your unit.



Terms & Conditions

Where referred to herein, it shall be understood that the following terminology applies: Seller is The Caldwell Group, Inc., and Buyer is the person or entity acquiring the goods or services described in the quotation.

1. ACCEPTANCE

Any Purchase Order received from a Buyer shall not result in a contract until it is approved and accepted by an authorized manager of Seller at the offices of The Caldwell Group, Inc., Rockford, Illinois.

2. CONDITIONS OF SALE

All orders shall be subject to the Terms and Conditions of Sale set forth herein, and none of these terms and conditions may be added to, modified, or otherwise altered except by a written instrument signed by an authorized executive of Seller. Failure of Seller to object to any terms or conditions that may be contained in any acceptance, purchase order or other form of Buyer shall not be construed as a waiver of these conditions nor an acceptance of any such provision.

3. PRICES

The price quoted may be increased to the extent that Seller's cost of the products sold hereunder may be increased as a result of (1) any agreements, codes, or legislative enactments made or enacted in pursuance or federal, state or municipal legislation; and (2) taxes or other charges imposed by governmental authority upon the production or sale of such products or of materials used in the manufacture thereof. If Buyer is unwilling to accept any such increase as computed by Seller, Buyer shall have the right to cancel this agreement on the terms set forth in paragraph 8.

4. TAXES

The amount of the present or future sales, revenue, excise, occupation, use or other taxes applicable to this transaction shall be added to the purchase price herein stated and shall be paid or reimbursed by Buyer, unless it is indicated that the price includes the tax, or the tax is shown as a separate item, or the sale is a resale exemption.

5. DELIVERY

Delivery terms are F.O.B. Seller's plant, Rockford, Illinois. Buyer shall assume all risk of loss or damage upon delivery to the carrier at the point of shipment. Dates of delivery are determined from the date of Seller's acceptance of any order or orders by Buyer and are estimates of approximate dates of delivery, not a guaranty of a particular day of delivery. Seller shall not be liable for failure or delay in shipping goods hereunder if such failure or delay is due to an act of God, war, acts of Government, labor difficulties, accident, inability to obtain materials or supplies, or any other causes of any kind whatever beyond the control of Seller.

6. CREDIT APPROVAL

Shipments, deliveries and performance of work shall at all times be subject to the approval of and the requirements of the Credit Department of Seller, including the requirement that Buyer pay part or all of the purchase price in advance.

7. TERMS OF PAYMENT

Payments are to be made in United States funds, unless otherwise stipulated. Subject to the provision of Credit Approval above, terms of payment shall be NET 30 days and shall be effective from date of invoice. Should any invoice not be paid when due, Buyer shall be liable to Seller for a finance charge equal to 18% per annum on the outstanding balance until paid in full. Engineering and/or other special charges, when invoiced separately, shall be payable upon the terms stipulated.

8. CANCELLATION

Orders accepted by Seller are subject to cancellation by Buyer only upon the consent of Seller. Upon such cancellation and consent, Seller shall cease work and hold for Buyer all completed and partially completed articles and work in process and Buyer shall pay Seller for all engineering work and materials that have been committed and/or identified to the order plus a cancellation charge as prescribed by Seller.

9. PATENT INFRINGEMENT

No liability will be assumed by Seller for the infringement of any patent rights asserted because of the nature, structure or use of any products ordered by Buyer, and Buyer shall indemnify and hold Seller harmless from all claims for loss or damage, and from all court costs, attorney's fees and other expenses paid or incurred by or imposed upon Seller in connection with the defense of any action brought against Seller by reason of Seller's performance of any order. Upon request by Seller, Buyer will undertake at Buyer's own cost and expense to defend any such action which may be brought against Seller.

10. WARRANTY APPLICABLE TO NEW PRODUCT FABRICATIONS AND INSTALLATIONS

Seller warrants that its new product fabrications and installations shall be free from defects in material and/or workmanship for the Warranty Period defined in Section 10.A. The warranty extends only to the material and/or workmanship performed by Seller in its fabrication and/or assembling of the finished product for new product installations. This "warranty applicable to new product fabrications and installations" does not include or cover any new components provided for existing products that are being serviced, maintained and repaired.

- A. The Warranty Period for new product fabrications and installations is two (2) years from the date of delivery of the new product.
- B. The warranty created herein is subject to strict compliance with each of the following CONDITIONS.
 1. This warranty covers defects in material and/or workmanship in the fabrication and assembly of the new product.
 2. In some instances, components used in a product carry warranties from their original manufacturers. Seller may assign its rights in those warranties to the original purchaser of the products. Buyer should consult with Seller to determine which components may be covered by such warranties.
 3. Any defect must become apparent within the applicable Warranty Period.
 4. Buyer must give Seller written notice of any defect within the Warranty Period via certified mail, return receipt requested. Buyer should receive notification from Seller that notice was received within 30 days. If receipt notification is not received by Buyer, it is Buyer's responsibility to resend notification.
 5. Seller will send instructions for processing of warranty which may include Buyer providing electronic images of product and indicated defects; forwarding product to an authorized repair facility for inspection and or repair with a return authorization number at Seller's sole expense; or scheduling and onsite inspection of the product by authorized repair personnel.
 6. The product under warranty must have the original nameplate attached to the unit for positive identification.
 7. The warranties provided herein are non-transferable.
- C. If each of the above CONDITIONS are met, Seller will make all necessary repairs to cure any defective material and/or workmanship in said assembled product or at Seller's sole discretion replace said product or refund the purchase price. These repairs shall be made as soon as is reasonably possible. No allowance shall be made to Buyer for loss of use during the time necessary for repairs. In no event shall the warranty be held to include or cover any incidental,

Terms & Conditions Continued

indirect, special or consequential damages. Any repaired or replaced product that is provided under this warranty shall be covered by the terms of the same warranty on a pro-rated time basis, which reduces the remaining warranty period by the amount of time the original product was in service.

- D.** The following EXCLUSIONS are not covered by this warranty:
1. Damages due to neglect by Buyer.
 2. Damages due to lack of proper maintenance or to misuse by Buyer. This warranty shall be voided due to unauthorized repairs or replacement parts.
 3. Damages due to act of God or other unforeseen accident or cause beyond the control of Seller.

11. WARRANTY APPLICABLE TO REPAIR SERVICES

Seller warrants that its material and/or workmanship in providing repair services shall be free from defects for the Warranty Period defined in Section 11.A.

- A.** The Warranty Period for all service work is ninety (90) days from the date services are provided.
- B.** The warranty created herein is subject to strict compliance with each of the following CONDITIONS.
1. This warranty covers defects in material and/or workmanship in providing repair services for existing products.
 2. Any defect in the services must become apparent within the applicable Warranty Period.
 3. Buyer must give Seller written notice of any defect in the services within the Warranty Period via certified mail, return receipt requested. Buyer should receive notification from Seller that notice was received within 30 days. If receipt notification is not received by Buyer, it is Buyer's responsibility to resend notification.
 4. Seller will send instructions for processing of warranty which may include Buyer providing electronic images of the repaired product and indicated defects in the services, or scheduling and onsite inspection of the product by authorized repair personnel.
 5. The warranties provided herein are non-transferable.
- C.** If each of the above CONDITIONS are met, Seller will provide all necessary services to cure any defective material and/or workmanship in said service work. These services shall be provided as soon as is reasonably possible. No allowance shall be made to Buyer for loss of use during the time necessary for repairs. In no event shall the warranty be held to include or cover any incidental, indirect, special or consequential damages.
- D.** The following EXCLUSIONS are not covered by this warranty:
1. Damages due to neglect by Buyer.
 2. Damages due to lack of proper maintenance or to misuse by Buyer. This warranty shall be voided due to unauthorized repairs or replacement parts.
 3. Damages due to act of God or other unforeseen accident or cause beyond the control of Seller.
 4. Service work performed by Seller on any equipment that was not originally fabricated and installed by Seller.

12. WARRANTY DISCLAIMER.

THE EXPRESS WARRANTIES STATED ABOVE ARE IN LIEU OF ALL OTHER WARRANTIES (EXCEPT OF TITLE), EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES ARE EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, BUYER IS SOLELY RESPONSIBLE FOR EVALUATING THE FITNESS OF THE PRODUCTS FOR THEIR INTENDED USE, INCLUDING WITHOUT LIMITATION ENSURING THE integrity of BUYER'S INTENDED load with THE product being provided (i.e., DETERMINING THAT THE load is sound and capable of supporting itself AND IS able to withstand grip pressure).

13. LIMITATION OF LIABILITY

BUYER'S SOLE REMEDY FOR LIABILITY OF ANY KIND WITH RESPECT TO THE PRODUCTS OR SERVICES FURNISHED BY SELLER TO BUYER AND ANY OTHER PERFORMANCE BY SELLER, OR WITH RESPECT TO BUYER'S USE THEREOF, INCLUDING NEGLIGENCE, SHALL BE LIMITED TO THE REMEDY PROVIDED IN THIS LIMITED WARRANTY AND SHALL IN NO EVENT INCLUDE ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS OF USE, REVENUE OR PROFIT. IN NO EVENT SHALL SELLER'S LIABILITY FOR DAMAGES WITH RESPECT TO ANY OF THE PRODUCTS OR SERVICES FURNISHED EXCEED THE CHARGES PREVIOUSLY PAID BY BUYER TO SELLER FOR SUCH PRODUCTS OR SERVICES.

14. GOVERNMENT REGULATIONS

Seller hereby certifies that any goods produced pursuant to this order will be produced in compliance with all applicable requirements of the Fair Labor Standards Act, as amended, and of any regulations and orders of the United States Department of Labor issued thereunder.

15. CHOICE OF LAW AND JURISDICTION

Any agreement arising out of this transaction shall be deemed to have been made in Rockford, Winnebago County, Illinois. If acceptance occurs in Rockford, Illinois, the parties agree that the validity, interpretation and performance of any agreement arising out of this transaction shall be governed by the law of the State of Illinois and of the United States of America. The parties hereto hereby submit to the jurisdiction of the Circuit Court of the Seventeenth Judicial Circuit, Winnebago County, Rockford, Illinois, as the sole and exclusive jurisdiction and venue for the purpose of adjudication of all their respective rights and liabilities hereunder.

16. STORAGE, PACKING, SPECIAL SERVICES

Unless otherwise expressly provided, this quotation does not include performance by Seller of any storage, packing, or cartage service. Special painting, or similar processes including storage, shall be in addition to the price.

17. DEFAULT

In the case of default or breach of Buyer in the performance of any or all of the provisions of any agreement arising out of this transaction, Seller may cancel any outstanding order from Buyer and declare all obligations immediately due and payable, and shall in addition have all the remedies afforded under the Uniform Commercial Code and any other applicable law. Buyer shall in addition be liable for Seller's expenses incurred in exercising any remedies available to it, including reasonable attorney's fees and legal expenses. All unpaid obligations shall bear interest at the contract rate.

18. DEFERRED DELIVERIES

If Buyer requests deferral of deliveries, Seller's agreement to deferred delivery shall not excuse Buyer from his obligation to pay for the goods at the same times and in the same quantities as the original delivery schedule, including interest due pursuant to these terms and conditions. In addition to adhering to the original payment schedule, Buyer shall pay such storage charges as Seller may assess for storing the goods awaiting delivery. If Buyer requests deferral prior to commencement of production, Seller may require progress payments in connection with expenses for materials or services incurred by Seller in anticipation of production.



**For quotes, questions,
or orders, call Customer
Service at 800.628.4263,
Monday-Friday,
8 a.m. to 5 p.m. CT.**

ASME Standards

B30.20, B30.9 & OTHER STANDARDS

The information provided on the following pages is a summary interpretation of the applicable ASME standards. Should you need additional clarification as to how the ASME standards affect your specific application and your lifting device, contact our application specialists or visit the ASME website at www.asme.org.

Product Line

Strong-Bac® BTH Lifters
Dura-Lite™ Composite Beams
Mill Duty Lifters
Posi-Turner® Load Rotators
Univac® Vacuum Lifters
Rig-Release® Remote Releasing Lifters
Rig-Master® Rigging Attachments
Lif-Truck™ Fork Truck Accessories
Krane-King® Jib & Gantry Cranes
Caldwell® Slings & Tie Downs

Industry Standard

ASME B30.9, B30.20, BTH-1
ASME B30.20, BTH-1
ASME B30.20, BTH-1
ASME B30.9, B30.20, BTH-1
ASME B30.20, BTH-1
ASME B30.9, B30.20, BTH-1
ASME B30.9, B30.20, BTH-1
ASME B56.1, B56.11.4, OSHA 1910.178(4)
AISC CMAA 70, OSHA 1910
ASME B30.9, OSHA 1910.184

KEY ASME STANDARDS

Design of Below-the-Hook Lifting Devices (BTH-1)

ASME BTH-1 designates design criteria for below-the-hook lifting devices (ASME B30.20) and serves as a guide to designers, manufacturers, purchasers, and users of these types of lifters.

All below-the-hook lifting devices shall be designed for specific rated loads and load stresses as they affect the components of the lifting device.

A design category and service class shall be designated and marked on the lifters and all quotations, drawings, and other documents relating to the lifter.

Design Category B should be designated when the conditions of the lift are not always defined or predictable, or when load conditions could be severe.

FOR MORE ASME STANDARDS INFORMATION

Go to the ASME web site to read the full codes and standards or to purchase a copy of them for your own use. www.ASME.org

Design factors for Design Category B lifting devices shall not be less than 3.00 for limit states of yielding or buckling.

Service Class is the specified fatigue life of the lifter.

- Service Class 0 is 0 – 20,000 load cycles
- Service Class 1 is 20,001 – 100,000 load cycles
- Service Class 2 is 100,001 – 500,000 load cycles
- Service Class 3 is 500,001 – 2,000,000 load cycles
- Service Class 4 is over 2,000,000 load cycles

Cycles per Day	Desired Life (Years)				
	1	5	10	20	30
5	0	0	0	1	1
10	0	0	1	1	2
25	0	1	1	2	2
50	0	1	2	2	3
100	1	2	2	3	3
200	1	2	3	3	4
300	2	3	3	4	4
750	2	3	4	4	4
1000	2	3	4	4	4

Definitions: Should = a recommended procedure;
Shall = a required procedure.

ASME Standards

Lifting Slings (B30.9)

DESIGN FACTOR:

Lifting Slings shall be designed in accordance with the specific chapter in ASME B30.9 pertaining to that style sling.

CONSTRUCTION:

- Synthetic Slings shall be manufactured to comply with WSTDA WB1 and (when applicable) with fittings that are at least equal in strength to that of the synthetic sling.
- Wire Rope Slings shall only be constructed out of new wire rope that complies with ASTM A 1023-02 and ASTM A 586.
- Alloy steel chain slings shall be manufactured to comply with ASTM A906/A906M standards.
- Metal Mesh slings shall be manufactured to comply with ASME B30.9 with fittings that are at least equal in strength to that of the metal mesh.
- Sharp edges shall be removed from all sling and fitting surfaces.

MARKING:

Caldwell lifting slings shall be marked with, at a minimum, the following information:

- ✓ name or trademark of manufacturer
- ✓ manufacturer's model or identification number
- ✓ rated loads for the sling, including information on various hitch configurations and the corresponding angle.
- ✓ type or size of material

LOAD TEST:

Before use, all repaired or reworked synthetic web slings shall be load tested and inspected. Proof testing of new synthetic web slings is not required.

Before use, all repaired or refurbished wire rope slings shall be tested. Testing requirements of new slings are based off the sling construction; consult the sling manufacturer or ASME B30.9 for details.

Before use, all new and repaired chain and components of an alloy steel chain sling, either individually or as an assembly, shall be proof tested.

Before use, all new and repaired metal mesh slings shall be proof tested.

Definitions: Should = a recommended procedure;
Shall = a required procedure.

Structural and Mechanical Lifting Devices (B30.20)

DESIGN FACTOR:

Structural and mechanical lifting devices shall be designed according to ASME BTH-1, Design Category B, taking into consideration the load, including the weight of the lifting device. The design service class is determined by the expected fatigue life of a lifter based on the number of load cycles.

FABRICATION:

- All welding shall comply with ANSI / AWS D14.1 and ASME BTH-1.
- Guards should be provided for exposed moving parts.
- Electrical equipment and wiring shall comply with ANSI / NFPA 70 and ASME BTH-1.
- Contact The Caldwell Group for information on modifications or repairs to maintain compliance with ASME standards.

MARKING:

- The rated capacity shall be marked on the lifting device.
- Caldwell lifting devices shall be marked with the following information:
 - ✓ manufacturer's name and address
 - ✓ serial number
 - ✓ lifter weight, if over 100 lbs. (45 kg)
 - ✓ cold current (amps) (when applicable)
 - ✓ rated voltage (when applicable)
 - ✓ rated load
 - ✓ ASME BTH-1 Design Category
 - ✓ ASME BTH-1 Service Class
- Product Safety Labels.
 - ✓ Where possible, all lifting devices shall have labels that include the appropriate signal word, according to ANSI Z535, including the proper cautionary notice to operators against improper use.
 - ✓ When it is not possible to include the above, a label shall be affixed, referring user to the manufacturer's instruction manual for product safety information.

LOAD TEST:

Before use, a new, altered, modified or repaired lifting device should be load tested and inspected. Contact the manufacturer for information regarding the appropriate test load for the lifting device.

Definitions: Should = a recommended procedure;
Shall = a required procedure.

ASME Standards

Vacuum Lifting Devices (B30.20)

CONSTRUCTION:

- Vacuum Pad Rating. The ultimate pad capacity (UPC) shall be determined by the following formulas:
Inch-Pound Method $UPC = A (Hg / 2)$
where
A = effective area of the vacuum pad, expressed in square inches, enclosed between the pad and the material when the pad is fully compressed against the material surface to be lifted.
Hg = system vacuum expressed in inches of mercury. Reductions for altitude, efficiency, consistency, and wear of vacuum source shall be considered.
2 = constant divisor
- Electrical equipment and wiring shall comply with ANSI / NFPA 70 and ASME BTH-1.
- The UPC / rated load shall be a minimum of 2 to 1 for horizontal surface lifts.
- The UPC / rated load shall be a minimum of 4 to 1 for vertical surface lifts.
- These requirements are for clean, flat, dry, non-porous material. Contact the manufacturer for other surface types.
- There shall be a vacuum reserve of sufficient size to prevent the vacuum level from decreasing more than 10% in 4 minutes without power to the vacuum generator.
- Vacuum lifting devices shall be designed according to ASME BTH-1, Design Category B, taking into consideration the load, including the weight of the lifting device. The Service Class of the lifter shall be determined by the number of load cycles required.
- All welding shall comply with ANSI / AWS D14.1 and ASME BTH-1.

FOR MORE ASME STANDARDS INFORMATION

Go to the ASME web site to read the full codes and standards or to purchase a copy of them for your own use. www.ASME.org

MARKING:

- The rated capacity, maximum width, maximum length, and minimum thickness of the load shall be marked on the lifting device. If the vacuum lifting device has shutoff valves on individual pads or groups of pads, the rated load of each pad shall also be marked. The rated capacity of pads or groups of pads with isolation values shall be labeled individually.
- Caldwell vacuum lifting devices shall be marked with the following information:
 - ✓ manufacturer's name and address
 - ✓ model number
 - ✓ serial number
 - ✓ vacuum lifting device weight
 - ✓ electrical power requirements (when applicable)
 - ✓ pressure and volume of compressed air (when applicable)
 - ✓ rated load
 - ✓ ASME BTH-1 Design Category
 - ✓ ASME BTH-1 Service Class
- Product Safety Labels.
 - ✓ Where possible, all lifting devices shall have labels that include the appropriate signal word, according to ANSI Z535, including the proper cautionary notice to operators against improper use.
 - ✓ When it is not possible to include the above, a label shall be affixed, referring user to the manufacturer's instruction manual for product safety information.
 - ✓ Isolation valves shall be marked to show proper operating positions.

LOAD TEST:

Before use, a new, altered, modified or repaired vacuum lifting device shall be load tested and inspected. Contact the manufacturer for information regarding the appropriate test load for the lifting device.

Definitions: Should = a recommended procedure;
Shall = a required procedure.

From Installation to Load Handling, Understand Your BTH Equipment

Caldwell Lifting Equipment has been designed for specific tasks to withstand the particular forces imposed. Guidelines for installation, inspection, maintenance and repair, safe operation and operator training of these lifters follow (product specific information will be sent with each product):

INSTALLATION

Lifting equipment shall be assembled and installed in accordance with the manufacturer's instructions, unless other specific arrangements have been approved in writing by manufacturer. When lifter/auxiliary power supply is required, user inspection shall ensure that the power source complies with ANSI/NFPA 70, National Electrical Code and shall include a power disconnect switch as required in accordance with ANSI/NFPA 70 based on the lifters requirements. If electrical connections are made, the power supply and corresponding power disconnects shall be connected to the line side (power supply side) of the crane disconnect or to an independent circuit as specified in the manufacturer's operating instructions. Check for correct rotation of all pumps and power units, lubrication of moving parts, and filling of reservoirs, all in accordance with manufacturer's instructions.

OPERATOR TRAINING

Lifters shall be operated in accordance with manufacturer's instruction manual, and by personnel who have received instructions described in the "Operating Practices" section of these guidelines. Training shall also include instruction regarding:

1. Details of the lifting cycle.
2. Application of the lifter to the load including (according to the manufacturer's instructions) adjustments to the lifter, if any, to adapt it to various sizes and kinds of loads.
3. Instruction in any special operations or precautions that may be required.
4. Recognition of proper load configuration. For example, preferred operation requires an orderly pattern of stacking.
5. Before assuming responsibility for using the lifter, an operator shall demonstrate his understanding of the lifting procedure to the instructor. The instructor should record notes of operator' demonstrated ability.

INSPECTION

The lifter shall be visually inspected by or under the direction of an appointed person on a daily or weekly schedule depending on the nature of the lifter and the severity of the service.

Details to look for include but are not limited to:

1. Structural deformation.
2. Cracks in the structural frame, welds, hoist hook attachment points, mechanically operating parts, any attached slings, clevises and hooks.
3. Malfunctions during operation of a mechanically operating lifter.
4. Loose covers, fasteners and stops.
5. Faulty operation of automatic hold and release mechanisms.
6. Wear of hoist hooking points, load supporting clevises, pins, slings, linkages and mechanical parts.
7. Missing nameplates and markings. Contact Caldwell for replacements.

MAINTENANCE AND REPAIRS

1. A preventive maintenance program should be established for each lifter by a qualified person based on recommendations made by its manufacturer.

2. A qualified person shall have responsibility for repairs. Dated records and details of repairs and parts replacement should be carefully maintained by a qualified person, and copies kept in your possession.
3. Replacement parts shall be at least equivalent to the original manufacturer's specifications.

OPERATING PRACTICES

DO'S

1. The operator shall receive, read and understand the manufacturer's instruction manual.
2. The operator shall watch carefully that the lifter is performing properly during the lifting procedure.
3. The operator shall know the standard crane hand signals.
4. The operator shall only respond to signals from an appointed person. However, stop signals from anyone shall be obeyed.
5. The operator shall notify a designated person when he considers a load to be unsafe.
6. The operator shall observe the lifter before using. A defect observed shall be examined by a qualified person to determine if it is a hazard.

DON'TS

1. The operator shall not operate a malfunctioning lifter or one with an "out of service" tag attached.
2. The operator shall not use the lifter for any purpose(s) other than those designated by the manufacturer's instruction manual.
3. The operator shall not use a lifter when the capacity, weight or product safety labels are missing or are no longer legible.
4. No one shall make alterations or modifications to lifters without consulting the manufacturer.
5. No one shall obscure or paint over the manufacturer's capacity, weight, or product safety labels.
6. Loads shall not be lifted higher than necessary nor be left suspended unattended.
7. The lifter shall not lift a load that is not properly balanced for safe lifting.

HANDLING THE LOAD

1. The lifter shall not be loaded in excess of its rated load.
2. Ensure the load can withstand forces applied by the lifter.
3. The combined weight of the lifter and load shall not exceed the rated load of the crane or hoist.
4. The lifter shall be applied to the load in accordance with the manufacturer's recommended operating procedure.
5. Lifter ropes and chains shall not be kinked, and multiple part lines shall not be twisted about each other.
6. The lifter shall not touch obstructions during load movement.
7. The lifter shall not be loaded with loose material that might fall during movement.
8. The load or the lifter shall not be slid on the floor or other surface.
9. The operator or other personnel shall not place themselves or any part of their bodies beneath suspended loads.
10. The lifter shall not be used for loads for which it is not designed.
11. If suspended loads are moved manually, they shall be pushed, not pulled.
12. A preliminary lift of a few inches shall be made to establish that the load is stable.
13. All loads shall be accelerated and decelerated smoothly and slowly.

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