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All temologies

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Mazzella Interpretation of Key Specifications From ANSI / ASME B30.20 BTH Lifting Devices

Markings and Construction

Markings

- (a) Rated load marking: the rated load of the lifting device shall be marked in the main structure where it is visible. If the listing device is made up of several lifters, each detachable from the group, these lifters shall also be marked with their individual rated loads.
- (b) Identification: a nameplate or other permanent marking shall be affixed displaying the following information:
 - (1) manufacturer's name
 - (2) serial number
 - (3) lifter weight, if over 100 lbs.
 - (4) rated load



(6) design category



General Construction

A lifter shall be designed to withstand the forces imposed by its rated load with a minimum design factor of 3, based on yield strength, for the load-bearing structural components.

- (a) Welding: all welding shall be in accordance with ANSI / AWS D14.1
- (b) Guards for moving parts: exposed moving parts, such as, (but not limited to) gearing, projecting shafts, and chain drives that constitute a hazard under normal operating conditions, should be guarded.
- (c) Electrical equipment: electrical equipment and wiring shall comply with Article 610 of ANSI / NFPA 70.
- (d) Modifications: structural and mechanical lifters may be modified or re-rated provided such modifications are analyzed by a qualified person or a manufacturer of structural or mechanical lifting devices. A re-rated lifter, or one whose components have been modified, shall be tested according to ANSI / ASME B30.20 section on testing. New rated load shall be displayed.

Lifting Device Operating Practices

- (a) Lifting devices shall be operated only by the following qualified personnel:
 - (1) designated persons.
 - (2) trainees under the direct supervision of a designated person.
 - (3) maintenance and test personnel, when it is necessary in the performance of their duties.(4) inspectors (lifting devices).
- (b) The lifting device shall not be loaded in excess of its rated load or handle any load for which it is not designated.

- (c) The lifter shall be applied to the load in accordance
- with established procedures.(d) Before lifting, the operator shall make sure that lifter ropes or chains are not kinked, and that multiple-part lines are not twisted about each other.
- (e) Care should be taken to make certain the load is correctly distributed for the lifter being used.
- (f) The temperature of the load should not exceed the maximum allowable limits of the lifter.
- (g) The lifter shall be brought over the load in such a manner as to minimize swinging.
- (h) Care shall be taken that there is not sudden acceleration or deceleration of the load.
- (i) Do not allow load or lifter to come into contact with any obstruction.
- (j) The operator shall avoid carrying the load over people.
- (k) The lifter shall not be used for side pulls or sliding the load unless specifically authorized by a qualified person.

Frequent Inspection

Items shall be inspected at intervals, as defined above. In addition, visual observations should be conducted during regular service for any damage or evidence of malfunction which appears between regular inspections. Any deficiencies, such as listed below, shall be carefully examined and determination made as to whether they constitute a hazard:

- (a) structural deformation, cracks or excessive wear on any part of the lifter.
- (b) loose or missing guards, fasteners, covers, stops or nameplates.
- (c) all functional operating mechanisms and automatic hold and release mechanisms for misadjustments interfering with operation.

Periodic Inspection

Complete inspections of the lifter shall be performed at intervals as defined above. Any deficiencies, such as listed below, shall be examined and determination made as to whether they constitute a hazard. These inspections shall include the requirements of frequent inspections, and in addition, items such as the following:

- (a) loose bolts or fasteners.
- (b) cracked or worn gears, pulleys, sheaves, sprockets, bearings, chain and belts.
- (c) excessive wear of linkages and other mechanical parts.
- (d) excessive wear at the hoist hooking points and load support clevises or pins.

The above are general guidelines only. Please refer to current OSHA, ANSI / ASME standards for complete specifications.



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	Model C&S — Pipe Grabs
•	Model ST — Slab Tongs
	Model AJH / BJH / CJH — J-Hooks
•	Model FH — Foundry Hooks
•	No Touch Hand Tools & Devices





Model 16 — Adjustable Spreader / Lifting Beam

Product Features:

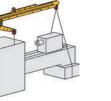
- Adjustable lifting points.
- Handles both wide and unbalanced loads.
- Low headroom capability.
- Shackles included.
- Add chain top rigging for additional stability.
- Optional swivel hooks available.
- Optional chain top rigging available.
- Complies with ASME standards.

Product Options:

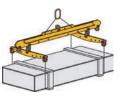
Specify spreads

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





Custom 3 Point Lift



Custom 4 Point Lift

			Sp	ecification	S			
Model Number	Rated Capacity (tons)	ity (in.)		Adjustment	HR Headroom	Anchor	Type Shackle ons)	Weight (Ibs.)
	(tons)	Max.	Min.	()	(in.)	Тор	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

Standard 2 Point Lift



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

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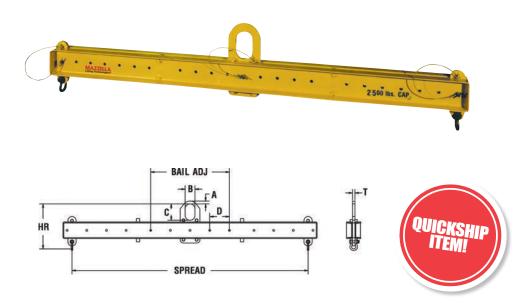
Model 17 — Adjustable Lifting Beam

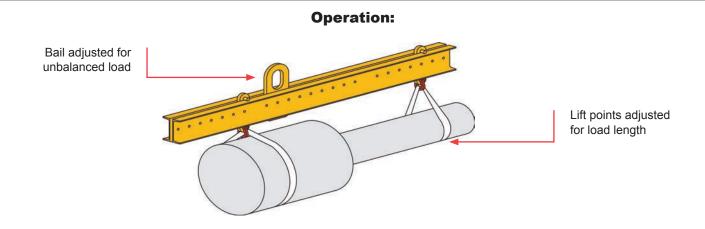
Product Features:

- 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





	Specifications											
Model Number	Rated Capacity		Spread Bail Adjustment (in.) (in.)		HR Headroom	Shackle Size	<i>a</i> >				Weight	
Number	(tons)	Max.	Min.	Range	D	(in.)	(tons)	Α	В	С	Т	(lbs.)
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





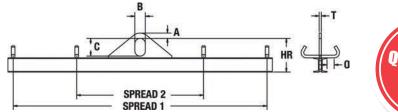
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Model 18 — Fixed Twin Basket Sling Lifting Beam

Product Features:

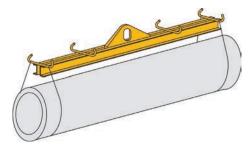
- Designed to be used with slings in a basket hitch.
- Provides greatest clearance in low headroom applications.
- Two sets of bent bar hooks are standard on units with a spread of 6' and greater.
- Spread 2 is 1/2 of spread 1.
- Hooks are designed to handle up to a 2" sling eye width.
- Complies with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







Operation:



			Spe	cification	S					
Capacity	Model Number HR Headroom (in.)		Spread (feet)							
(tons)	Weight (Ibs.)	3 *	4 *	6	8	10	12	1	(in.)	
1/2	Model Number HR Headroom Weight	18-1/2-3 8-1/2 40	18-1/2-4 8-1/2 48	18-1/2-6 8-1/2 78	18-1/2-8 8-1/2 95	18-1/2-10 8-1/2 113	18-1/2-12 9-1/2 171	A=7/8 B=3 C=5	T=3/4 O=2	
1	Model Number HR Headroom Weight	18-1-3 8-1/2 40	18-1-4 8-1/2 48	18-1-6 9-1/2 93	<mark>18-1-8</mark> 10-1/2 136	<mark>18-1-10</mark> 10-1/2 175	18-1-12 11-1/2 239	A=7/8 B=3 C=5	T=3/4 O=2	
2	Model Number HR Headroom Weight	18-2-3 9-1/2 52	<mark>18-2-4</mark> 10-1/2 75	18-2-6 10-1/2 139	<mark>18-2-8</mark> 11-1/2 169	18-2-10 12-1/2 246	18-2-12 13-1/2 326	A=7/8 B=3 C=5	T=3/4 O=2	
5	Model Number HR Headroom Weight	18-5-3 13-1/2 104	<mark>18-5-4</mark> 14-1/2 135	<mark>18-5-6</mark> 15-1/2 211	18-5-8 16-1/2 310	18-5-10 17-1/2 423	<mark>18-5-12</mark> 19-1/2 618	A=2 B=4 C=7	T=1-1/4 O=2	
7-1/2	Model Number HR Headroom Weight	18-7 1/2-3 12 125	18-7 1/2-4 14 185	18-7 1/2-6 15 315	18-7 1/2-8 17 475			A=2 B=4 C=7	T=1-1/4 O=2	

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



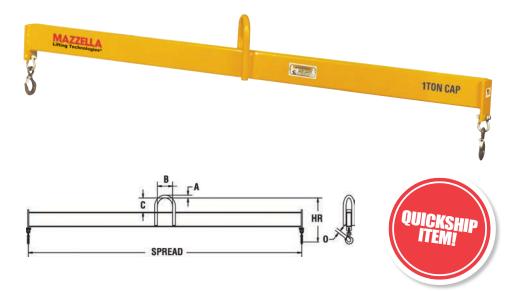


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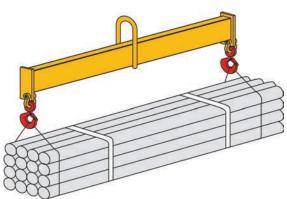
Model 19 — Fixed Spread Lifting Beam

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.



Operation:



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





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Model 20 — Low Headroom Multiple Spread Lifting Beam

Ideal where headroom is limited.

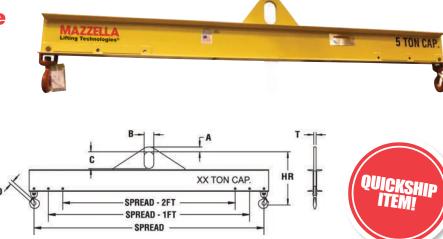
Product Features:

- 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')



Other sizes available, consult your local Lifting Specialist.

	Specifications											
Capacity			Outside Spread (feet)									
(tons)	Weight (lbs.)	3	4	6	8	10	12					
1/2	Model Number	<mark>20-1/2-3</mark>	20-1/2-4	20-1/2-6	20-1/2-8	<mark>20-1/2-10</mark>	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	<mark>20-1-4</mark>	<mark>20-1-6</mark>	<mark>20-1-8</mark>	<mark>20-1-10</mark>	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	<mark>20-2-3</mark>	<mark>20-2-4</mark>	<mark>20-2-6</mark>	<mark>20-2-8</mark>	20-2-10	<mark>20-2-12</mark>					
	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	<mark>20-3-3</mark>	20-3-4	<mark>20-3-6</mark>	<mark>20-3-8</mark>	<mark>20-3-10</mark>	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	<mark>20-5-3</mark>	<mark>20-5-4</mark>	20-5-6	20-5-8	<mark>20-5-10</mark>	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	<mark>20-10-3</mark>	<mark>20-10-4</mark>	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	1,180					
20	Model Number	<mark>20-20-3</mark>	<mark>20-20-4</mark>	<mark>20-20-6</mark>	<mark>20-20-8</mark>	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	1,070	1,235					
25	Model Number HR Headroom Weight		20-25-4 41-3/8 470	20-25-6 41-3/8 590	20-25-8 44-3/8 925	20-25-10 44-3/8 1,100	20-25-12 44-3/8 1,650					
30	Model Number HR Headroom Weight		20-30-4 45-1/2 525	20-30-6 45-1/2 660	<mark>20-30-8</mark> 48-1/4 1,010							
40	Model Number HR Headroom Weight		<mark>20-40-4</mark> 44-3/4 600	20-40-6 47-3/4 930								





Model 20 — Low Headroom Multiple Spread Lifting Beam (Continued)

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





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.)



e supplied.)

Other sizes available, consult your local Lifting Specialist.

		Sp	ecification	s (Continued	I)						
Model Number	adroom (in.)										
Weight (lbs.)	14	16	18	20	24	30	Dimen	sions (in.)			
Model Number HR Headroom Weight	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 1,340	A=7/8 B=3 C=5	T=3/4 O=7/8			
Model Number HR Headroom Weight	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 1,095		A=7/8 B=3 C=5	T=3/4 O=7/8			
Model Number HR Headroom Weight	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 1,730		A=7/8 B=3 C=5	T=3/4 O=7/8			
Model Number HR Headroom Weight	20-3-14 24-1/2 650	20-3-16 24-1/2 730	20-3-18 27-1/2 1,295	20-3-20 27-1/2 1,450	20-3-24 27-1/2 1,765		A=1-1/4 B=3 C=5	T=1 O=1			
Model Number HR Headroom Weight	20-5-14 27-1/2 690	<mark>20-5-16</mark> 30-1/4 1,210	20-5-18 30-1/4 1,340	20-5-20 30-1/4 1,505	20-5-24 33-1/4 2,275		A=2 B=4 C=7	T=1-1/4 O=1-15/16			
Model Number HR Headroom Weight	20-7 1/2-14 30-1/4 1,070	20-7 1/2-16 30-1/4 1,600	20-7 1/2-18 33 1,665				A=2 B=4 C=7	T=1-1/4 O=1-1/2			
Model Number HR Headroom Weight	<mark>20-10-14</mark> 30-1/4 1,075	<mark>20-10-16</mark> 33 1,500	20-10-18 33 1,670				A=2 B=4 C=7	T=1-1/4 O=1-9/16			
Model Number HR Headroom Weight	20-15-14 40-1/4 1,385						A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/16			
Model Number HR Headroom Weight							A=2-1/2 B=5 C=9	T=1-1/2 O=2-1/4			
Model Number HR Headroom Weight							A=3 B=6 C=12	T=1-3/4 O=2-1/4			
Model Number HR Headroom Weight							A=3-1/2 B=7 C=16	T=2 O=2-1/4			
Model Number HR Headroom Weight							A=3-1/2 B=7 C=16	T=2-1/2 O=3			

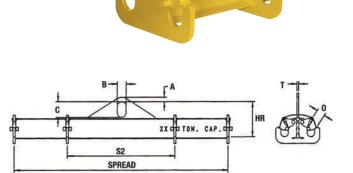




Model 22 — Heavy Duty Twin Basket Sling Lifting Beam

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.



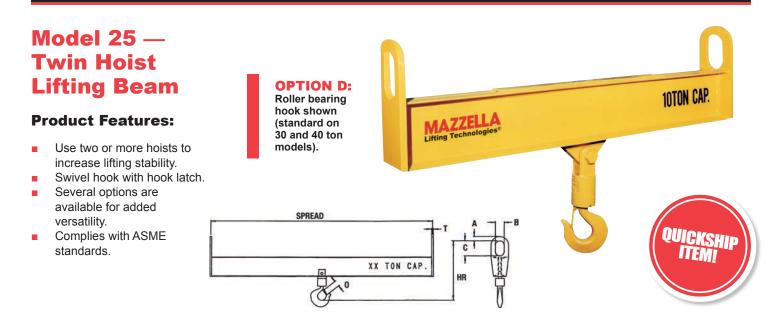
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	Specifications									
Capacity	Model Number		Spread (feet)							
(tons)	HR Headroom (in.) Weight (lbs.)	3	4	6	8	10	12	Din	nensions (in.)	
1/2	Model Number HR Headroom Weight	<mark>22-1/2-3</mark> 8-1/2 50	<mark>22-1/2-4</mark> 8-1/2 65	<mark>22-1/2-6</mark> 8-1/2 110	<mark>22-1/2-8</mark> 8-1/2 150	22-1/2-10 9-1/2 200	<mark>22-1/2-12</mark> 9-1/2 220	A=7/8 B=3 C=5	T=3/4 O=1-1/16	
1	Model Number HR Headroom Weight	22-1-3 8-1/2 50	<mark>22-1-4</mark> 8-1/2 65	22-1-6 9-1/2 145	22-1-8 10-1/2 210	22-1-10 10-1/2 230	22-1-12 11-1/2 290	A=7/8 B=3 C=5	T=3/4 O=1-1/8	
2	Model Number HR Headroom Weight	<mark>22-2-3</mark> 9-1/2 70	22-2-4 10-1/2 90	22-2-6 10-1/2 160	22-2-8 11-1/2 225	22-2-10 12-1/2 300	22-2-12 13-1/2 375	A=7/8 B=3 C=5	T=3/4 O=1-1/8	
5	Model Number HR Headroom Weight	22-5-3 13-1/2 90	22-5-4 14-1/2 160	22-5-6 15-1/2 275	22-5-8 16-1/2 350	<mark>22-5-10</mark> 16-1/2 450	22-5-12 16-1/2 500	A=2 B=4 C=7	T=1 O=1-1/8	
7-1/2	Model Number HR Headroom Weight	22-7 1/2-3 14-1/2 155	22-7 1/2-4 15-1/2 180	22-7 1/2-6 16-1/2 330	22-7 1/2-8 17-1/2 410	22-7 1/2-10 17-1/2 500	22-7 1/2-12 19-1/2 700	A=2 B=4 C=7	T=1-1/4 O=1-3/4	
10	Model Number HR Headroom Weight	<mark>22-10-3</mark> 15-1/2 150	22-10-4 16-1/2 200	22-10-6 17-1/2 360	22-10-8 19-1/2 500	22-10-10 22-1/2 850	22-10-12 19-1/2 1,000	A=2 B=4 C=7	T=1-1/4 O=1-3/4	



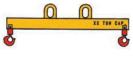




	Specifications								
Capacity	Model Number HR Headroom (in.)	opicau (lect)							
(tons)	Weight (lbs.)	6	8	10	12	14	16		ensions (in.)
2	Model Number HR Headroom Weight	25-2-6 16-3/4 125	25-2-8 16-3/4 160	25-2-10 17-3/4 240	25-2-12 17-3/4 280	25-2-14 18-3/4 360	25-2-16 18-3/4 400	A=1-1/2 B=3 C=5	T=5/8 O=1-1/8
4	Model Number HR Headroom Weight	25-4-6 20 160	25-4-8 21 240	25-4-10 22 310	25-4-12 23 410	25-4-14 23 500	25-4-16 25 725	A=1-1/2 B=3 C=5	T=5/8 O=1-1/2
6	Model Number HR Headroom Weight	25-6-6 27-1/2 220	25-6-8 28-1/2 300	25-6-10 28-1/2 380	25-6-12 30-1/2 550	25-6-14 30-1/2 640	25-6-16 30-1/2 780	A-1-1/2 B=3 C=5	T=3/4 O=2-1/16
10	Model Number HR Headroom Weight	25-10-6 29 340	25-10-8 29 420	25-10-10 32 800	25-10-12 32 920	25-10-14 32 1,100	25-10-16 32 1,220	A=2 B=4 C=7	T=1 O=2-1/4
15	Model Number HR Headroom Weight		25-15-8 38-1/4 740	25-15-10 38-1/4 865	25-15-12 38-1/4 1,050	25-15-14 41-1/4 1,930	25-15-16 41-1/2 2,158	A=2 B=4 C=7	T=1-1/4 O=2-1/4
20	Model Number HR Headroom Weight		25-20-8 35-1/2 830	25-20-10 38-1/2 1,130	25-20-12 38-1/2 1,266	25-20-14 38-1/2 1,926	25-20-16 38-1/2 2,196	A=2 B=4 C=7	T=1-1/4 O=3



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.



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

11



Model 27SL — Bulk Container Lifting Beams

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.



	Specifications											
Model Number	Capacity (Ibs.)	Span (in.)	Weight (Ibs.)									
27SL-1MT-36	2,200	36	150									
27SL-1MT-48	2,200	48	185									
27SL-2MT-36	4,400	36	155									
27SL-2MT-48	4,400	48	190									







Model 30 — **Fixed Spreader Beams**

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® 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 (Ibs.)	4	6	8	10	12	16	20	24	Dime	ther nsions in.)
2	Model Number HR Headroom Weight	30-2-4 34 45	30-2-6 46 60	30-2-8 58 82	30-2-10 70 95	30-2-12 82 115	30-2-16 106 225	30-2-20 132 408	30-2-24 156 445	A=1/2 B=2-1/2 C=5	F=4-1/4 O=31/32
5	Model Number HR Headroom Weight	30-5-4 37 62	30-5-6 49 78	30-5-8 61 100	<mark>30-5-10</mark> 73 117	30-5-12 83 168	30-5-16 110 305	30-5-20 134 435	30-5-24 158 661	A=1 B=3-1/2 C=7	F=6 O=1-1/16
10	Model Number HR Headroom Weight	30-10-4 41 100	30-10-6 53 122	30-10-8 64 156	30-10-10 77 180	30-10-12 86 240	30-10-16 113 380	30-10-20 138 532	30-10-24 163 915	A=1-1/4 B=4-3/8 C=8-3/4	F=8-1/8 O=1-1/2
15	Model Number HR Headroom Weight	30-15-4 43 126	30-15-6 55 155	30-15-8 65 185	30-15-10 80 242	30-15-12 92 270	30-15-16 116 420	30-15-20 140 665	30-15-24 167 953	A=1-1/2 B=5-1/4 C=10-1/2	F=9-1/4 O=1-3/4
20	Model Number HR Headroom Weight	30-20-4 46 170	30-20-6 58 200	30-20-8 69 233	30-20-10 82 315	30-20-12 94 350	30-20-16 118 540	30-20-20 140 775	30-20-24 170 1,341	A=1-3/4 B=6 C=12	F=9-3/4 O=2
30	Model Number HR Headroom Weight		30-30-6 60 285	30-30-8 70 402	30-30-10 83 440	30-30-12 95 530	30-30-16 120 888	30-30-20 145 1,390		A=1-3/4 B=6 C=12	F=9-3/4 O=2
40	Model Number HR Headroom Weight		30-40-6 65 563	30-40-8 77 695	30-40-10 89 781	30-40-12 102 1,058	30-40-16 127 1,364			A=2 B=7 C=14	F=13 O=2-3/4

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

Top Rigging Options:

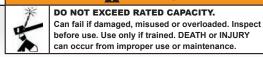
OPTION C Chain top rigging from beam to crane hook.

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).

WARNING



can occur from improper use or maintenance. 13



Model 32 — Adjustable Spreader Beams

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.

der ed.	Shown With OPTION C Please Specify Top Rigging	QUICKSHIP ITEMI
HR HR 45° SPREAD		IN TON CAP

	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.)					
	32-2-4/6	4/6	48/57	70						9					
2	32-2-6/10	6 / 10	72/88	85	1/2	2.36	3.94	5.5	0.97	13					
2	32-2-8/14	8 / 14	96/113	175	1/2	2.30	5.94	0.0	0.97	17					
	32-2-12/20	12 / 20	132/166	245]					23					
	32-5-4/6	4/6	55/64	105	1	5.38				34					
F	32-5-6/10	6 / 10	79/95	160			7.00	8.4	4 4 4	47					
5	32-5-8/14	8 / 14	102/126	205	1		7.09	8.4	1.41	61					
	32-5-12/20	12 / 20	138/172	670	1					82					
	32-10-4/6	4/6	60/69	130						49					
40	32-10-6/10	6 / 10	74/111	175	1 4 4 /4	F 74	40.00	10.0	4 70	69					
10	32-10-8/14	8 / 14	108/132	460	1-1/4	5.71	10.83	10.6	1.78	88					
	32-10-12/20	12 / 20	144/163	680	1					118					
	32-15-4/6	4/6	64/72	165						78					
45	32-15-6/10	6 / 10	87/104	365	1-1/2	F 00	10.5	10.0	0.00	111					
15	32-15-8/14	8 / 14	111/135	478		5.90	10.5	13.6	2.22	145					
	32-15-12/20	12 / 20	147/180	700						194					

Top Rigging Options:

OPTION C

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

Chain top rigging from beam to crane hook.





Model BEF — Spreader Beam End Fittings

Product Features:

- Build your own spreader beam.
- Designed to work with a range of shackle sizes, both top and bottom.
- Complies with ASME standards when assembled to specifications using A53 Grade B, schedule 40 pipe.



	Specifications																			
Model Number	Model Number Capacity (tons)												Weight							
Spread (ft.)	4	5	6	8	10	12	14	15	16	18	20	22	24	26	28	30	32	34	36	(lbs.)
BEF-2-1/2	7.5	7	6.5	5.5	4	2.9	2	1.8												16
BEF-5	17	17	17	17	17	16	15	14	13	12	10	8	7	6	5	4.5				46
BEF-8	39	39	39	39	39	38	36	36	35	33	31	29	27	25	23	21	19	16	15	266

NOTE: Capacity based on minimum 45° top rigging angle.

Assembly Information:

The Model BEF is designed to use A53 Grade B, schedule 40 pipe as the central structural element between the end fittings. This structural material is readily available at most steel service centers. The Model BEF-2-1/2 requires a 2-1/2" nominal size, the Model BEF-5 requires a 5" nominal size, and the BEF-8 requires an 8" nominal size A53 Grade B, schedule 40 pipe.

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 40 pipe should not have any weld joint irregularities.
- Each end of the A53 Grade B, schedule 40 pipe must have the correct diameter holes drilled through both walls and both ends must be in line.
- The A53 Grade B, schedule 40 pipe used in this application does not need to pass any pressure testing.

The retaining bolts used to secure the Model BEF 2-1/2 and 5 to the A53 Grade B, schedule 40 pipe must be a Grade 5 Hex Head Cap Screw 5/8-11 with minimum length of 4-1/2" and 8" respectively. The bolt for the BEF-8 is a Grade 5 Hex Head Cap Screw 1-8 with a minimum length of 11-1/2".

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



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Models 5, 10 & 15 — Fork Lift Beams

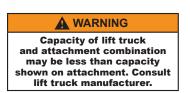
Fork Lift Beams are specifically designed to make fork lifts more versatile by providing positive handling of loads otherwise impractical for fork lifts.

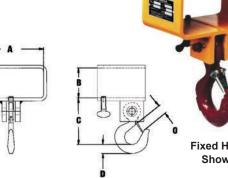
Product Features:

- Easy attachment, no special wrenches or tools needed.
- Strong, sturdy, all welded construction.
- Easy to see, highly visible yellow paint.
- Custom designs available.



Model 5 — Single Fork Hook / Fixed or Swivel









Shown

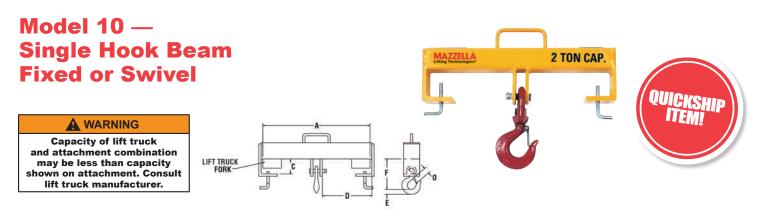
	Specifications													
Model		Mainht												
Number Fixed	Number Swivel	Capacity (lbs.)	А	В	C Fixed	C Swivel	D	0	Weight (Ibs.)					
5-1 1/2-4	5S-1 1/2-4	3,000	4-1/2	2-1/2	4-11/16	6-9/16	1	1	7					
5-1 1/2-5	5S-1 1/2-5	3,000	5-1/2	2-1/2	4-11/16	6-9/16	1	1	8					
5-1 1/2-6	5S-1 1/2-6	3,000	6-1/2	2-1/2	4-11/16	6-9/16	1	1	9					



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

16



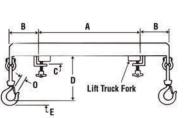


	Specifications													
Model	Model	Rated			Dir	mensions (incl	nes)			M/a i sub f				
Number Fixed	Number Swivel	Capacity (Ibs.)	A	С	D	F Fixed	F Swivel	E	0	Weight (Ibs.)				
10-2-20	10S-2-20	4,000	20	3-1/4	9-1/8	7-1/4	8-7/8	1-1/8	1-5/32	21				
10-5-24	10S-5-24	10,000	24	3-1/4	10-3/4	9-1/4	11-7/16	1-13/16	1-11/16	42				
10-5-36	10S-5-36	10,000	36	3-1/4	16-3/4	9-1/4	11-7/16	1-13/16	1-11/16	80				
10-7.5-36	10S-7.5-36	15,000	36	4-1/4	16-1/4	13-3/4	15-3/4	2-1/4	2-7/32	166				
10-10-36	10S-10-36	20,000	36	4-1/4	16	14-5/8	16-7/16	2-19/32	2-13/32	180				
10-15-36	10S-15-36	30,000	36	4-1/4	15-7/8	14-1/2	16-5/16	2-19/32	2-13/32	210				

Model 15 — Double Hook Beam Swivel



Capacity of lift truck and attachment combination may be less than capacity shown on attachment. Consult lift truck manufacturer.





			Spe	cification	S			
Model	Rated			Dimensior	ns (inches)			Weight
Number	Capacity (lbs.)	А	В	С	D	E	0	(lbs.)
15-2-20	4,000	20	6-5/8	2-1/2	10-3/8	1-7/16	1-11/32	60
15-5-24	10,000	24	9-3/8	2-1/2	11-21/32	1-7/16	1-11/32	68

WARNING





Models FB — Telescopic Fork Lift Booms

The Fixed Boom, Model FB, has a telescoping boom with a maximum horizontal reach of 12 feet. This model is available in 3,000, 4,000, 6,000 and 8,000 lb. capacities.

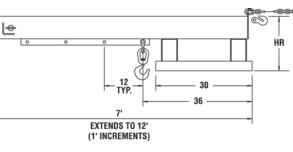
Product Features:

- Alternate hook positions.
- Telescoping boom.
- Restraining chain with grab hook.
- Handle at end for easy extension.
- Fixed or swivel hooks available.
- Boom locking t-pin.

WARNING Capacity of lift truck and attachment combination may be less than capacity shown on attachment. Consult lift truck manufacturer.



Model FB Fixed Type Fork Lift Boom





NOTE: All dimensions on drawings shown in inches unless stated.

	Specifications														
Model		Di	mensions (i	n.)			Max	cimum Capa	city @ Hoo	k Position (I	bs.)		Weight		
Number	A B	С	HR	0	3'-6'	7'	8'	9'	10'	11'	12'	(lbs.)			
FB-30	2-1/2	7-1/2	7-1/2	22	16	1.00	3,000	3,000	2,600	2,200	1,900	1,600	1,500	340	
FB-40	2-1/2		22	16	1.09	4,000	3,200	2,600	2,200	1,900	1,600	1,500	340		
FB-60	2-1/2	7-1/2	22	17	1.36	6,000	5,000	4,200	3,500	3,000	2,700	2,500	390		
FB-80	2-1/2	1-1/2	22	18	1.61	8,000	7,000	5,700	4,800	4,100	3,600	3,100	520		

NOTE: Models FB-30 and FB-40 are only available with swivel hooks.

WARNING





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Models EB — Fixed Length Fork Lift Booms

Use efficient, economical Fixed Length Boom attachment when telescoping is not required.

Product Features:

- Fixed length.
- Restraining chain with grab hook.

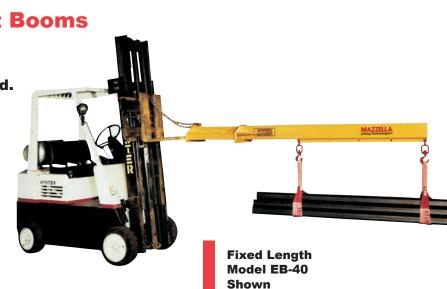
EB-15 – Lightweight:

- Accepts up to a 2" wide sling.
- Optional swivel hook available.

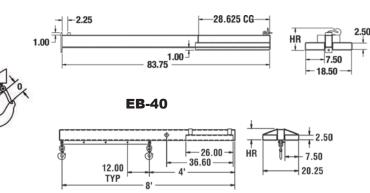
EB-40 – Fixed Length:

- 5 alternate hook positions.
- Fixed or swivel hooks available.





EB-15





NOTE: All dimensions on drawings shown in inches unless stated.

	Specifications												
Model	Maximum	Headroom	Hook		Maximum Ca	apacity @ Hook P	osition (lbs.)		Weight				
Number	Capacity (lbs.)	HR (in.)	Opening O (in.)	4'	5'	6'	7'	8'	(lbs.)				
EB-15	1,500	7.00	1.00						185				
EB-40	4,000	6.30	1.09	4,000	3,500	3,000	2,500	2,000	240				

WARNING



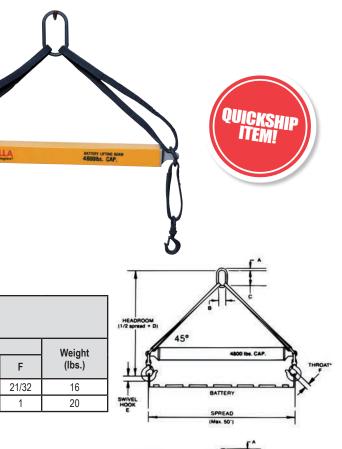


Models 36 & 36E — Fiberglass Battery Lifting Beams

Used for applications that require a non-conductive beam such as lifting industrial fork lift truck batteries.

Product Features:

- Lightweight units—70% lighter than other beams.
- Models are available for handling batteries of equal length or of different lengths.
- Heavy duty 4,800 lb. and 7,000 lb. capacities.
- Non-conductive fiberglass beam construction.
- Acid-resistant, coated polyester straps and hooks.
- Standard drop sling length is 10", other lengths available upon request.



	S	Specifica (Bat	tions teries				ced		
Model Number	Rated Capacity (Ibs.)	Standard Spread (in.)	A	F	Weight (Ibs.)				
36-2.4	4,800	36	5/8	3	6	11	27/32	21/32	16
36-3.5	7,000	36	3/4	2-3/4	5-1/2	12	1	1	20

NOTE: For battery beams other than standard spread. Measure distance between lifting points. Specify Model 36 with beam spread (in even inches) equal to length measured.

	Spe	cificatio (Batte			I 36E: ent Ler	-	stabl	e					
Model Number	Canacity Shread												
36E-2.4	4,800	36	5/8	3	6	21	1	1	17				
36E-3.5 7,000 36 3/4 2-3/4 5-1/2 22-1/2 1-1/8 1-1/8													

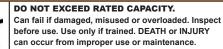
NOTE: For Model 36E lifting beams, battery length cannot differ more than 6 inches from length of beam spread. For battery beams other than standard spread. Take average of shortest and longest batteries, and specify Model 36E with beam spread (in even inches) equal to average lengths. Battery length must be within 12 inches, shortest to longest.

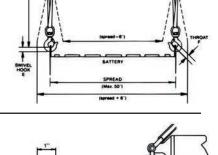
OPTION J:

J-Hooks available in place of swivel hooks at a reduced cost. Available upon request.

NOTE: When ordering J-Hook option show Model 36 as 36J, and Model 36E as 36EJ.







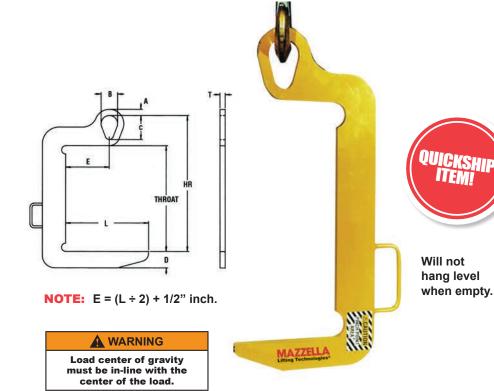
45



Model 82NC — Narrow Coil C-Hook

Product Features:

- Handles narrow coils with less coil damage.
- 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.



Specifications Dimensions (inches) Bail Dimensions Lifting Arm Plate Model Capacity Weight Coil HR Number (tons) (lbs.) Width Throat Length Depth Headroom Α В С Т Max. D L 82NC-1/2-8 8 14-1/2 8 2-1/4 18-1/2 13/16 2 3-1/4 1/2 14 1/2 82NC-1/2-12 12 14-1/2 12 2-5/8 18-1/2 13/16 2 3-1/4 1/2 17 8 17-1/2 8 21-1/2 13/16 1/2 15 82NC-1-8 2 2 3-1/4 1 2-1/2 13/16 82NC-1-16 16 17-1/2 16 21-1/2 2 3-1/4 1/2 20 3/4 82NC-2-8 8 19-1/2 8 2-1/8 24-9/16 2-9/16 4-1/16 22 1 2 82NC-2-16 16 19-1/2 16 3 24-9/16 2-9/16 4-1/16 3/4 40 1 12 21-1/2 12 2-7/8 28-1/8 1-3/16 5-5/16 50 82NC-3 1/2-12 3-5/8 1 3-1/2 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 16 25-1/2 16 3-1/2 32-13/16 1-1/2 4 5-13/16 1-1/4 94 5 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 Product Features:** Т Easy horizontal to vertical upending of coils. ST Pivoting wedge for easy tilting of stacked coils. MAX. MAX. Wedge acts as retainer. RADIAL WIDTH Efficient and easy to use. Popular for use with small, lightweight coils. For use where overhead clearance U is limited. Specially designed heat treated n pivoting wedge. Complies with ASME standards.

Specifications													
Madal	Conseitu				Dim	ensions (inc	hes)						
Model Number	Capacity (tons)	Max. Width	Max. Radial	Min. I.D.	A	В	с	D	т	w	Weight (lbs.)		
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		

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.

WARNING





Model 82 — **Heavy Duty C-Hook 10TON CAP.** 1 0 **Product Features:** Designed for heavy duty applications. High tensile alloy steel plate reduces physical size and weight. Counter balanced to hang level when empty. COIL WIDTH í Inside radius on hooks avoid coil edge contact. Curved coil saddle is standard. Guide handles for ease of hook positioning. UL'ATT Handles a wide range of coil widths. Available with optional padding HR 0 GUIDE for additional coil protection. THROAT HANDLES Complies with ASME standards. D

Center of the hoist and bail must be in-line with the

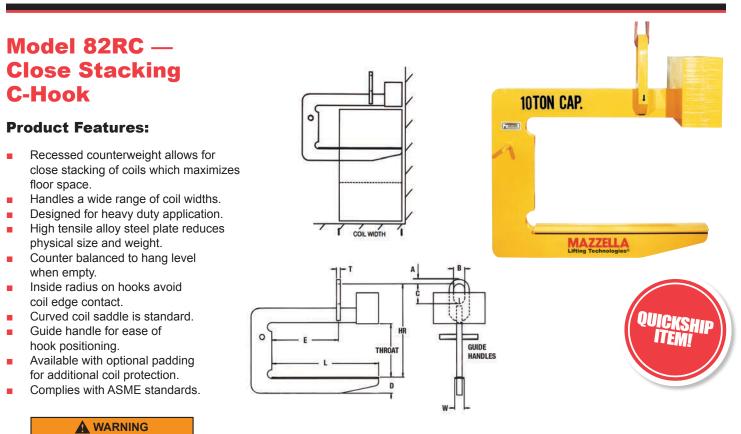
load's center of gravity.

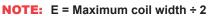


	Specifications													
						Dim	ensions (in	ches)						
Model	Capacity	Coil I	Nidth			Lifting Arm				Bail Dim	ensions		Weight	
Number	(tons)	COIL	Math	Throat	Length	Depth	Width	HR Headroom		Opening		Thk.	(lbs.)	
		Max.	Min.		L	Ď	W	liouuroom	Α	В	C	Т		
82-5-36 82-5-48 82-5-60	5	36 48 60	24 30 36	24 24 24	30 39 48	5-5/16 6-1/8 6-9/16	4 4 4	37-3/8 38 38-1/2	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/4 1-1/4 1-1/4	420 584 680	
82-7 1/2-36 82-7 1/2-48 82-7 1/2-60	7-1/2	36 48 60	24 30 36	24 24 24	30 39 48	5-5/8 6-5/16 6-15/16	4 4 4	37-1/2 38-1/4 39	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/2 1-1/2 1-1/2	615 774 942	
82-10-48 82-10-60 82-10-72	10	48 60 72	30 36 42	24 24 24	39 48 57	7-1/4 7-1/2 7-1/4	4 4 4	41-1/4 41-3/8 42-1/2	2 2 2	5 5 5	9 9 9	1-3/4 1-3/4 1-3/4	928 1,295 1,616	







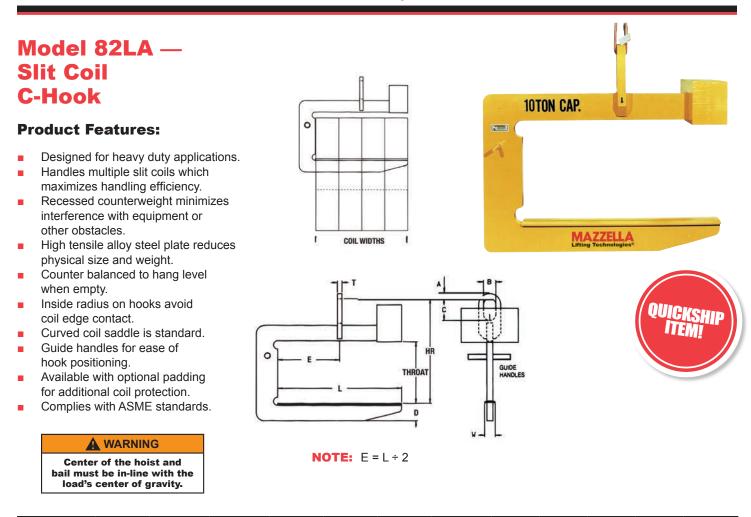


	Specifications												
						Dim	ensions (in	ches)					
Model	Capacity	Coilly	Nidth			Lifting Arm				Bail Dim	ensions		Weight
Number	(tons)	Cont	Math	Throat	Length	Depth	Width	HR Headroom		Opening		Thk.	(lbs.)
	82RC-5-36	Max.	Min.		Ľ	Ď	W	neadroom	Α	В	C	Т	
82RC-5-36 82RC-5-48 82RC-5-60	5	36 48 60	24 30 36	24 24 24	30 39 48	5-5/16 6-1/8 6-15/16	4 4 4	37-1/4 38-1/16 38-15/16	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/4 1-1/4 1-1/4	550 707 853
82RC-7 1/2-36 82RC-7 1/2-48 82RC-7 1/2-60	7-1/2	36 48 60	24 30 36	24 24 24	30 39 48	5-5/8 6-3/8 6-15/16	4 4 4	37-1/2 38-1/4 39	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/2 1-1/2 1-1/2	750 996 1,161
82RC-10-48 82RC-10-60 82RC-10-72	10	48 60 72	30 36 42	24 24 24	39 48 57	7-3/16 7-5/8 7-1/4	4 4 4	41-1/4 41-1/2 41-1/8	2 2 2	5 5 5	9 9 9	1-3/4 1-3/4 1-3/4	1,200 1,645 2,100



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





				;	Specifi	cations	5					
					[Dimensions (i	inches)					
Model	Capacity	Coil Width			Lifting Arm				Bail Dim	ensions		Weight
Number	(tons)	Coll Width	Throat	Length	Depth	Width	HR Headroom		Opening		Thk.	(lbs.)
		Max.		L	Ď	W	neudroom	Α	В	С	T	
82LA-5-36 82LA-5-48 82LA-5-60	5	36 48 60	24 24 24	36 48 60	5-5/16 6-1/8 6-9/16	4 4 4	37-1/4 38 38-9/16	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/4 1-1/4 1-1/4	450 555 649
82LA-7 1/2-36 82LA-7 1/2-48 82LA-7 1/2-60	7-1/2	36 48 60	24 24 24	36 48 60	5-5/8 6-5/16 7-1/8	4 4 4	37-5/8 38-5/16 38-7/8	1-1/2 1-1/2 1-1/2	4 4 4	7 7 7	1-1/2 1-1/2 1-1/2	496 731 898
82LA-10-48 82LA-10-60	10	48 60	24 24	48 60	7-3/16 7-5/16	4 4	41-1/8 41-1/8	2 2	5 5	9 9	1-3/4 1-3/4	932 1,281

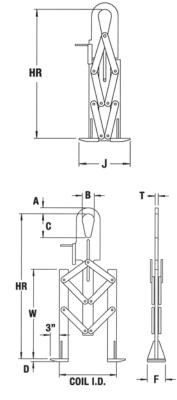




Model 83EW — Extended Width Vertical "Eye" Coil Lifter

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.





					S	pecifi	catio	ns						
						C	Dimension	s (inches)						
Model Number	Capacity (tons)	Coil	I.D.	Coil Width		HR Bail Dimensions Foot Dimensions							Weight (Ibs.)	
		Min.	Max.	width	Open	Closed	Α	В	С	Т	F	D	J	
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/									15-1/2	170	





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.

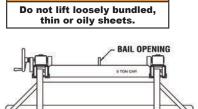
BUNDLE

WIDTH

- 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).



96"





10 TON CAP

5T0

				Spe	cificatio	ons					
					Dimens	sions (inches)					
Model Number	Capacity (tons)	Bundle	e Width	HR	Shoe	Min. Aisle		Bail O	pening		Weight (Ibs.)
Number	(((0)))	Min.	Max.	Headroom	D	MIII. AISIe	Α	В	С	Т	(155.)
60-3-48 60-3-60 60-3-72	3	16 16 16	48 60 72	28	2.63	9	1.5	3	5	0.75	920 950 980
60-5-48 60-5-60 60-5-72 60-5-84 60-5-96	5	16 16 16 16 16	48 60 72 84 96	29	2.63	9	2	4	6	1	1,125 1,170 1,220 1,270 1,550
60-10-48 60-10-60 60-10-72 60-10-84 60-10-96	10	16 16 16 16 16	48 60 72 84 96	30	3.5	11	2	4	7	1.5	1,510 1,570 1,640 1,700 1,770
60-15-48 60-15-60 60-15-72	15	16 16 16	48 60 72	32	3.5	12	2.5	5	9	1.5	1,570 1,640 1,700



HR

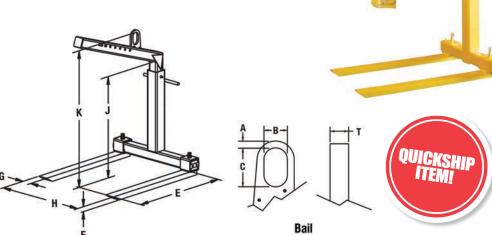
- D



Model 90ACL — **Adjustable Load Lifter** Use your crane to handle a wide range of loads. **Product Features: Close-up of adjustable fork** 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.



Bail Stop Pin

							S	pec	ifica	atio	ns									
									Din	nensior	ns (inch	nes)								
Model Number	Rated Capacity (tons)		Fork Bail Throat HR Head- throat HR Head- room room room (at min. (at mid. (at mid. throat) throat) throat					om nax.	Weight (Ibs.)											
		Е	E	G	ŀ	ł		в	6	T		J		ŀ	(ł	<	ŀ	(
			Г		Min.	Max.	A				Min.	Mid.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
90-ACL-2	2	43.00	13.00 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										

WARNING





Model 90 — BxC **Standard Fixed Forks 2TON CA Pallet Lifter Product Features:** Converts overhead crane to lift truck. HR Counter balanced to hang level when empty. Maintenance free. Allows for ease of loading / unloading in not easily accessible areas. Complies with ASME standards.

				S	pecifi	cation	S					
						Dimensio	ns (inches)					
Model Number	Capacity (tons)		Fo	rks		E	Ba	ail Dimensio	ns	J*	HR	Weight (Ibs.)
		L	М	N	W	1	A	В	С	1		
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

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

WARNING

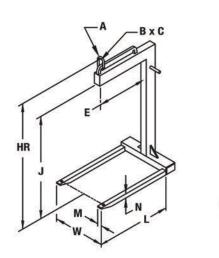




Model 94 — Lightweight **Pallet Lifter**

Product Features:

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





				S	pecifi	cation	S					
						Dimension	ns (inches)					
Model Number	Capacity (tons)		Fo	rks		Е	Ba	ail Dimensio	ns		HR	Weight (Ibs.)
Humber	(10113)	L	М	N	W		Α	В	С	J	пк	(153.)
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

0

Z

Model BT — **Beam Tongs**

Product Features:

- Tong provided with lifting shackle.
- Load must be balanced and controlled when lifting.
- Use only for vertical lifting.
- For added stability when handling longer loads, use in pairs with a spreader beam.
- Complies with ASME standards.

		Specifi	cations		
Model	Rated	Dimensior	ns (inches)		Weight
Number	Capacity (tons)	Beam Width Min Max.	Max. Flange Thickness	Headroom	(lbs.)
111 - 1	1	5 - 6	5/8	17	15
111 - 2	2	6.50 - 8	3/4	19	18
111 - 3	3	7.50 - 10	3/4	19	21







Model PLT — Adjustable **Pipe Tongs** 1000 LBS. CAP **Product Features:** Pipe Tongs are made of sturdy construction to handle pipe, round bars and cast pipe. Tongs are provided with steel curved gripping arms. Optional replaceable polyurethane pads available to protect smooth or 0 polished surfaces. Load must be balanced and controlled when lifting. ΠŦ PAD DIA WIDT Use in pairs with a lifting / spreader Fixed beam for added stability. Complies with ASME standards. Use only for vertical lifting.

		Specificat	ions — Fixed	Diameter		
Model Number	Rated Capacity (lbs.)	Dia. (in.)	HR Headroom (in.)	A (in.)	В (in.)	Weight (Ibs.)
108-1/2-5	1,000	5	15.50	0.5	1.31	17
108-1-8	2,000	8	23.50	0.5	1.31	25

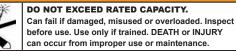
		Spe	cifications	s — Adjusta	able Diam	eter		
Model Number	Rated Capacity (Ibs.)	Bare Steel Range MinMax. (in.)	Urethane Pad Range MinMax. (in.)	HR Headroom MinMax. (in.)	Pad Width (in.)	A (in.)	B (in.)	Weight (Ibs.)
108-1/2-2/4	1,000	2 - 4	1.25 - 3.25	11.21 - 15.15	2.25	0.5	1.31	8
108-1-4/8	2,000	4 - 8	3.25 - 7.25	19.18 - 26.49	5	0.5	1.31	29
108-1-7/12	2,000	7 - 12	6.25 - 11.25	25.95 - 35.81	6	0.5	1.31	49
108-1-10/15	2,000	10 - 15	9.25 - 14.25	30.03 - 38.67	6	0.5	1.31	77





Operation:



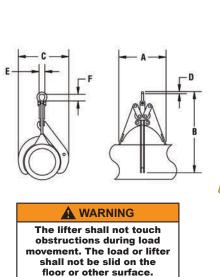




Model C&S — Pipe Grabs

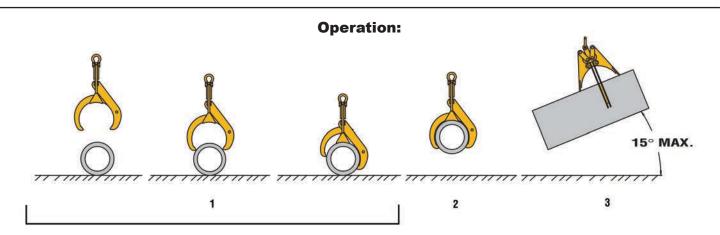
Product Features:

- Heavy duty automatic clamping design.
- Outriggers stabilize the pipe during lift.
- No blocking is required.
- The operator only has to guide the clamp into place.
- Pipes are handled quickly and efficiently when properly balanced.
- Excellent for cast iron, steel pipe, tubing, and other cylindrical objects.
- Pipe grab sizes listed handle ASA cast iron pipe — standard, extra strong, and double strong (all have same O.D.).
- Complies with ASME standards.





				Specifi	cation	S					
Rated	Cast	Iron	St	eel			Dimension	ns (inches)			M/sinh4
Capacity (Ibs.)	Model Number	Pipe O.D. (in.)	Model Number	Pipe O.D. (in.)	A	В	с	D	E	F	Weight (Ibs.)
450	C - 3	4.0	S - 3	3.5	5	10	6	0.38	1.03	1.44	7
600	C - 4	4.8	S - 4	4.5	8	14	7	0.44	1.16	1.69	9
1,000	C - 6	6.9	S - 6	6.63	11	17	11	0.50	1.31	1.88	15
1,400	C - 8	9.05	S - 8	8.63	13	22	14	0.50	1.31	1.88	25



- 1. Lower the grab and place on pipe. As rope is loosened grab will open and seat on pipe.
- 2. Lift slowly with grab engaged to check for balance.
- 3. Load should be level when transported. Maximum of 15° angle when positioning pipe.

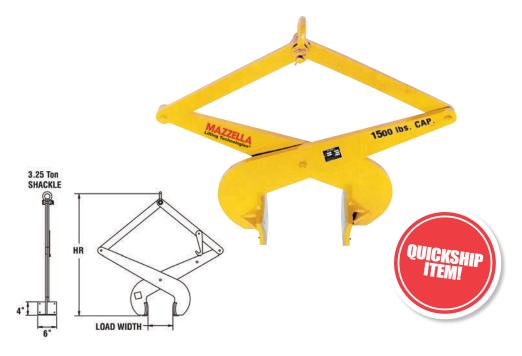




Model ST — Slab Tongs

Product Features:

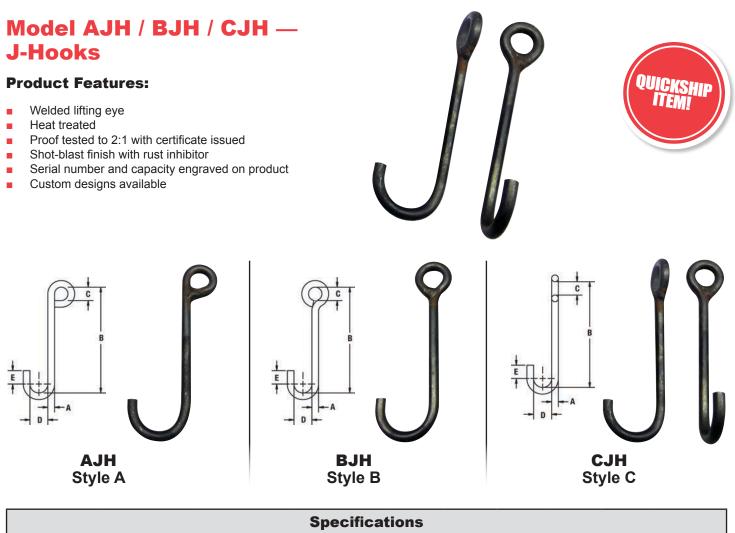
- Designed for lifting dry slabs of concrete, stone, or metal that must be protected from scratching or marring.
- Use in construction work to position slabs.
- The curved pads give proper contact for gripping smooth surfaces and handling a large range of sizes.
- Polyurethane gripping surfaces are standard.
- A manual latch is standard and locks the tong arms for easy placement on the load.
- Complies with ASME standards.



		Specifications		
Model Number	Rated Capacity (lbs.)	Load Width (in.) Min Max.	HR Headroom (in.) Min Max.	Weight (Ibs.)
71-0	1,000	1 - 6	31.30 - 39.58	65
71-1	1,000	6 - 10	29.00 - 41.00	75
71-2	1,500	8 - 12	23.40 - 34.90	85
71-3	1,500	10 - 14	28.60 - 41.20	145
71-4	1,500	14 - 18	36.80 - 49.80	145
71-5	1,500	18 - 22	45.40 - 60.10	150

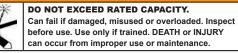






	Specifications Style A Style B Working Load Limit D D D E Weight													
Style A Model Number	Style B Model Number	Style B Model Number	Working Load Limit (lbs.)	А	В	с	D	E	Weight (Ibs.)					
AJH-2-031	BJH-2-031	CJH-2-031	250	0.31	5	0.75	1.25	0.25	0.3					
AJH-3-038	BJH-3-038	CJH-3-038	350	0.38	6	0.75	1.50	0.38	0.4					
AJH-6-050	BJH-6-050	CJH-6-050	650	0.50	8	0.75	2.00	0.50	1.0					
AJH-8-063	BJH-8-063	CJH-8-063	850	0.63	9	1.00	2.50	0.63	1.6					
AJH-12-075	BJH-12-075	CJH-12-075	1,200	0.75	10	1.00	3.00	0.75	2.6					
AJH-15-088	BJH-15-088	CJH-15-088	1,500	0.88	12	1.00	3.50	0.88	4.0					
AJH-20-100	BJH-20-100	CJH-20-100	2,000	1.00	14	1.25	4.00	1.00	6.2					
AJH-22-113	BJH-22-113	CJH-22-113	2,250	1.13	15	1.25	4.50	1.12	8.5					
AJH-27-125	BJH-27-125	CJH-27-125	2,750	1.25	16	1.50	5.00	1.25	12					
AJH-30-138	BJH-30-138	CJH-30-138	3,000	1.38	17	1.50	5.50	1.38	15					
AJH-35-150	BJH-35-150	CJH-35-150	3,500	1.50	18	2.00	6.00	1.50	20					
AJH-40-175	BJH-40-175	CJH-40-175	4,000	1.75	20	2.50	7.00	1.75	31					
AJH-50-200	BJH-50-200	CJH-50-200	5,000	2.00	24	3.00	8.00	2.00	53					

A	WARNIN	G

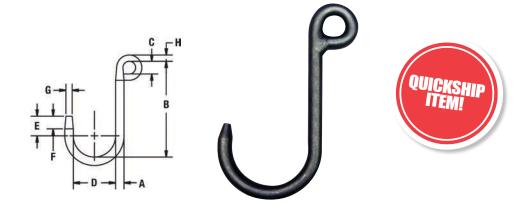




Model FH — Foundry Hook

Product Features:

- Welded lifting eye
- Heat treated
- Proof tested to 2:1 with certificate issued
- Shot-blast finish with rust inhibitor
- Serial number and capacity engraved on product
- Custom designs available



Specifications											
Model Number	Working Load Limit (lbs.)	Dimensions (inches)								Weight	
		А	В	С	D	E	F	G	Н	(lbs.)	
FH-5-050	500	0.50	6.00	0.75	2.50	0.75	0.71	0.25	0.50	1	
FH-8-063	800	0.63	8.50	0.75	3.50	1.50	0.89	0.31	0.50	2	
FH-13-075	1,300	0.75	8.50	0.75	3.50	1.50	1.06	0.38	0.50	2.6	
FH-16-088	1,600	0.88	8.50	0.88	3.50	1.50	1.06	0.50	0.75	3.5	
FH-25-100	2,500	1.00	8.50	1.00	4.00	1.75	1.42	0.50	0.75	5	
FH-35-113	3,500	1.13	8.50	1.00	4.00	2.00	1.60	0.56	0.75	6.5	
FH-45-125	4,500	1.25	8.50	1.25	4.00	2.00	1.77	0.63	1.00	8.8	
FH-60-150	6,000	1.50	8.50	1.25	5.00	2.50	2.13	0.75	1.00	14	



PLEASE NOTE!

THESE ITEMS ARE CUSTOM-MADE AND ARE <u>NOT</u> PART OF OUR QUICKSHIP PROGRAM. CALL 1-800-362-4601 FOR DETAILS!

No Touch Hand Tools & Devices

No touch hand tools descriptions:

- **1.** Position device, 3/8" x 24", "Hook" style with closed handle, 1018 material, painted safety yellow.
- 2. Position device, 1/4" x 12", "S" style hook with wood handle, 1018 material, painted safety yellow.
- **3.** Position device, 1/4" x 24", "Double Open" style hook with bicycle handle, 1018 material, painted safety yellow.
- **4.** Position device, 1/4" x 12", "M Hook", 1018 material, painted safety yellow.
- 5. Position device, 1/4" x 12", "Open C Hook", 1018 material, painted safety yellow.
- 6. Position device, 1/4" x 12", "Hook", 1018 material, painted safety yellow.
- **7.** Position device, 1/4" x 12", "Double S Hook", 1018 material, painted safety yellow.
- 8. Position tool, 1/4" x 12", "Staggered Double Hook", painted safety yellow.
- Bolt-on or weld-on handles for Master Rings eliminates pinch points between crane hook and master ring. Available for 1" thru 2-3/4" master rings.
- Position device, nylon web tag line 18" with Velcro[®] and 1/4" steel rod. All straps use nylon to keep them together. Also available in 36" length.
- Position device, nylon web tag line 18" with Velcro[®] and PVC stiffener. All straps use nylon to keep them together. Also available in 36" length.
- **12.** Position tool, 1/4" x 12", "Staggered Double Hook" style with plastic handle, painted safety yellow.
- **13.** Position device, nylon—chain, 1" round sleeve with Velcro lightener for 3/8" chain with handle.
- **14.** Position device, nylon web tag line 6" with Velcro[®] and PVC stiffener. All straps use nylon to keep them together. Also available with 1/4" steel rod in place of PVC stiffener.



All above devices are available in various lengths and handle types contact your local Lifting Specialist for more details.

WARNING



ENGINEERED PRODUCTS QUICKSHIP PROGRAM

All items ship in 10 working days—unless otherwise specified Note: Excludes Weekends & Holidays

> Call your local Mazzella Companies location to place your order today!



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