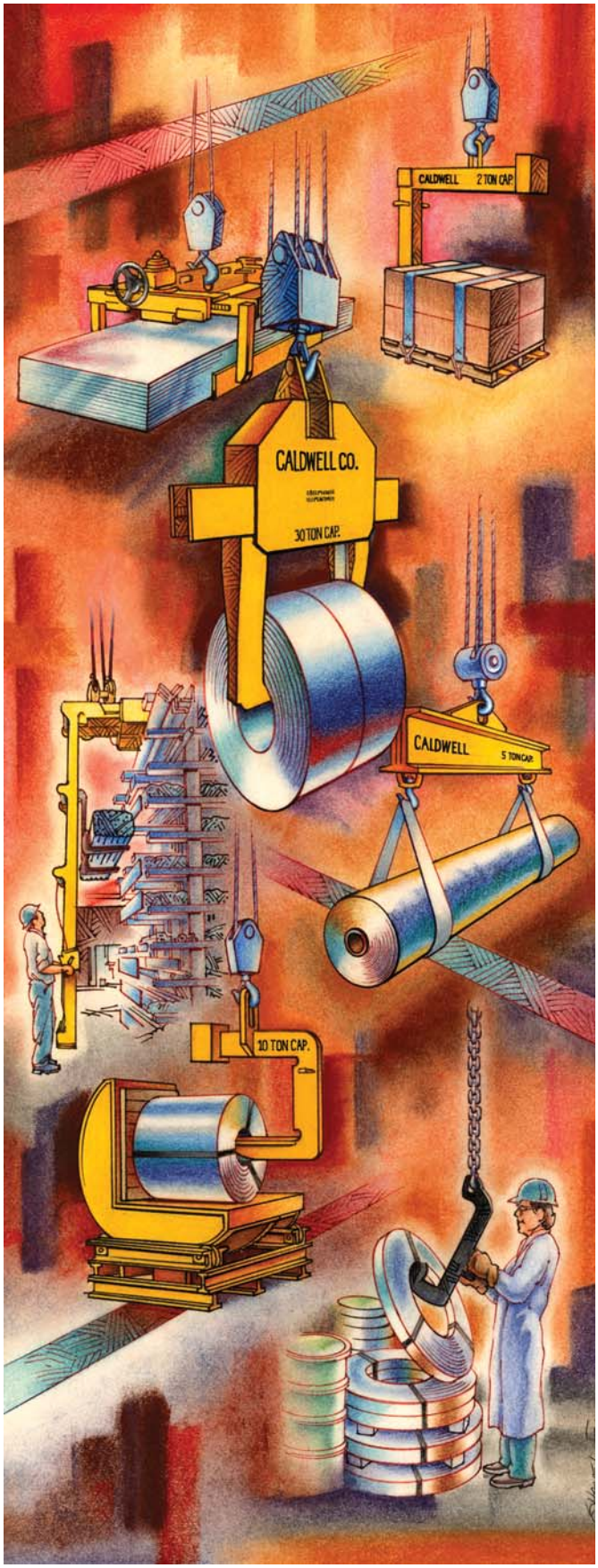
STRONG-BAC®

Below/Hook Lifters for Cranes & Hoists



Index to Strong-Bac® Below Hook Lifters

Quality & Engineering

The Caldwell Group has been manufacturing lifting equipment since 1954. It is our goal to manufacture high quality, long lasting lifting products that will safely increase productivity and reduce operating costs.

Below Hook Lifters are devices (excluding slings) that attach hoists to their loads. These lifters can be categorized into three types.

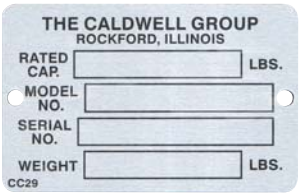
1. **Supporting -** carries the load on a bearing surface(s).
2. **Indentation -** grip force indents the sides of the load.
3. **Friction -** applies sufficient coefficient of friction to support the load.

Benefits your company will receive with a Caldwell Lifter:

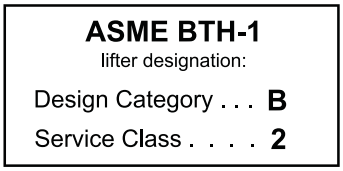
- Increased productivity.
- Low costs maintenance.
- Increased safety of an engineered product.
- Reliability and durability for long lasting service.

All Caldwell lifters have:

- Identification nameplate.
- Rated capacities.
- Product Safety Labels.



I.D. Nameplate



BTH-1 Tag

Industry Standards

The American Society of Mechanical Engineers (ASME) has developed standards that apply specifically to the devices Caldwell designs. ASME B30.20 provides detailed information on the classifications, marking, construction, installation, inspection, testing, maintenance, and operation of below the hook lifting devices. ASME BTH-1 provides detailed information on the design criteria of below the hook lifting devices. ASME B30.9 provides detailed information on the fabrication, markings, usage, inspection, and maintenance of lifting slings. These standards serve as a guide to government authorities, manufacturers, purchasers and users of lifting devices. For a summary of these standards, please see pages 7-10 in the front section of this catalog or visit our web site at www.caldwellinc.com/standards.

Product Safety Labels

Caldwell's Standard Quality Assurance program follows specific design criteria as required by ASME. If you would like your lifter proof tested and a test certificate issued, please specify at the time of order (there is a nominal charge).

Caldwell Delivery Programs

The Caldwell Group offers two quick delivery programs, INSTOCK and QUICKSHIP.

IN-STOCK PROGRAM

Look for the green INSTOCK logo on our standard products. The specific INSTOCK model number is shown in green. INSTOCK products ship in 48 hours (excluding weekends and holidays).

QUICKSHIP PROGRAM

Look for the red QUICKSHIP logo on our standard products. The specific QUICKSHIP model number is shown in red. QUICKSHIP products ship in 7 to 10 days (excluding weekends and holidays).

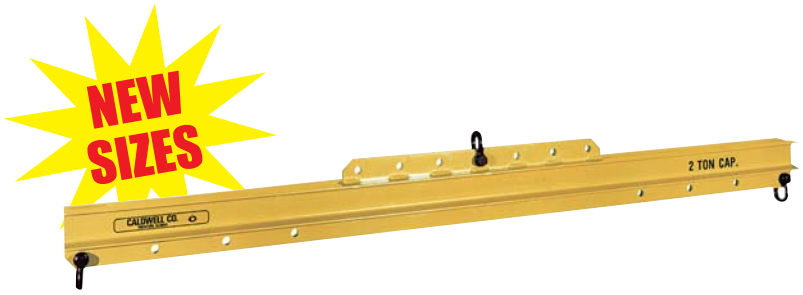
Caldwell Service

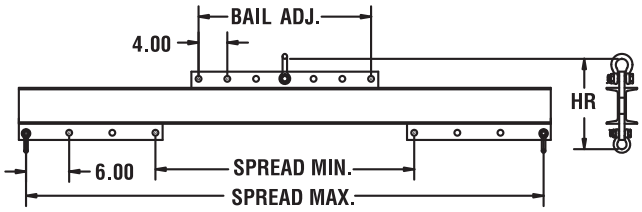
We offer solutions that will increase the productivity and effectiveness of your lifter, while ensuring the safety, reliability, and compliance of your equipment. Our services include: training & maintenance, inspection, repairs and modernizations. See page 6 in the front of this catalog for more details.

Test Certificate

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

Model 16 - Adjustable Spreader/Lifting Beam





PRODUCT FEATURES:

- Adjustable lifting points.
- Handles both wide and unbalanced loads.
- Low headroom capability.
- Shackles included.
- Add chain top rigging for additional stability.
- Optional swivel hooks available.
- Optional chain top rigging available.
- Complies with ASME standards.

PRODUCT OPTIONS:

- **OPTION S** - Pair of swivel hooks
- **OPTION C** - Chain top rigging
- **OPTION B1** - One cross beam*
- **OPTION B2** - Two cross beams*

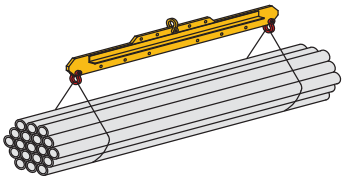
* Specify spreads

QUICKSHIP PROGRAM

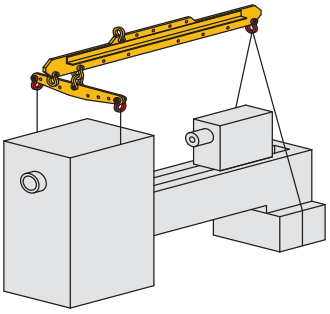
SPECIFICATIONS

Model Number	Rated Capacity (tons)	Spread (in.)		Bail Adjustment (in.)	HR Headroom (in.)	Bolt Type Anchor Shackle (tons)		Weight (lbs.)
		Max.	Min.			Top	Bottom	
16-1/4-4	1/4	48	12	16	7.13	1.5	1.5	40
16-1/2-4	1/2	48	12	16	7.13	1.5	1.5	40
16-1/2-6	1/2	72	36	24	10.00	1.5	1.5	100
16-1/2-8	1/2	96	48	32	10.00	1.5	1.5	135
16-1/2-10	1/2	120	60	40	10.00	1.5	1.5	145
16-1-6	1	72	36	24	10.00	1.5	1.5	100
16-1-8	1	96	48	32	11.00	1.5	1.5	140
16-1-10	1	120	60	40	11.00	1.5	1.5	175
16-2-6	2	72	36	24	12.50	3.25	2	130
16-2-8	2	96	48	32	13.50	3.25	2	200
16-2-10	2	120	60	40	14.50	3.25	2	280
16-4-8	4	96	48	32	16.75	4.75	4.75	290
16-4-10	4	120	60	40	18.75	4.75	4.75	420
16-4-12	4	144	72	48	18.75	4.75	4.75	500
16-5-8	5	96	48	32	18.75	6.5	4.75	320
16-5-10	5	120	60	40	20.25	6.5	4.75	465
16-5-12	5	144	72	48	20.25	6.5	4.75	550
16-7-12	7	144	72	48	23.75	8.5	6.5	790

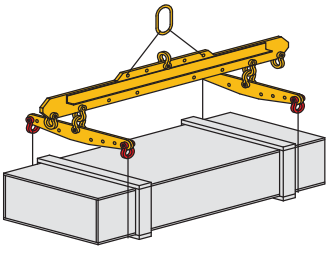
Operation



Standard
2 Point Lift



Custom
3 Point Lift



Custom
4 Point Lift

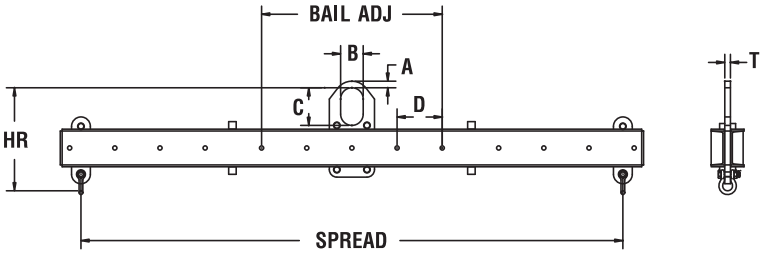
Model 17 - Adjustable Lifting Beam

PRODUCT FEATURES:

- Bail adjusts horizontally for lifting unbalanced loads.
- Provides clearance in low headroom applications.
- Spread adjusts in 6" increments along lifting beam.
- Shackles included.
- Optional swivel hooks available.
- Complies with ASME standards.

PRODUCT OPTIONS:

- **OPTION S** - Pair of swivel hooks

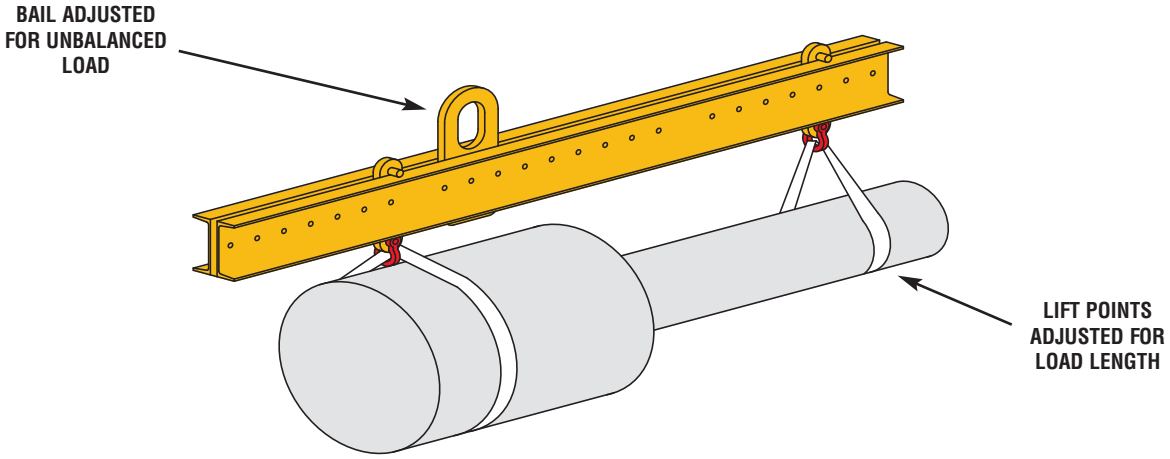


QUICKSHIP PROGRAM

SPECIFICATIONS

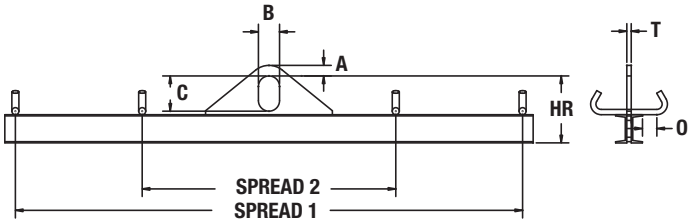
Model Number	Rated Capacity (tons)	Spread (in.)		Bail Adjustment		HR Headroom (in.)	Shackle Size (tons)	Bail Dimensions (in.)				Weight (lbs.)
		Max.	Min.	Range (in.)	D (in.)			A	B	C	T	
17-1 1/4-6	1-1/4	72	36	24	3	14.7	2	1 1/2	3	5	5/8	150
17-2-6	2	72	36	24	3	14.7	2	1 1/2	3	5	5/8	155
17-4-8	4	96	54	36	6	19.8	3 1/4	2	4	7	3/4	285
17-5-10	5	120	60	36	6	22.4	4 3/4	2	4	7	1	475

Operation



Model 18 - Fixed Twin Basket Sling Lifting Beam

QUICKSHIP PROGRAM



PRODUCT FEATURES:

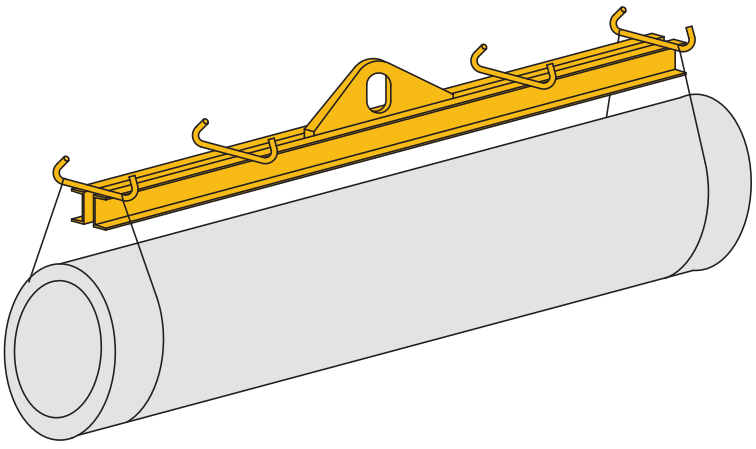
- Designed to be used with slings in a basket hitch.
- Provides greatest clearance in low headroom applications.
- Two sets of bent bar hooks are standard on units with a spread of 6' and greater.
- Spread 2 is 1/2 of spread 1.
- Hooks are designed to handle up to a 2" sling eye width.
- Complies with ASME standards.

SPECIFICATIONS

Capacity (tons)	Model Number / HR Headroom (in.) / Weight (lbs.)	Spread (feet) 3*	4*	6	8	10	12	Other Dimensions (in.)
1/2	Model Number	18-1/2-3	18-1/2-4	18-1/2-6	18-1/2-8	18-1/2-10	18-1/2-12	A=7/8 T=3/4
	HR Headroom	8-1/2	8-1/2	8-1/2	8-1/2	8-1/2	9-1/2	B=3 O=2
	Weight	40	48	78	95	113	171	C=5
1	Model Number	18-1-3	18-1-4	18-1-6	18-1-8	18-1-10	18-1-12	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	B=3 O=2
	Weight	40	48	93	136	175	239	C=5
2	Model Number	18-2-3	18-2-4	18-2-6	18-2-8	18-2-10	18-2-12	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	B=3 O=2
	Weight	52	75	139	169	246	326	C=5
5	Model Number	18-5-3	18-5-4	18-5-6	18-5-8	18-5-10	18-5-12	A=2 T=1-1/4
	HR Headroom	13-1/2	14-1/2	15-1/2	16-1/2	17-1/2	19-1/2	B=4 O=2
	Weight	104	135	211	310	423	618	C=7
7 1/2	Model Number	18-7 1/2-3	18-7 1/2-4	18-7 1/2-6	18-7 1/2-8			A=2 T=1-1/4
	HR Headroom	12	14	15	17			B=4 O=2
	Weight	125	185	315	475			C=7

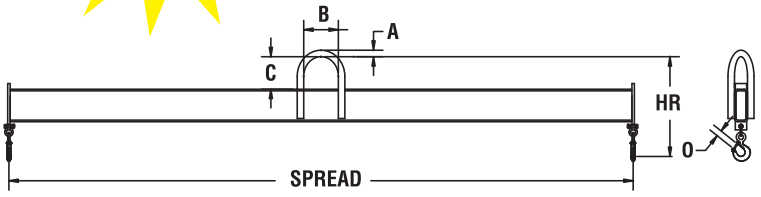
* 3' and 4' beams are provided with one set of bent bar hooks.

Operation



Model 19 - Fixed Spread Lifting Beam

NEW SIZES



PRODUCT FEATURES:

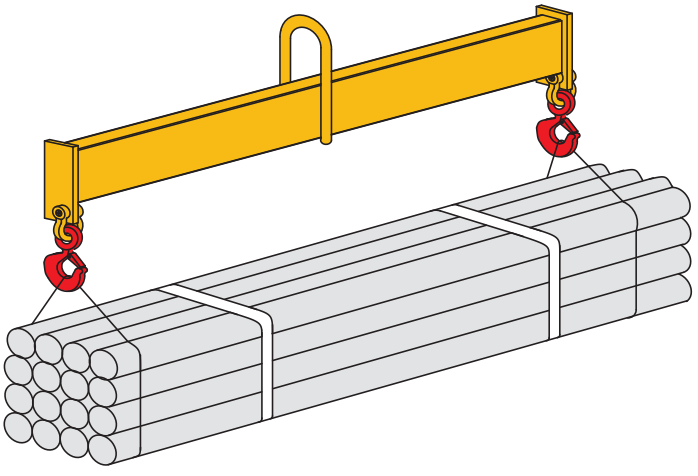
- Provides clearance in low headroom applications.
- Bent bar bail for easy crane hook attachment.
- Eye hooks with hook latches standard.
- Fixed spread.
- Complies with ASME standards.

QUICKSHIP PROGRAM

SPECIFICATIONS

Model Number HR Headroom (in.) Weight (lbs.)	Spread (feet)						Other Dimensions (in.)	
	2	3	4	6	8	10		
Model Number	19-1/2-2	19-1/2-3	19-1/2-4	19-1/2-6	19-1/2-8	19-1/2-10	A=.75	O=.89
HR Headroom	13.31	13.31	13.31	13.31	14.31	14.31	B=3	
Weight	20	26	33	48	75	93	C=5	
Model Number	19-1-2	19-1-3	19-1-4	19-1-6	19-1-8	19-1-10	A=1	O=.89
HR Headroom	14.31	14.31	14.31	15.31	15.31	16.31	B=6	
Weight	26	35	44	72	93	131	C=5	
Model Number		19-2-3	19-2-4	19-2-6	19-2-8	19-2-10	A=1	O=1
HR Headroom		16.75	16.75	19.75	19.75	19.75	B=6	
Weight		45	55	108	140	188	C=5	
Model Number		19-3-3	19-3-4	19-3-6	19-3-8	19-3-10	A=1.5	O=1
HR Headroom		18.00	20.00	20.00	20.00	20.00	B=6	
Weight		58	87	118	222	272	C=5	

Operation



Model 20 - Low Headroom Multiple Spread Lifting Beam

Ideal where headroom is limited.

PRODUCT FEATURES:

- Beams over 4' 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.

STANDARD FEATURE:

Three spreads to adjust to the load

- Outside spread
- Middle spread (outside less 1')
- Inside spread (outside less 2')

QUICKSHIP PROGRAM

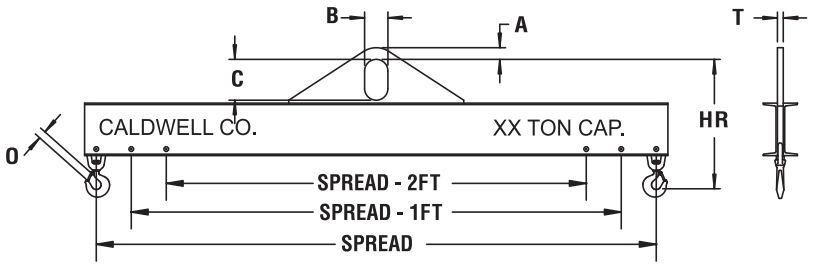
SPECIFICATIONS

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

Other sizes available, consult factory.

Lifting Beams

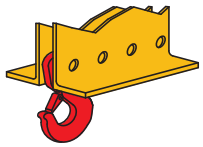
Recommend Faspins (Option B) if frequent hook position changes (spread) are required.



SPECIFICATIONS

Outside Spread (feet)							Other Dimensions (in.)	
	14	16	18	20	24	30		
	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		A=7/8 B=3 C=5	T=3/4 O=7/8
	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		A=7/8 B=3 C=5	T=3/4 O=7/8
	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		A=1-1/4 B=3 C=5	T=1 O=1
	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		A=2 B=4 C=7	T=1-1/4 O=1-15/16
	20-7 1/2-14 30-1/4 1070	20-7 1/2-16 30-1/4 1210	20-7 1/2-18 33 1665				A=2 B=4 C=7	T=1-1/4 O=1-1/2
	20-10-14 30-1/4 1075	20-10-16 33 1500	20-10-18 33 1670				A=2 B=4 C=7	T=1-1/4 O=1-9/16
	20-15-14 40-1/4 1385						A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/16
							A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/4
							A=3 B=6 C=12	T=1-3/4 O=2-1/4
							A=3-1/2 B=7 C=16	T=2 O=2-1/4
							A=3-1/2 B=7 C=16	T=2-1/2 O=3

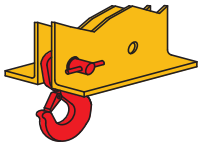
See page A.10 for these capacities and sizes.



OPTION A

Extra Holes or Different Placement of Holes

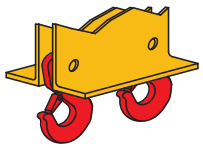
Allows multiple hook positioning beyond standard spreads. Specify number and spread(s) required.



OPTION B

Faspins

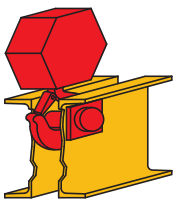
For ease of positioning hooks with quick release. Specify number required.



OPTION C

Extra Hooks

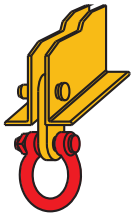
Allows for multiple pick points. Specify number required.



OPTION D

Pin Type Bail

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

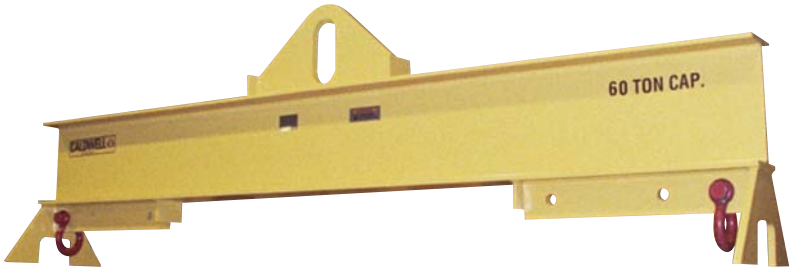


OPTION E

Shackle Lug

Lifting lug with shackle. (Headroom may change.)

Model 20H - Low Headroom Multiple Spread Lifting Beam



Shown with optional Built-In Stand and different hole placement.

PRODUCT FEATURES:

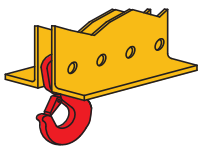
- 'I' beam construction.
- Three spreads to adjust to the load
  - Outside spread
  - Middle spread (outside less 1')
  - Inside spread (outside less 2')
- Swivel hooks with hook latches standard.
- Wide range of sizes and capacities available.
- Complies with ASME standards.

SPECIFICATIONS

Capacity (tons)	Model Number / Headroom (in.) / Weight (lbs.)	Outside Spread (feet)									Other Dimensions (in.)
		8	10	12	14	16	18	20	24	30	
1	Model Number HR Headroom Weight									20H-1-30 27.5 1500	A=7/8 T=3/4 B=3 O=7/8 C=5
2	Model Number HR Headroom Weight									20H-2-30 27.5 1600	A=7/8 T=3/4 B=3 O=7/8 C=5
3	Model Number HR Headroom Weight									20H-3-30 29.5 1900	A=1-1/4 T=1 B=3 O=1 C=5
5	Model Number HR Headroom Weight									20H-5-30 31.75 2310	A=2 T=1-1/4 B=4 O=1-15/16 C-7
7-1/2	Model Number HR Headroom Weight							20H-7 1/2-20 34.75 1325	20H-7 1/2-24 34.75 1890	20H-7 1/2-30 35 2790	A=2 T=1-1/4 B=4 O=1-1/2 C=7
10	Model Number HR Headroom Weight							20H-10-20 35.75 1465	20H-10-24 36 2075	20H-10-30 37.75 3150	A=2 T=1-1/4 B=4 O=1-9/16 C=7
15	Model Number HR Headroom Weight					20H-15-16 41.5 1361	20H-15-18 41.75 1610	20H-15-20 42 1915	20H-15-24 43.5 2690	20H-15-30 42.25 4255	A=2-1/2 T=1-1/2 B=5 O=2-1/16 C=9
20	Model Number HR Headroom Weight				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 48.5 3155	20H-20-30 49.25 5040	A=2-1/2 T=1-1/2 B=5 O=2-1/4 C=9
25	Model Number HR Headroom Weight				20H-25-14 54.75 1540	20H-25-16 55 1900	20H-25-18 56.75 2230	20H-25-20 59.75 2725	20H-25-24 60 3685	20H-25-30 60.75 5530	A=3 T=1-3/4 B=6 O=2-1/4 C=12
30	Model Number HR Headroom Weight		20H-30-10 54.5 1150	20H-30-12 56.5 1395	20H-30-14 56.5 1695	20H-30-16 56.75 2050	20H-30-18 62.25 2380	20H-30-20 62.5 2850	20H-30-24 63 4040	20H-30-30 68.75 5725	A=3-1/2 T=2 B=7 O=2-1/4 C=16
40	Model Number HR Headroom Weight	20H-40-8 65.75 1200	20H-40-10 66.25 1550	20H-40-12 66.25 1840	20H-40-14 66.25 2220	20H-40-16 68.75 2400	20H-40-18 69.25 3100	20H-40-20 72 3680	20H-40-24 75.25 4920	20H-40-30 78.5 6810	A=3-1/2 T=2-1/2 B=7 O=3 C=16

See page A.8 and A.9 for these capacities and sizes.

Other sizes available, consult factory.



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

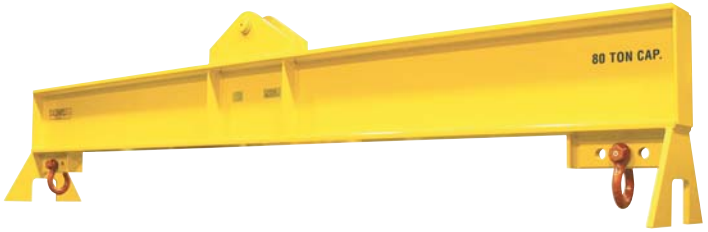
Allows for multiple pick points or eliminates the need to move hardware for different size loads.

OPTION C

Built In stand

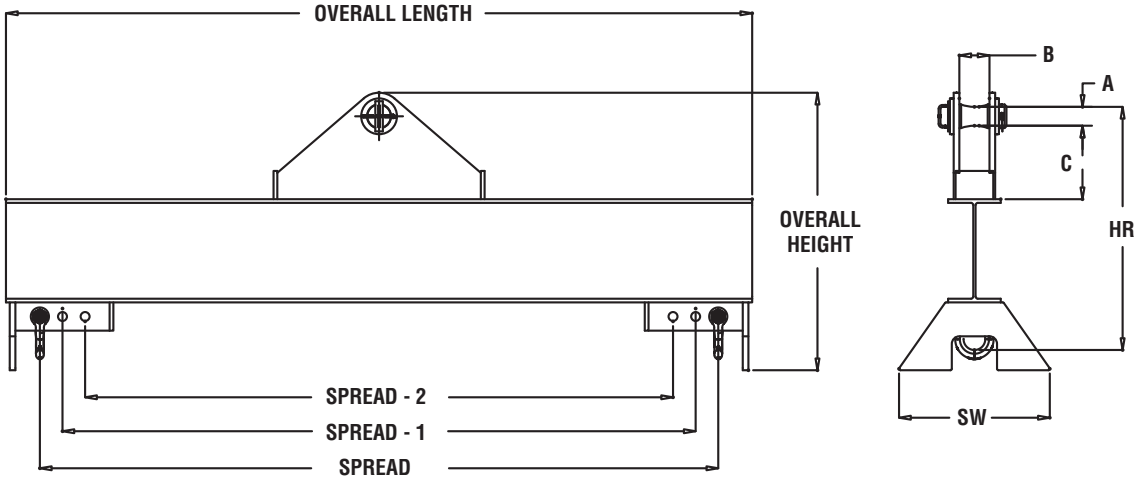
Keeps beam upright for easy crane hook attachment (pictured above).

Model 20HC - High-Capacity Lifting Beams



PRODUCT FEATURES:

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



SPECIFICATIONS

Capacity (tons)	Model Number	Spread (ft.)	Dimensions (inches)							Weight (lbs.)
			Overall Width	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

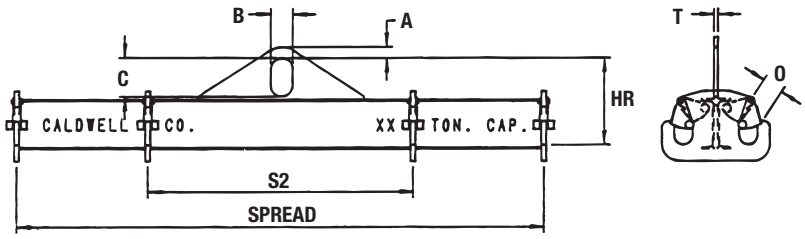
Other sizes available, consult factory.

Model 22 - Heavy Duty Twin Basket Sling Lifting Beam

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.

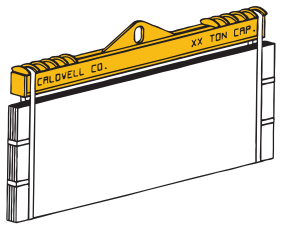
QUICKSHIP PROGRAM



SPECIFICATIONS

Capacity (tons)	Model Number / HR Headroom (in.) / Weight (lbs.)	Spread (feet) 3	4	6	8	10	12	14	16	18	20	24	30	Other Dimensions (in.)
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
	Weight	50	65	110	150	200	220	298	331	424	463	627	855	C=5
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
	Weight	50	65	145	210	230	290	338	390	539	588	907	1150	C=5
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
	Weight	70	90	160	225	300	375	447	515	725	815	1221	2272	C=5
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*
	Weight	90	160	275	350	450	500	854	940	1398	1650	2144	2330	C=7 O=1-1/8
7-1/2	Model Number	22-7 1/2-3	22-7 1/2-4	22-7 1/2-6	22-7 1/2-8	22-7 1/2-10	22-7 1/2-12	22-7 1/2-14	22-7 1/2-16	22-7 1/2-18	22-7 1/2-20	22-7 1/2-24	22-7 1/2-30	A=2 T=1-1/4
	HR Headroom	14-1/2	15-1/2	16-1/2	17-1/2	17-1/2	19-1/2	22-1/2	22-1/2	22-1/2	22-1/2	25-1/2	25-1/2	B=4 O=1-3/4
	Weight	155	180	330	410	500	700	1162	1300	1468	1606	2354	2877	C=7
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
	Weight	150	200	320	500	850	1000	1147	1299	1741	1943	2335	2962	C=7
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
	Weight	397	471	970	1240	1256	1980	2065	2100	2391	2584	4045	4100	C=9
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=9

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.

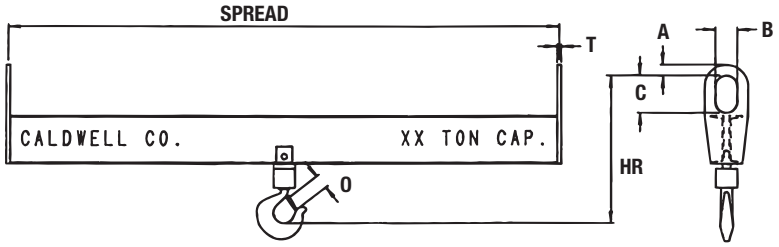


Model 25 - Twin Hoist Lifting Beam

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

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.

QUICKSHIP PROGRAM

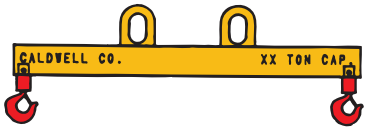


SPECIFICATIONS

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

See Model 21 (p. A.20) for Twin Hoist Rotating Beam

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



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

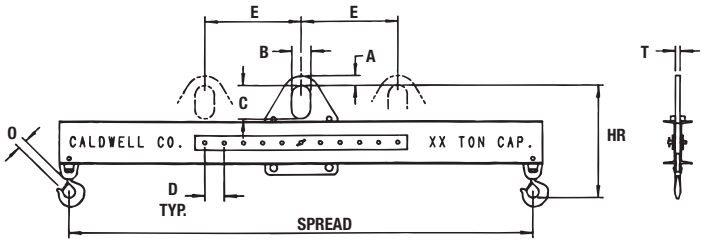
OPTION C
Center bail and extra pair of hooks for maximum versatility.

Model 24 - Adjustable Bail Lifting Beam

Shown with extra holes (Option A)

PRODUCT FEATURES:

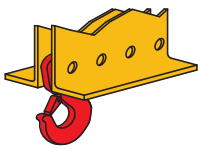
- Handles off center loads by adjusting the bail before a lift.
- Adjustable spread options available.
- Swivel hooks with hook latches standard.
- Wide range of sizes and capacities available.
- Complies with ASME standards.



SPECIFICATIONS

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

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

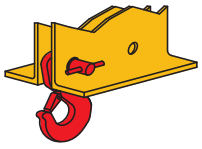


OPTION A*

EXTRA HOLES

Allows for multiple hook positioning. Specify number and spread(s) required.

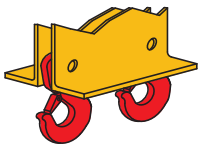
*Could increase headroom.



OPTION B

FASPINS

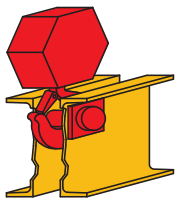
For ease of positioning hooks with quick release. Specify number of faspins required.



OPTION C

EXTRA HOOKS

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



OPTION D

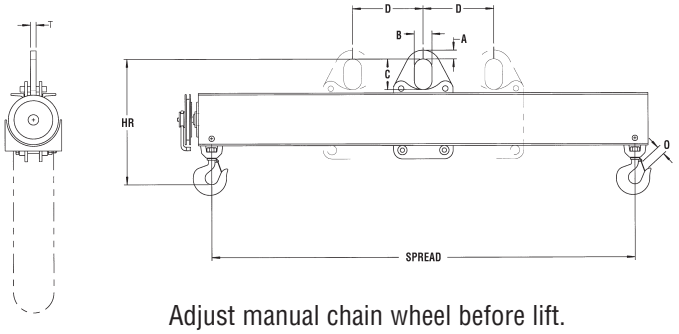
LOWER HEADROOM

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

Model 26 - Load Leveler Lifting Beam

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.

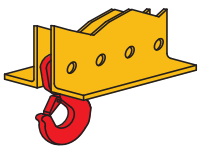


Adjust manual chain wheel before lift.

SPECIFICATIONS (chain wheel model only)

Rated Capacity (tons)	Model Number / HR Headroom (in.) / Weight (lbs.)	Spread (feet) 4	6	8	10	12	14	16	18	20	24	Other Dimensions (in.)
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 T=5/8
	HR Headroom	15-1/8	15-1/8	16-1/8	17-1/8	17-1/8	18-1/8	18-1/8	19-1/8	19-1/8	20-1/8	B=3 O=1
	Weight	135	185	260	329	377	481	538	680	750	1265	C=5
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 T=1
	HR Headroom	21-1/2	21-1/2	23-1/2	23-1/2	25-1/2	25-1/2	25-1/2	28-1/2	28-1/2	28-1/2	B=4 O=1
	Weight	170	270	382	475	681	777	950	1455	1603	2345	C=7
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 T=1-1/4
	HR Headroom	25-3/4	28-3/4	28-3/4	31-3/4	31-3/4	31-3/4	31-3/4	34-3/4	34-3/4	34-3/4	B=4 O=1-3/4
	Weight	257	440	500	940	1094	1243	1388	1875	2056	2560	C=7
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 T=1-1/2
	HR Headroom	30-1/2	33-1/2	33-1/2	33-1/2	36-1/2	36-1/2	36-1/2				B=5 O=1-3/4
	Weight	376	565	622	972	1319	1418	1513				C=9
20	**Model Number**	**26-20-4**	**26-20-6**	**26-20-8**	**26-20-10**	**26-20-12**						A=2-1/2 T=1-1/2
	HR Headroom	34	37	37	37	37						B=5 O=2
	Weight	445	798	900	1050	2250						C=9

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

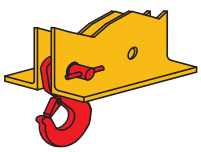


OPTION A

EXTRA HOLES

Allows for multiple hook positioning. Specify number and spread(s) required.

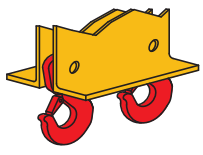
*Could increase headroom.



OPTION B

FASPINS

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



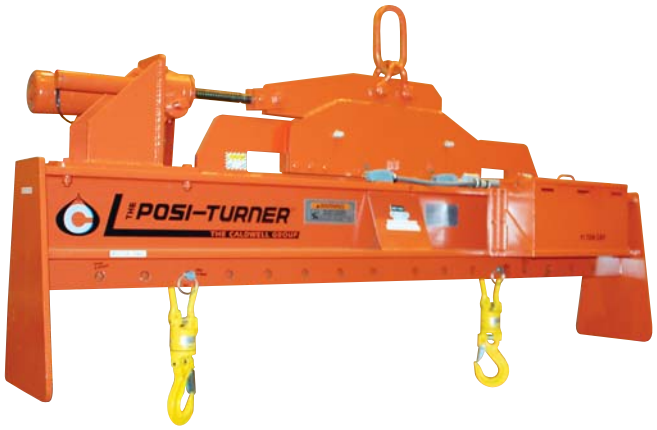
OPTION C

EXTRA HOOKS

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

MOTORIZED ADJUSTMENT Please see our Posi-Leveler™.

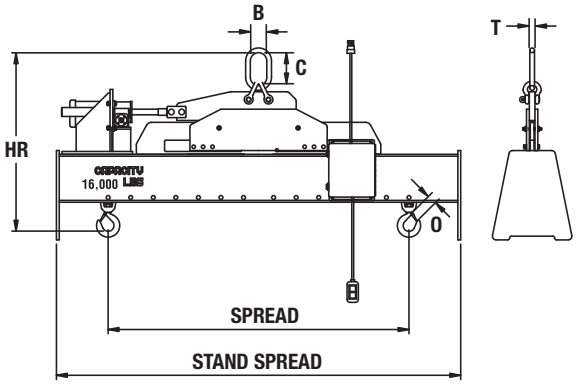
Model 26P - Posi-Leveler™ Motorized Load Leveling Beam



Show with special swivel bearing load hooks.

PRODUCT FEATURES:

- Motorized Posi-Leveler™ adjusts to the center of gravity during lift.
- Swivel hooks with hook latches are standard.
- Custom sizes are available.
- Push button pendent control with radio control option.
- Standard bail adjustment 6" each side of center, with optional 12" adjustment each side of center available.
- Complies with ASME standards.



SPECIFICATIONS

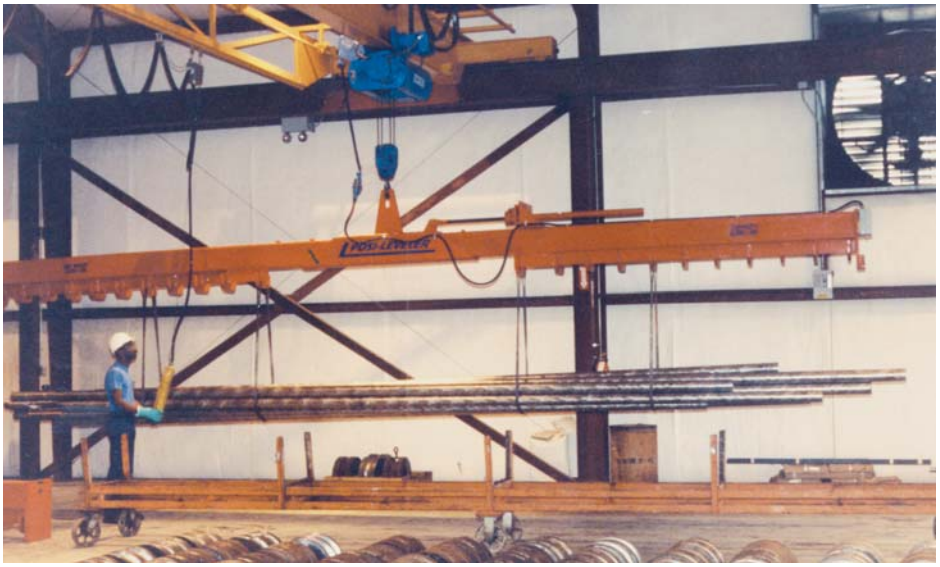
Rated Capacity (tons)	Model Number / HR Headroom (in.) / Weight (lbs.)	Spread (feet) 8	10	12	14	16	18	20	24	Other Dimensions (in.)
2	Model Number	26P-2-8	26P-2-10	26P-2-12	26P-2-14	26P-2-16	26P-2-18	26P-2-20	26P-2-24	B=2.8 T=3/4 C=4.8 O=1
	HR Headroom	28.7	29.7	29.7	33	33	35	35	37.4	
	Weight	370	435	465	575	620	805	880	1300	
3	Model Number	26P-3-8	26P-3-10	26P-3-12	26P-3-14	26P-3-16	26P-3-18	26P-3-20	26P-3-24	B=2.8 T=3/4 C=4.8 O=1
	HR Headroom	30.3	31.3	33.3	33.3	33.3	33.3	35.3	38.3	
	Weight	405	480	610	695	760	820	1015	1300	
5	Model Number	26P-5-8	26P-5-10	26P-5-12	26P-5-14	26P-5-16	26P-5-18	26P-5-20	26P-5-24	B=3.5 T=1 C=6.0 O=1
	HR Headroom	36.8	36.8	38.8	38.8	38.8	43.8	43.8	44.8	
	Weight	620	680	875	990	1070	1640	1800	2380	
7-1/2	Model Number		26P-7 1/2-10	26P-7 1/2-12	26P-7 1/2-14	26P-7 1/2-16	26P-7 1/2-18			B=4.4 T=1-1/4 C=7.5 O=1-3/4
	HR Headroom		46.8	46.8	49.5	49.5	49.5			
	Weight		1105	1185	1680	1815	1950			
10	Model Number		26P-10-10	26P-10-12	26P-10-14	26P-10-16	26P-10-18			B=4.4 T=1-1/4 C=7.5 O=1-3/4
	HR Headroom		49.5	49.5	49.5	49.5	52.5			
	Weight		1475	1610	1780	1915	2375			
15	Model Number		26P-15-10	26P-15-12	26P-15-14					B=5.3 T=1-1/2 C=9.6 O=1-3/4
	HR Headroom		52.7	55.7	55.7					
	Weight		1625	1980	2190					
20	Model Number		26P-20-10	26P-20-12						B=6.0 T=1-3/4 C=10.0 O=2
	HR Headroom		64	64						
	Weight		1965	2130						

Lifting Beams

The Posi-Leveler™ allows for motorized adjustment of the beams central lifting point during the lift to always maintain a balanced load. This feature can be used for fine adjustment of the center of gravity during the lift. Leveling uneven loads during the lift saves rigging time and promotes a safer work environment.

IDEAL FOR:
- Bundles
- Odd or irregular shaped loads
- Weldments
- Paper roll handling
- Sheet handling

Special 4-point Posi-Leveler™ with load guides.

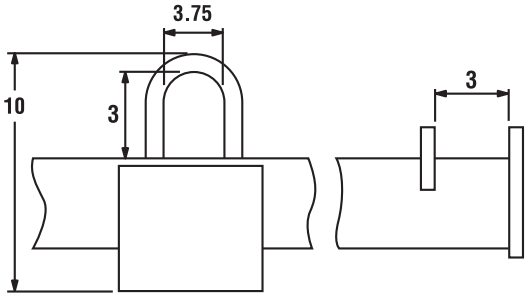


Model 27SL - Bulk Container Lifting Beams

QUICKSHIP PROGRAM

PRODUCT FEATURES:

- Constructed of tubing for smooth surface with no sharp edges.
- Low headroom design.
- Easily attach to load with open lifting lugs.
- Lug spacing will hold up to a 3" wide loop.
- Oversized lifting eye to accept a wide range of hooks.
- Complies with ASME standards.



NOTE: All dimensions shown in inches.

SPECIFICATIONS

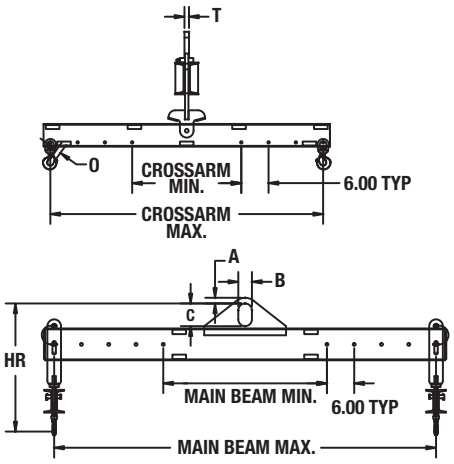
Model Number	Capacity (lbs.)	Span (in.)	Weight (lbs.)
27SL-1-36	2200	36	150
27SL-1-48	2200	48	185
27SL-2-36	4400	36	155
27SL-2-48	4400	48	190

Other sizes available, please consult factory.

Model 27SD - Standard Adjustable Four Point Lifting Beam

PRODUCT FEATURES:

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



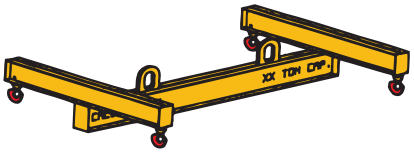
SPECIFICATIONS

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

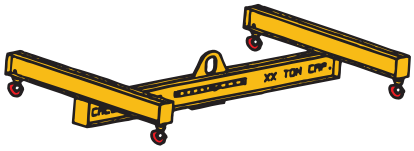
Custom sizes and capacities available. Please fill out the Lifting Beam Application Evaluation on page A.21.

Model 27F - Four Point Lifting Beams

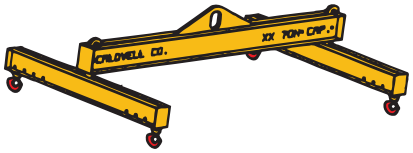
This low headroom lifting beam handles large loads using multiple pick points. Each unit is custom designed for your specific application. Complies with ASME standards.



OPTION A
MULTIPLE BAILS
Use 2 or 4 hoists to increase lifting stability.



OPTION B
ADJUSTABLE BAIL
Is used when load-leveling capability is required along length of load.

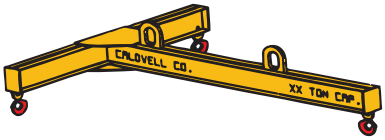


OPTION C
ADJUSTABLE SPREAD
Use when adjustability in length and width is required.

Model 27T - Three Point Lifting Beams

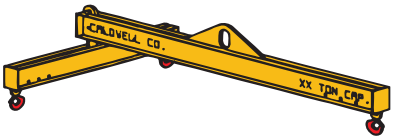
Shown with Option B

This low headroom lifting beam handles large loads using multiple pick points. Each unit is custom designed for your specific application. Complies with ASME standards.



OPTION A
MULTIPLE BAILS
Use 2 hoists to increase lifting stability.

OPTION B
ADJUSTABLE BAIL
Is used when load-leveling capability is required along length of load.



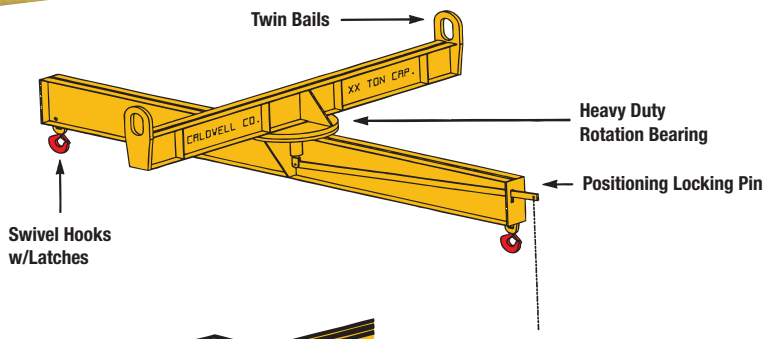
OPTION C
ADJUSTABLE SPREAD
Use when adjustability in length and width is required.

Model 21 - Twin Hoist Rotating Lifting Beams

A specially designed lifting and rotating beam using two cranes or two hoists to horizontally rotate a load. A position locking pin holds the load rotation at a designated position. Available with motorized rotation.

PRODUCT FEATURES:

- Wide range of sizes and capacities available.
- Complies with ASME standards.



OPTION A

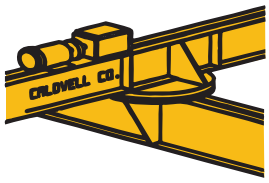
TWIN HOOKS

Used in conjunction with basket hitch slings.

OPTION B

J HOOKS

Generally required to lift paper rolls or similar application. (Use Paper Roll Lifters - Application Evaluation, page A.29.)



OPTION C

MOTORIZED ROTATION

Allows remote positioning of a load.

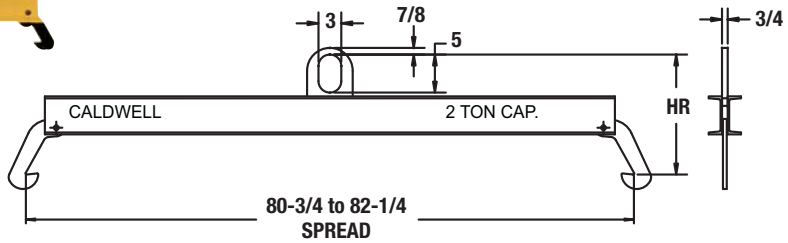
OPTION D

LOWER HEADROOM BAILS

Utilized when headroom must be held to a minimum. Crane hook data must be supplied, see page A.21.

Model 28 - Chlorine Cylinder Lifting Beam

Designed to efficiently handle standard chlorine gas cylinders. Standard size determined by the Chlorine Institute is 80-3/4" to 82-1/4" in length. Special low headroom modification is available.



NOTE: All dimensions shown in inches.

QUICKSHIP PROGRAM

SPECIFICATIONS

Model Number	Capacity (tons)	HR Headroom (in.)	Weight (lbs.)
28-2-80/82	2	16-1/2 - 15-1/2	105

Lifting Beams - 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: _____

Dual crane hoist information

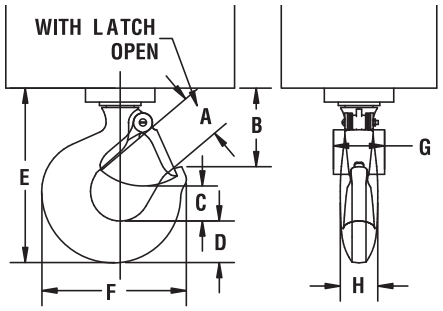
Distance between: _____

Same capacity? ❑ Yes ❑ No

If no, specify capacities: _____

_____

CRANE HOOK DATA:



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.

Model 30HC - High Capacity Spreader Beam

NEW

Caldwell's new High Capacity Spreader Beam is the solution you need to fill those orders where a quick delivery is required on beams with capacities ranging from 5 to 130 tons!

PRODUCT FEATURES:

- Unique pivoting lower lugs allow for 75° to 90° lower rigging angle.
- Capacities from 5 to 130 tons.
- Beam only available in 7 - 10 days.
- Optional wire rope top rigging available.
- Complies with ASME standards.

QUICKSHIP PROGRAM

Shown With Chain Rigging
(Used only for small capacity and span beams)

Shown With Wire Rope Rigging
(Not available in our QuickShip Program)

SPECIFICATIONS

	6	8	10
50 ton	**30HC - 50 - 6**	**30HC - 50 - 8**	**30HC - 50 - 10**
Weight (lbs.)*	420	460	760
HR at 45° (in.)	N/A	N/A	92
HR at 60° (in.)	94	114	136
Bottom Shackle	25 Ton BTAS	25 Ton BTAS	25 Ton BTAS
Top Shackle	35 Ton BTAS	35 Ton BTAS	35 Ton BTAS
60 ton		**30HC - 60 - 8**	**30HC - 60 - 10**
Weight (lbs.)*		840	920
HR at 45° (in.)		84	96
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		55 Ton BTAS	55 Ton BTAS
70 ton		**30HC - 70 - 8**	**30HC - 70 - 10**
Weight (lbs.)*		840	920
HR at 45° (in.)		84	96
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		55 Ton BTAS	55 Ton BTAS
80 ton		**30HC - 80 - 8**	**30HC - 80 - 10**
Weight (lbs.)*		840	920
HR at 45° (in.)		84	N/A
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		55 Ton BTAS	55 Ton BTAS
90 ton		**30HC - 90 - 8**	**30HC - 90 - 10**
Weight (lbs.)*		1420	1600
HR at 45° (in.)		84	96
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		85 Ton BTAS	85 Ton BTAS
100 ton		**30HC - 100 - 8**	**30HC - 100 - 10**
Weight (lbs.)*		1420	1600
HR at 45° (in.)		84	96
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		85 Ton BTAS	85 Ton BTAS
110 ton		**30HC - 110 - 8**	**30HC - 110 - 10**
Weight (lbs.)*		1420	1600
HR at 45° (in.)		84	96
HR at 60° (in.)		120	140
Bottom Shackle		55 Ton BTAS	55 Ton BTAS
Top Shackle		85 Ton BTAS	85 Ton BTAS
120 ton		**30HC - 120 - 8**	**30HC - 120 - 10**
Weight (lbs.)*		1450	1620
HR at 45° (in.)		96	108
HR at 60° (in.)		130	152
Bottom Shackle		85 Ton BTAS	85 Ton BTAS
Top Shackle		85 Ton BTAS	85 Ton BTAS
130 ton		**30HC - 130 - 8**	**30HC - 130 - 10**
Weight (lbs.)*		1450	1620
HR at 45° (in.)		96	108
HR at 60° (in.)		130	152
Bottom Shackle		85 Ton BTAS	85 Ton BTAS
Top Shackle		85 Ton BTAS	85 Ton BTAS

*Weight is beam only, does not include shackles or top rigging.

Spreader Beams

Capacity and spread configurations are virtually limitless.

The chart below highlights sizes available from 50 to 130 tons. You can review our complete high capacity spreader beam chart, starting at 5 tons, online at www.caldwellinc.com. For beam customizations, please fill out an application evaluationform online or contact us with complete details and we will configure the high capacity spreader beam you need!

Spread in Feet								
	12	16	20	24	28	32	36	40
	30HC - 50 - 12	**30HC - 50 - 16**	**30HC - 50 - 20**	**30HC - 50 - 24**	**30HC - 50 - 28**	**30HC - 50 - 32**	**30HC - 50 - 36**	**30HC - 50 - 40**
	850	1020	1190	1370	1540	1710	3750	4010
	104	128	152	N/A	N/A	N/A	254	278
	156	198	240	282	324	364	412	454
	25 Ton BTAS	25 Ton BTAS	25 Ton BTAS	25 Ton BTAS	25 Ton BTAS	25 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	35 Ton BTAS	35 Ton BTAS	35 Ton BTAS	35 Ton BTAS	35 Ton BTAS	35 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	30HC - 60 - 12	**30HC - 60 - 16**	**30HC - 60 - 20**	**30HC - 60 - 24**	**30HC - 60 - 28**	**30HC - 60 - 32**	**30HC - 60 - 36**	**30HC - 60 - 40**
	1010	1190	1360	1530	1710	1880	3750	4100
	108	132	N/A	N/A	N/A	N/A	254	278
	162	204	246	286	328	370	412	454
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	30HC - 70 - 12	**30HC - 70 - 16**	**30HC - 70 - 20**	**30HC - 70 - 24**	**30HC - 70 - 28**	**30HC - 70 - 32**	**30HC - 70 - 36**	**30HC - 70 - 40**
	1010	1190	2330	2690	3040	3400	3750	4100
	N/A	N/A	156	180	204	230	254	278
	162	204	246	286	328	370	412	454
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	30HC - 80 - 12	**30HC - 80 - 16**	**30HC - 80 - 20**	**30HC - 80 - 24**	**30HC - 80 - 28**	**30HC - 80 - 32**	**30HC - 80 - 36**	**30HC - 80 - 40**
	1010	1190	2330	2690	3040	3400	3750	4100
	N/A	N/A	156	180	204	230	254	278
	162	204	246	286	328	370	412	452
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	30HC - 90 - 12	**30HC - 90 - 16**	**30HC - 90 - 20**	**30HC - 90 - 24**	**30HC - 90 - 28**	**30HC - 90 - 32**	**30HC - 90 - 36**	**30HC - 90 - 40**
	1780	2130	2490	2840	3200	3550	3900	4260
	108	132	156	180	204	230	254	N/A
	162	204	246	286	328	370	412	452
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS
	30HC - 100 - 12	**30HC - 100 - 16**	**30HC - 100 - 20**	**30HC - 100 - 24**	**30HC - 100 - 28**	**30HC - 100 - 32**	**30HC - 100 - 36**	**30HC - 100 - 40**
	1780	2130	2490	2840	3200	3550	3900	4260
	108	132	156	180	204	230	N/A	N/A
	162	204	246	286	328	370	412	452
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS
	30HC - 110 - 12	**30HC - 110 - 16**	**30HC - 110 - 20**	**30HC - 110 - 24**	**30HC - 110 - 28**	**30HC - 110 - 32**	**30HC - 110 - 36**	**30HC - 110 - 40**
	1780	2130	2490	2840	3200	3550	3900	4260
	108	132	156	180	204	N/A	N/A	N/A
	162	204	246	286	338	370	412	452
	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS	55 Ton BTAS
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS
	30HC - 120 - 12	**30HC - 120 - 16**	**30HC - 120 - 20**	**30HC - 120 - 24**	**30HC - 120 - 28**	**30HC - 120 - 32**	**30HC - 120 - 36**	**30HC - 120 - 40**
	1800	2150	2500	2860	3220	3570	3820	4280
	120	144	168	192	N/A	N/A	N/A	N/A
	172	216	256	298	340	380	422	462
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS
	30HC - 130 - 12	**30HC - 130 - 16**	**30HC - 130 - 20**	**30HC - 130 - 24**	**30HC - 130 - 28**	**30HC - 130 - 32**	**30HC - 130 - 36**	
	1800	2150	2500	2860	3220	3570	3920	
	120	144	168	N/A	N/A	N/A	N/A	
	172	216	256	298	340	380	422	
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	
	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	85 Ton BTAS	

Model HC-BEF - High Capacity Beam End Fitting

The same end fittings that build our high capacity spreader beams are available as end fittings only. This allows you to stock one or several sizes of end fittings; work with a local steel supplier to provide cut to length schedule 80 pipe; drill accordingly; and add the required top rigging. Now you can respond to your customers needs with a quickly built, ASME compliant spreader beam.

NEW

PRODUCT FEATURES:

- Build your own spreader beam.
- Fittings only are available in 2 business days.
- Pivoting lower lugs allow for 75° to 90° lower rigging angle.
- Complies with ASME standards when assembled to specifications using designated pipe and rigging.

IN-STOCK PROGRAM

Maximum End Fitting Capacity Per Pair

SPECIFICATIONS

Model Number	Max. Capacity (tons)*	Schedule 80 Pipe Size
BEF-5HC-25	25	5”
BEF-5HC-50	50	5”
BEF-8HC-50	50	8”
BEF-8HC-80	80	8”
BEF-12HC-80	80	12”
BEF-12HC-110	110	12”
BEF-12HC-130	130	12”

* System capacity is determined by span, rigging, and hardware, consult factory for complete details.

Assembly Information

The Caldwell Model HC-BEF is designed to use A53 Grade B, schedule 80 pipe as the central structural element between the end fittings. This structural material is readily available at most steel service centers. See the above chart for the nominal A53 Grade B, schedule 80 pipe size required.

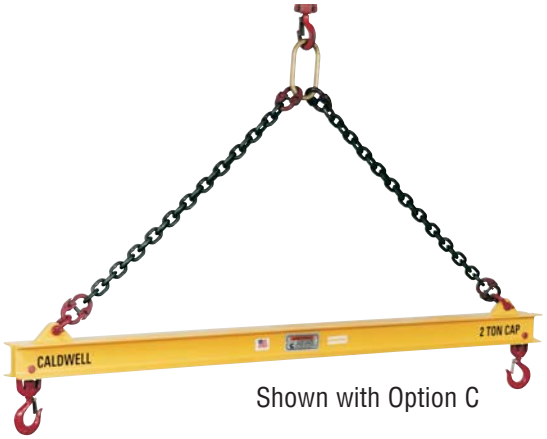
Other requirements are:

- The length of pipe used for this central element must be straight within 1/4" end to end.
- The pipe should have the ends cleanly cut square with its centerline.
- The A53 Grade B, schedule 80 pipe should not have any weld joint irregularities.
- Each end of the A53 Grade B, schedule 80 pipe must have the correct diameter holes drilled through both walls and both ends must be in line.
- The A53 Grade B, schedule 80 pipe used in this application does not need to pass any pressure testing.

Assembly pins are provided with the end fittings. The pins provided are only to be used to fasten the High Capacity Beam End Fitting (HC-BEF) to the properly sized A53 Grade B, schedule 80 pipe.

NOTE: Complete assembly instructions are provided with each set of end fittings.

Model 30 - Fixed Spreader Beams



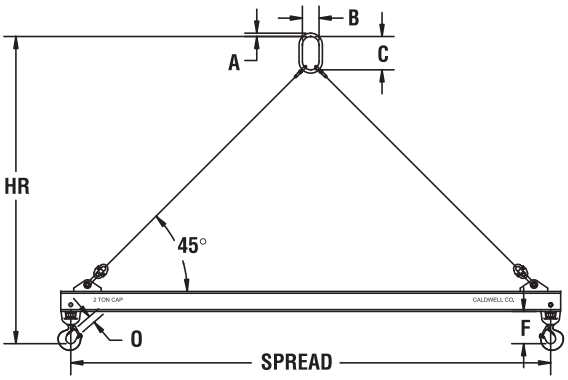
Shown with Option C

Specify Top Rigging

QUICKSHIP PROGRAM

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.



SPECIFICATIONS

Capacity (tons)	Model Number / HR Headroom (in.) / Weight (lbs.)	Spread (feet) 4	6	8	10	12	16	20	24	Other Dimensions (in.)	
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	F=4-1/4
	HR Headroom	34	46	58	70	82	106	132	156	B=2-1/2	O=31/32
	Weight	45	60	82	95	115	225	408	445	C=5	
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	F=6
	HR Headroom	37	49	61	73	83	110	134	158	B=3-1/2	O=1-1/16
	Weight	62	78	100	117	168	305	435	661	C=7	
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	F=8-1/8
	HR Headroom	41	53	64	77	86	113	138	163	B=4-3/8	O=1-1/2
	Weight	100	122	156	180	240	380	532	915	C=8-3/4	
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	F=9-1/4
	HR Headroom	43	55	65	80	92	116	140	167	B=5-1/4	O=1-3/4
	Weight	126	155	185	242	270	420	665	953	C=10-1/2	
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	F=9-3/4
	HR Headroom	46	58	69	82	94	118	140	170	B=6	O=2
	Weight	170	200	233	315	350	540	775	1341	C=12	
30	Model Number		30-30-6	30-30-8	30-30-10	30-30-12	30-30-16	30-30-20		A=1-3/4	F=9-3/4
	HR Headroom		60	70	83	95	120	145		B=6	O=2
	Weight		285	402	440	530	888	1390		C=12	
40	Model Number		30-40-6	30-40-8	30-40-10	30-40-12	30-40-16			A=2	F=13
	HR Headroom		65	77	89	102	127			B=7	O=2-3/4
	Weight		563	695	781	1058	1364			C=14	

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

TOP RIGGING OPTIONS

OPTION C
Chain top rigging from beam to crane hook.

OPTION W
Wire rope top rigging from beam to crane hook.

OPTION A
Adjust-A-Leg® sling top rigging for off-center load adjustment (not included in QUICKSHIP Program).

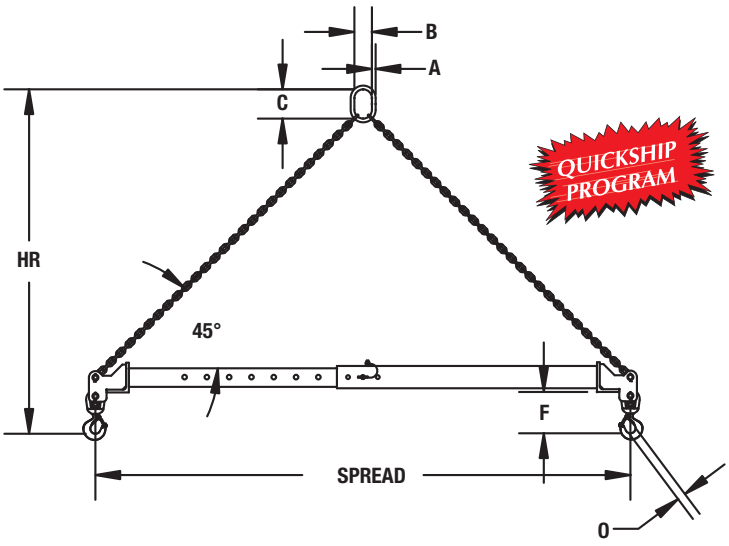
Model 32 - Adjustable Spreader Beams

Shown with Option C

Specify Top Rigging

PRODUCT FEATURES:

- Ideal where headroom is not limited.
- Adds stability to lift.
- Telescopic spread standard.
- Spread adjusts in 1" increments.
- 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.



QUICKSHIP PROGRAM

SPECIFICATIONS

Capacity (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	95	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

TOP RIGGING OPTIONS

OPTION C
Chain top rigging from beam to crane hook.

OPTION W
Wire rope top rigging from beam to crane hook.

Model 32 - Adjustable Spreader Beams

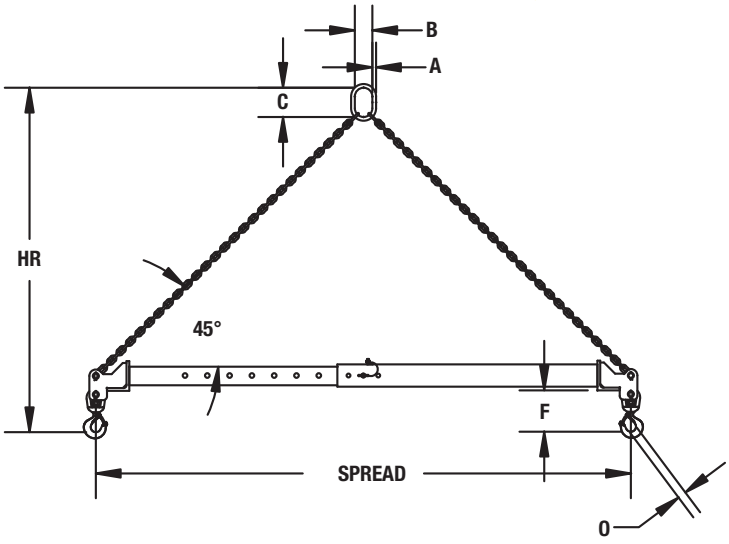
Shown with Option C

Specify Top Rigging

PRODUCT FEATURES:

- Ideal where headroom is not limited.
- Adds stability to lift.
- Choose from a wide range of sizes and capacities.
- Telescoping adjustment at 12 inch increments.
- Select chain or wire rope top rigging.
- Custom designs available.
- Complies with ASME standards.

NEW SIZES



SPECIFICATIONS

Capacity (tons)	Model Number	Spread (ft) Min / Max	Headroom Min/Max (in.)	Beam & Hook Weight (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)
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

TOP RIGGING OPTIONS

OPTION C
Chain top rigging from beam to crane hook.

OPTION W
Wire rope top rigging from beam to crane hook.

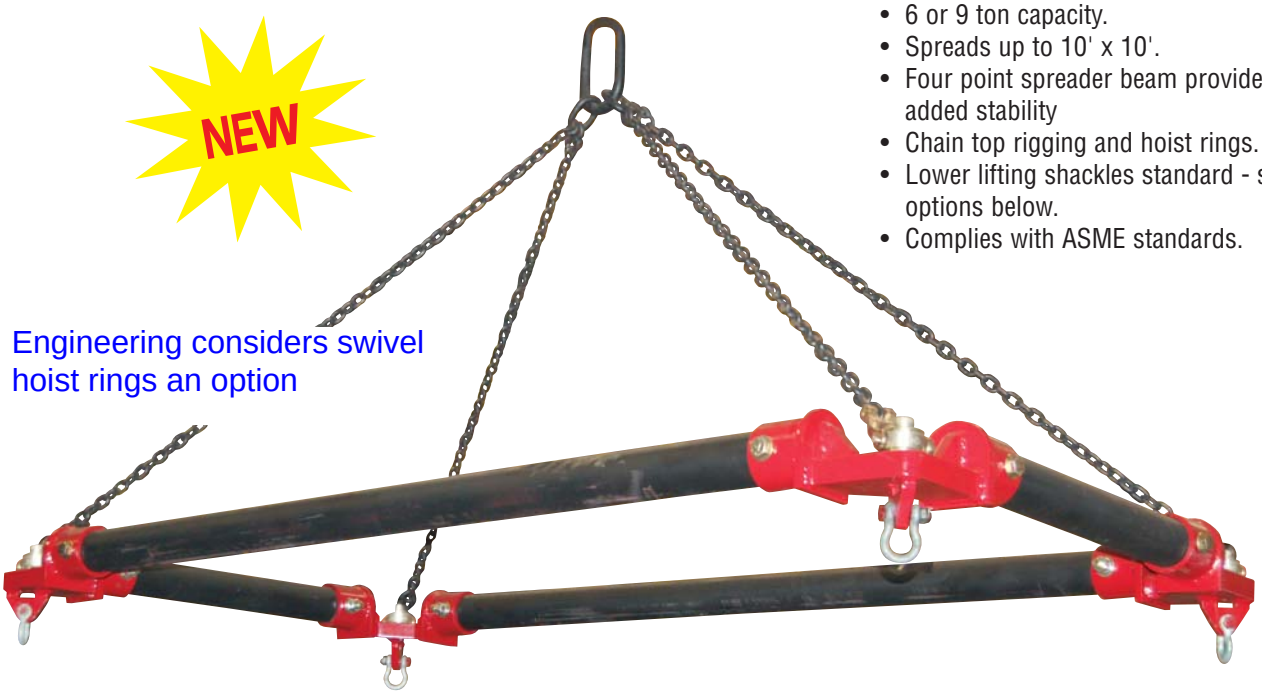
Model 34 - Four Point "End Fitting" Spreader Beam

PRODUCT FEATURES:

- New knock-down design is easily transported.
- 6 or 9 ton capacity.
- Spreads up to 10' x 10'.
- Four point spreader beam provides added stability
- Chain top rigging and hoist rings.
- Lower lifting shackles standard - see other options below.
- Complies with ASME standards.

NEW

Engineering considers swivel hoist rings an option



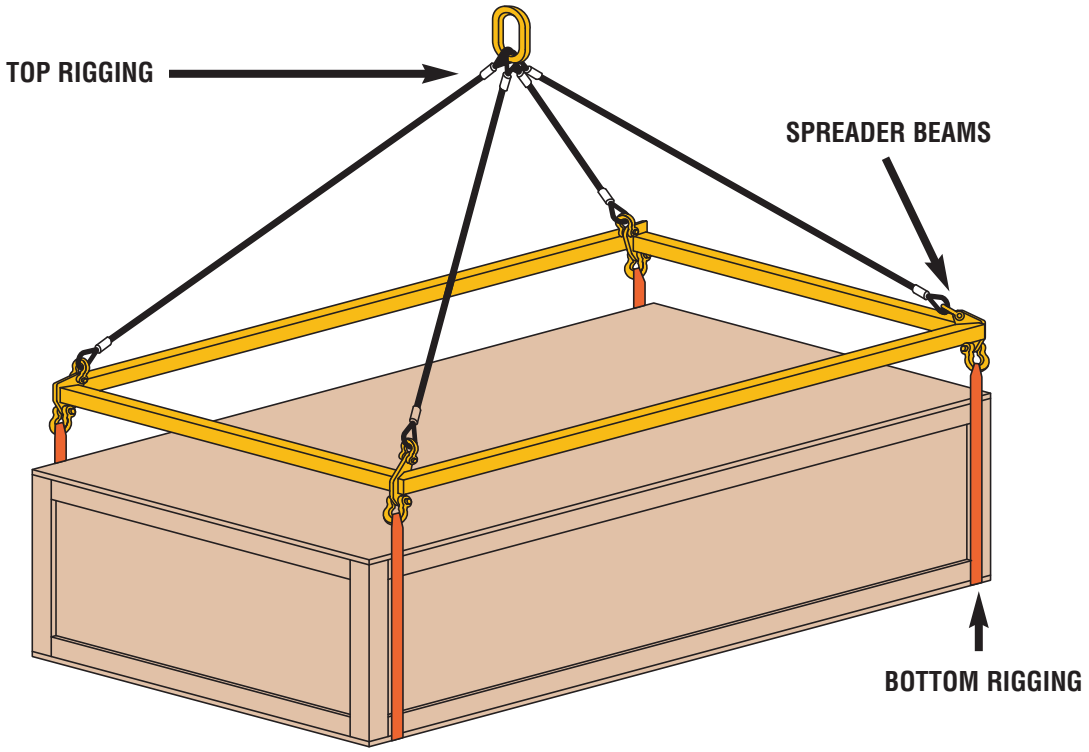
BOTTOM RIGGING OPTIONS:

A. Lower lifting hooks - specify fixed or swivel.
B. Synthetic load slings.
C. Chain load slings.
D. Wire rope load slings.

QUICKSHIP PROGRAM

Model 38 - Special Spreader Systems

This series of special spreader systems can be designed to lift loads of almost any size, or weight. Certain adjustability characteristics allow for a wide range of usage as well as handling unbalanced loads where the center of gravity is substantially off center.



TOP RIGGING OPTIONS:

A. Fixed length 4-leg wire rope or chain sling.
B. 4 point Adjust-A-Leg® load leveling sling for unbalanced loads.

SPREADER BEAM OPTIONS:

C. Fixed length/width spreader design in rigid or bolt together style. Specify style required.
D. Telescopic length/width spreader design to handle loads of varying sizes. Specify min./max. lengths required for spreader length and/or width.

BOTTOM RIGGING OPTIONS:

The type of bottom rigging required is dependent on the location of the load pick points in relation to its center of gravity. Some common applications require:

E. Top or bottom container lifting lugs with wire rope slings.
F. Chain slings with hook attachments.
G. Nylon/polyester web slings.
H. Boat lifting belly slings for marine applications.
I. Vehicle lifting wheel nets.

Spreader Beams - 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: _____

Dual crane hoist information

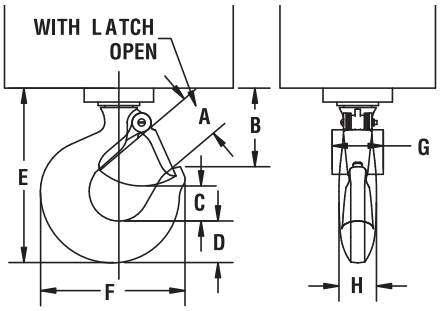
Distance between: _____

Same capacity? ❑ Yes ❑ No

If no, specify capacities: _____

_____

CRANE HOOK DATA:



INCHES

A _____+0
B _____+0
C _____+0
D _____-0
E _____-0
F _____+/-
G _____-0
H _____-0

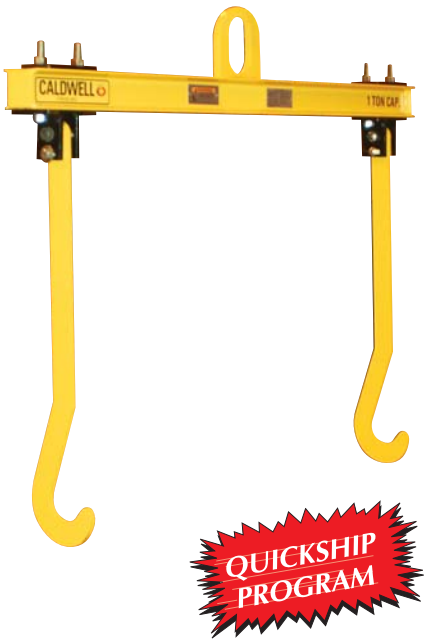
Measurement Tolerances

+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: _____

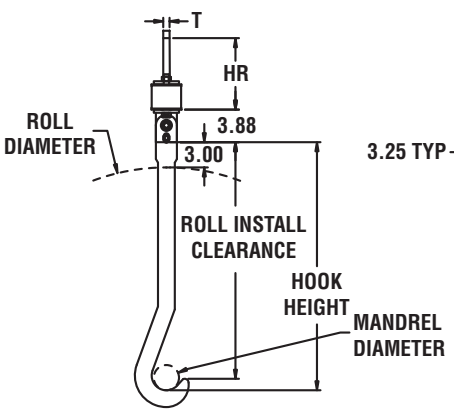
For a price quote on your specific application, please complete the above form and fax to The Caldwell Group at **815-229-5686** or you can complete this form online at www.caldwellinc.com/applications.

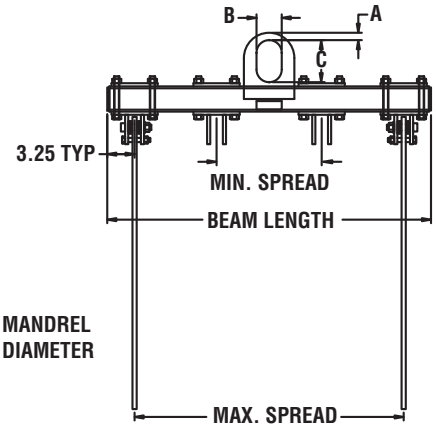
Model 23QS - QUICKSHIP Roll Lifting Beams



PRODUCT FEATURES:

- Standard beam sizes.
- J-Hooks are custom cut per order to fit your specific application.
- Hooks can be fixed or pivot style.
- J-Hooks are quickly and infinitely adjustable between minimum and maximum spread.
- Complies with ASME standards.





NOTE: Dimensions shown in inches.

SPECIFICATIONS

Capacity (tons)	Model Number / HR Headroom (in.) / Min. Spread (in.)	Max. Spread (ft.) 3	4	6	8	10	12	Hook Thickness (in.)	Bail (in.) A	B	C	T
1/2	Model Number	23QS-1/2-3	23QS-1/2-4	23QS-1/2-6	23QS-1/2-8	23QS-1/2-10	23QS-1/2-12	1/2	7/8	3	5	3/4
	HR Headroom	8 1/2	8 1/2	8 1/2	8 1/2	9 1/2	9 1/2					
	Min. Spread	12	12	12	24	24	24					
1	Model Number	23QS-1-3	23QS-1-4	23QS-1-6	23QS-1-8	23QS-1-10	23QS-1-12	1/2	7/8	3	5	3/4
	HR Headroom	8 1/2	8 1/2	9 1/2	9 1/2	10 1/2	10 1/2					
	Min. Spread	12	12	12	24	24	24					
2	Model Number	23QS-2-3	23QS-2-4	23QS-2-6	23QS-2-8	23QS-2-10	23QS-2-12	1/2	7/8	3	5	3/4
	HR Headroom	9 1/2	9 1/2	10 1/2	11 1/2	12 1/2	12 1/2					
	Min. Spread	12	12	12	24	24	24					
3	Model Number	23QS-3-3	23QS-3-4	23QS-3-6	23QS-3-8	23QS-3-10	23QS-3-12	3/4	1 1/2	3	5	1
	HR Headroom	10 1/2	10 1/2	11 1/2	12 1/2	13 1/2	13 1/2					
	Min. Spread	12	12	24	24	24	24					
5	Model Number	23QS-5-3	23QS-5-4	23QS-5-6	23QS-5-8	23QS-5-10	23QS-5-12	1	2	4	7	1 1/4
	HR Headroom	13 1/2	14 1/2	15 1/2	17 1/2	17 1/2	19 1/2					
	Min. Spread	24	24	24	24	24	24					

Operation

Photo courtesy of J.B Kenehan Printing Services, Waukesha, WI

Model 23 - Roll Lifting Beams

Used to lift rolls with plate style or bent bar J-Hooks. Hooks are designed to support the core mandrel which is through the I.D. of the roll. Fixed beam lengths can be used for single roll widths. Maximum roll diameters will determine length of J-Hooks.

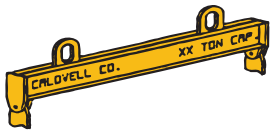
PRODUCT FEATURES:

- Ideal where headroom is limited.
- Easy lifting and positioning of rolls.
- Adjustable spread options.
- Twin hoist capability.
- Motorized rotation available.
- Complies with ASME standards.

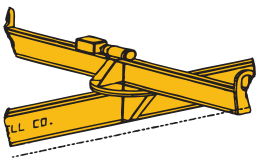
Options Available

OPTION A
ADJUSTABLE SPREADS
Used when handling rolls of varying widths.

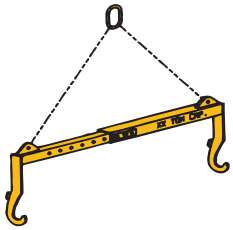
OPTION B
HOOK LININGS
a. Bronze/Brass
b. Urethane
c. Brake Lining
(Min. Shaft Dia.= 6")



OPTION C
TWIN BAILS
Used when two hoists are required to stabilize a lift, when load rotation is not desirable.



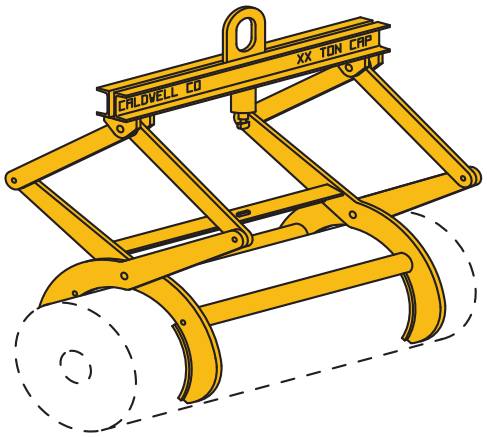
OPTION D
MOTORIZED ROTATION
Allows remote positioning of a load. For additional information, see Model 21 on page A.20.



OPTION E
SPREADER BEAM
Offers greater stability when required headroom is not a consideration.

Paper Roll Lifters/Positioners

Model 74P - Roll Gripping Tongs



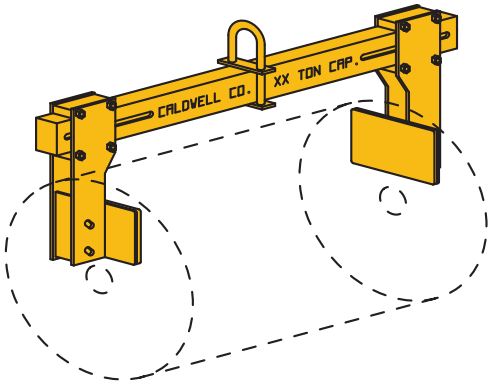
Used to grip the O.D. of a roll. The diameter range can vary up to 25%. A double leg design will provide additional roll stability; however, single leg models are available for narrower rolls. Recommend double leg for rolls wider than 48".

Features: Automatic latching mechanism for single-person operation. Tong saddles with protective covering to prevent roll damage are available.

Capacities: Double leg to 4 ton.
Single leg to 2 1/2 ton.

ROLL LIFTERS

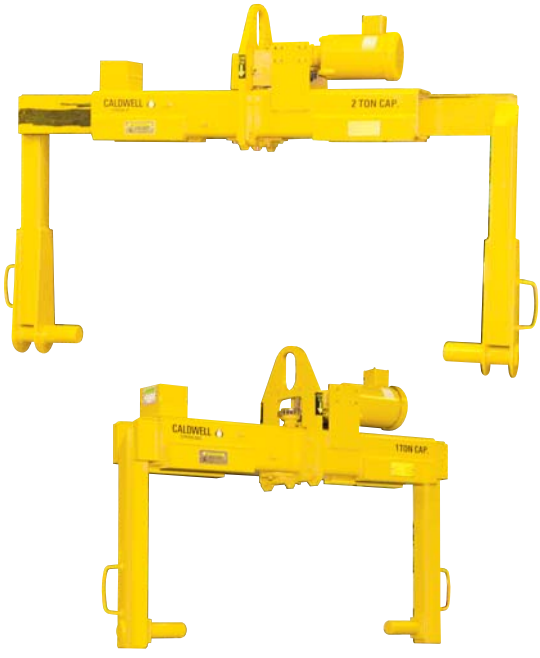
Model 75P - Roll Grabs



Used for side lifting of rolls by gripping on the ends. A wide range of roll lengths or widths can be accommodated. Standard motorization allows for fast and easy adjustment to handle various load sizes. Manual units are available as an option.

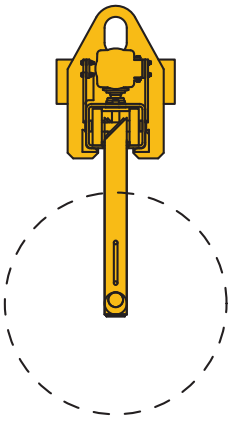
Capacities: To 5 ton.

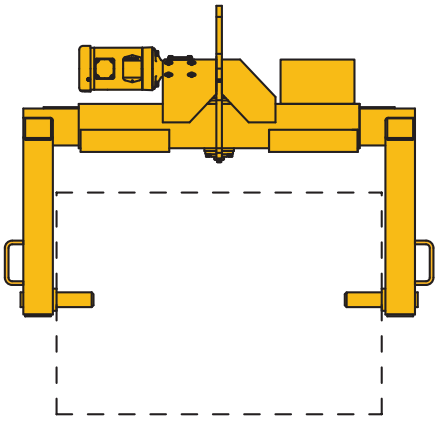
Model 85P - Motorized Roll Lifters



Used to lift rolls by positioning lifting pins in the I.D. of the roll. Arms move in and out to clear and lift roll. This model will handle a variety of widths with minimal aisle clearance requirements. Motorization is recommended; however, chainwheel operation is available.

Capacities: To 10 ton.



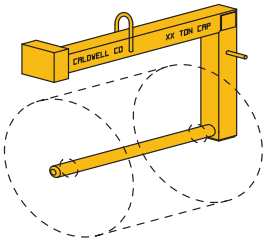


Paper Roll Lifters/Positioners

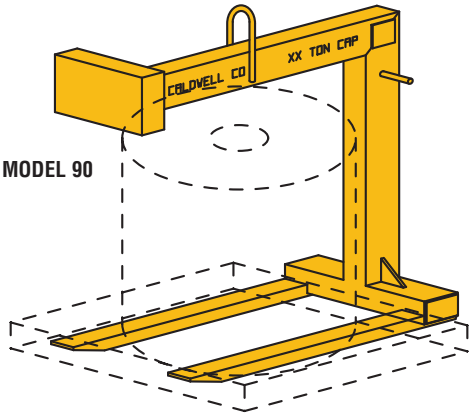
Model 81P - Roll Lifting C-Hooks

This Caldwell Model 81P Roll Lifter is designed to handle rolls by inserting a round arm into the roll I.D. This unit is counter balanced to hang level when empty for ease of insertion into the roll core. Guide handle is standard. Lifter parking stand can be furnished if required.

Capacities: To 5 ton.



Model 90P or 90 - Pallet or O.D. Lifters



MODEL 90

MODEL 90P

Model 90 - Pallet Lifters

The Caldwell Model 90 Pallet Lifter allows your overhead crane to be converted into an overhead lift truck. Available with fixed or adjustable forks.

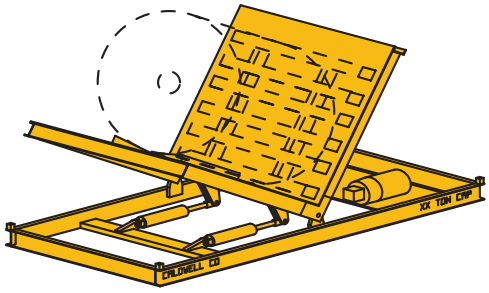
Capacities: To 10 ton.

Model 90P - Roll Lifters

The Caldwell Model 90P Pallet Type Roll Lifter lifts and transports a roll by supporting it underneath its diameter, leaving the core open.

Capacities: To 10 ton.

Model 88 - Roll Positioners



This Caldwell Low Platform Roll Upender/Downender allows rolls to be repositioned by 90° rotation. The low platform is desirable in those applications where headroom is restricted. Hydraulic controls are standard.

Capacities: To 7½ ton.

The heavy duty Model 88 Roll Positioner is available with a mechanical drive. This model requires additional platform height.

Capacities: To 30 ton.

Paper Roll Lifters - Application Evaluation

Please specify the desired model number: _____

ROLL INFORMATION:

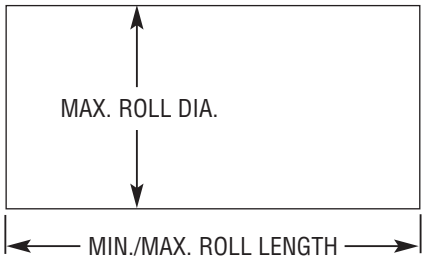
Minimum: Length _____ Diameter _____ Weight _____

Maximum: Length _____ Diameter _____ Weight _____

SHAFT / I.D. INFORMATION:

Minimum: Length _____ Diameter _____

Maximum: Length _____ Diameter _____

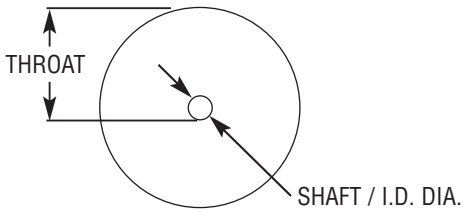


Any clearance requirements: i.e., headroom, machinery obstructions, etc.

_____

_____

_____



J-HOOK INFORMATION (FOR MODEL 23'S)

Is shaft turning when roll is lifted: ❑ Yes ❑ No

Hook style: ❑ Pivoting ❑ Fixed

POWER REQUIREMENTS (FOR MOTORIZED UNITS)

❑ DC ❑ AC Voltage _____ Phase _____ Cycle _____

Additional application information or option requirements:

_____

_____

_____

_____

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.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

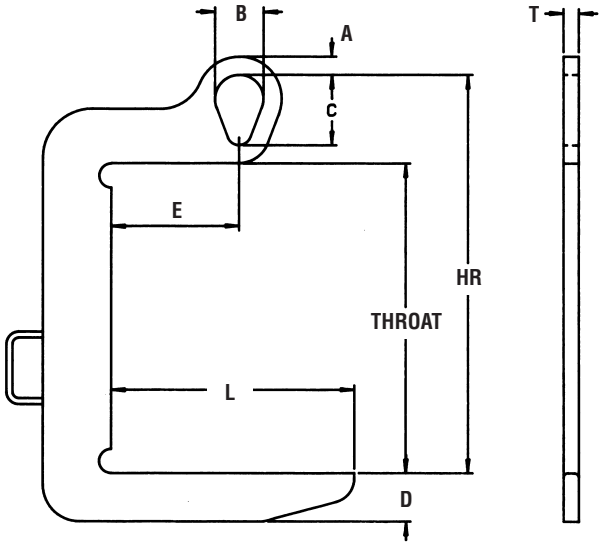
Model 82NC - Narrow Coil C-Hook

*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.

QUICKSHIP PROGRAM



NOTE: E = (L ÷ 2) + 1/2" inch.

WARNING

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

SPECIFICATIONS

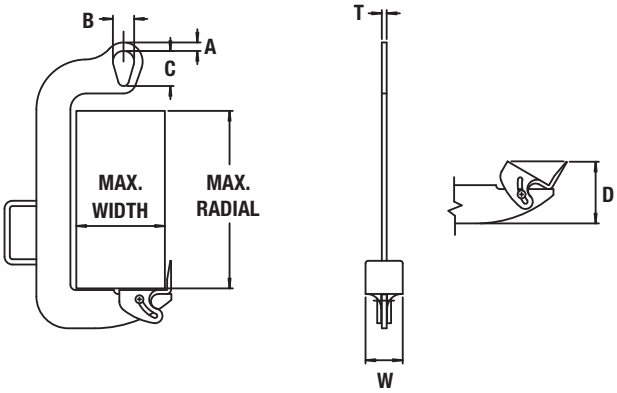
Model Number	Capacity (tons)	Dimensions (inches)									Weight (lbs.)
		Coil Width Max.	Throat	Lifting Arm Plate Length L	Lifting Arm Plate Depth D	HR Headroom	Bail Dimensions A	Bail Dimensions B	Bail Dimensions C	Bail Dimensions T	
82NC-1/2-8	1/2	8	14-1/2	8	2-1/4	18-1/2	13/16	2	3-1/4	1/2	14
82NC-1/2-12		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		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		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		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		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

IN-STOCK PROGRAM

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.



SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)									Weight (lbs.)
		Max. Width	Max. Radial	Min. I.D.	A	B	C	D	T	W	
80H-1/2-6/13	1/2	6	13	9	13/16	2	3-5/16	6	1/2	3-1/2	20
80H-1/2-12/13	1/2	12	13	13	13/16	2	3-5/16	6	1/2	3-1/2	28
80H-1-8/16	1	8	16	10	13/16	2	3-5/16	6	1/2	3-1/2	23
80H-2-10/18	2	10	18	12-1/2	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	1-3/16	3-5/8	5-5/16	7-3/4	1	2-1/2	80

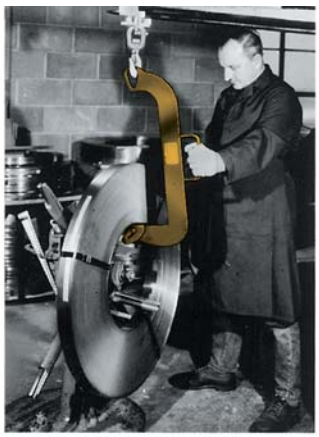
Other sizes available, consult factory.

EASY HORIZONTAL TO VERTICAL MOVEMENT. DO NOT USE FOR VERTICAL TO HORIZONTAL MOVEMENT.

Placing spacer blocks between stacked coils permits easy insertion of the wedge. Lightweight and pivoting wedge makes it easy to position the hook.

With the hook in place, the wedge pivots as the lift is started, and the coil begins to turn to a vertical position for transporting.

Coil is in vertical position after being lifted from its pallet. The weight of the coil holds the pivoting wedge in the vertical position during transportation.



Coil being loaded on a stock reel. Hook is easily removed from the coil after releasing the hoist.

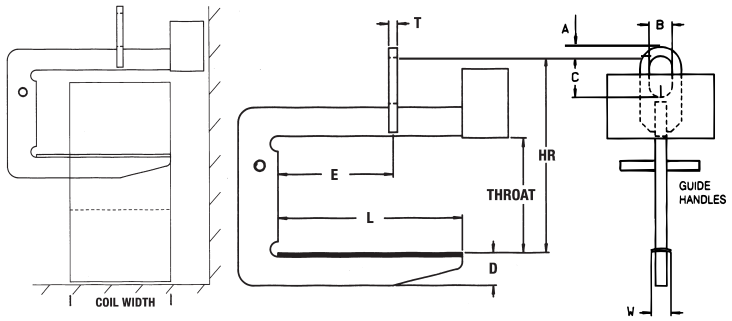
Model 82 - Heavy Duty C-Hook

PRODUCT FEATURES:

- Designed for heavy duty applications.
- High tensile alloy steel plate reduces physical size and weight.
- Counter balanced 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.

WARNING

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



QUICKSHIP PROGRAM

NOTE: E = Maximum coil width ÷ 2

SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)												Weight (lbs.)
		Coil Width		Length	Lifting Arm				Bail Dimensions					
					Depth	Width	HR	Headroom	Opening		Thk.			
		Max.	Min.	Throat	L	D	W		A	B	C	T		
82-5-36	5	36	24	24	30	5-5/16	4	37-3/8	1-1/2	4	7	1-1/4		420
82-5-48		48	30	24	39	6-1/8	4	38	1-1/2	4	7	1-1/4		584
82-5-60		60	36	24	48	6-9/16	4	38-1/2	1-1/2	4	7	1-1/4		680
82-7 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		615
82-7 1/2-48		48	30	24	39	6-5/16	4	38-1/4	1-1/2	4	7	1-1/2		774
82-7 1/2-60		60	36	24	48	6-15/16	4	39	1-1/2	4	7	1-1/2		942
82-10-48	10	48	30	24	39	7-1/4	4	41-1/4	2	5	9	1-3/4		928
82-10-60		60	36	24	48	7-1/2	4	41-3/8	2	5	9	1-3/4		1295
82-10-72		72	42	24	57	7-1/4	4	42-1/2	2	5	9	1-3/4		1616
82-15-48	15	48	30	30	39	7-1/4	4	47-7/8	2	5	9	1-3/4		1450
82-15-60		60	36	30	48	8	4	48	2	5	9	1-3/4		1824
82-15-72		72	42	30	57	8-3/4	4	48-3/4	2	5	9	1-3/4		2227
82-20-60	20	60	36	30	48	9-1/8	4	52-1/8	2-1/4	6	12	2		2175
82-20-72		72	42	30	57	10	4	52-5/16	2-1/4	6	12	2		2625
82-25-60	25	60	36	34	48	9	4	57-3/4	2-1/2	6	14	2-1/4		2820
82-25-72		72	42	34	57	9-3/4	4	58-1/2	2-1/2	6	14	2-1/4		3570
82-30-60	30	60	36	34	48	9-7/8	4	58-3/4	2-3/4	6	14	2-1/2		3180
82-30-72		72	42	34	57	10-5/8	4	59-3/8	2-3/4	6	14	2-1/2		3800
82-40-72	40	72	42	38	57	11	5	68	3-1/4	7	18	3		5350
82-50-84	50	84	48	40	64-1/2	13	6	71-7/8	3-3/4	7	18	3		7470

Other sizes available, consult factory.

Model 82RC - Close Stacking C-Hook

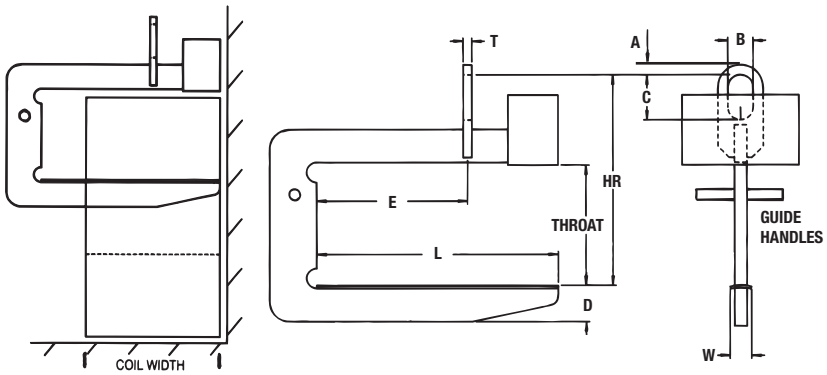
PRODUCT FEATURES:

- 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.
- Counter balanced 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.

WARNING

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

QUICKSHIP PROGRAM



NOTE: E = Maximum coil width ÷ 2

SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil Width		Throat	Lifting Arm			HR	Bail Dimensions				
					Length	Depth	Width		Opening			Thk.	
		Max.	Min.		L	D	W	Headroom	A	B	C	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	38-15/16	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

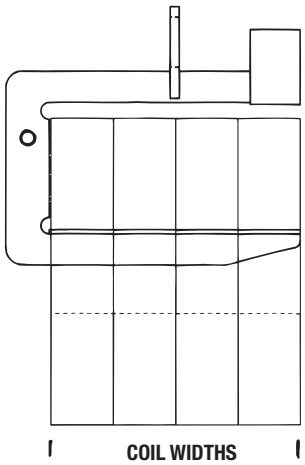
PRODUCT FEATURES:

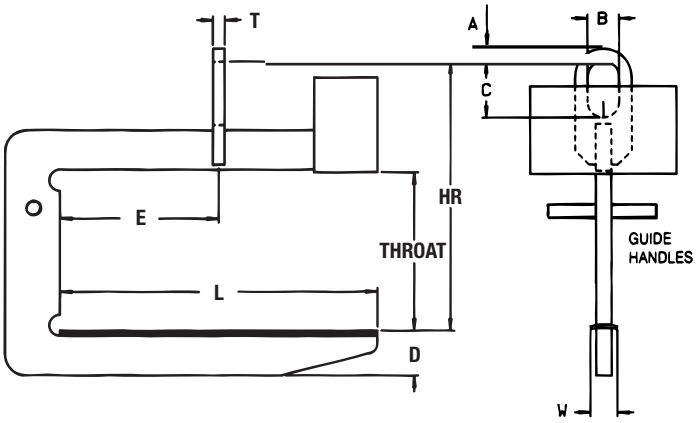
- Designed for heavy duty applications.
- Handles multiple slit coils which maximizes handling efficiency.
- Recessed counterweight minimizes interference with equipment or other obstacles.
- High tensile alloy steel plate reduces physical size and weight.
- Counter balanced to hang level when empty.
- 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.

QUICKSHIP PROGRAM

WARNING

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





NOTE: E = L ÷ 2

SPECIFICATIONS

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 A	Opening B	Opening C	Thk. T	
82LA-5-36	5	36	24	36	5-5/16	4	37-1/4	1-1/2	4	7	1-1/4	450
82LA-5-48		48	24	48	6-1/8	4	38	1-1/2	4	7	1-1/4	555
82LA-5-60		60	24	60	6-9/16	4	38-9/16	1-1/2	4	7	1-1/4	649
82LA-7 1/2-36	7-1/2	36	24	36	5-5/8	4	37-5/8	1-1/2	4	7	1-1/2	496
82LA-7 1/2-48		48	24	48	6-5/16	4	38-5/16	1-1/2	4	7	1-1/2	731
82LA-7 1/2-60		60	24	60	7-1/8	4	38-7/8	1-1/2	4	7	1-1/2	898
82LA-10-48	10	48	24	48	7-3/16	4	41-1/8	2	5	9	1-3/4	932
82LA-10-60		60	24	60	7-5/16	4	41-1/8	2	5	9	1-3/4	1281
82LA-10-72		72	24	72	7-1/4	4	41-1/8	2	5	9	1-3/4	1570
82LA-15-48	15	48	30	48	7-1/4	4	47-7/8	2	5	9	1-3/4	1510
82LA-15-60		60	30	60	8	4	48	2	5	9	1-3/4	1789
82LA-15-72		72	30	72	8-7/8	4	48-3/4	2	5	9	1-3/4	2120
82LA-20-60	20	60	30	60	9-1/8	4	52-1/8	2-3/4	6	12	2	2125
82LA-20-72		72	30	72	9-15/16	4	52-15/16	2-3/4	6	12	2	2485
82LA-25-60	25	60	34	60	9-1/8	4	57-3/4	3-1/4	6	14	2-1/2	2840
82LA-25-72		72	34	72	9-3/4	4	58-1/2	3-3/4	6	14	2-1/2	3350

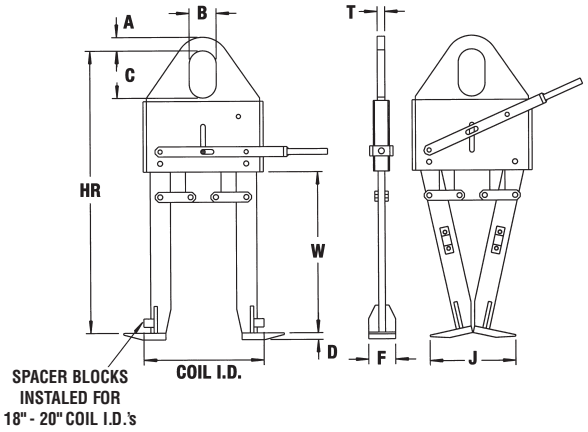
Other sizes available, consult factory.

Model 83 - Vertical "Eye" Coil Lifter

Spacer Blocks Installed for 16-18" coil I.D.'s. See Instruction Manual for details.

PRODUCT FEATURES:

- Efficient handling of vertically stacked coils.
- Leg positioning handle is easy to operate and has a positive locking feature.
- Handles any size coil I.D. from 16" to 20".
- Complies with ASME standards.



SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil I.D.		Coil Width	HR Headroom	Bail Dimensions				Foot Dimensions			
		Min.	Max.	W		A	B	C	T	F	D	J	
83-1/2-20	1/2	16	20	20	36	1-1/4	3	5	5/8	4	3/4	13	110
83-1 1/2-20	1-1/2	16	20	24	36	1-1/2	3	5	5/8	4	3/4	13	125
83-3-20	3	16	20	24	40	1-1/2	3	5	3/4	5	3/4	13-1/2	180
83-5-20	5	16	20	30	49	2	4	7	1	6	3/4	14-1/4	195

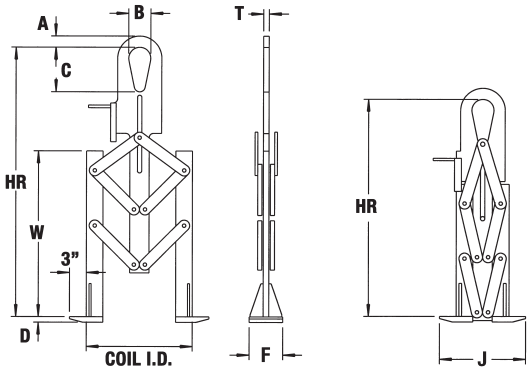
Other sizes available, consult factory.

Model 83EW - Extended Width Vertical "Eye" Coil Lifter

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 range than standard lifter.
- Unique design minimizes dunnage required between coils.
- Complies with ASME standards.

QUICKSHIP PROGRAM



SPECIFICATIONS

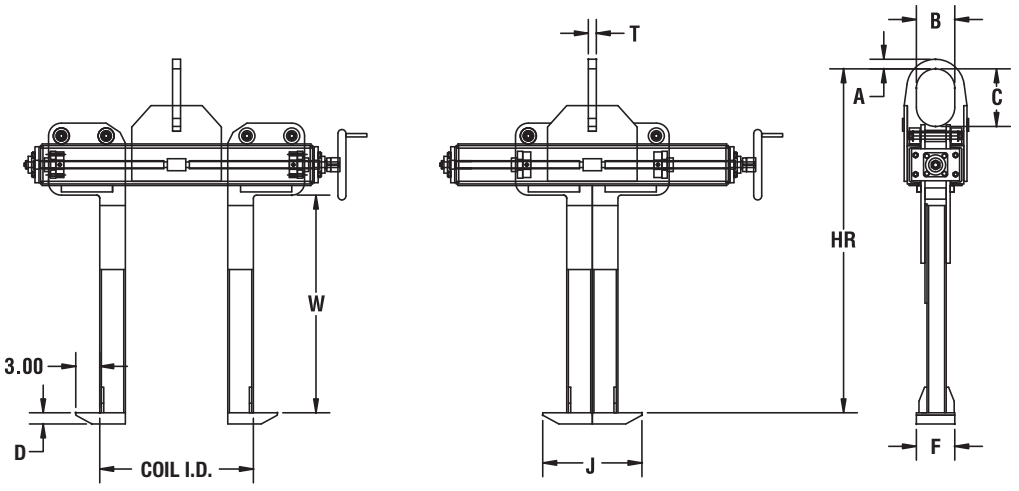
Model Number	Capacity (tons)	Dimensions (inches)												Weight. (lbs.)
		Coil I.D.		Coil Width	HR Headroom		Bail Dimensions				Foot Dimensions			
		Min.	Max.	W	Open	Closed	A	B	C	T	F	D	J	
83EW-1/2-24	1/2	16	24	20	36	30-7/8	1-1/4	3	5	5/8	5	1/2	14-1/2	90
83EW-2 1/2-24	2-1/2	16	24	24	44	37-1/2	1-1/2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

Model 83HW - Vertical "Eye" Coil Grab

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.



SPECIFICATIONS

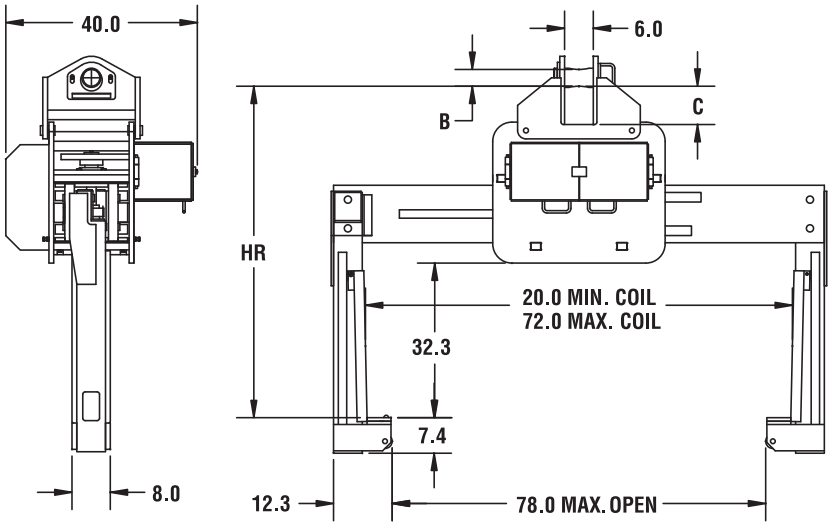
Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Coil I.D.		Coil Width	HR								
		Min.	Max.	W	Headroom	A	B	C	T	F	D	J	
83HW-2-1/2-24	2-1/2	16	24	20	36	1-1/2	3	5	3/4	5	3/4	15-1/2	250
83HW-5-24	5	16	24	24	41	2	4	7	1	6	1	15-1/2	350
83HW-7-1/2-24	7-1/2	16	24	24	42	2	4	7	1	6	1	15-1/2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

Model 85 - Fixed Bail Telescoping Coil Grab

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.



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

NOTE: Dimensions shown in inches.

SPECIFICATIONS

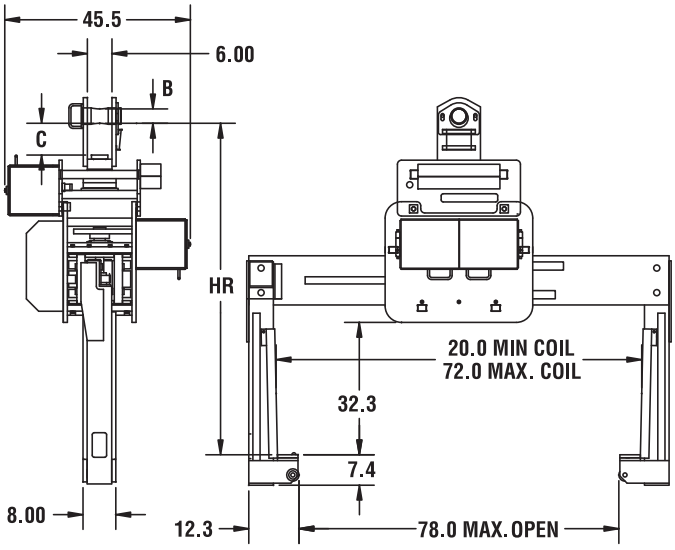
Model Number	Capacity (tons)	Dimensions (inches)						Weight (lbs.)
		Coil Width		HR		Pin/Bail		
		Min.	Max.	Headroom	Throat	B	C	
85-15-72	15	20	72	67-1/2	32.3	3	8-1/4	3440
85-20-72	20	20	72	67-1/2	32.3	3	8-1/4	3540
85-25-72	25	20	72	69-1/4	32.3	3-1/2	8	3780
85-33-72	33	20	72	69-1/4	32.3	3-1/2	8	3880

Other sizes available, consult factory.

Model 85R - Rotating Bail Telescoping Coil Grab

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.



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

NOTE: Dimensions shown in inches.

SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)						Weight (lbs.)
		Coil Width		HR		Pin/Bail		
		Min.	Max.	Headroom	Throat	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.

Coil Lifters Features And Options

Standard
Enclosed Drive
Protects drive from impact yet still provides easy access for maintenance.

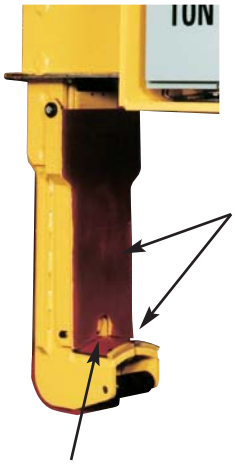
Standard
Alloy Steel
Lifting Pin
Keeps headroom to a minimum.

Optional
Motorized Bail Rotation
Allows for independent and precise positioning of the load or the lifter.

Standard
Lockout Limit
Switch
Prevents inadvertent leg opening during lift.

Standard
Anti Clamp & Toe Rollers
Protects sides of coil from lifter damage.

Optional
Lift Beam
Preform other lifts without the need to remove the grab from the crane hook.



Optional
Urethane Padding
Urethane coil edge protection attached to legs, feet, or both.

Optional
Built In Load Scale
With digital readouts for precise coil weight.

Optional
Indicator Lights
Visual indicator for various functions.

Optional
I.D. Photo-Electric Sensor
Photo-electric sensor indicates lifter foot alignment with coil I.D.

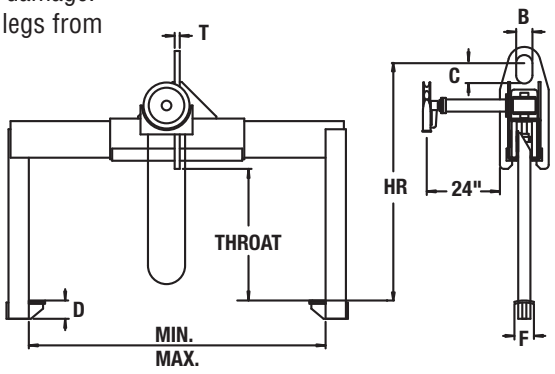
Optional
Parking & Maintenance Stands
Provides storage for lifter when not in use and easy access for normal inspection & maintenance. See page A.41.

Optional
Severe Duty Drive Package
For high cycle operations.

Model 84 - Telescoping Coil Lifter

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.
- Available with hand wheel leg drive option.
- Available with motorized leg drive option.
- Complies with ASME standards.



SPECIFICATIONS

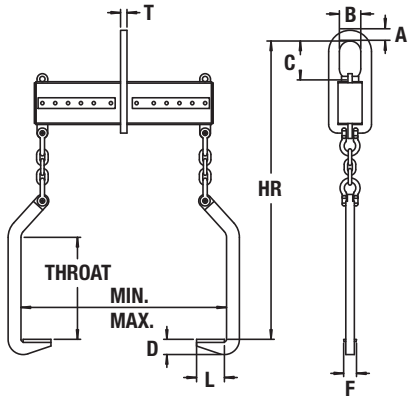
Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Coil Width		Throat	HR Headroom	Bail				Foot		
		Min.	Max.			A	B	C	T	D	F	
84-5-48	5	16	48	28	52	2	4	7	1	4-1/2	4	485
84-5-60		20	60	26	50	2	4	7	1			590
84-10-48	10	16	48	32	63	2	4	7	1-1/4	5-1/2	4	725
84-10-60		20	60	30	61	2	4	7	1-1/4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

Other sizes available, consult factory.

Model 86 - Double Leg Coil Lifter

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.

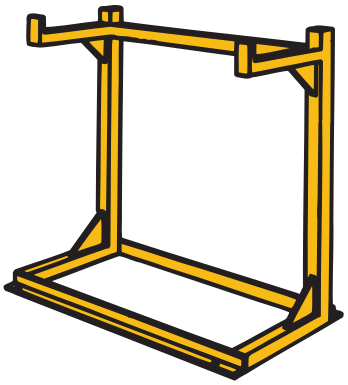


SPECIFICATIONS

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

Other sizes available, consult factory.

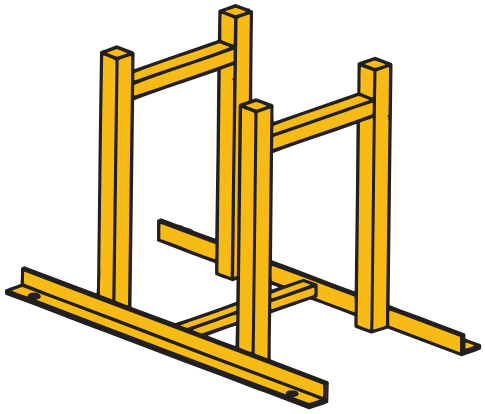
Parking Stands for Coil Hooks



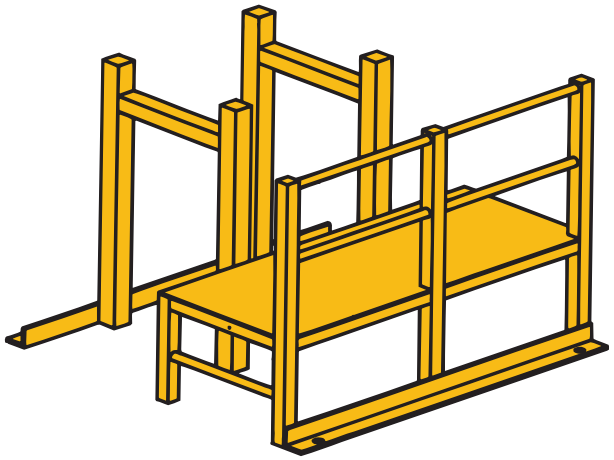
PRODUCT FEATURES:

- Individually designed for your lifter's size and capacity.
- Heavy duty tubular construction.
- Minimizes lifter storage space requirements.
- Stabilizes lifter for personnel safety.
- Allows for easy access to lifter.
- Allows for easy inspection of lifter.
- Minimizes time required to engage lifter with crane hook.

Model PS-CH - Used to store all C-Hook type lifters (Models: 82, 82LA, 82RC).



Model PS-TS - For storage of two sided coil lifters (Models: 84, 86, 85).



Model PS-M-TS - For storage and maintenance of two sided lifters. Personnel platforms provide ease of access to drive system for maintenance and inspection of motorized units.

Model 88 - Heavy Duty Coil Upender

Shown with V-Block Option

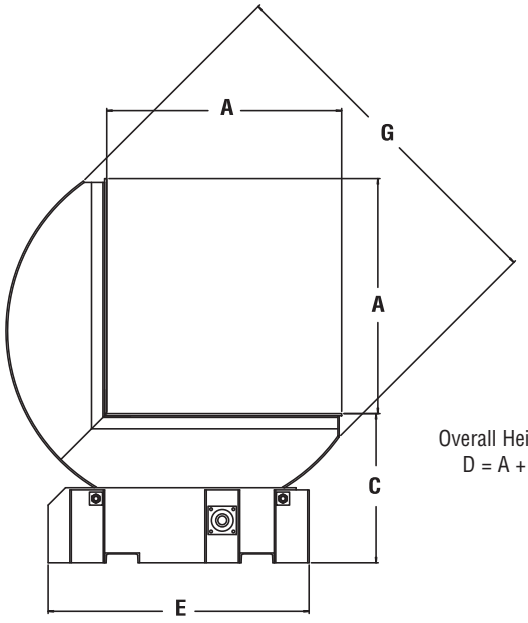
PRODUCT FEATURES:

- 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.

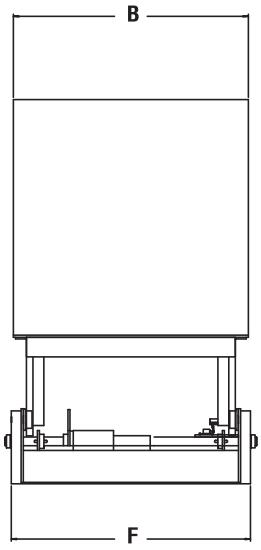
PRODUCT OPTIONS:

- 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

NOTE: Additional data may be required to properly size the drive system. Load information including dimensions and center of gravity should be provided.



Overall Height:
D = A + C

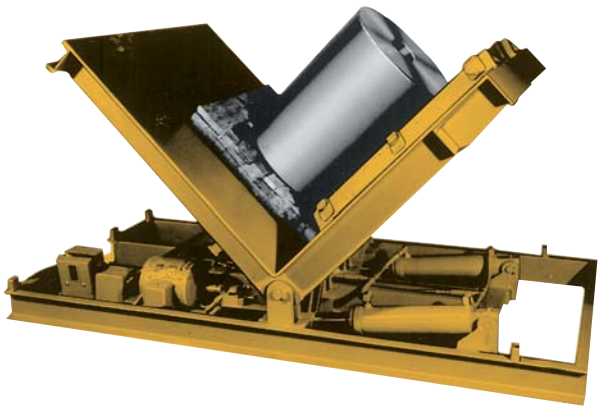


SPECIFICATIONS

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 88L - Low Platform Coil Upender



Shown with V-Block Option

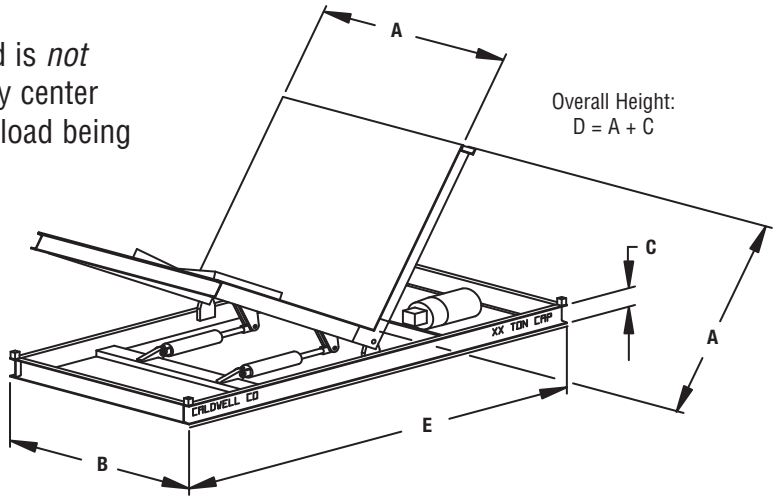
PRODUCT FEATURES:

- Lower platform design offers easier access by operator.
- Fast and convenient way to upend coils to 90°.
- Requires less platform height.
- Magnetic starter with 115 volt pendant control.
- Double acting hydraulic cylinders.
- Relief valve prevents over-capacity rotation.
- Stop limit switches at each end of rotation.

PRODUCT OPTIONS:

- Larger platforms available.
- Unequal platform sizes available.
- V-Block, either standard or urethane faced.
- 90° horizontal rotation, which permits loading and unloading from same side.

NOTE: If load is *not* a coil, specify center of gravity of load being rotated.



SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)					Weight (lbs.)
		A	B	C	Overall Height D	E	
88L-1/2-36	1/2	36	36	8-1/4	44-1/4	78	1500
88L-1-36	1	36	36	9-1/4	45-1/4	78	1600
88L-1 1/2-36	1-1/2	36	36	10-1/4	46-1/4	78	1800
88L-2-36	2	36	36	12-1/4	48-1/4	78	2000
88L-2 1/2-42	2-1/2	42	42	13-1/4	55-1/4	90	2200
88L-3-42	3	42	42	14-1/4	56-1/4	90	2300
88L-3 1/2-42	3-1/2	42	42	15-1/4	57-1/4	90	2400
88L-4-42	4	42	42	17-3/8	59-3/8	90	2600
88L-4 1/2-48	4-1/2	48	48	18-3/8	66-3/8	102	2800
88L-5-48	5	48	48	19-3/8	67-3/8	102	3000
88L-6-48	6	48	48	20-3/8	68-3/8	102	3600
88L-7 1/2-48	7-1/2	48	48	20-3/8	68-3/8	102	5000

Pallets must not extend over platform sides. Other sizes available, consult factory.

Coil Handling - 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 _____

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

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

❑ Other, describe: _____

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

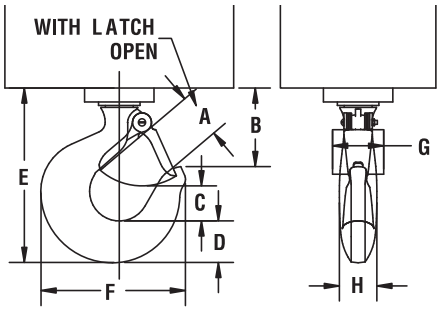
CMAA Crane Duty Class (A, B, C, D, E, F): _____

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:



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.

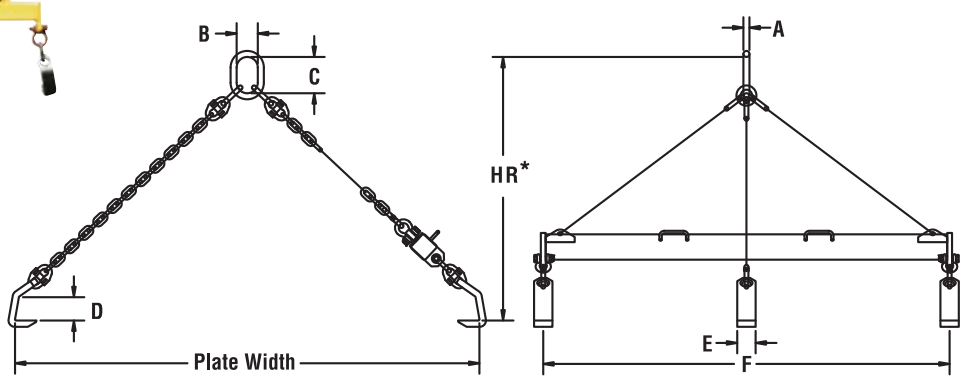
Model PL - Plate Lifters

The Strong-Bac® Plate Lifter provides a quick and easy solution for handling thick plates, one at a time. Simply position the Plate Lifter over your load, check to see that the hooks are engaged and lift.

QUICKSHIP PROGRAM

PRODUCT FEATURES:

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



SPECIFICATIONS

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.

Operation

Model 60 - Heavy Duty Sheet Lifters

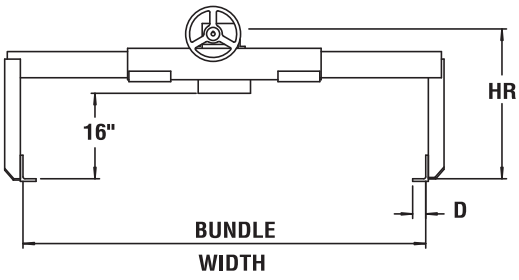
PRODUCT FEATURES:

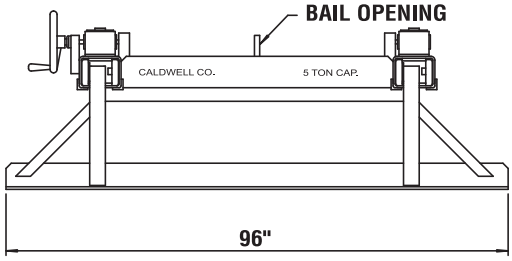
- Versatile handling of bundles, sheets, plates and other materials stacked horizontally.
- Low headroom design for optimum lifting capabilities.
- One person operation minimizes handling cost.
- Self-locking worm gear drive for leg adjustment is standard.
- Easy adjustment for different sheet widths.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

PRODUCT OPTIONS:

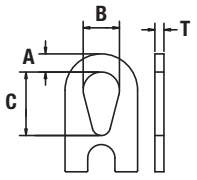
- Hand wheel lockout.
- Motorized leg adjustment.
- Chain-wheel leg adjustment.
- Extended length hand wheel leg adjustment.
- End chains with plate hooks (recommended for all widths 72" and greater).
- Extended grab shoe lengths available.
- Additional bundle clearance available (longer legs).

QUICKSHIP PROGRAM





Bail Opening



WARNING

Do not lift loosely bundled, thin or oily sheets.

SPECIFICATIONS

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

Other sizes available, consult factory.

Model 60M - Motorized Heavy Duty Sheet Lifters

PRODUCT FEATURES:

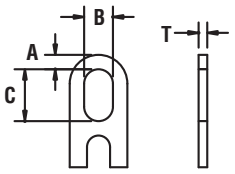
- Versatile handling of bundles, sheets, plates and other materials stacked horizontally.
- Low headroom design for optimum lifting capabilities.
- One person operation minimizes handling cost.
- Self-locking worm gear drive for leg adjustment is standard.
- Easy adjustment for different sheet widths.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

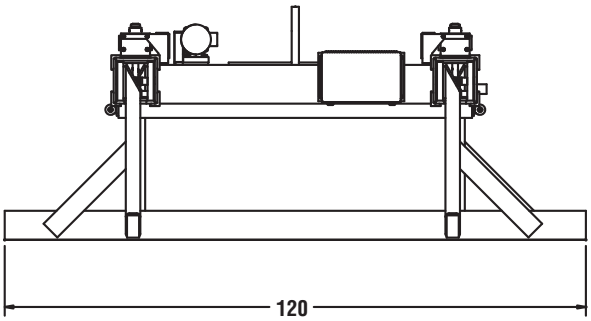
Special 10 ton unit with extended bundle height.

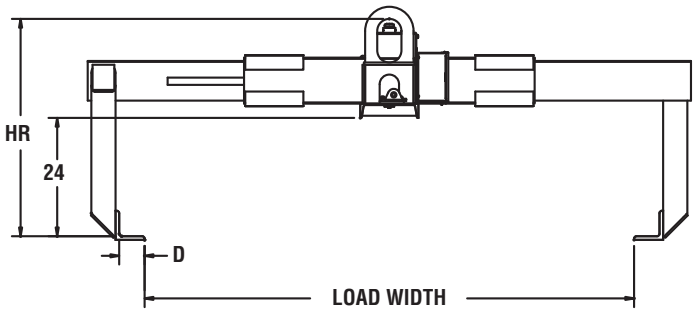
PRODUCT OPTIONS:

- 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.

Bail Opening







SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)									Weight (lbs.)
		Load Width		HR	Shoe	Min.	Bail Opening				
		Min.	Max.	Headroom	D	Aisle	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.

WARNING

Do not lift loosely bundled, thin or oily sheets.

Model 60H - Hydraulic Sheet Lifter

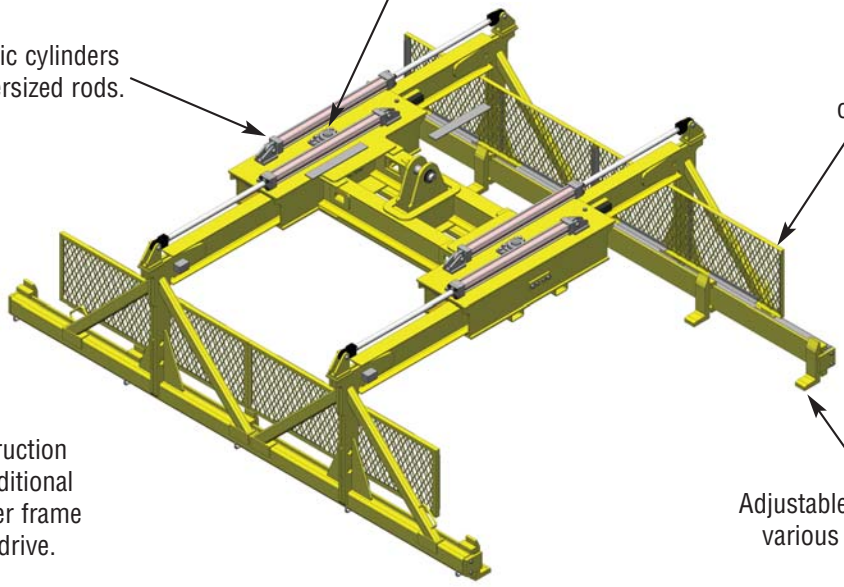
PRODUCT FEATURES:

- 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.

NEW

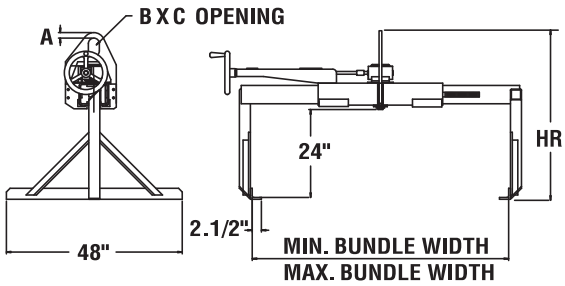


NOTE: To request a price quotation on your specific application, please fill in the Sheet Lifter Application Evaluation on page A.56 or online at www.caldwellinc.com/applications.

Model 62 - Small Bundle Sheet Lifter

PRODUCT FEATURES:

- Standard light duty unit for handling smaller size sheets and bundles.
- Size and versatility allows for handling of crates, bins and other smaller size containers.
- Side oriented extended length hand wheel adjustment standard.
- Self locking worm gear leg drive system.
- Complies with ASME standards.



SPECIFICATIONS

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	8	42	512
62-1 1/2-48	1-1/2	16	48						525
62-3-48	3	16	48	8	1-1/2	5	8	44	670
62-3-60	3	20	60						736
62-5-48	5	16	48	8	2	7	8	52	750
62-5-60	5	20	60						763

WARNING

Do not lift loosely bundled, thin or oily sheets.

SHEET LIFTERS

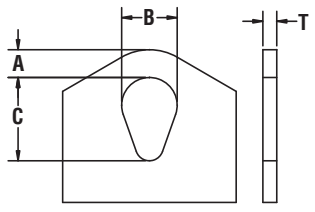
Model 64 - Standard Duty Sheet Lifter

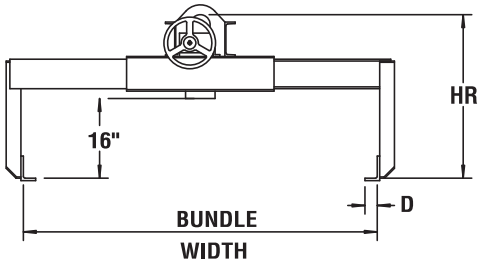
PRODUCT FEATURES:

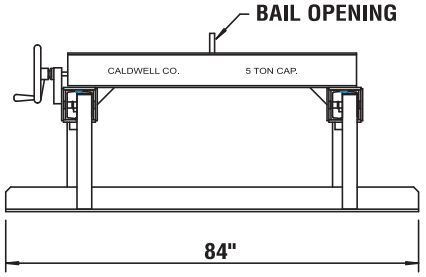
- Lightweight.
- Channel steel construction.
- 84” grab shoe length.
- Complies with ASME standards.

QUICKSHIP PROGRAM

BAIL OPENING







SPECIFICATIONS

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.

WARNING

Do not lift loosely bundled, thin or oily sheets.

Sheet Lifter - Application Evaluation

BUNDLE INFORMATION:

Bundle Dimensions:

Minimum: Length _____ Width _____ Height _____ Weight _____

Maximum: Length _____ Width _____ Height _____ Weight _____

Specify material being lifted: _____

Individual Sheet Thickness: Minimum _____ Maximum _____

Is the bundle palletized? ❑ Yes ❑ No If yes, specify pallet size: _____

Sheet Condition: ❑ Dry ❑ Oily ❑ Banded ❑ Loose

ADDITIONAL INFORMATION:

Please provide the model and/or serial number if this is to replace an existing Caldwell lifter: _____

_____

Operation Required ❑ Motorized ❑ Manual ❑ Hydraulic

If motorized, please specify ❑ DC ❑ AC Voltage _____ Phase _____ Cycle _____

Pendant Required ❑ Yes ❑ No

Should the controls be shipped loose for field mounting? ❑ Yes ❑ No

Please provide duty cycle of lifter (lifts per hour and hours per day used): _____

_____

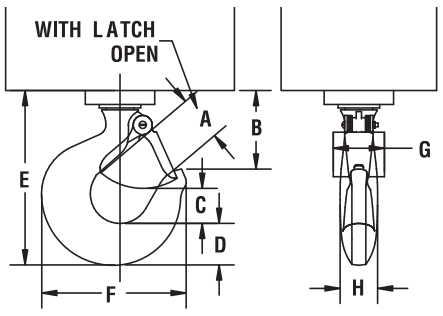
Please provide Crane Classification (A, B, C, D, E, F): _____

Please use the space below to provide additional application information or options required.

For example: headroom issues, space restrictions, lifter restrictions or options such as a chainwheel or end chains.

_____

CRANE HOOK DATA:



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: _____

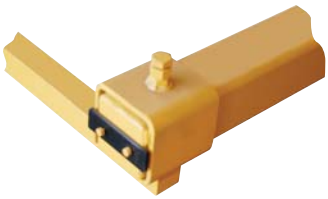
For a price quote on your specific application, please complete the above form and fax to The Caldwell Group at **815-229-5686** or you can complete this form online at www.caldwellinc.com/applications.

Model 90ACL - Adjustable Load Lifter

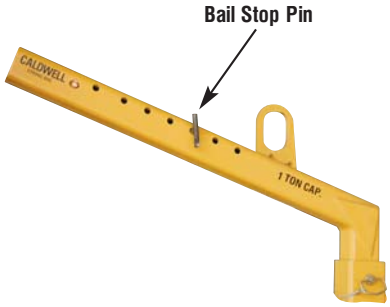
Use your crane to handle a wide range of loads.

PRODUCT FEATURES:

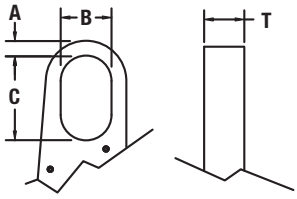
- Once the bail pin is set the pallet lifter remains balanced whether full or empty to make the job faster and safer.
- Adjustable bail provides for balanced handling of items with different load centers.
- Adjustable throat allows for the correct handling of higher stacked loads.
- Adjustable forks allow for proper placement of the forks spread.
- The auto return bail automatically levels empty pallet lifter saving time and effort.
- Heavy duty construction for years of trouble free service.
- Complies with ASME standards.



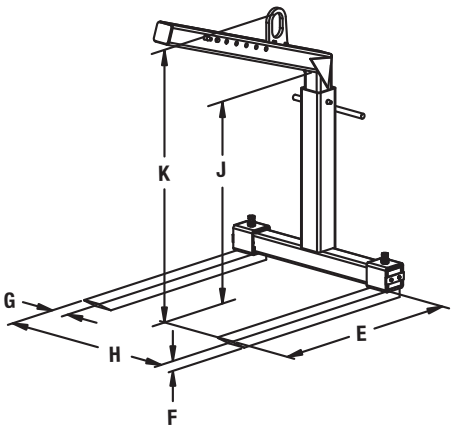
Close-up of adjustable fork



IN-STOCK PROGRAM



Bail



PALLET LIFTERS

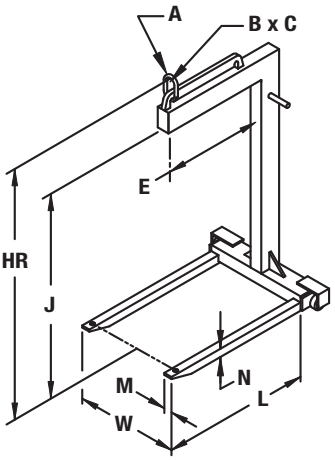
SPECIFICATIONS

Model Number	Rated Capacity (tons)	Dimensions (in.)																		Weight (lbs.)
		Fork					Bail				Throat			HR Headroom (at min. throat)		HR Headroom (at mid throat)		HR Headroom (at max. throat)		
					H						J			K		K		K		
		E	F	G	Min.	Max.	A	B	C	T	Min.	Mid	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
90-ACL-2	2	43.00	2.00	4.00	17.50	36.00	.88	3.00	5.00	0.75	40.68	52.68	64.18	54.88	60.68	66.63	72.44	78.38	84.18	515

Model 93W - Wheeled Pallet Lifter

PRODUCT FEATURES:

- Wheels allow for movement of unit without crane.
- Dual lift points eliminates need for counterweight.
- Extremely lightweight for ease of handling.
- Complies with ASME standards.



QUICKSHIP PROGRAM

SPECIFICATIONS

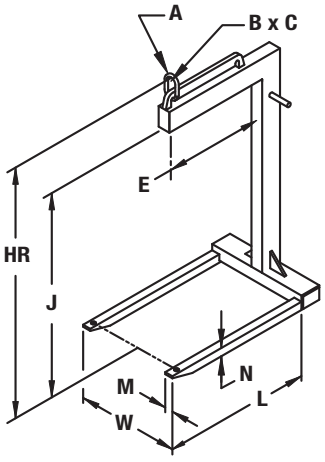
Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Forks					Bail			J	HR	
		L	M	N	W	E	A	B	C			
93W-1-48	1	36	2	2	25	24	1/2	2-1/2	3-3/4	48	60	245
93W-2-48	2	36	4	2	25	24	3/4	2-3/4	4-1/2	48	62	405

PALLET LIFTERS

Model 94 - Lightweight Pallet Lifter

PRODUCT FEATURES:

- Dual lift points eliminates need for counterweight.
- Extremely lightweight for ease of handling.
- Maintenance free - no moving parts.
- Complies with ASME standards.



QUICKSHIP PROGRAM

SPECIFICATIONS

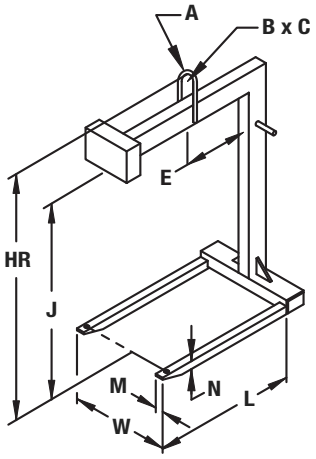
Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Forks					Bail			J	HR	
		L	M	N	W	E	A	B	C			
94-1-48	1	36	2	2	25	24	1/2	2-1/2	3-3/4	48	58	245
94-2-48	2	36	4	2	25	24	3/4	2-3/4	4-1/2	48	62	425
94-3-48	3	36	4-1/2	2-1/2	27	24	1	3-1/2	5	48	65	610

Model 90 - Standard Fixed Forks Pallet Lifter

QUICKSHIP PROGRAM

PRODUCT FEATURES:

- Converts overhead crane to lift truck.
- Counter balanced to hang level when empty.
- Maintenance free.
- Allows for ease of loading/unloading in not easily accessible areas.
- Complies with ASME standards.



SPECIFICATIONS

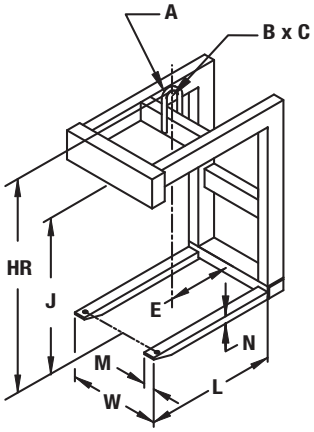
Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Forks			W	E	Bail			J*	HR	
		L	M	N			A	B	C			
90-1-36	1	36	2	2	25	18	1	6	5	48	57-1/2	292
90-1-42	1	42	2	2	25	21	1	6	5	48	57-1/2	310
90-1-48	1	48	2	2	25	24	1	6	5	48	58-1/2	371
90-1 1/2-36	1-1/2	36	3	2	25	18	1	6	5	48	58-1/2	388
90-1 1/2-42	1-1/2	42	3	2	25	21	1	6	5	48	58-1/2	432
90-1 1/2-48	1-1/2	48	3	2	25	24	1	6	5	48	58-1/2	459
90-2-36	2	36	3	2	25	18	1	6	5	48	59-1/2	448
90-2-42	2	42	4	2	25	21	1	6	5	48	59-1/2	536
90-2-48	2	48	4	2	25	24	1	6	5	48	59-1/2	627
90-3-42	3	42	4-1/2	2-1/2	25	21	1-1/2	6-1/8	7	48	61-1/2	766
90-3-48	3	48	4-1/2	2-1/2	27	24	1-1/2	6-1/8	7	48	61-1/2	823
90-3-54	3	54	4-1/2	2-1/2	30	27	1-1/2	6-1/8	7	48	61-1/2	969
90-4-48	4	48	5	3	27	24	1-1/2	6-1/8	7	48	63-1/2	1176
90-4-60	4	60	5	3	30	30	1-1/2	6-1/8	7	60	75-1/2	1393
90-5-48	5	48	5	3	30	24	1-1/2	6-1/8	7	48	63-1/2	1193
90-5-60	5	60	4-1/2	2-1/2	38	30	1-1/2	8-1/8	7	60	75-1/2	1403

* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

Model 95 - Heavy Duty Fixed Forks Pallet Lifter

PRODUCT FEATURES:

- Double frame design for heavy capacities.
- Counter balanced to hang level when empty.
- Maintenance free.
- Complies with ASME standards.



SPECIFICATIONS

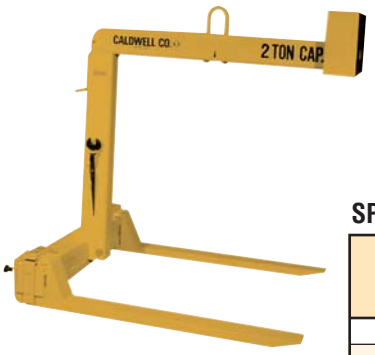
Model Number	Capacity (tons)	Dimensions (inches)										Weight (lbs.)
		Forks			W	E	Bail			J*	HR	
		L	M	N			A	B	C			
95-7 1/2-48	7-1/2	48	6	2-1/2	30	24	2	5	9	48	65	1910
95-7 1/2-60	7-1/2	60	10	3	38	30	2	5	9	60	79	2400
95-10-48	10	48	10	3	30	24	2	5	9	48	69	1950
95-10-60	10	60	10	3	38	30	2	5	9	60	81	3100
95-15-48	15	48	10	3	38	24	2	6	12	60	84	2250
95-15-60	15	60	10	3	38	30	2	6	12	60	75	3800
95-20-60	20	60	7	4	38	30	2-1/4	6	12	60	88	4300
95-20-72	20	72	8-1/4	4	44	36	2-1/4	6	12	60	88	4850

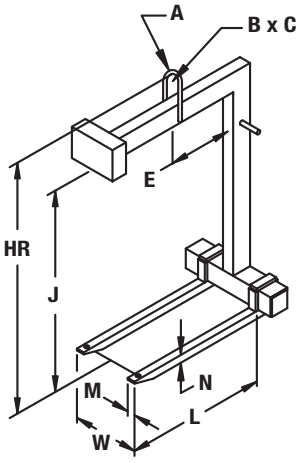
* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

⚠ WARNING

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

Model 91 - Standard Adjustable Forks Pallet Lifter





PRODUCT FEATURES:

- Converts overhead crane into lift truck.
- Pry bar adjustable forks to handle multiple pallet sizes.
- Counter balanced to hang level when empty.
- Complies with ASME standards.

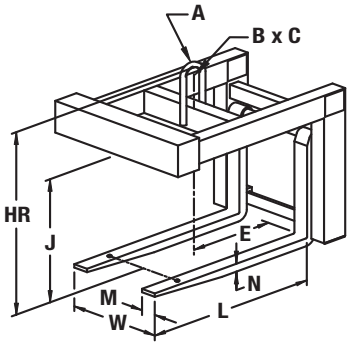
SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Forks			W		E	Bail			J*	HR	
		L	M	N	Min.	Max.		A	B	C			
91-1-36	1	36	2	2	16	38	18	1	3	5	48	58	670
91-1-42	1	42	2	2	16	38	21	1	3	5	48	58	760
91-1-48	1	48	2	2	16	38	24	1	3	5	48	59	780
91-1 1/2-36	1-1/2	36	3	2	16	38	18	1	3	5	48	59	845
91-1 1/2-42	1-1/2	42	3	2	16	38	21	1	3	5	48	59	900
91-1 1/2-48	1-1/2	48	3	2	16	38	24	1	3	5	48	60	950
91-2-36	2	36	3	2	16	38	18	1	3	5	48	60	980
91-2-42	2	42	4	2	16	38	21	1	3	5	48	60	1060
91-2-48	2	48	4	2	16	38	24	1	3	5	48	59-1/2	1080
91-3-42	3	42	4-1/2	2-1/2	16	38	21	1-1/2	4	7	48	61-1/2	1250
91-3-48	3	48	4-1/2	2-1/2	16	38	24	1-1/2	4	7	48	61-1/2	1368
91-3-54	3	54	4-1/2	2-1/2	16	38	27	1-1/2	4	7	48	63	2005
91-4-48	4	48	5	3	19	38	24	1-1/2	4	7	48	64	1600
91-4-60	4	60	5	3	19	38	30	1-1/2	4	7	60	76	2240
91-5-48	5	48	5	3	19	38	24	1-1/2	4	7	48	65	1865
91-5-60	5	60	4-1/2	2-1/2	19	38	30	1-1/2	4	7	60	77	2190

* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

PALLET LIFTERS

Model 96 - Heavy Duty Adjustable Forks Pallet Lifter



PRODUCT FEATURES:

- Forged forks gives ease of adjustment.
- Smaller fork sizes gained using forged forks.
- Double frame design for heavy capacities.
- Complies with ASME standards.

SPECIFICATIONS

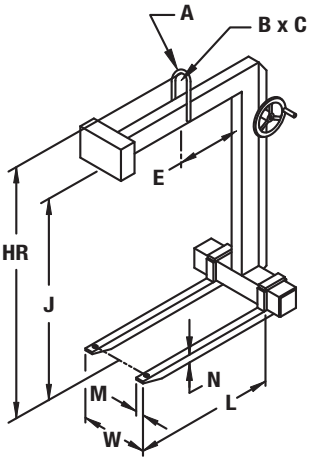
Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Forks			W		E	Bail			J*	HR	
		L	M	N	Min.	Max.		A	B	C			
96-7 1/2-48	7-1/2	48	6	2-1/2	20	48	24	2	5	9	48	64-1/2	2400
96-7 1/2-60	7-1/2	60	6	3	20	48	30	2	5	9	60	77-1/2	3300
96-7 1/2-72	7-1/2	72	6	3	20	48	36	2	5	9	60	80	3750
96-10-48	10	48	6	3	20	48	24	2	5	9	48	68	2900
96-10-60	10	60	6	3	20	48	30	2	5	9	60	79-1/2	4300
96-10-72	10	72	7	3	20	48	36	2	5	9	60	79-1/2	4900
96-12 1/2-48	12-1/2	48	6	3	20	48	24	2	6	12	48	82	3900
96-12 1/2-60	12-1/2	60	6	3	20	42	30	2	6	12	60	82	4700
96-12 1/2-72	12-1/2	72	7	3-1/2	20	38	36	2	6	12	60	82	5500

* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

WARNING

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

Model 92 - Hand Wheel Adjustable Forks Pallet Lifter



PRODUCT FEATURES:

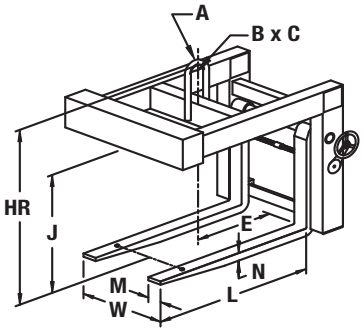
- Hand wheel adjustable forks for ease of adjustment.
- Converts overhead crane to lift truck.
- Handles multiple pallet sizes.
- Complies with ASME standards.

SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Forks			W		E	Bail			J*	HR	
		L	M	N	Min.	Max.		A	B	C			
92-1-36	1	36	2	2	16	38	18	1	3	5	48	58	890
92-1-42	1	42	2	2	16	38	21	1	3	5	48	58-1/2	800
92-1-48	1	48	2	2	16	38	24	1	3	5	48	58-1/2	1051
92-1 1/2-36	1-1/2	36	3	2	22-1/2	38	18	1	3	5	48	58	1000
92-1 1/2-42	1-1/2	42	3	2	22-1/2	38	21	1	3	5	48	60	1055
92-1 1/2-48	1-1/2	48	3	2	22-1/2	38	24	1	3	5	48	60	1130
92-2-36	2	36	3	2	22-1/2	38	18	1	3	5	48	60	1105
92-2-42	2	42	4	2	23	38	21	1	3	5	48	60	1351
92-2-48	2	48	4	2	24	38	24	1	3	5	48	59-1/2	1360
92-3-42	3	42	5	2	23	38	21	1-1/2	4	7	48	61-1/2	1465
92-3-48	3	48	4-1/2	2-1/2	24	38	24	1-1/2	4	7	48	63-1/2	1600
92-3-54	3	54	4-1/2	2-1/2	24	38	27	1-1/2	4	7	48	63	2130
92-4-48	4	48	5	3	28-1/2	38	24	1-1/2	4	7	48	62-1/2	2035
92-4-60	4	60	5	3	28-1/2	38	30	1-1/2	4	7	60	76	2385
92-5-48	5	48	5	3	25-1/2	38	24	1-1/2	4	7	48	65	2550
92-5-60	5	60	4-1/2	2-1/2	25-1/2	38	30	1-1/2	4	7	60	79	2740

* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

Model 97 - Heavy Duty Hand Wheel Adjustable Forks Pallet Lifter



PRODUCT FEATURES:

- Hand wheel adjustable forks for ease of adjustment.
- Forged forks allow for smaller fork sizes.
- Double frame design for heavy capacities.
- Complies with ASME standards.

SPECIFICATIONS

Model Number	Capacity (tons)	Dimensions (inches)											Weight (lbs.)
		Forks			W		E	Bail			J*	HR	
		L	M	N	Min.	Max.		A	B	C			
97-7 1-2-48	7-1/2	48	6	2-1/2	20	48	24	2	5	9	48	66	2600
97-7 1/2-60	7-1/2	60	6	3	20	48	30	2	5	9	60	77-1/2	3500
97-7 1/2-72	7-1/2	72	6	3	20	48	36	2	5	9	60	80	3950
97-10-48	10	48	6	3	20	48	24	2	5	9	48	65-1/2	3150
97-10-60	10	60	6	3	20	48	30	2	5	9	60	77-1/2	3850
97-10-72	10	72	7	3	20	48	36	2	5	9	60	82	4250
97-12 1/2-48	12-1/2	48	6	3	20	48	24	2	6	12	48	82	4200
97-12 1/2-60	12-1/2	60	6	3	20	48	30	2	6	12	60	82	4950
97-12 1/2-72	12-1/2	72	7	3-1/2	20	48	36	2	6	12	60	82	5750
97-15-60	15	60	7	3-1/2	20	48	30	2	6	12	60	82	5300
97-15-72	15	72	8	3-1/2	20	48	36	2	6	12	60	82-1/2	6400

* Additional 3" - 4" clearance recommended above load for ease of loading and unloading the lifter.

⚠ WARNING

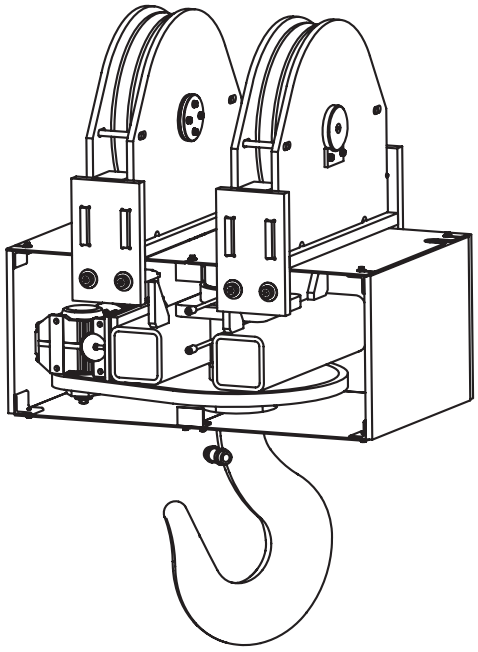
Center of hoist and bail must be in-line with the load's center of gravity.

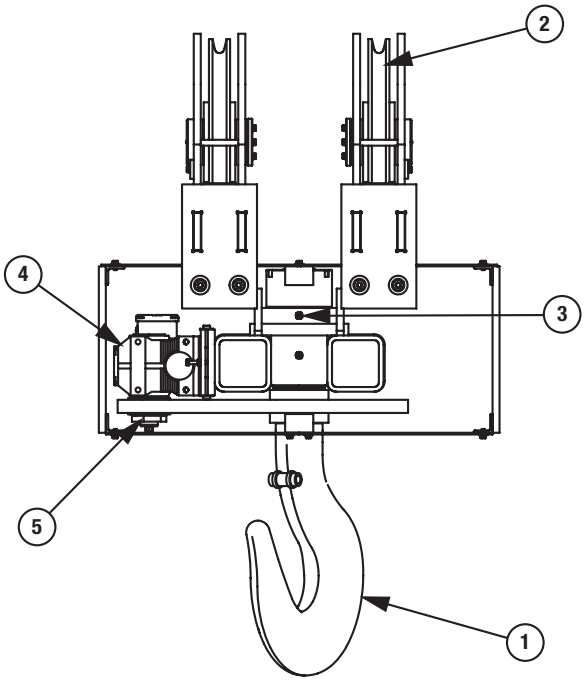
Model 50 - Motorized Rotating Crane Hook

Shown with optional load scale.

PRODUCT FEATURES:

- Custom designed to fit your applications.
- 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.



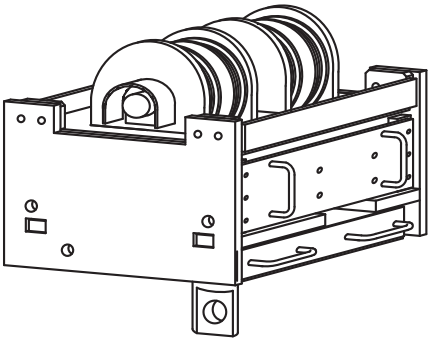


STANDARD DESIGN FEATURES:

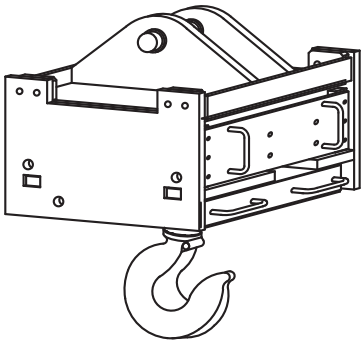
1. Heat treated forged steel hook with latch.
2. Steel sheaves with hardened rope grooves and tapered roller bearings.
3. High capacity thrust bearing.
4. Heavy duty helical-worm gear motor.
5. Chain and sprocket final drive.
6. Easy access for maintenance.
7. Controls include starter with overload, VFD (variable frequency drive) NEMA - 12 enclosure and pigtail.

Rotating Crane Hooks

Clevis Style

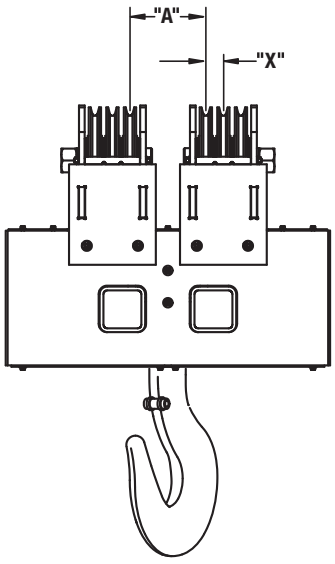


Pin Bail



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. Operating voltage: _____
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
    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.

Model HDMS - Heavy Duty Material Stands

When you need to raise your product up to the right height to aid in the manufacturing, maintenance or repair process; our Strong-Bac® Heavy Duty Material Stands are the solution you need. Each pair is custom designed to fit your specific application.

NEW

PRODUCT FEATURES:

- Designed to meet rated capacity.
- Available with fork pockets, caster, or both for easy transportation.
- Casters are collapsible under load.
- Stands are clearly marked with rated capacity.

Model HDMS - Heavy Duty Material Stands

Application Evaluation

1. Rated Capacity (lbs.): _____
2. Height Required (at top of stand): _____
3. Describe product being set on stands: _____

   _____

   _____

   _____

   _____
4. Dimensions:

   Length _____ Width _____ Height _____

5. Casters or fork pockets (check) boxes):

   ❑ If Casters, specify floor surface material.

   _____

   _____

   ❑ If Fork Pockets, Specify pocket dimensions required:

   Length _____ Width _____ Height _____

   Note: CG must be centered between horses.

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.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

Email: _____

Model MB - Material Baskets

Caldwell custom designed material baskets provide the ideal solution when lifting and transporting components on the job site or manufacturing facility.

NEW

PRODUCT FEATURES:

- Organize material for a specific job.
- Quickly transport tools or components from one area to another.
- Easily keep inventory contained and under control.
- Designed to fit your specific application requirements.
- Complies with ASME standards.

Short, solid sided basket with no door.

Heavy duty steel with solid steel door and fork pockets.

Lightweight aluminum with mesh door and fork pockets.

Caldwell material baskets are not rated for handling personnel.

Model MB - Material Baskets

Shown with optional
fork pockets and casters.

Steel with mesh walls
and solid steel door.

Application Evaluation

1. Capacity (lbs.):_____
2. Inside Dimensions:

   Length_____ Width_____ Height _____
3. Door: ❑ Yes ❑ No

   If yes, specify location and type of swing required.

   ❑ Left ❑ Right ❑ Length ❑ Width

   ❑ Other_____
4. Wall material:

   ❑ Open Frame ❑ Expanded metal

   ❑ Solid steel ❑ Other: (please specify)

   _____
5. Crane Attachment Method: ❑ Chain Top Rigging

   ❑ Lifting Beam ❑ Lifting Bracket

   ❑ Other (please describe):_____

   _____
6. Fork pockets required:

   ❑ Yes, specify maximum fork dimensions:_____

   ❑ No
7. Casters required: ❑ Yes ❑ No
8. Is the load centered in the basket?

   ❑ Yes ❑ No

   If no, please provide sketch or drawing indicating load center.
9. Other information: _____

   _____

   _____

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.

Contact: _____

Company: _____

Address: _____

City, State, Zip: _____

Phone: _____

Fax: _____

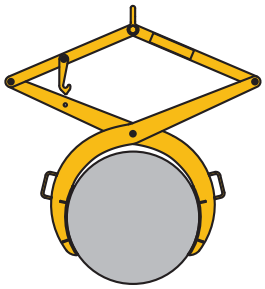
Email: _____

Lifting Tongs

General Information:

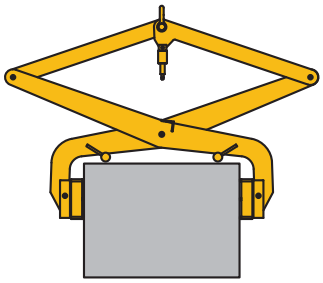
Caldwell Lifting Tongs are available in standard configurations to fit many common applications. However, not all lifting challenges will be solved with a standard tong. Caldwell has the experienced team that can create a custom designed lifting tong to fit the specifications provided. All custom Caldwell Lifting tongs are designed to comply with ASME standards.

Lifting tongs are available in three configurations.



1. **FRICTION –** Grab arms conform to load surface with outside diameter supported below center of load for additional holding advantage.

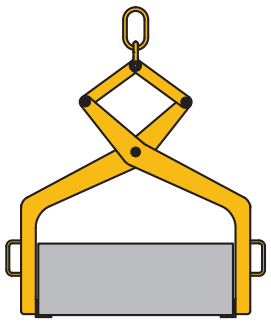
   Designed to lift such products as rolls, tubes, and other cylindrical materials. Standard models are shown on page F.23 of our Rig-Master® section.



2. **INDENTATION –** Grab arms grip vertical sides of straight sided materials. Custom grip pads are required to have sufficient coefficient of friction between material lifted and grip pads. Grip pads may be rubber, steel, belting, points and other.

   Designed to lift such products as bales, boxes, ingots, and other straight sided materials.

   Standard models for bales are shown on page A.71, slab tongs are shown on page F.12 - F.13 of our Rig-Master® section.



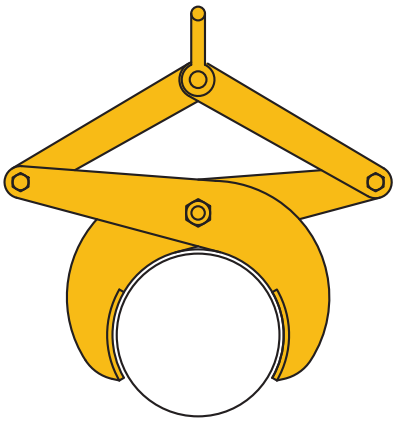
3. **SUPPORTING –** Grab arms have feet to support underneath load. Designed to handle constant sizes of material to maintain a horizontal plane on the lifting feet. Dunnage under material required to insert/remove feet of tong.

   Designed to lift constant sized boxes, containers, crates, and other constant sized square shaped material.

   Standard models for dies are shown on page A.73.

Application Ideas for Custom Friction Tongs...

to lift rolls, tubes and cylindrical materials



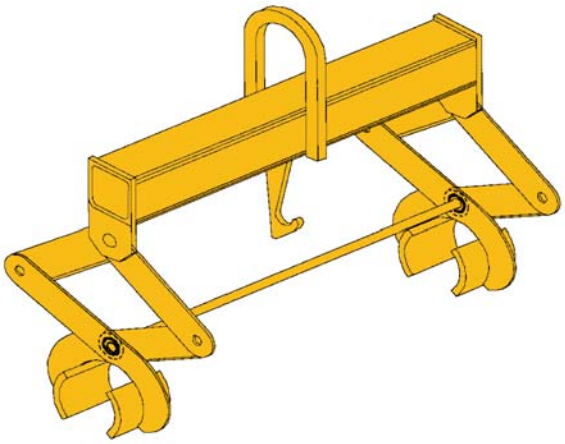
Pipe Tongs

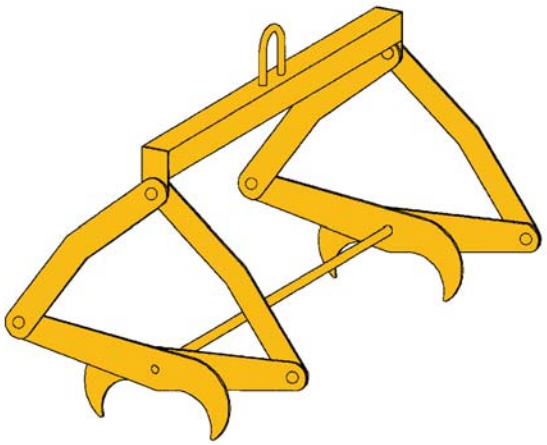
For our standard 108 Pipe Tongs, please see our Rig-Master® section, page F.24.

The Single Gripping Tong is used to lift cylindrical objects that are short in length such as large diameter round bar, tube or rolls of material.

We have integrated both a manual latch or the Auto-Latch mechanism into this family of tongs. The selection of the latch is dependant on the application.

The Dual Gripping Tong system supports and stabilizes longer, larger loads. The large contoured pads distribute the force applied to the load over a larger surface area. Optional pad linings, nylon or rubber pads protect the load from damage. This is ideal when handling rolls of fabric or polyethylene film.

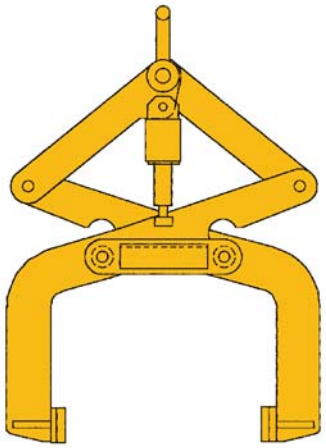


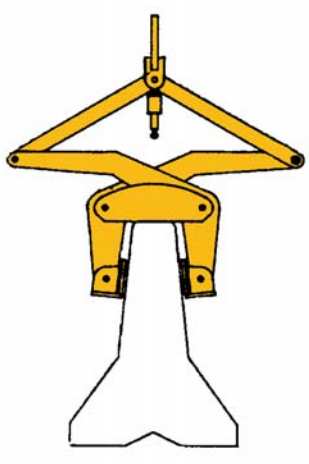


This Dual Gripping Tong system will support and stabilize longer, larger loads that can sustain the force of the entire load on a smaller surface area. When the narrow gripping arms engage the item, significant pressure will be applied. Ideal for handling bundles of steel that are round in shape.

Application Ideas for Indentation Tongs...

to lift bales, boxes, ingots, and other straight sided materials

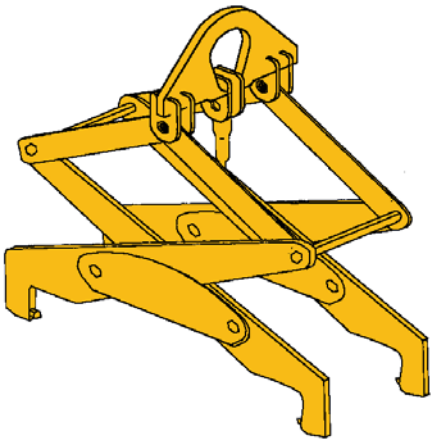


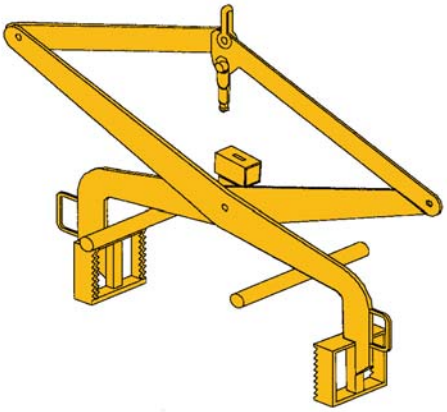


Barrier Tongs

For our standard 74 Barrier Grab,
please see our Rig-Master® section, pages F.4 - F.5.

PRESSURE TONGS can be used to lift objects that have sufficient structure and density that they will not be damaged by the application of significant lateral force. An example of this is concrete highway barriers and steel ingots.





They can also be used in situations where the lifted item can accommodate a gripping action that may indent the sides of the load. Cotton and cardboard bales are a good example of loads that can be lifted with a PRESSURE TONG even though they are not rigid.

Standard Indentation Type

Model 77 - Bale Lifting Tongs

PRODUCT FEATURES:

- Lifts bales of paper, cotton, and other materials.
- Wide gripping surface for load stability.
- Includes Auto-Latch mechanism for one person operation.
- Complies with ASME standards.

QUICKSHIP PROGRAM

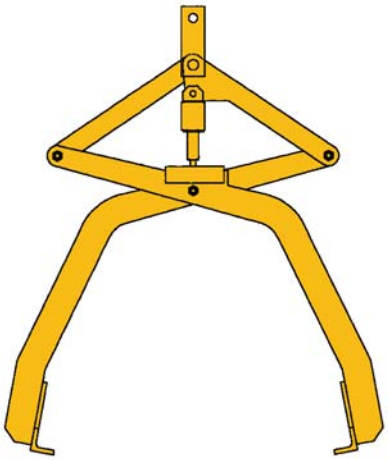
SPECIFICATIONS

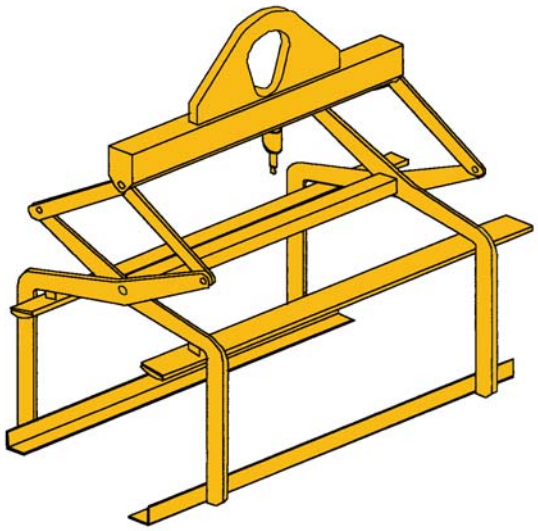
Model Number	Rated Capacity (tons)	Bale Width (in.)	Unit Height Loaded (in.)	Pad Dimensions (in.)		Weight (lbs.)
				Width	Height	
77-1/2-36	1/2	36	52	18	9	280
77-1/2-48	1/2	48	56	18	9	300
77-1-36	1	36	52	18	9	280
77-1-48	1	48	56	18	9	300

Application Ideas for Supporting Tongs...

to lift constant sized boxes, containers and crates

This SUPPORT TONG is used for constant sized containers. It has an arm design that allows significant height on the lifted item and includes an Auto-Latch mechanism for single person control. This Auto-Latch allows the operator to position, engage, lift, move, place and disengage the lifted item without assistance from another individual or without moving from the crane/hoist control station.





This SUPPORT TONG is also used for constant sized containers. It has the Auto-Latch and added length to handle longer loads. The top guide stops simplify the auto-engagement and single operator use.

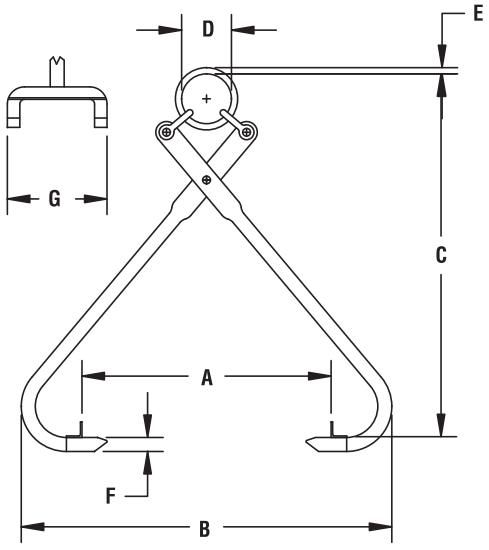
Standard Support Type

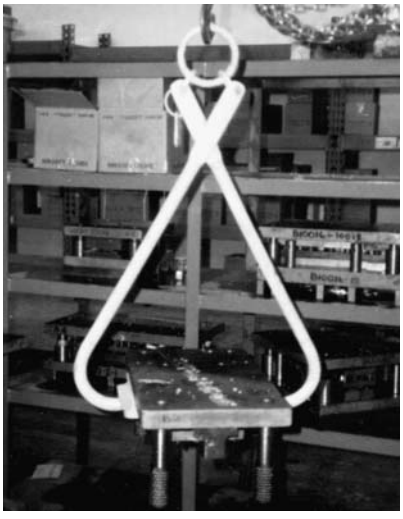
Model DLT - Die Lifting Tongs

PRODUCT FEATURES:

- Broad capacity range.
- Low headroom design.
- Complies with ASME standards.

QUICKSHIP PROGRAM





SPECIFICATIONS

Model Number	Capacity (lbs.)	Dimensions (inches)								Weight (lbs.)
		Max. A	B	C	D	E	F	G	H	
DLT-1-20	2000	20	29 3/4	29	4	5/8	1	8	7	29
DLT-1 1/4-28	2500	28	40 1/4	39	5	3/4	1 1/4	8	9 1/2	52
DLT-1 1/2-38	3000	38	51 3/4	47 1/2	6	7/8	1 1/2	10	10 3/4	86

Tongs - Application Evaluation

LOAD INFORMATION - FRICTION TONGS

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

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

Describe product/material being lifted: _____

_____

Please describe how product is resting (Ex. On a flat surface, in a rack, etc.): _____

_____

LOAD INFORMATION - INDENTATION/SUPPORTING TONGS

Minimum: Width _____ Length _____ Height _____ Weight _____

Maximum: Width _____ Length _____ Height _____ Weight _____

Describe product/material being lifted: _____

_____

Will the tongs lift making contact to the width or length side? _____

ADDITIONAL INFORMATION - ALL TYPES

Does the load need to be protected from lifter damage? ❑ Yes ❑ No

Is an Auto-Latch desired? _____

Please provide duty cycle of lifter (lifts per hour and hours per day used): _____

Please provide Crane Classification (A, B, C, D, E, F): _____

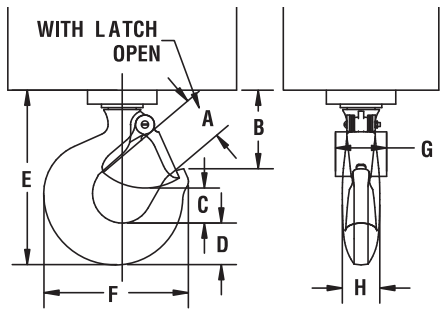
Please use the space below to provide additional application information or options required.

For example: headroom issues and space or lifter restrictions. _____

_____

_____

CRANE HOOK DATA:



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.

Care & Use

Strong-Bac® Below-The-Hook Lifters have 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:

INSTALLATION

Below Hook Lifters 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 instruction manual.

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's 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 should 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 inspect the lifter before using. Any 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 safety markings.
6. Loads shall not be lifted higher than necessary or 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 operator or other personnel shall not place themselves or any part of their bodies beneath suspended loads.
9. The load or lifter shall not be slid on the floor or other surface.
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.

Modifications or repairs performed on your lifting equipment without prior written approval from The Caldwell Group, Inc. voids your warranty. Refer to ASME standards for information regarding the liability of repaired or modified lifters.

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