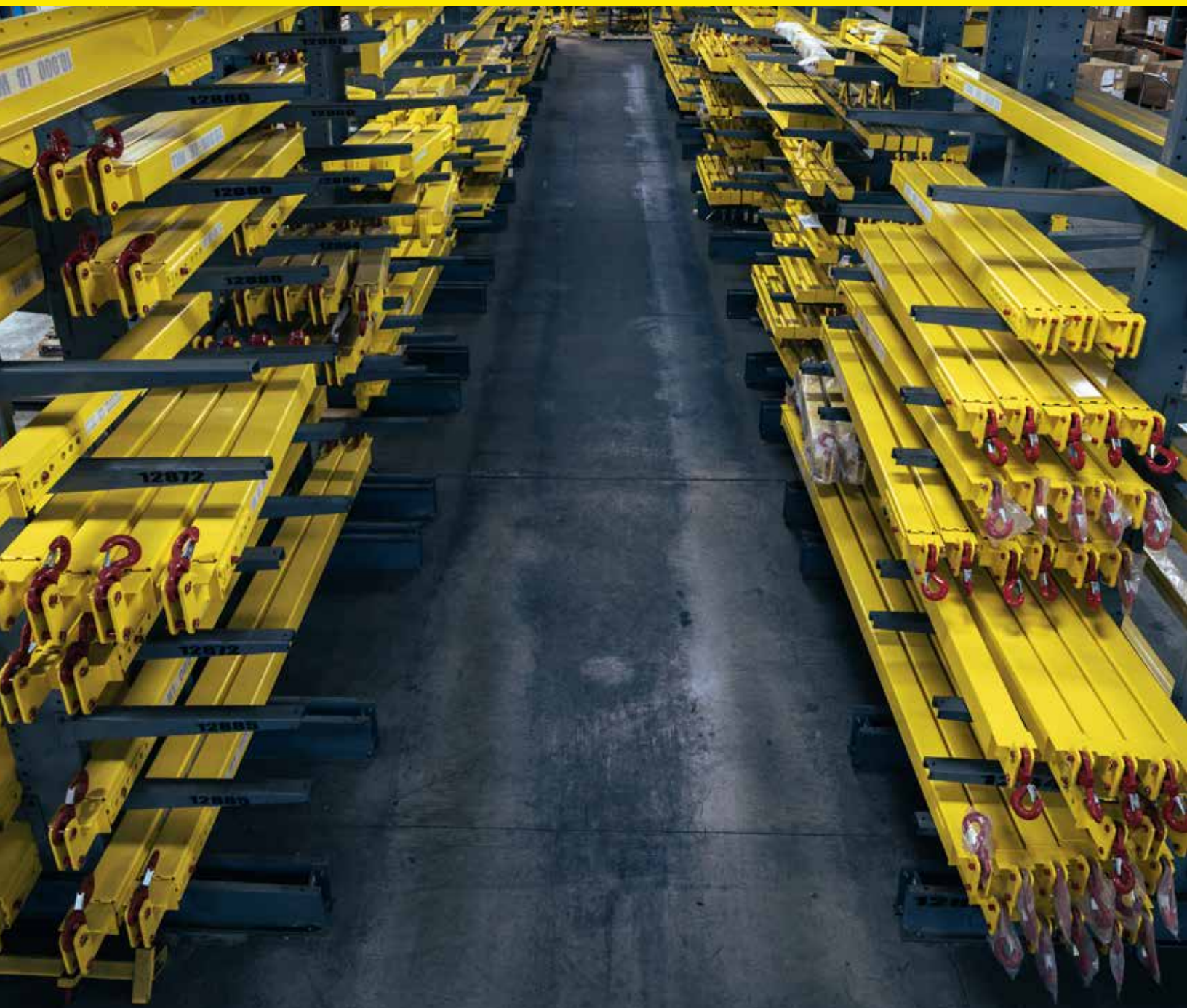


2026 CATALOG

MADE IN
THE USA 



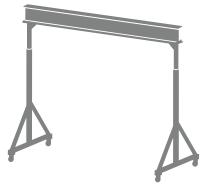

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CRANES
PAGES 4 - 5



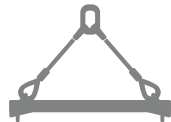
LIFTING BEAMS
PAGES 6 - 32 ★ ★



MATERIAL BASKETS
PAGES 34 - 37 ★ ★



SYNTHETIC SLINGS
PAGES 38 - 39



SPREADER BEAMS
PAGES 40 - 46



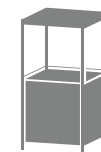
**FORK LIFT
ATTACHMENTS**
PAGES 47 - 54 ★ ★



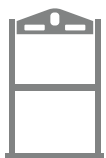
PLATE CLAMPS
PAGES 55 - 57



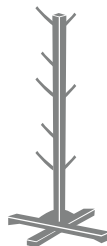
LIFTING HOOKS
PAGES 58 - 73



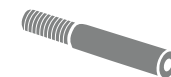
**PERSONNEL
BASKETS**
PAGES
74 - 78



**BARREL,
DRUM,
CYLINDER &
BUCKET
LIFTING**
PAGES 80 - 84



**RIGGING
STORAGE**
PAGES 86 - 90



**WIRE ROPE
TERMINATIONS**
PAGES 92 - 95



★ ★ CONTAINS NEW OR
UPDATED PRODUCTS

TABLE OF CONTENTS



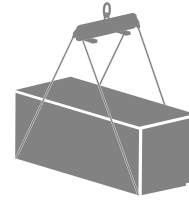
PALLET LIFTERS

PAGES 96 - 101



BOTTLE LIFTERS

PAGE 103 ★★



CONTAINER LIFTING

PAGES 104 - 105



LIFTING TONGS

PAGES 106 - 107



COIL LIFTERS

PAGES 108 - 110



MATERIAL WORK STANDS

PAGE 111



CONCRETE PIPE LIFTING

PAGES 112 - 113



MATERIAL HANDLING

PAGES 114 - 119 ★★



BEAM CLAMPS

PAGES 120 - 123



SYNTHETIC TRIANGLES & CHOKERS

PAGES 124 - 125



CONCRETE BARRIER LIFTER

PAGE 126



WIRE & CHAIN MESH TRIANGLES & CHOKERS

PAGES 127 - 129

★★

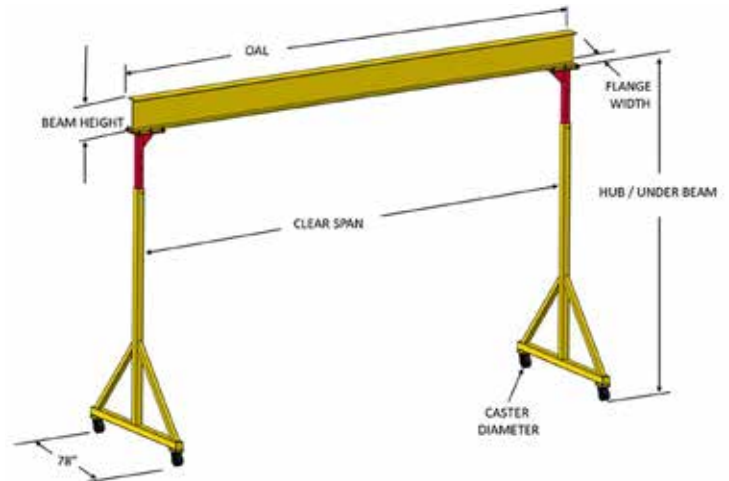


SLING INSPECTION HOOK

PAGES 130 - 131

- Bolt on top beam
- Sold with phenolic casters
- Options: Caster brakes, bolt on end stops, bolt on taglines, and trollies

 Prop 65 – See Page 112



Part #	Capacity	Hub (Under Beam)	Height Adjustments	Overall Length (OAL)	Clear Span	Flange Width	Beam Height	Caster Diameter	Weight
24943	1 Ton (2,000 LBS)	7'-10'	6"	10'	108"	4"	6"	6"	912
24942	1 Ton (2,000 LBS)	9'-12'	6"	10'	108"	4"	6"	6"	949
24941	1 Ton (2,000 LBS)	12'-15'	6"	10'	108"	4"	6"	6"	1005
24940	1 Ton (2,000 LBS)	7'-10'	6"	15'	168"	5.25"	8.1"	6"	1070
24939	1 Ton (2,000 LBS)	9'-12'	6"	15'	168"	5.25"	8.1"	6"	1107
24938	1 Ton (2,000 LBS)	12'-15'	6"	15'	168"	5.25"	8.1"	6"	1163
24937	1 Ton (2,000 LBS)	7'-10'	6"	20'	228"	5.77"	10.3"	6"	1323
24936	1 Ton (2,000 LBS)	9'-12'	6"	20'	228"	5.77"	10.3"	6"	1361
24935	1 Ton (2,000 LBS)	12'-15'	6"	20'	228"	5.77"	10.3"	6"	1416
24933	3 Ton (6,000 LBS)	7'-10'	6"	10'	108"	5.77"	10.3"	6"	1054
24932	3 Ton (6,000 LBS)	9'-12'	6"	10'	108"	5.77"	10.3"	6"	1095
24927	3 Ton (6,000 LBS)	12'-15'	6"	10'	108"	5.77"	10.3"	6"	1150
24931	3 Ton (6,000 LBS)	7'-10'	6"	15'	168"	6.56"	12.5"	6"	1329
24930	3 Ton (6,000 LBS)	9'-12'	6"	15'	168"	6.56"	12.5"	6"	1370
24926	3 Ton (6,000 LBS)	12'-15'	6"	15'	168"	6.56"	12.5"	6"	1422
24929	3 Ton (6,000 LBS)	7'-10'	6"	20'	228"	7.04"	16.1"	6"	1710
24928	3 Ton (6,000 LBS)	9'-12'	6"	20'	228"	7.04"	16.1"	6"	1740
24930	3 Ton (6,000 LBS)	12'-15'	6"	20'	228"	7.04"	16.1"	6"	1806
24953	5 Ton (10,000 LBS)	7'-10'	6"	10'	107"	7.04"	16.3"	6"	1573
24952	5 Ton (10,000 LBS)	9'-12'	6"	10'	107"	7.04"	16.3"	6"	1661
24951	5 Ton (10,000 LBS)	12'-15'	6"	10'	107"	7.04"	16.3"	6"	1792
24950	5 Ton (10,000 LBS)	7'-10'	6"	15'	167"	9.02"	24.1"	6"	2380
24949	5 Ton (10,000 LBS)	9'-12'	6"	15'	167"	9.02"	24.1"	6"	2470
24948	5 Ton (10,000 LBS)	12'-15'	6"	15'	167"	9.02"	24.1"	6"	2590
24947	5 Ton (10,000 LBS)	7'-10'	6"	20'	227"	9.02"	24.1"	6"	2792
24946	5 Ton (10,000 LBS)	9'-12'	6"	20'	227"	9.02"	24.1"	6"	2880
24955	5 Ton (10,000 LBS)	12'-15'	6"	20'	227"	9.02"	24.1"	6"	3015

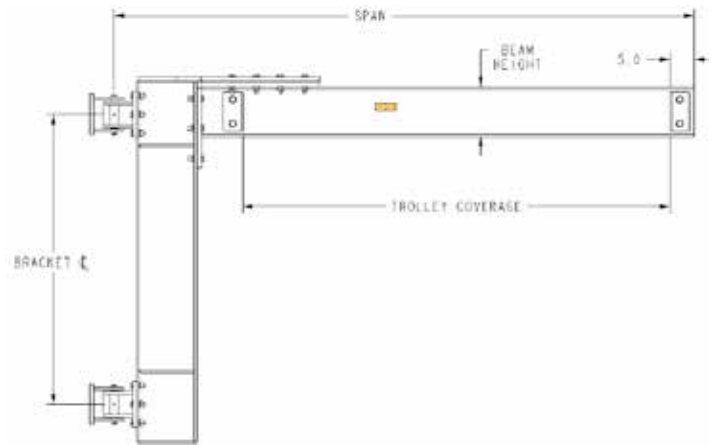
CRANES

Wall Mounted Cantilever Jib Cranes

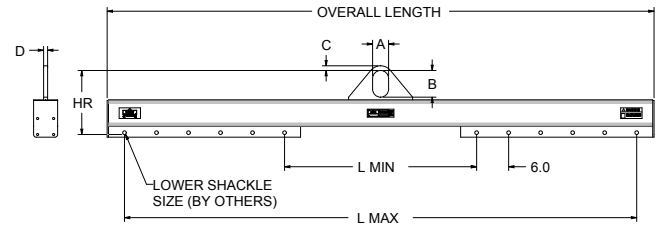
EACH CRANE COMES STANDARD WITH:

- Bolt together design for ease of shipping & install
- 4 trolley end stops
- Touch up paint
- Drill template for hinge bolt pattern
- Powder coat yellow
- Options: Rotation stops, tag line, color

 Prop 65 – See Page 112



Part #	Capacity	Span	Bracket CL	Beam Height	Flange Width	Trolley Coverage	Thrust / Pull	Weight
25733	1/2 Ton (1,000 LBS)	8'	4'	8.1"	5.3"	64.5"	2,965	780
25734	1/2 Ton (1,000 LBS)	10'	4'	8.1"	5.3"	88.5"	3,867	815
25735	1/2 Ton (1,000 LBS)	12'	4'	8.1"	5.3"	112.5"	4,616	855
25736	1/2 Ton (1,000 LBS)	14'	4'	8.1"	5.3"	136.5"	5,382	890
25737	1/2 Ton (1,000 LBS)	16'	4'	10.3"	5.8"	160.5"	6,471	1050
25738	1/2 Ton (1,000 LBS)	18'	4'	10.3"	5.8"	184.5"	7,352	1100
25739	1/2 Ton (1,000 LBS)	20'	6'	12.3"	6.5"	209"	5,665	1295
25740	1 Ton (2,000 LBS)	8'	4'	8.1"	5.3	64.5"	5,797	780
25741	1 Ton (2,000 LBS)	10'	5'	10.3"	5.8	88.5"	5,801	960
25742	1 Ton (2,000 LBS)	12'	5'	10.3"	5.8	112.5"	7,010	1010
25743	1 Ton (2,000 LBS)	14'	5'	10.3"	5.8	136.5"	8,135	1030
25744	1 Ton (2,000 LBS)	16'	6'	12.3"	6.5	160.5"	7,849	1175
25745	1 Ton (2,000 LBS)	18'	6'	16.4"	7.1	180.5"	9,708	1895
25488	1 Ton (2,000 LBS)	20'	6'	16.4"	7.1	204.5"	10,969	2010
25746	2 Ton (4,000 LBS)	8'	4'	12.3"	6.5	63.5"	11,239	910
25747	2 Ton (4,000 LBS)	10'	4'	12.3"	6.5	87.5"	13,909	975
25748	2 Ton (4,000 LBS)	12'	4'	12.3"	6.5	111.5"	16,646	1035
25749	2 Ton (4,000 LBS)	14'	5'	16.4"	7.1	131.5"	16,139	1670
25750	2 Ton (4,000 LBS)	16'	6'	18"	7.5	154"	15,276	1740
25751	2 Ton (4,000 LBS)	18'	6'	18"	7.5	178"	17,241	1840
25496	2 Ton (4,000 LBS)	20'	6'6"	21"	8.3	199"	18,234	2305
25752	3 Ton (6,000 LBS)	8'	4'	16.4"	7.1	59.5"	16,890	1305
25753	3 Ton (6,000 LBS)	10'	4'	16.4"	7.1	83.5"	20,938	1420
25754	3 Ton (6,000 LBS)	12'	6'	16.4"	7.1	107.5"	16,751	1670
25755	3 Ton (6,000 LBS)	14'	6'	16.4"	7.1	131.5"	19,481	1790
25756	3 Ton (6,000 LBS)	16'	6'6"	18"	7.5	154"	20,472	1820
25757	3 Ton (6,000 LBS)	18'	7'6"	21"	8.3	175"	20,286	2300
25758	3 Ton (6,000 LBS)	20'	9'6"	21"	8.3	199"	17,616	2560



LIFTING BEAM - LOW HEADROOM ADJUSTABLE										
PART NUMBER	L MIN / L MAX (1' Spread ADJ)	OVERALL LENGTH	WORKING LOAD LIMIT IN POUNDS*	A	B	C	D	HR	LOWER SHACKLE SIZE	WEIGHT
22148	3' - 5'	66.5	2,000	3	5	0.88	0.75	12	1/2"	140
22149	5' - 10'	126.5	2,000	3	5	0.88	0.75	12	1/2"	255
22150	10' - 15'	186.5	2,000	3	5	0.88	0.75	14	1/2"	578
22151	15' - 20'	246.5	2,000	3	5	0.88	0.75	14	1/2"	575
24506	20'-25'	306.5	2,000	3	5	0.88	0.75	17	1/2"	1365
24507	25'-30'	366.5	2,000	3	5	0.88	0.75	17	1/2"	1610
22152	3' - 5'	66.5	4,000	3	5	0.88	0.75	12	1/2"	145
22153	5' - 10'	126.5	4,000	3	5	0.88	0.75	13	1/2"	346
22154	10' - 15'	186.5	4,000	3	5	0.88	0.75	17	1/2"	864
22155	15' - 20'	246.5	4,000	3	5	0.88	0.75	17	1/2"	1,115
24508	20'-25'	306.5	4,000	3	5	0.88	0.75	17	1/2"	1365
24509	25'-30'	366.5	4,000	3	5	0.88	0.75	17	1/2"	1925
22156	3' - 5'	66.5	6,000	3	5	1.25	1	13.75	5/8"	217
22157	5' - 10'	126.5	6,000	3	5	1.25	1	15.75	5/8"	385
22158	10' - 15'	186.5	6,000	3	5	1.25	1	17.75	5/8"	1,062
22159	15' - 20'	246.5	6,000	3	5	1.25	1	17.75	5/8"	1,365
24510	20'-25'	306.5	6,000	3	5	1.25	1	19.75	5/8"	1925
24511	25'-30'	366.5	6,000	3	5	1.25	1	19.75	5/8"	1985
22160	3' - 5'	66.5	10,000	4	7	2	1.25	19.62	7/8"	348
22161	5' - 10'	126.5	10,000	4	7	2	1.25	19.62	7/8"	608
22162	10' - 15'	186.5	10,000	4	7	2	1.25	21.62	7/8"	1,123
22163	15' - 20'	246.5	10,000	4	7	2	1.25	21.62	7/8"	1,426
24512	20'-25'	306.5	10,000	4	7	2	1.25	24.62	7/8"	1928
24513	25'-30'	366.5	10,000	4	7	2	1.25	24.62	7/8"	2270
22164	3' - 5'	66.5	15,000	4	7	2	1.25	19.62	7/8"	348
22165	5' - 10'	126.5	15,000	4	7	2	1.25	19.62	7/8"	810
22166	10' - 15'	186.5	15,000	4	7	2	1.25	24.62	7/8"	1,237
22167	15' - 20'	246.5	15,000	4	7	2	1.25	24.62	7/8"	1,577
24514	20'-25'	307	15,000	4	7	2	1.25	23.2	7/8"	2489
24515	25'-30'	367	15,000	4	7	2	1.25	23.2	7/8"	2925

* Call for specifications on larger sizes and capacities

LIFTING BEAMS

Low Headroom Adjustable



**OPTIONAL
SHACKLE
& HOOK**



**OPTIONAL
BOLT ON
STAND**

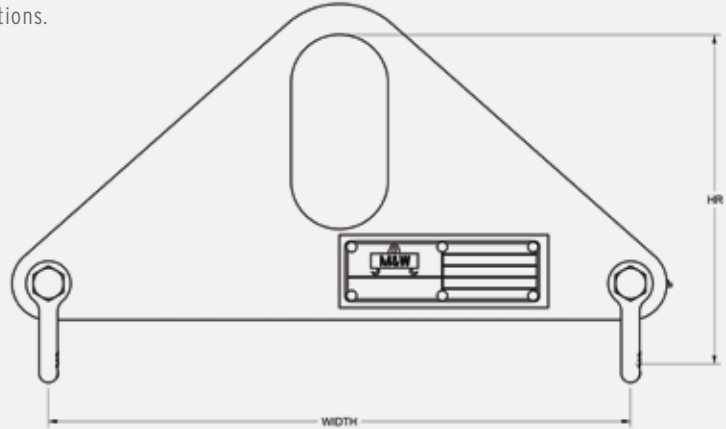


LIFTING BEAM - LOW HEADROOM ADJUSTABLE

PART NUMBER	L MIN / L MAX (1' Spread ADJ)	OVERALL LENGTH	WORKING LOAD LIMIT IN POUNDS*	A	B	C	D	HR	LOWER SHACKLE SIZE	WEIGHT
22168	3' - 5'	66.5	20,000	4	7	2	1.25	19.62	7/8"	348
22169	5' - 10'	126.5	20,000	4	7	2	1.25	21.62	7/8"	815
22170	10' - 15'	186.5	20,000	4	7	2	1.25	24.62	7/8"	1,248
22171	15' - 20'	247	20,000	4	7	2	1.25	23.2	7/8"	2,055
24516	20'-25'	307	20,000	4	7	2	1.25	23.2	7/8"	2489
24517	25'-30'	367	20,000	4	7	2	1.25	24.9	7/8"	3645
22172	3' - 5'	67	40,000	5	9	2.5	1.5	26.2	1 1/8"	706
22173	5' - 10'	127	40,000	5	9	2.5	1.5	26.2	1 1/8"	1,574
22174	10' - 15'	187	40,000	5	9	2.5	1.5	27.9	1 1/8"	2,098
22175	15' - 20'	247	40,000	5	9	2.5	1.5	27.9	1 1/8"	2,643
24518	20'-25'	307	40,000	5	9	2.5	1.5	35.1	1 1/8"	3325
24519	25'-30'	367	40,000	5	9	2.5	1.5	35.1	1 1/8"	3880
22176	3' - 5'	67	60,000	7	16	3.5	2	36	1 1/2"	1,023
22177	5' - 10'	127	60,000	7	16	3.5	2	36	1 1/2"	1,574
22178	10' - 15'	187	60,000	7	16	3.5	2	37.8	1 1/2"	2,389
22179	15' - 20'	247	60,000	7	16	3.5	2	45	1 1/2"	3,058
24520	20'-25'	307	60,000	7	16	3.5	2	48.2	1 1/2"	4535
24521	25'-30'	367	60,000	7	16	3.5	2	51.1	1 1/2"	5783
22180	3' - 5'	67	80,000	7	16	3.5	2.5	39.5	1 3/4"	1,443
22181	5' - 10'	127	80,000	7	16	3.5	2.5	39.5	1 3/4"	2,248
22182	10' - 15'	187	80,000	7	16	3.5	2.5	46.5	1 3/4"	2,763
22183	15' - 20'	247	80,000	7	16	3.5	2.5	49.5	1 3/4"	3,761
24522	20'-25'	307	80,000	7	16	3.5	2.5	52.6	1 3/4"	5255
24523	25'-30'	367	80,000	7	16	3.5	2.5	52.8	1 3/4"	6570

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Supplied with shackles.

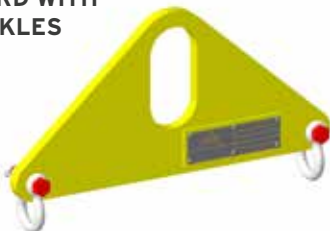
 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Bale Width	Bale Height	HR	Width	Weight in Pounds	Bottom Shackle Size
500	20347	2	4	6.8	12	8	3/8"
500	20348	2	4	6.8	24	15	3/8"
500	20349	2	4	6.8	36	21	3/8"
2,000	20350	3	5	9.8	12	18	5/8"
2,000	20351	3	5	9.8	24	31	5/8"
2,000	20352	3	5	9.8	36	45	5/8"
6,000	20353	3	5	10.8	12	26	3/4"
6,000	20354	3	5	10.8	24	48	3/4"
6,000	20355	3	5	10.8	36	69	3/4"
10,000	24031	3	5	13	12	34	3/4"
10,000	24032	3	5	13	24	56	3/4"
10,000	24033	3	5	13	36	80	3/4"
20,000	20356	4	7	16.1	24	92	7/8"
20,000	20357	4	7	16.1	36	129	7/8"
40,000	24034	5	9	25	24	225	1 1/4"
40,000	24035	5	9	25	36	300	1 1/4"
80,000	24036	7	14	31	24	460	1 3/4"
80,000	24037	7	14	31	36	600	1 3/4"

* Call for specifications on larger sizes and capacities

STANDARD WITH SHACKLES



SHOWN WITH OPTIONAL HOOKS

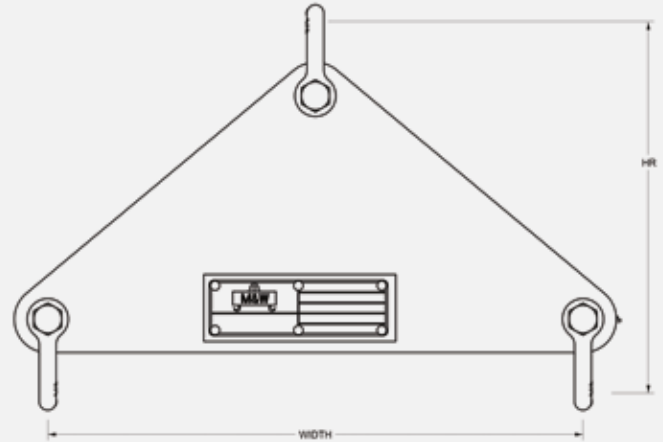


LIFTING BEAMS

Small Length Lift Beams - Shackle Top

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Supplied with shackles.

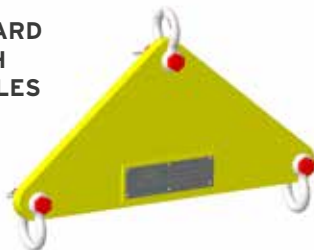
 Prop 65 – See Page 112



WORKING LOAD LIMIT IN POUNDS*	PART NUMBER	TOP	HR	WIDTH	WEIGHT IN POUNDS	BOTTOM SHACKLE	TOP SHACKLE
500	20358	Shackle	8.3	12	9	3/8"	3/8"
500	20359	Shackle	8.3	24	16	3/8"	3/8"
500	20360	Shackle	8.3	36	22	3/8"	3/8"
2,000	20361	Shackle	12.4	12	19	5/8"	5/8"
2,000	20362	Shackle	12.4	24	33	5/8"	5/8"
2,000	20363	Shackle	12.4	36	46	5/8"	5/8"
6,000	20364	Shackle	14.1	12	32	3/4"	3/4"
6,000	20365	Shackle	14.1	24	54	3/4"	3/4"
6,000	20366	Shackle	14.1	36	73	3/4"	3/4"
10,000	24047	Shackle	17	12	40	3/4"	7/8"
10,000	24048	Shackle	17	24	62	3/4"	7/8"
10,000	24049	Shackle	17	36	86	3/4"	7/8"
20,000	20367	Shackle	21.2	24	107	7/8"	1 1/4"
20,000	20368	Shackle	21.2	36	145	7/8"	1 1/4"
40,000	24050	Shackle	32	24	271	1 1/4"	1 3/4"
40,000	24051	Shackle	32	36	346	1 1/4"	1 3/4"
80,000	24052	Shackle	42	24	585	1 3/4"	2 1/2"
80,000	24053	Shackle	42	36	725	1 3/4"	2 1/2"

* Call for specifications on larger sizes and capacities

**STANDARD
WITH
SHACKLES**



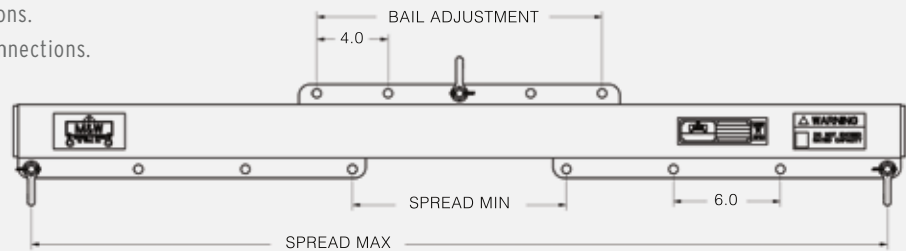
**SHOWN WITH
OPTIONAL
HOOKS AND
TOP LINK**



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy adjustment of unbalanced loads.
- Ideally suited to low headroom applications.
- Shackle bottoms standard for rigging connections.
- Swivel hooks, eye hooks and custom connections available - call for ordering assistance.
- Made in U.S.A.
- Custom designs available - call for engineering.

- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Beams supplied standard with shackle connections.

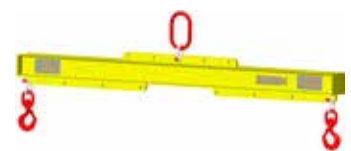
 **Prop 65 – See Page 112**



STANDARD WITH SHACKLES



SHOWN WITH OPTIONAL TOP RING & HOOKS



WORKING LOAD LIMIT IN POUNDS*	PART NUMBER	MAX SPREAD	MIN SPREAD	BAIL ADJ	HR	WEIGHT IN POUNDS	TOP SHACKLE SIZE	BOTTOM SIZE	TOP RING SIZE
500	13855	48	12	24	8.07	51	3/8"	3/8"	1/2"
500	13862	72	36	24	8.07	66	3/8"	3/8"	1/2"
500	13866	96	60	24	8.07	80	3/8"	3/8"	1/2"
1,000	13878	48	12	24	8.07	51	3/8"	3/8"	1/2"
1,000	13879	72	36	24	8.07	66	3/8"	3/8"	1/2"
1,000	13869	96	60	24	9.07	100	3/8"	3/8"	1/2"
2,000	13880	48	12	24	9.07	62	3/8"	3/8"	1/2"
2,000	13886	72	36	24	9.07	80	3/8"	3/8"	1/2"
2,000	13889	96	60	24	10.07	150	3/8"	3/8"	1/2"
2,000	13893	120	84	24	10.07	180	3/8"	3/8"	1/2"
4,000	13924	48	12	24	10.23	72	1/2"	7/16"	1/2"
4,000	13933	72	36	24	10.48	130	1/2"	7/16"	1/2"
4,000	13938	96	60	24	12.23	247	1/2"	7/16"	1/2"
4,000	14130	120	84	24	12.23	302	1/2"	7/16"	1/2"
8,000	14134	72	12	32	15.77	212	3/4"	5/8"	5/8"
8,000	14150	96	48	32	16.77	318	3/4"	5/8"	5/8"
8,000	14154	120	72	32	16.77	476	3/4"	5/8"	5/8"
10,000	14159	96	36	32	16.77	400	3/4"	5/8"	1"
10,000	14162	120	60	32	17.77	502	3/4"	5/8"	1"
10,000	14167	144	84	32	18.77	710	3/4"	5/8"	1"
14,000	14171	120	48	32	19.69	655	7/8"	3/4"	1"
14,000	14177	144	72	32	21.68	765	7/8"	3/4"	1"
14,000	14182	168	96	32	21.68	1005	7/8"	3/4"	1"
20,000	21449	120	48	32	25.62	875	1 1/4"	7/8"	1"
20,000	21450	144	72	32	28.62	1100	1 1/4"	7/8"	1"
20,000	21451	168	96	32	28.62	1235	1 1/4"	7/8"	1"

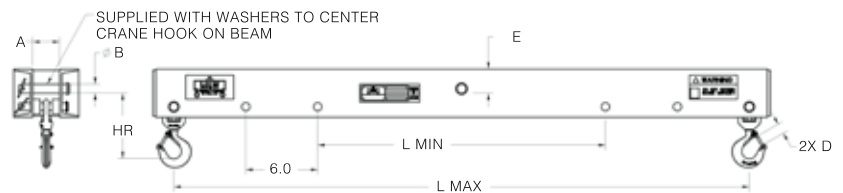
* Call for specifications on larger sizes and capacities

LIFTING BEAMS

Ultra Low Headroom Lifting Beams

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Use provided spacers to assure hook remains centered.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Beams supplied standard with alloy swivel latch hook connections.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part number Headroom Weight	Pick Points – Outside Length (L) in Feet					A	B	D
		2', 3', 4'	4', 5', 6'	6', 7', 8'	8', 9', 10'	10', 11', 12'			
1,000	Part Number	16484	16485	16486	16487	16488	2.25	0.63	0.86
	HR=	5.5	5.5	5.5	5.5	5.5			
	E=	1.94	1.94	1.94	1.94	1.94			
	Weight	57	82	100	120	145			
2,000	Part Number	16489	16490	16491	16492	16493	2.25	0.75	0.86
	HR=	5.5	5.5	6.5	6.5	6.5			
	E=	2.00	2.00	2.00	2.00	2.00			
	Weight	60	85	175	215	250			
4,000	Part Number	16494	16495	16496	16497	16498	2.25	1.00	0.89
	HR=	6.7	6.7	7.1	7.1	7.9			
	E=	2.13	2.13	2.75	2.75	3.00			
	Weight	110	150	210	310	345			
6,000	Part Number	16499	16500	16501	16502	16503	3.00	1.25	0.96
	HR=	6.9	7.6	8.6	9.6	9.6			
	E=	2.51	2.76	2.76	2.76	2.76			
	Weight	125	185	255	300	400			
10,000	Part Number	16504	16505	16506	16507	16508	3.00	1.50	1.08
	HR=	9.8	9.8	9.8	10.3	10.3			
	E=	3.25	3.25	3.25	3.75	3.75			
	Weight	240	320	400	490	695			

* Call for specifications on larger sizes and capacities

1,000 LB WLL		TOP BEAM: L MIN / L MAX		
		PART NUMBER		
		12"-48"	36"-72"	60"-96"
LOWER BEAMS: W MIN / W MAX	12"-48"	17560	17563	17566
	HR	16.1	16.1	17.1
	WEIGHT	154	166	201
	36"-72"	17561	17564	17567
	HR	16.1	16.1	17.1
	WEIGHT	185	198	230
	60"-96"	17562	17565	17568
	HR	16.1	16.1	17.1
	WEIGHT	210	225	258

* Call for specifications on larger sizes and capacities

2,000 LB WLL		TOP BEAM: L MIN / L MAX		
		PART NUMBER		
		12"-48"	36"-72"	60"-96"
LOWER BEAMS: W MIN / W MAX	12"-48"	17569	17572	17575
	HR	17.1	17.1	18.1
	WEIGHT	165	184	255
	36"-72"	17570	17573	17576
	HR	17.1	17.1	18.1
	WEIGHT	195	210	283
	60"-96"	17571	17574	17577
	HR	18.1	18.1	19.1
	WEIGHT	258	278	348

* Call for specifications on larger sizes and capacities

4,000 LB WLL		TOP BEAM: L MIN / L MAX			
		PART NUMBER			
		12"-48"	36"-72"	60"-96"	84"-120"
LOWER BEAMS: W MIN / W MAX	12"-48"	17578	17582	17586	17590
	HR	19.3	20.3	21.3	21.3
	WEIGHT	195	254	370	490
	36"-72"	17579	17583	17587	17591
	HR	19.3	20.3	21.3	21.3
	WEIGHT	233	290	408	460
	60"-96"	17580	17584	17588	17592
	HR	20.3	21.3	22.3	22.3
	WEIGHT	375	433	550	605
	84"-120"	17581	17585	17589	17593
	HR	20.3	21.3	22.3	22.3
	WEIGHT	436	495	612	665

* Call for specifications on larger sizes and capacities

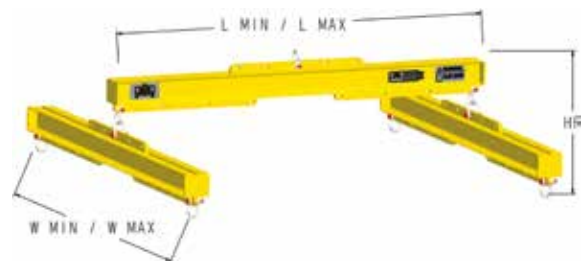
8,000 LB WLL		TOP BEAM: L MIN / L MAX		
		PART NUMBER		
		24"-72"	48"-96"	72"-120"
LOWER BEAMS: W MIN / W MAX	12"-48"	17598	17602	17606
	HR	26	27	27
	WEIGHT	350	460	616
	36"-72"	17599	17603	17607
	HR	27	28	28
	WEIGHT	470	575	733
	60"-96"	17600	17604	17608
	HR	28	29	29
	WEIGHT	705	811	970
	84"-120"	17601	17605	17609
	HR	28	29	29
	WEIGHT	809	915	1,074

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.
- Standard with Shackles

 Prop 65 – See Page 112



- Quick and easy adjustment of unbalanced loads.
- Ideally suited to low headroom applications.
- Eye hooks and custom connections available - call for ordering assistance.



* Call for specifications on larger sizes and capacities

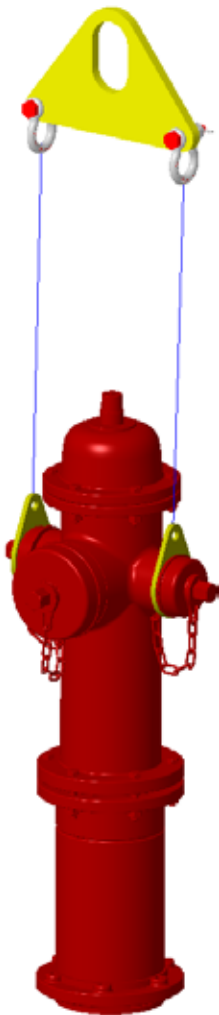
LIFTING BEAMS

Hydrant Lifter

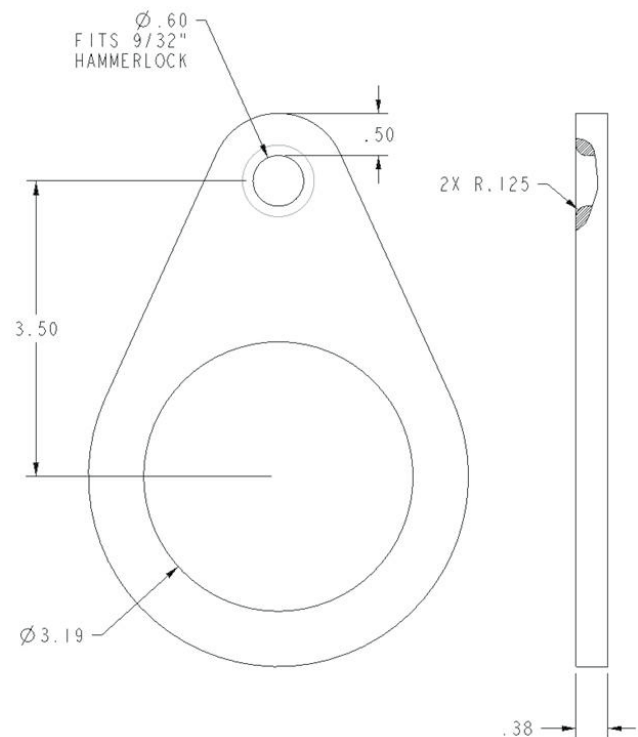


- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Hydrant Lifter proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Sold individually as parts - see note below
- Rigging by others
- Made in U.S.A..
- Custom designs available - call for engineering.

 Prop 65 – See Page 112



- **19964** bottom Hydrant Lift Lug - 2,000 pound Working Load Limit per pair, sold as each.
- **20350** Standard Short Span Beam - Found on page 6 - 2,000 LB Working Load Limit
- Lifting shackles supplied with **20350** as shown in picture



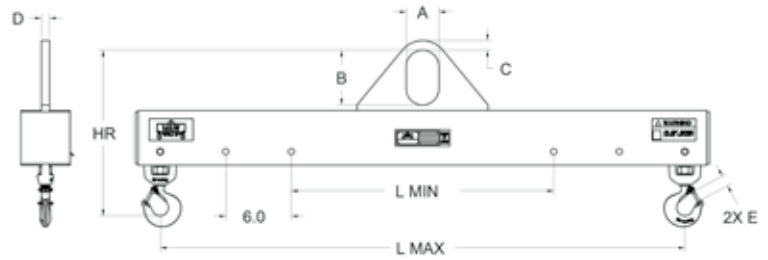
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Standard with hooks.
- Made in U.S.A.
- Machined to exacting tolerances.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

Working Load Limit in Pounds	Model Number Headroom (in) Weight (lbs)	Pick Points – Outside Length (L) in Feet – Min / Max				
		Min Max 2', 3', 4'	Min Max 4', 5', 6'	Min Max 6', 7', 8'	Min Max 8', 9', 10'	Min Max 10', 11', 12'
1,000	Part Number HR = LBS =	11937 13.11 56	11959 13.11 75	11960 13.11 95	11961 13.11 115	11962 13.11 200
2,000	Part Number HR = LBS =	11983 13.11 56	11984 13.11 75	11985 14.11 167	11989 14.11 205	11990 14.11 240
4,000	Part Number HR = LBS =	12032 15.12 98	12033 15.12 135	12034 16.12 200	12039 16.12 295	12042 17.12 395
6,000	Part Number HR = LBS =	12069 15.25 120	12084 16.25 180	12087 17.25 255	12090 18.25 380	12094 18.25 440
10,000	Part Number HR = LBS =	12117 21.25 265	12123 21.25 345	12126 21.25 430	12129 22.25 500	12132 21.12 590
15,000	Part Number HR = LBS =	12162 24.27 265	12165 24.28 365	12168 25.28 450	12171 25.28 640	12174 25.28 870
20,000	Part Number HR = LBS =	12199 23.75 290	12202 24.75 375	12205 24.75 625	12208 26.75 755	12212 29.75 985
30,000	Part Number HR = LBS =	12223 38.00 345	12229 38.00 555	12232 43.00 675	12236 43.00 1,235	12263 40.20 1,185
40,000	Part Number HR = LBS =	12250 33.81 445	12254 33.81 850	12257 33.81 1,050	12287 41.79 1,195	12292 41.97 1,540

LIFTING BEAMS

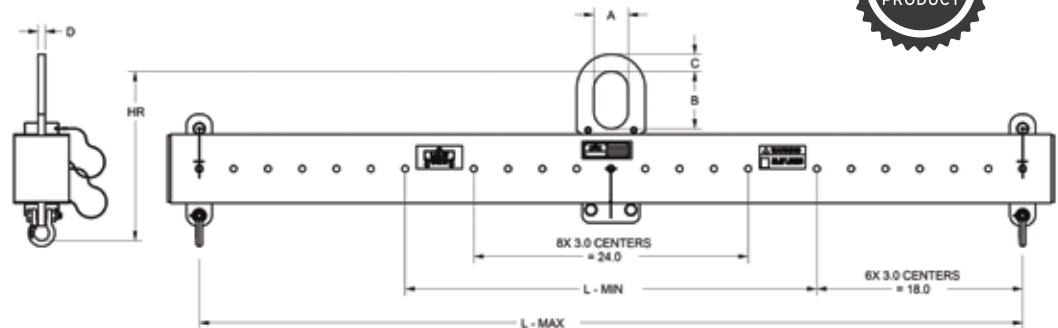
Low Headroom, Multiple Length
Standard Lifting Beam



Pick Points – Outside Length (L) in Feet					Other Dimensions	Working Load Limit in Pounds
LMin LMax 12', 13', 14'	LMin LMax 14', 15', 16'	LMin LMax 16', 17', 18'	LMin LMax 18', 19', 20'	LMin LMax 22', 23', 24'		
11968 13.11 226	11971 14.11 313	11974 14.11 350	11977 14.11 390	11981 15.11 535	C=.875, A=3.0 B=5.0, D=.75 E=.91	1,000
12017 15.11 320	12018 15.11 365	12019 15.11 500	12020 16.11 525	12024 17.11 945	C=.875, A=3.0 B=5.0, D=.75 E=.91	2,000
12046 18.12 575	12050 18.12 650	12055 19.12 771	12059 20.12 1,060	12063 22.12 1,510	C=.875, A=3.0 B=5.0, D=.75 E=1.0	4,000
12098 19.25 635	12102 19.25 715	12106 20.25 990	12109 20.25 1,295	12112 22.25 1,310	C=1.25, A=3.0 B=5.0, D=1.00 E=1.00	6,000
12138 22.25 970	12141 22.25 1,095	12148 24.25 1,035	12152 24.25 1,340	12155 26.50 1,800	C=2.0, A=4.0 B=7.0, D=1.25 E=1.09	10,000
12177 27.28 1,000	12180 30.28 1,265	12183 30.28 1,405	12186 29.84 1,800		C=2.0, A=4.0 B=7.0, D=1.25 E=1.56	15,000
12215 29.75 1,595	12218 29.75 1,799	12280 35.08 1,655	12284 35.08 1,815		C=2.0, A=4.0 B=7.0, D=1.25 E=1.61	20,000
12267 40.48 1,540	12270 40.66 1,865	12274 40.84 2,250	12277 41.07 2,750		C=2.5, A=5.0 B=9.0, D=1.50 E=2.08	30,000
12295 42.15 1,850	12300 43.58 2,130	12304 43.74 2,555	12307 43.92 3,045		C=2.5, A=5.0 B=9.0, D=1.50 E=2.08	40,000

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy adjustment of unbalanced loads.
- Ideally suited to low headroom applications.
- Standard with shackles.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	L min	L max	A	B	C	D	HR	Weight in Pounds
2,000	15101	36	72	3	5	0.75	0.63	11.8	85
2,000	14678	72	144	3	5	0.75	0.63	13.8	285
4,000	12453	36	72	3	5	1.5	0.63	12.6	135
4,000	12495	72	144	3	5	1.5	0.63	14.6	331
6,000	14669	36	72	3	5	1.5	0.63	14.8	170
6,000	14661	72	144	3	5	1.5	0.63	17.8	535
8,000	12503	36	72	4	7	2	0.75	18.0	201
8,000	12512	72	144	4	7	2	0.75	20.0	543
10,000	14651	36	72	4	7	2	0.75	20.0	310
10,000	15108	72	144	4	7	2	0.75	21.0	805
15,000	15117	36	72	4	7	2	1.00	20.7	325
15,000	15128	72	144	4	7	2	1.00	23.7	830
20,000	26592	36	72	4	7	2.5	1.25	24.3	532
20,000	26593	72	144	4	7	2.5	1.25	27.3	1015
30,000	26594	36	72	5	9	3	1.25	30.3	870
30,000	26595	72	144	5	9	3	1.25	30.3	1480

* Call for specifications on larger sizes and capacities



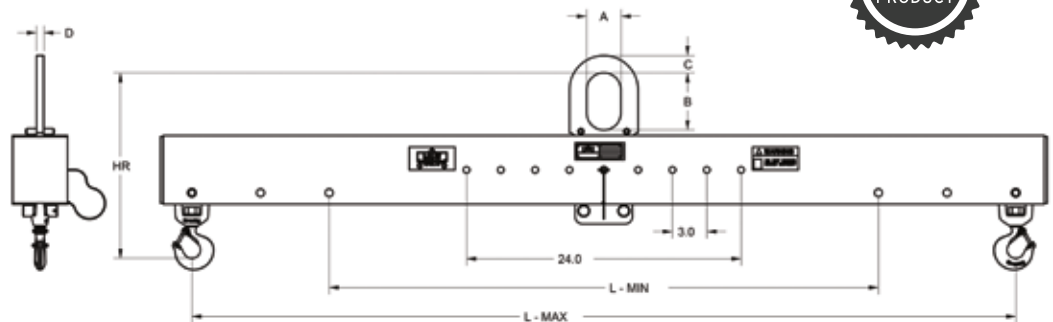
LIFTING BEAMS

Adjustable Length Lifting Beams
with Swivel Hook Bottoms



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy adjustment of unbalanced loads.
- Ideally suited to low headroom applications.
- Standard with hooks.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

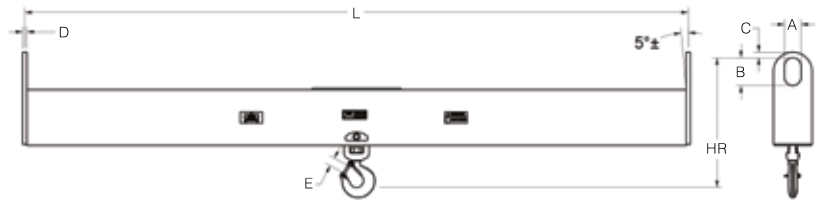
Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	L min	L max	A	B	C	D	HR	Weight in Pounds
2,000	16410	48	72	3	5	0.75	0.63	13.8	85
2,000	16411	120	144	3	5	0.75	0.63	15.7	285
4,000	16412	48	72	3	5	1.5	0.63	14.6	135
4,000	16413	120	144	3	5	1.5	0.63	16.6	330
6,000	16414	48	72	3	5	1.5	0.63	16.2	160
6,000	16415	120	144	3	5	1.5	0.63	19.1	530
8,000	16416	48	72	4	7	2	0.75	18.9	200
8,000	16417	120	144	4	7	2	0.75	20.9	540
10,000	16418	48	72	4	7	2	0.75	21.2	300
10,000	16419	120	144	4	7	2	0.75	22.2	795
15,000	16420	48	72	4	7	2	1.00	22.1	315
15,000	16421	120	144	4	7	2	1.00	25.1	815
20,000	26598	48	72	4	7	2.5	1.25	26.6	528
20,000	26599	120	144	4	7	2.5	1.25	29.6	1015
30,000	26600	48	72	5	9	3	1.25	30.4	865
30,000	26601	120	144	5	9	3	1.25	30.4	1475



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
 - Painted safety yellow for increased visibility.
 - **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
 - Durable construction ideally suited to jobsite or warehouse use.
 - Quick and easy lifting of loads with two hoists. Lifting must be done within 5° of vertical.
 - Ideally suited to low headroom applications.
 - Alloy swivel hook bottom standard connection.
 - Made in U.S.A.
 - Custom designs available - call for engineering.
 - **ALL** lifting equipment individually proof loaded per OSHA requirements.
 - All dimensions in inches unless otherwise noted.
-  **Prop 65 – See Page 112**



Working Load Limit in Pounds*	Part number Headroom Weight	Spread in Feet - L								A	B	C	D	E
		6	8	10	12	14	16	18	20					
4,000	Part Number	16427	16428	16429	16430	16431	16432	16433	16434	3.0	5.0	0.88	0.63	0.96
	HR=	15.10	16.10	16.10	17.10	18.10	18.10	19.10	20.10					
	Weight	140	191	260	320	560	640	765	1,055					
6,000	Part Number	16435	16436	16437	16438	16439	16440	16441	16442	3.0	5.0	1.00	0.63	1.08
	HR=	16.50	17.50	18.50	18.50	19.50	19.50	20.50	20.50					
	Weight	150	225	265	485	600	690	960	1,260					
10,000	Part Number	16443	16444	16445	16446	16447	16448	16449	16450	3.0	5.0	1.00	0.75	1.56
	HR=	22.31	22.31	22.31	23.31	23.31	23.31	25.31	25.31					
	Weight	300	380	470	670	920	1,040	1,005	1,305					
15,000	Part Number	16451	16452	16453	16454	16455	16456	16457	16458	4.0	7.0	1.00	0.75	2.17
	HR=	25.75	26.75	26.75	26.75	28.75	31.75	31.75	31.75					
	Weight	310	395	580	810	950	1,215	1,575	1,740					
20,000	Part Number	16459	16460	16461	16462	16463	16464			4.0	7.0	1.25	1.00	2.28
	HR=	27.53	27.53	29.53	32.53	32.53	32.53							
	Weight	370	585	725	975	1,565	1,770							

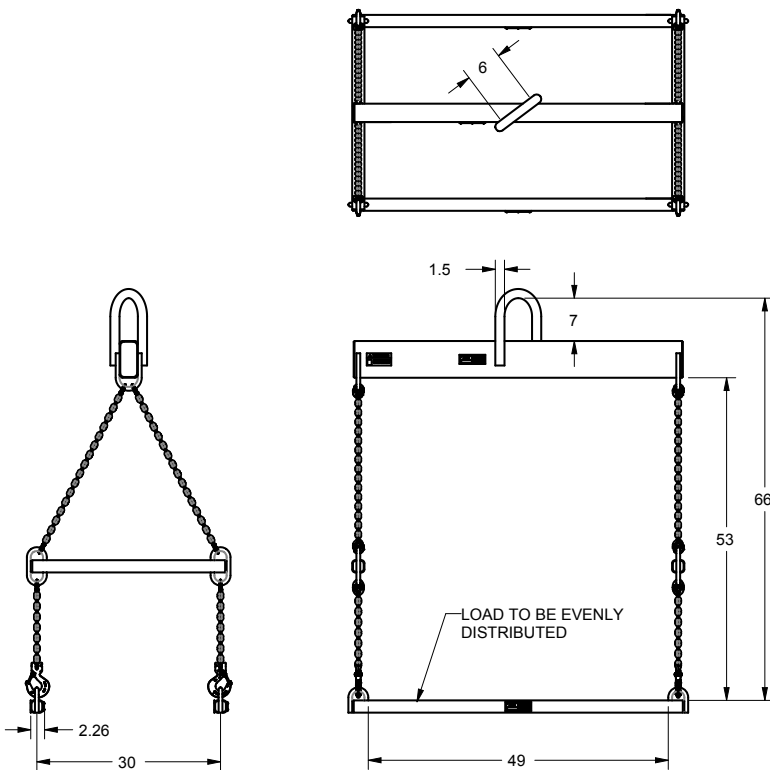
* Call for specifications on larger sizes and capacities

LIFTING BEAMS

IBC Tote Lifting Beam

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



**SOLD WITH CHAIN
SLING AS SHOWN**



Lifts 330 or 275 GAL IBC Tanks
Weight = 210 LBS

Part Number	Working Load Limit	Weight
23070	5,000	210

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Beams supplied standard with alloy swivel latch hook connections.



Prop 65 – See Page 112



Working Load Limit	Part Number	Max Roll Diameter	Max Arbor Diameter	Inside Length	Weight
2,000	20715	36	3	50	75
2,000	20716	36	3	74	105
4,000	20717	36	3	50	115
4,000	20718	36	3	74	154

* Call for specifications on larger sizes and capacities



Working Load Limit	Part Number	Max Roll Diameter	Max Arbor Diameter	Inside Length	Weight
6,000	20721	36	3	50	200
6,000	20722	36	3	74	245
10,000	20719	36	3	50	370
10,000	20720	36	3	74	450

* Call for specifications on larger sizes and capacities



Working Load Limit	Part Number	Max Roll Diameter	Max Arbor Diameter	Inside Length	Weight
6,000	20756	36	3	50	205
6,000	20755	36	3	74	255
10,000	20754	36	3	50	360
10,000	20753	36	3	74	440

* Call for specifications on larger sizes and capacities

LIFTING BEAMS

Adjustable Roll Lift Beams

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy lifting and positioning of rolls.
- Ideally suited to low headroom applications.
- Custom hook lengths available - call for quote.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



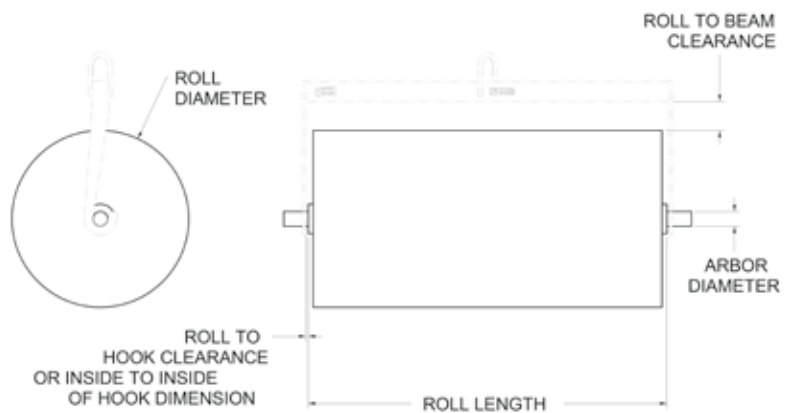
Working Load Limit	Part Number	Max Roll Diameter	Max Arbor Diameter	Inside Length	Weight
2,000	20784	36	3	22-76	130

* Call for specifications on larger sizes and capacities



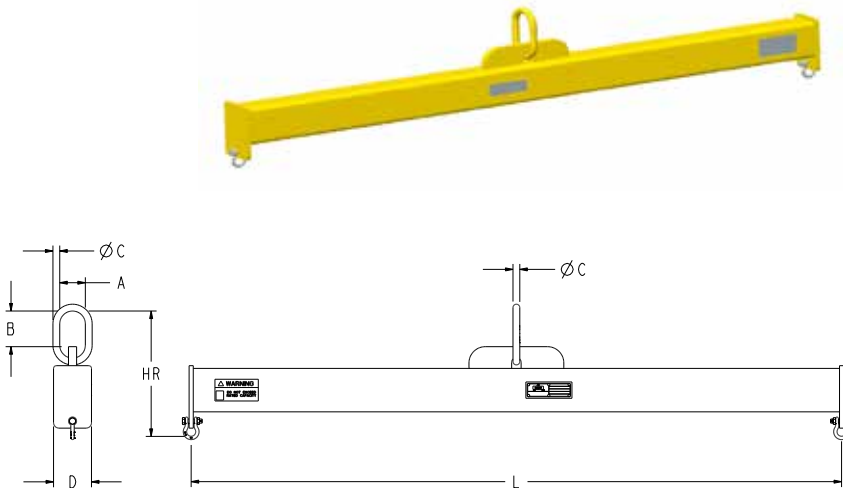
Working Load Limit	Part Number	Max Roll Diameter	Max Arbor Diameter	Inside Length	Weight
6,000	20785	36	3	22-76	315
10,000	20786	36	3	22-76	530

* Call for specifications on larger sizes and capacities



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Beams supplied standard with shackle connections.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



STANDARD WITH SHACKLES



SHOWN WITH OPTIONAL HOOKS

Working Load Limit in Pounds*	Part number Headroom Weight	Spread in Inches - L										A	B	C	D	Bottom Shackle Size
		24	36	42	48	54	60	66	72	96	120					
500	Part Number	16561	12540	15028	11525	15031	15034	15037	11526	11527	11528					
	HR=	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	2.4	3.3	0.63	2.5	5/16"
	Weight	22	29	33	36	40	43	47	50	65	80					
1,000	Part Number	16140	12546	15040	11529	15043	15046	15049	11530	11531	11532					
	HR=	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	11.5	2.4	3.3	0.63	3.5	5/16"
	Weight	22	29	33	36	40	43	47	50	65	115					
2,000	Part Number	16124	15054	15057	11533	15060	15063	15066	11534	11535	11536					
	HR=	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	13.8	13.8	2.4	3.3	0.63	3.5	5/16"
	Weight	32	42	48	52	58	63	68	73	127	155					
4,000	Part Number	16381	15070	15073	11537	15076	15079	15082	11538	11539	11540					
	HR=	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16.0	2.4	3.3	0.63	3.5	3/8"
	Weight	43	57	63	70	78	85	93	99	126	190					
6,000	Part Number	16382	14433	15085	14438	15092	15095	15098	14442	14445	14452					
	HR=	14.0	14.0	14.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	2.4	3.3	0.63	3.5	7/16"
	Weight	43	56	67	87	95	104	114	121	220	343					

* Call for specifications on larger sizes and capacities

LIFTING BEAMS

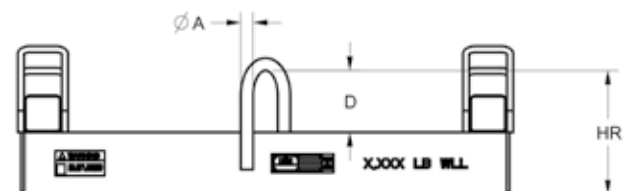
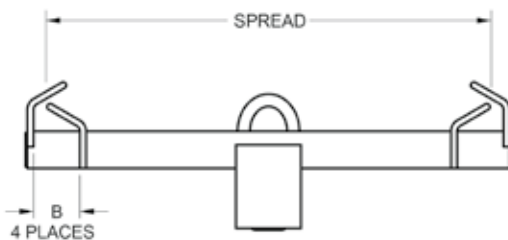
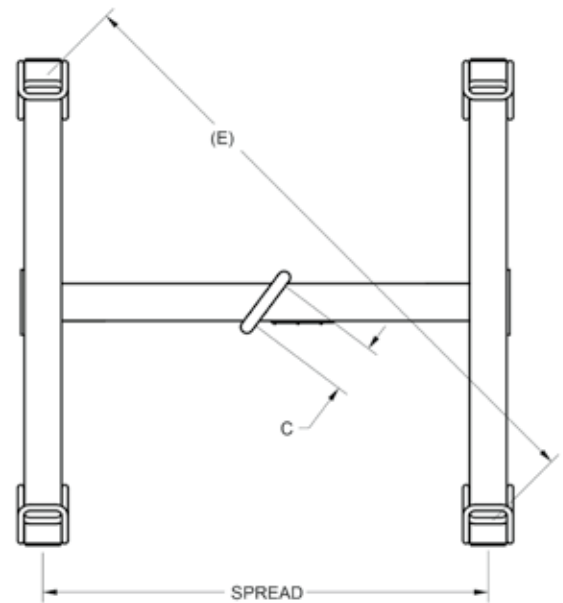
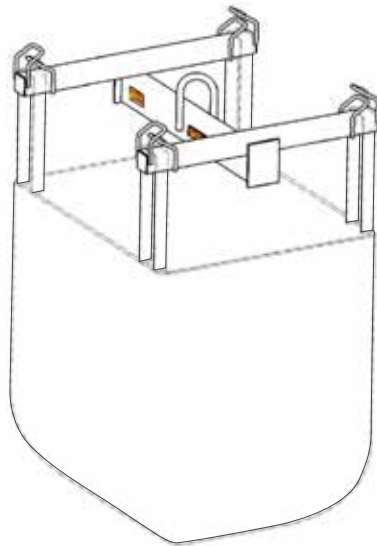
Bulk Container Lifting Beams

- Built to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

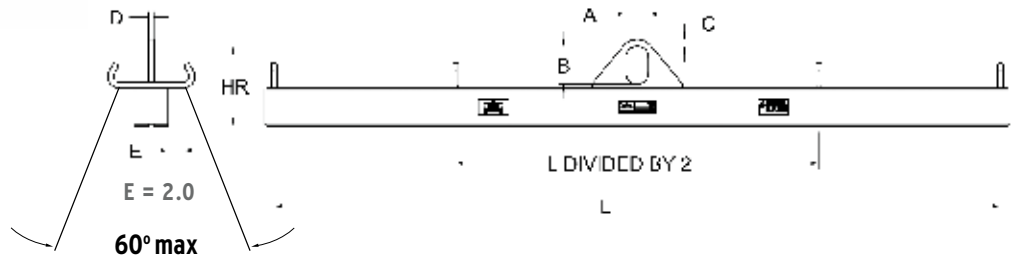
Part Number*	SPREAD	A	B	C	D	E	HR	Weight	Working Load Limit in Pounds*
13325	36	1.0	3.0	4.0	5.0	50.9	10.0	120	4,400
13321	48	1.0	3.0	4.0	5.0	67.9	10.0	150	4,400

*Larger capacities and custom configurations available. Please call for ordering assistance.



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Designed to be used with lifting slings in a basket hitch
- Two sets of lifting sling hooks are standard
- Hooks designed for 2" eye width
- Custom configurations available - call for ordering assistance
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Model Number Headroom (in) Weight (lbs)	Outside Spread (L) in Feet*							A (in) B (in) C (in)
		4	6	8	10	12	14	16	
1,000	Part Number HR = LBS =	17492 9.50 65	17493 9.50 80	17494 9.50 100	17495 9.50 120	17496 9.50 205	17497 9.50 235	17498 10.50 315	3.0 5.0 .88
2,000	Part Number HR = LBS =	17499 9.50 65	17500 9.50 80	17501 10.50 175	17502 10.50 210	17503 10.50 245	17504 11.50 325	17505 11.50 370	3.0 5.0 .88
4,000	Part Number HR = LBS =	17506 10.50 110	17507 10.50 150	17514 11.50 210	17508 11.50 310	17509 12.50 340	17510 13.50 580	17511 13.50 660	3.0 5.0 .88
10,000	Part Number HR = LBS =	17512 16.37 260	17513 16.37 340	17514 16.37 425	17515 17.37 510	17516 17.37 720	17517 17.37 965	16574 17.37 1,090	4 7 2

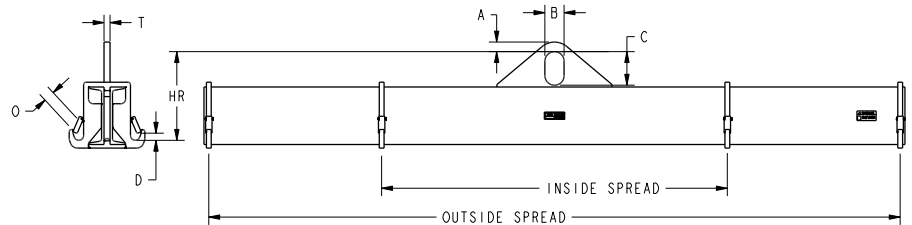
* Call for specifications on larger sizes and capacities

LIFTING BEAMS

Heavy Duty Twin Basket Beam

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Designed to be used with lifting slings in a basket hitch
- Two sets of lifting sling hooks are standard
- Custom configurations available - call for ordering assistance
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Part #	Working Load Limit in LBS	Pick Points (Outside Spread)	Pick Points (Inside Spread)	HR	A	B	C	T	O	D	Weight
25646	10,000	48	26	18.5	2	4	7	1.25	1.8	1.7	425
25647	10,000	96	48	18.5	2	4	7	1.25	1.8	1.7	665
25648	10,000	144	72	18.5	2	4	7	1.25	1.8	1.7	905
25649	10,000	192	96	18.5	2	4	7	1.25	1.8	1.7	1150
25650	10,000	240	120	18.5	2	4	7	1.25	1.8	1.7	1395
25651	15,000	48	26	21.2	2	4	7	1.25	1.9	1.7	610
25652	15,000	96	48	21.2	2	4	7	1.25	1.9	1.7	885
25653	15,000	144	72	21.2	2	4	7	1.25	1.9	1.7	1155
25654	15,000	192	96	21.2	2	4	7	1.25	1.9	1.7	1425
25655	15,000	240	120	21.2	2	4	7	1.25	1.9	1.7	1695
25656	20,000	48	26	18.9	2	4	7	1.25	1.9	1.7	810
25657	20,000	96	48	18.9	2	4	7	1.25	1.9	1.7	1160
25658	20,000	144	72	18.9	2	4	7	1.25	1.9	1.7	1510
25659	20,000	192	96	18.9	2	4	7	1.25	1.9	1.7	1860
25660	20,000	240	120	18.9	2	4	7	1.25	1.9	1.7	2215

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.
- Used to lift wood cased glass or glass panels or similar material when used with proper slings.

 Prop 65 – See Page 112

LIFT BEAM - GLASS PANELS

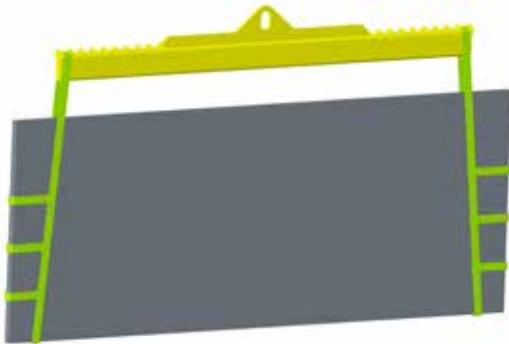
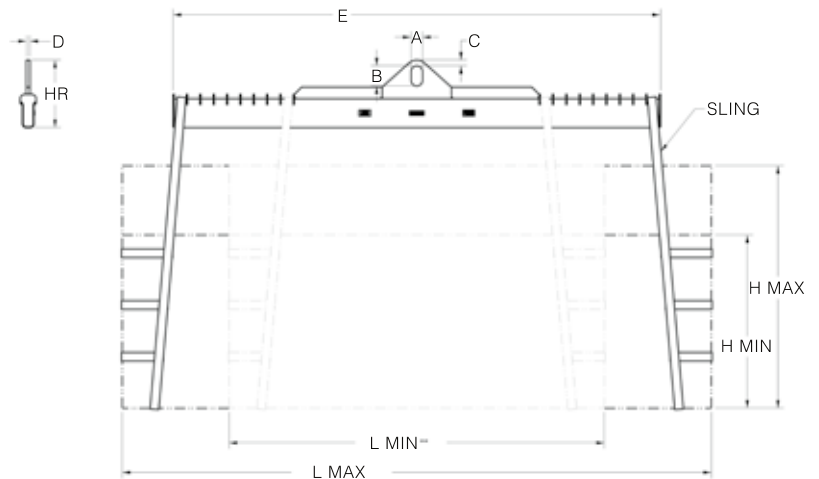
Part Number	Working Load Limit in Pounds*	Panel Length (L) Min**	Panel Length (L) Max**	A	B	C	D	E	HR	Weight
22875	5,000	88	144	3	5	1.25	1	109	15	315
22876	10,000	130	204	4	7	2	1.25	169	24	795

** If used with slings below

LIFTING SLING FOR GLASS PANELS - SOLD AS EACH, 2 NEEDED TO LIFT

Part Number	Working Load Limit in Pounds*	Panel Height (H) Min**	Panel Height (H) Max**
22877	6,000	36	54
22878	6,000	60	84
22879	6,000	72	100
22880	6,000	100	130

** 3" wide, PVC belting on entire inside to help prevent cutting, velcro straps prevent slings from shifting while not under load

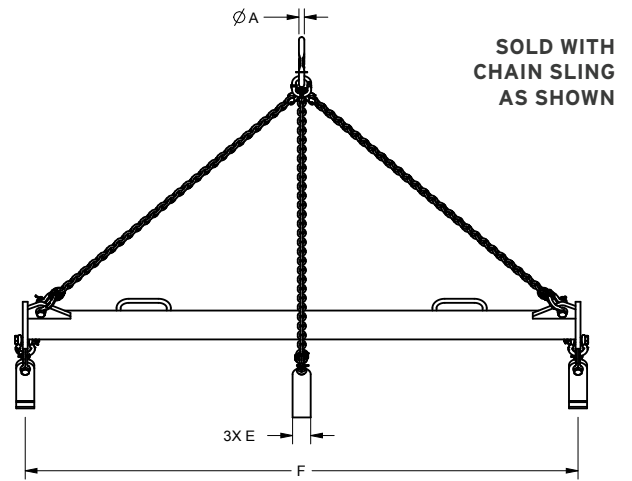
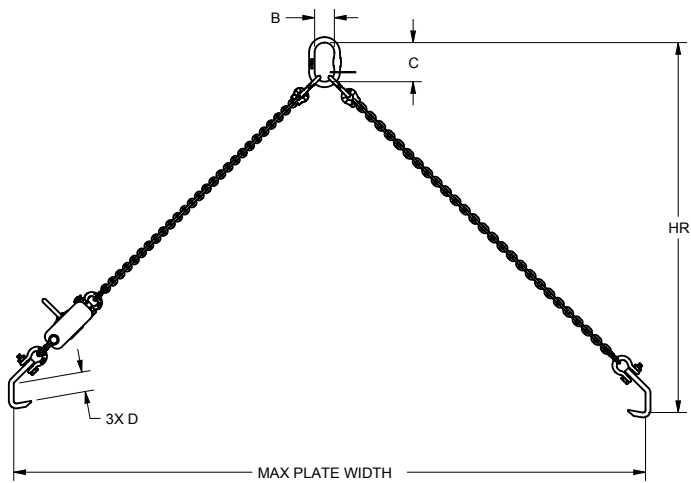


LIFTING BEAMS

Plate Lifting Beams

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.
- Max Plate Width : 96"

 Prop 65 – See Page 112



**SOLD WITH
CHAIN SLING
AS SHOWN**

Working Load Limit in Pounds*	Part Number	A	B	C	D	E	F	HR	Weight in Pounds
10,000	14633	0.82	3.00	6.00	3.00	2.75	84	57	140
20,000	14632	1.28	5.00	9.00	4.00	3.50	84	59	245

* Call for specifications on larger sizes and capacities



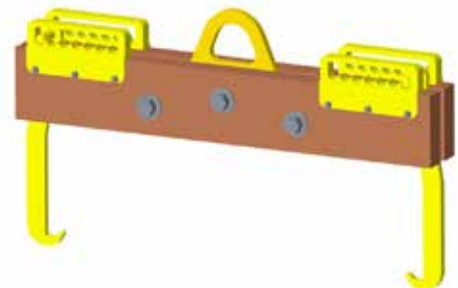
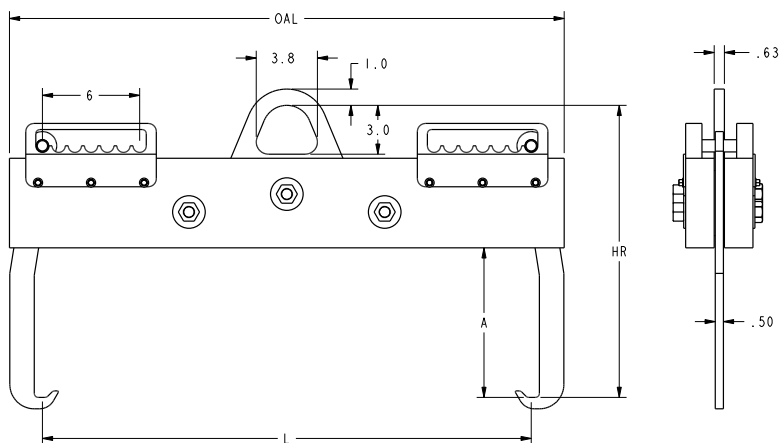
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow lift lug for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy adjustment of unbalanced loads.
- Ideally suited to handle large batteries
- Natural spark proof insulation
- Optional Hooks and Lug connections available - call for ordering assistance
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	A	OAL	HR	L min	L max	Weights
2,000	17441	10.2	34	19	18.0	30.0	62 LBS
2,000	17442	10.2	46	19	30.0	42.0	71
4,000	17443	9.2	34	18	18.0	30.0	67
4,000	17171	9.2	46	18	30.0	42.0	79
6,000	26561	9.2	46	20.3	30.0	42.0	128
6,000	26562	9.2	58	20.3	42.0	54.0	150

* Call for specifications on larger sizes and capacities



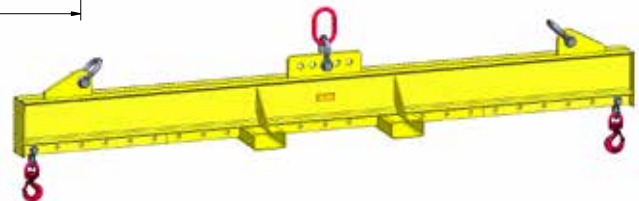
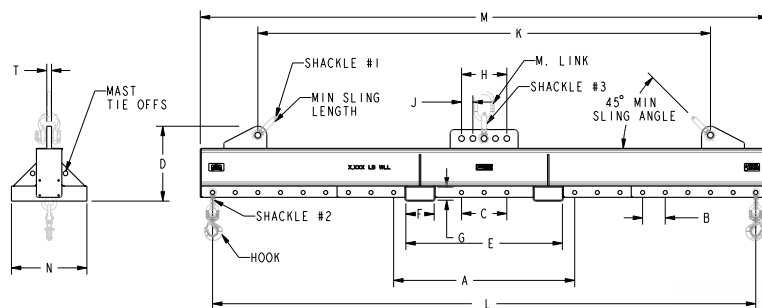
LIFTING BEAMS

Universal



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow lift lug for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Lift beam, spreader beam, fork lift beam
- A true universal beam
- Shackles, hooks, mast tie off and top rigging by others
- Made in U.S.A.
- Custom sizes available
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

Prop 65 – See Page 112



Part Number	Capacity in Pounds	L = Length	A	B	C	D	E*	F*	G*	H	J	K	M	N	T	Weight	Shackle #1 Size	Shackle #2 Size	Shackle #3 Size	M. Link Size	Hook Size	Min Sling Length
24662	6,000	144	48	6	12	15.7	41.5	7.5	3.5	12	3	120	150.5	20	1	535	3/4"	5/8"	3/4"	3/4"	2t	82"
24663	10,000	144	48	6	12	20	41.5	7.5	3.5	12	3	120	150.5	20	1.25	868	1 1/4"	7/8"	1 1/4"	7/8"	5t	82"
24664	15,000	144	48	6	12	20	41.5	7.5	3.5	12	3	120	150.5	20	1.25	1115	1 1/4"	7/8"	1 1/4"	1"	5t	82"
24665	20,000	144	48	6	12	21.9	41.5	7.5	3.5	12	3	120	150.5	20	1.25	1120	1 1/4"	7/8"	1 1/4"	1"	5t	82"
26336	40,000	144	48	6	12	29.0	41.5	7.5	3.5	12	3	120	150.5	36	1.5	2145	1 3/4"	1 1/8"	1 3/4"	1 1/2"	11t	82"

* See Fork Lift Attachment Rules OSHA 1910.178

OPTIONAL MAST TIE OFF CHAIN 10,000 LBS AND UNDER

Part Number	
20410	Mast Tie Off Chain – 8' Long

OPTIONAL MAST TIE OFF CHAIN GREATER THAN 10,000 LBS

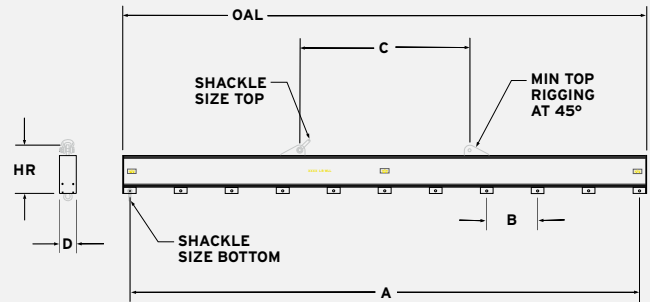
Part Number	
26274	Mast Tie Off Chain – 8' Long



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Quick and easy adjustment of unbalanced loads.
- Swivel hooks available - call for ordering assistance.
- Made in U.S.A.
- Custom designs available - call for engineering.

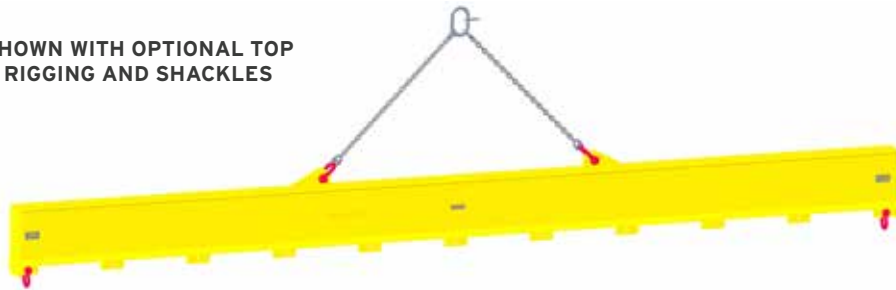
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



* Sold without shackles, hooks or top rigging

SHOWN WITH OPTIONAL TOP
RIGGING AND SHACKLES



WORKING LOAD LIMIT IN POUNDS*	PART NUMBER	A	B	C	D	OAL	HR	WEIGHT IN POUNDS	SHACKLE TOP	SHACKLE BOTTOM	OPTIONAL TOP RIGGING PART NUMBER
4,000	26111	120	20"	60"	6.75"	126.5"	16.03"	690	1/2"	1/2"	26358
4,000	26112	240	24"	80"	6.75"	246.5"	16.03"	1310	1/2"	1/2"	26358
4,000	26113	360	22.5"	120"	6.75"	366.5"	16.06"	1935	1/2"	1/2"	26359
6,000	26114	120	20"	60"	7.5"	126.5"	17.72"	715	3/4"	5/8"	26360
6,000	26115	240	24"	80"	7.5"	246.5"	17.72"	1352	3/4"	5/8"	26360
6,000	26116	360	22.5"	120"	7.5"	366.5"	17.72"	1995	3/4"	5/8"	26361
10,000	26117	120	20"	60"	7.88"	126.5"	22.94"	830	7/8"	7/8"	26366
10,000	26118	240	24"	80"	7.88"	246.5"	22.94"	1565	7/8"	7/8"	26366
10,000	26119	360	22.5"	120"	7.88"	366.5"	22.94"	2290	7/8"	7/8"	26367
20,000	26120	120	20"	60"	7.88"	126.5"	22.94"	830	1 1/4"	7/8"	26362
20,000	26121	240	24"	80"	14.6"	247"	25.54"	2545	1 1/4"	7/8"	26362
20,000	26122	360	22.5"	120"	14.6"	367"	25.54"	3675	1 1/4"	7/8"	26363
40,000	26123	120	20"	60"	12.12"	130.75"	25.2"	1290	1 3/4"	1 1/8"	26364
40,000	26124	240	24"	80"	14.6"	250.75"	28.76"	2740	1 3/4"	1 1/8"	26364
40,000	26125	360	22.5"	120"	12.3"	370.75"	37.7"	4075	1 3/4"	1 1/8"	26365

* Call for specifications on larger sizes and capacities

LIFTING BEAMS

HD Universal Rigging Beam

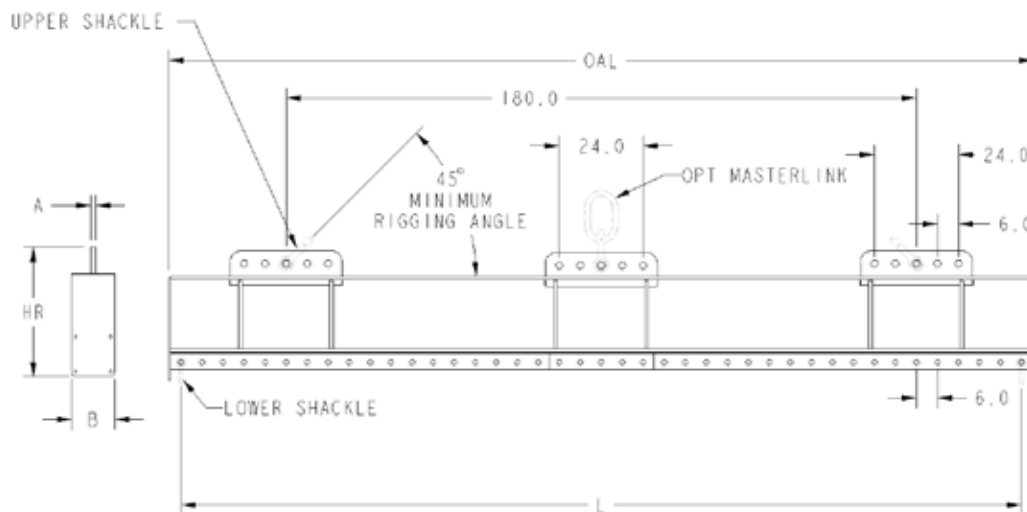


- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow lift lug for increased visibility.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Lift beam, spreader beam
- A true universal beam
- Shackles, hooks, and top rigging by others
- Made in U.S.A.
- Custom sizes available
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Part Number	Max Pick Length	OAL	Working load limit in Pounds	Weight	HR	A	B	Upper Shackle	Lower Shackle
26746	240	247	40,000	3,600	37	1.5	12.3	1 1/8"	1 1/8"
26747	360	367	40,000	5,000	37	1.5	12.3	1 1/8"	1 1/8"
26657	240	247	80,000	6,650	45.5	2.5	14.1	2"	1 3/4"
26658	360	367	80,000	8,650	45.5	2.5	14.1	2"	1 3/4"



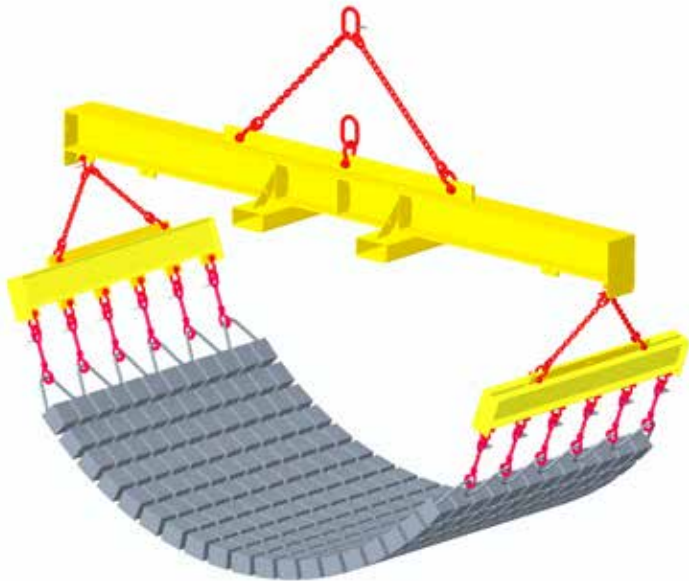
**SOLD WITH TRANSPORT/
STORAGE STAND - NOT TO BE
USED FOR LIFTING**



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Check with manufacturer of your forklift for load capabilities.

- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Includes forklift retraining tabs.

 Prop 65 – See Page 112



Part Number	Working Load Limit	Weight
26302*	20,000	3,125

* Sold as low HR version.

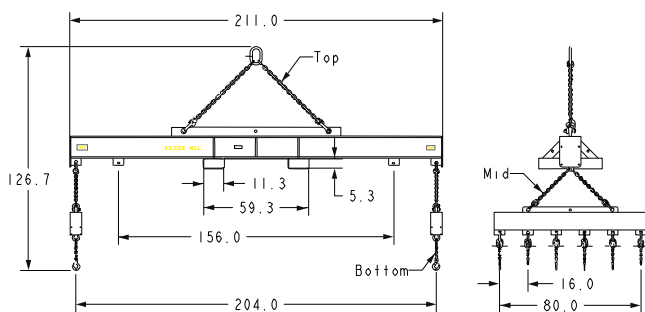
OPTIONAL:

Part Number	Chain Sling	Size	Quantity	Weight
26381	Top	5/8"	1	60
26304	Mid	1/2"	2	30
26305	Bottom	3/8"	12	11

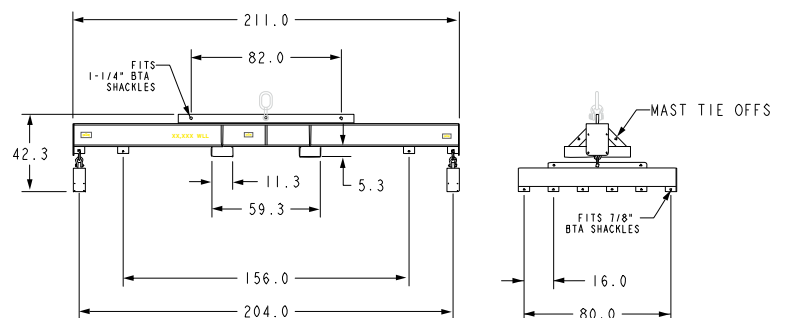
OPTIONAL MAST TIE OFF CHAIN

Part Number	
26274	Mast Tie Off Chain

SHOWN WITH OPTIONAL CHAIN SLINGS



LOW HEAD ROOM VERSION



A Network Built for Unmatched Reach



WITH A GROWING NETWORK OF MORE THAN 300 DISTRIBUTOR LOCATIONS across the US and Canada, M&W Machining delivers the coverage, convenience, and reliability today's manufacturers demand. From major metropolitan hubs to specialized regional partners, our

distributors ensure that quality products, rapid support, and trusted expertise are always within reach. This expansive footprint—visualized across the map below—highlights our commitment to serving customers wherever they operate, with consistency you can count on.



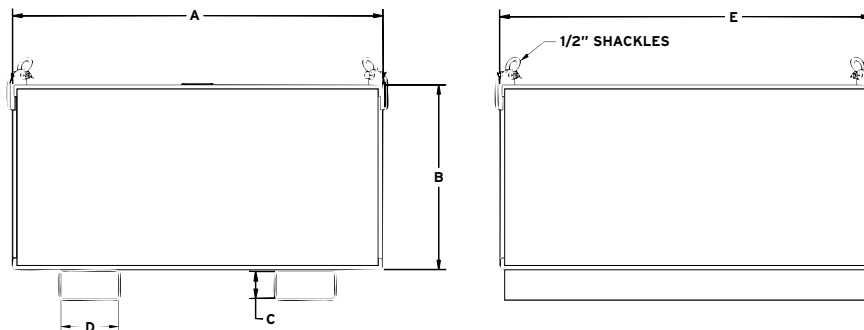
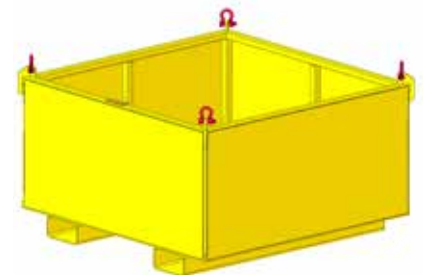
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for resistance to corrosion.
- **ALL** material baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Pick from lifting points with top rigging.
- Made in U.S.A.
- Custom designs available - call for engineering.

NOT FOR PERSONNEL LIFTING.

 Prop 65 – See Page 112

Capacity in Pounds*	Part Number	A	B	Inside Usable	C	D	E	Weight	Includes Shackles
2,500	11827	36	24	33"x33"x22"	4.0	6.0	36	320	1/2"
2,500	11829	48	24	45"x45"x22"	4.0	8.0	48	360	1/2"
2,500	16006	60	24	57"x45"x22"	4.0	8.0	48	450	1/2"

* Call for specifications on larger sizes and capacities



WITH CASTERS

Capacity in Pounds*	Part Number	A	B	Inside Usable	C	D	E	Weight	Includes Shackles
2,500	23954	36	24	33"x33"x22"	4.0	6.0	36	320	1/2"
2,500	23955	48	24	45"x45"x22"	4.0	8.0	48	360	1/2"
2,500	23956	60	24	57"x45"x22"	4.0	8.0	48	450	1/2"



OPTIONAL

Part Number	
24985	4 Leg Top Chain Rigging

MATERIAL BASKETS

Material Basket with Drop Door

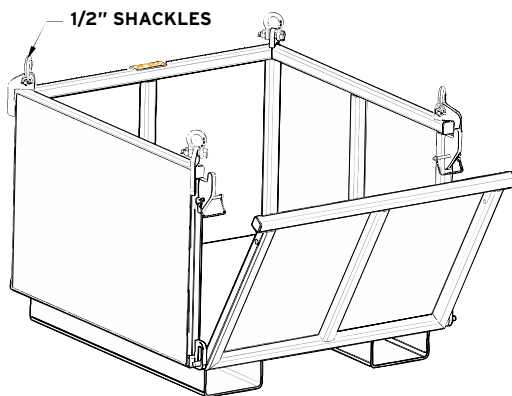
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for resistance to corrosion.
- **ALL** material baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Pick from lifting points with top rigging.
- Made in U.S.A.
- Custom designs available - call for engineering.

NOT FOR PERSONNEL LIFTING.

 Prop 65 – See Page 112

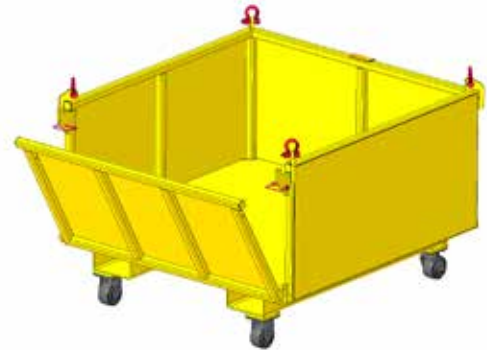
Capacity in Pounds*	Part Number	A	B	Inside Usable	C	D	Weight	Includes Shackles
2,500	12902	48"	28"	45"x45"x22"	3.6"	7.6"	410	1/2"
2,500	17594	36"	28"	33"x33"x22"	3.6"	7.6"	400	1/2"

* Call for specifications on larger sizes and capacities



WITH CASTERS

Capacity in Pounds*	Part Number	A	B	Inside Usable	C	D	Weight	Includes Shackles
2,500	23957	48"	28"	45"x45"x22"	3.6"	7.6"	410	1/2"
2,500	23958	36"	28"	33"x33"x22"	3.6"	7.6"	400	1/2"



OPTIONAL

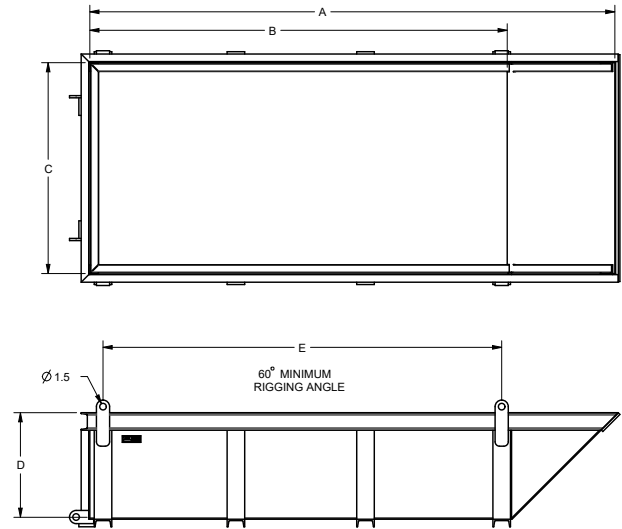
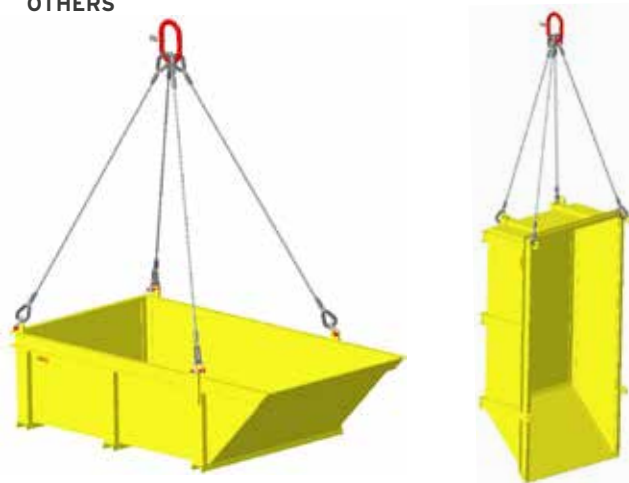
Part Number	
24985	4 Leg Top Chain Rigging

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for resistance to corrosion.
- **ALL** material baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **NOT FOR PERSONNEL LIFTING.**
- **Not water tight**

 Prop 65 – See Page 112



WIRE ROPE BY OTHERS



Capacity in Pounds*	Part Number	A	B	C	D	Weight	E
6,000	23963	96	72	48	24	1,210	67
6,000	23669	120	96	48	24	1,500	91

* Call for specifications on larger sizes and capacities

OPTIONAL WIRE ROPE TOP RIGGING

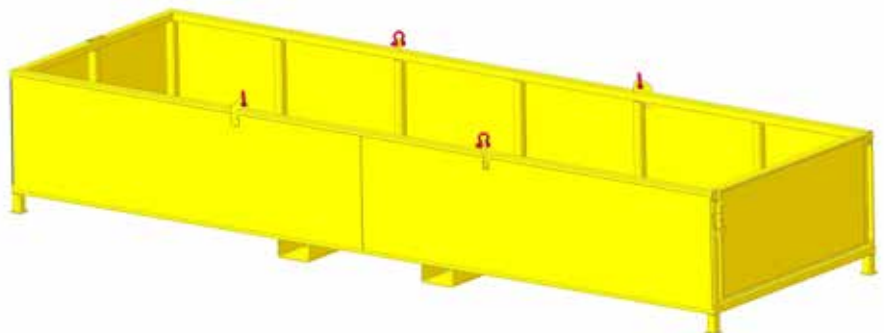
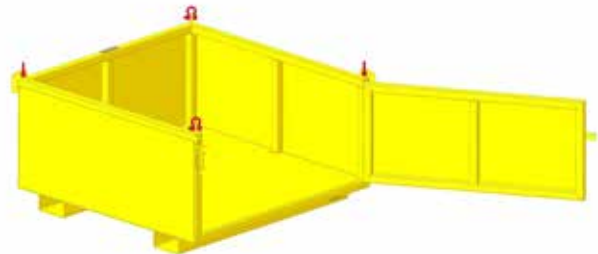
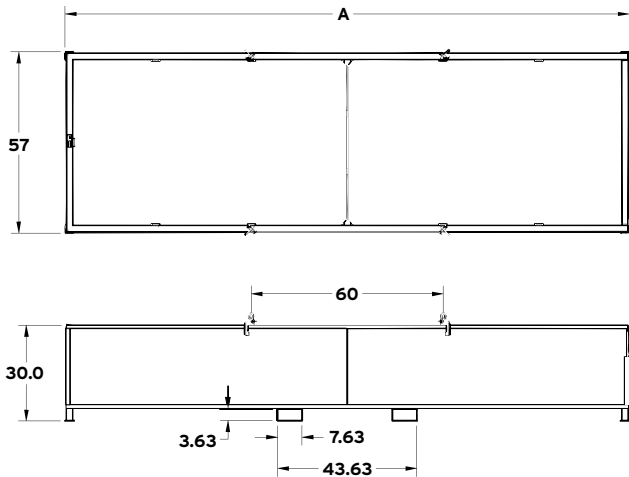
Part Number	
24131	4 Leg Wire Rope Sling

MATERIAL BASKETS

Material Basket with Fixed Sides and Swing Door

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for resistance to corrosion.
- **ALL** material baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Swing door with solid bottom
- Made in U.S.A.
- Custom designs available - call for engineering.
- **NOT FOR PERSONNEL LIFTING.**
- **Not water tight**

 Prop 65 – See Page 112



Capacity in Pounds*	Part Number	A	Inside Usable	Weight
2,500	25459	177"	172"x52"x24"	1,330
2,500	25462	58"	52"x52"x24"	525

OPTIONAL

Part Number	
24985	4 Leg Top Chain Rigging

- Manufactured to exceed all ASME B30.9 and OSHA 1910.184 regulations.
- Durable, heavy-duty tags ideally suited to jobsite or warehouse use.
- Custom tagging available - call for details.
- All dimensions in inches unless otherwise noted.

- Order length in feet in the '-X' portion of part number.

 Prop 65 – See Page 112



INSPECTION AND REPAIR

Slings should be examined throughout their length for abrasions, cuts, heat damage, fitting distortion or damage, and tag legibility. Abrasion, heat damage, or cuts to the cover may indicate a loss of strength to the load cores. If any doubts are held by the inspector, sling should be removed from service and sent to M&W for evaluation and possible repair. Slings removed from service shall be destroyed and rendered completely unfit for future use. Inspector and sling user shall follow all applicable OSHA 1910.184 and ASME B30.9-6 regulations regarding sling use and inspection.

Part Number	Color	RATED CAPACITIES IN POUNDS			Approx. Width	Approx. Weight Pounds/Foot	Shortest Possible Leg Length
		Vertical	Choker	Basket			
PNR3-X	Purple	3,000	2,400	6,000	2"	.30	3'
PNR4-X	Black	4,500	3,600	9,000	2"	.45	3'
PNR6-X	Green	6,000	4,800	12,000	2"	.48	3'
PNR9-X	Yellow	9,000	7,200	18,000	2"	.70	3'
PNR12-X	Grey	12,000	9,600	24,000	3"	.90	3'
PNR14-X	Red	14,000	11,200	28,000	3"	.95	3'
PNR17-X	Brown	17,000	13,600	34,000	3"	1.20	3'
PNR22-X	Blue	22,000	17,600	44,000	3"	1.40	3'
PNR26-X	Orange	26,000	20,800	52,000	4"	1.70	3'
PNR32-X	Orange	32,000	25,600	64,000	4"	1.90	4'
PNR40-X	Orange	40,000	32,000	80,000	5"	2.40	4'
PNR50-X	Orange	50,000	40,000	100,000	5"	2.70	4'
PNR60-X	Orange	60,000	48,000	120,000	5"	3.00	4'
PNR70-X	Black	70,000	56,000	140,000	6"	3.50	5'
PNR80-X	Black	80,000	64,000	160,000	6"	4.00	5'
PNR90-X	Black	90,000	72,000	180,000	6"	4.50	5'
PNR100-X	Black	100,000	80,000	200,000	6"	5.00	5'

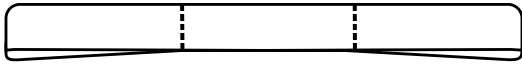
SYNTHETIC POLYESTER WEBBING SLINGS

Type III - Eye & Eye Flat Slings & Type V - Endless Slings

- Manufactured to exceed all ASME B30.9 and OSHA 1910.184 regulations.
- Durable, heavy-duty tags ideally suited to jobsite or warehouse use.
- Custom tagging available - call for details.

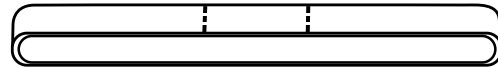
- All dimensions in inches unless otherwise noted.
- **Order length in feet in the '-X' portion of part number.**

 Prop 65 – See Page 112



TYPE III

Sling is made with a flat loop on each end with loop eye opening on the same plane as the sling body. This type of sling is sometimes called a flat eye and eye, eye and eye, or double eye sling. Web width of 3" and above come standard with tapered eyes. Triple and quadruple ply sling eyes cannot be tapered.



TYPE V

Endless sling, sometimes referred to as a grommet sling. It is a continuous loop formed by joining the ends of the fabric together with a load bearing splice.

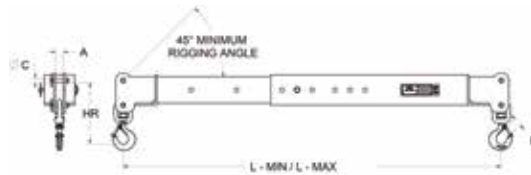
Web Width	Part Number	WORKING LOAD LIMIT IN POUNDS		
		Vertical	Choke	Basket
SINGLE PLY				
1	EE1-901-X	1,600	1,280	3,200
2	EE1-902-X	3,200	2,560	6,400
3	EE1-903-X	4,800	3,840	9,600
4	EE1-904-X	6,400	5,120	12,800
5	EE1-905-X	8,000	6,400	16,000
6	EE1-906-X	9,600	7,680	19,200
8	EE1-908-X	12,800	10,240	25,600
10	EE1-9010-X	16,000	12,800	32,000
12	EE1-9012-X	19,200	15,360	38,400
DOUBLE PLY				
1	EE2-901-X	3,200	2,560	6,400
2	EE2-902-X	6,400	5,120	12,800
3	EE2-903-X	8,880	7,104	17,760
4	EE2-904-X	11,520	9,216	23,640
6	EE2-906-X	16,320	13,056	32,640
8	EE2-908-X	20,480	16,384	40,960
10	EE2-910-X	24,000	19,200	48,000
12	EE2-912-X	26,880	21,504	53,760

Web Width	Part Number	WORKING LOAD LIMIT IN POUNDS		
		Vertical	Choke	Basket
SINGLE PLY				
1	EN1-901-X	3,200	2,560	6,400
2	EN1-902-X	6,400	5,120	12,800
3	EN1-903-X	9,600	7,680	19,200
4	EN1-904-X	12,800	10,240	25,600
5	EN1-905-X	16,000	12,800	32,000
6	EN1-906-X	19,200	15,360	38,400
8	EN1-908-X	25,600	20,480	51,200
10	EN1-9010-X	32,000	25,600	64,000
12	EN1-9012-X	38,400	30,720	76,800
DOUBLE PLY				
1	EN2-901-X	6,400	5,120	12,800
2	EN2-902-X	12,800	10,240	25,600
3	EN2-903-X	17,760	14,208	35,520
4	EN2-904-X	23,040	18,432	46,080
6	EN2-906-X	32,640	26,112	65,280
8	EN2-908-X	40,960	32,768	81,920
10	EN2-910-X	48,000	38,400	96,000
12	EN2-912-X	53,760	43,008	107,520

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Spreader Beams shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Standard with swivel latch hooks. Top rigging not included - please call for pricing
- Made in U.S.A.
- Custom designs available - call for engineering.

- Minimum horizontal top rigging angle of 45°.
- Ideally suited for adding stability to critical lifts.

 Prop 65 – See Page 112



TELESCOPING ADJUSTABLE SPREADER BEAMS							
Working Load Limit in Pounds*	Model Number Headroom (in) Weight (lbs)	Outside Spread (L) in Feet*					A (in) C (in) E (in)
		Min Max 4 - 6	Min Max 6 - 10	Min Max 8 - 14	Min Max 12 - 20	Min Max 21 - 30	
4,000	Part Number	12805	12822	12813	12829	24455	1.00
	HR =	5.37	5.12	5.12	5.12	8.87	0.50
	LBS =	80	120	155	235	585	0.89
10,000	Part Number	12834	12842	12848	12853	24454	1.25
	HR =	6.53	6.28	6.28	6.28	11.0	0.75
	LBS =	130	190	250	365	802	1.08
20,000	Part Number	12864	12872	12880	12885	24453	1.66
	HR =	7.63	7.63	7.63	7.63	13.0	1.00
	LBS =	185	265	345	510	1160	1.31

OPTIONAL TOP RIGGING						
Working Load Limit in Pounds*	Part Name	Part Number	Part Number	Part Number	Part Number	Part Number
4,000	Adjustable Spreader	12805	12822	12813	12829	24455
	Chain	23354	23355	23356	23357	24456
	Wire Rope	23396	23397	23398	23399	24462
	Round Sling Bridle	23374	23375	23376	23377	24459
10,000	Adjustable Spreader	12834	12842	12848	12853	24454
	Chain	23378	23379	23380	23381	24457
	Wire Rope	23400	23401	23402	23403	24463
	Round Sling Bridle	23382	23383	23384	23385	24460
20,000	Adjustable Spreader	12864	12872	12880	12885	24453
	Chain	23386	23387	23388	23389	24458
	Wire Rope	23404	23405	23406	23407	24464
	Round Sling Bridle	23390	23391	23392	23393	24461

*Minimum horizontal top rigging angle is 45° on all fixed and adjustable spreaders. M&W recommends a minimum horizontal top rigging angle of 60°. Adjustable on 1" increments.

SPREADER BEAMS

Telescoping Adjustable Spread - Large Capacity Shackle End

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- ALL Spreader Beams shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

- ALL lifting equipment individually proof loaded per OSHA requirements.
- Minimum horizontal top rigging angle of 45°
- Ideally suited for adding stability to critical lifts.
- Beam only. Shackles supplied by others.

 Prop 65 – See Page 112



SHOWN WITH OPTIONAL
TOP RIGGING & SHACKLES

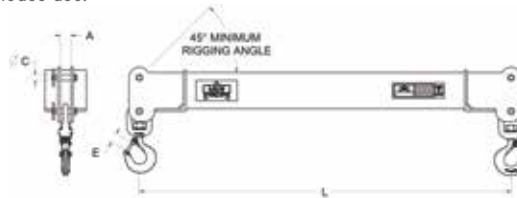
TELESCOPING ADJUSTABLE LARGE CAPACITY SHACKLE END SPREADER BEAMS							
Working Load Limit in Pounds*	Shackle Size	Model Number Headroom (in) Weight (lbs)	Outside Spread (L) in Feet*				
			Min Max 5'6" - 7'	Min Max 7 - 10	Min Max 10 - 14	Min Max 14 - 20	Min Max 21 - 30
40,000	1-1/2" Top 1-1/2" Bottom	Part Number HR = LBS =	20127 7.6 340	20126 7.6 410	20125 7.6 560	20124 7.6 760	24406 7.6 1275
60,000	1-3/4" Top 1-3/4" Bottom	Part Number HR = LBS =	20132 7.1 395	20131 7.1 490	20130 7.1 660	20129 7.1 890	24407 7.1 1775
80,000	2" Top 2" Bottom	Part Number HR = LBS =	20137 9.3 575	20136 9.3 700	20135 9.3 950	20134 9.3 1,250	24413 9.3 2280
100,000	2" Top 2" Bottom	Part Number HR = LBS =	20142 9.3 575	20141 9.3 700	20140 9.3 950	20139 9.3 1,250	24408 9.3 2437
150,000	2-1/2" Top 2-1/2" Bottom	Part Number HR = LBS =	N/A	24412 13.9 1310	24411 13.9 1640	24410 13.9 2120	24409 13.9 2995

OPTIONAL TOP RIGGING							
Working Load Limit in Pounds*	Part Name		Part Number	Part Number	Part Number	Part Number	Part Number
40,000	Adjustable Spreader		20127	20126	20125	20124	24406
	Wire Rope		23421	23422	23423	23424	24414
	Round Sling Bridle		23433	23434	23435	23436	24422
60,000	Adjustable Spreader		20132	20131	20130	20129	24407
	Wire Rope		23425	23426	23427	23428	24415
	Round Sling Bridle		23437	23438	23439	23440	24423
80,000	Adjustable Spreader		20137	20136	20135	20134	24413
	Wire Rope		23430	23430	23431	23432	24416
	Round Sling Bridle		23441	23442	23443	23444	24424
100,000	Adjustable Spreader		20142	20141	20140	20139	24408
	Wire Rope		23430	23430	23431	23432	24416
	Round Sling Bridle		23441	23442	23443	23444	24424
150,000	Adjustable Spreader		N/A	24412	24411	24410	24409
	Round Sling Bridle		N/A	24418	24417	24426	24425

*Minimum horizontal top rigging angle is 45° on all fixed and adjustable spreaders. M&W recommends a minimum horizontal top rigging angle of 60°. Adjustable on 6" increments.

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Spreader Beams shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Standard with swivel latch hooks. Top rigging not included - please call for pricing
- Made in U.S.A.
- Custom designs available - call for engineering.
- Minimum horizontal top rigging angle of 45°.

 Prop 65 – See Page 112



**SHOWN WITH
OPTIONAL
TOP
RIGGING**



FIXED LENGTH SPREADER BEAM

Working Load Limit in Pounds*	Model Number Headroom (in) Weight (lbs)	Outside Spread (L) in Feet*									A (in) C (in) E (in)
		4	6	8	10	12	16	20	25	30	
4,000	Part Number	13094	13097	13100	13103	13106	13109	13112	24473	24474	1.00
	HR = LBS =	7.37 55	7.37 75	8.12 95	8.12 115	8.12 135	8.12 180	8.12 218	9.0 380	9.1 455	0.50 .089
10,000	Part Number	13116	13119	13122	13125	13128	13131	13134	24475	24476	1.31
	HR = LBS =	8.23 75	8.98 105	8.98 135	8.98 165	9.98 195	9.98 255	9.98 315	11.0 578	11.3 690	0.75 1.08
20,000	Part Number	13138	13141	13144	13147	13150	13153	13156	24477	24478	1.66
	HR = LBS =	9.25 125	11.00 165	11.00 210	11.00 255	11.00 300	12.00 385	12.00 475	13.0 895	13.0 1065	1.00 1.31

OPTIONAL TOP RIGGING

Working Load Limit in Pounds*	Part Name	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
4,000	Fixed Spreader	13094	13097	13100	13103	13106	13109	13112	24473	24474
	Chain	23354	23354	23355	23355	23356	23357	23357	24456	24456
	Wire Rope	23396	23396	23397	23397	23398	23399	23399	24462	24462
	Round Sling Bridle	23374	23374	23375	23375	23376	23377	23377	24459	24459
10,000	Fixed Spreader	13116	13119	13122	13125	13128	13131	13134	24475	24476
	Chain	23378	23378	23379	23379	23380	23381	23381	24457	24457
	Wire Rope	23400	23400	23401	23401	23402	23403	23403	24463	24463
	Round Sling Bridle	23382	23382	23383	23383	23384	23385	23385	24460	24460
20,000	Fixed Spreader	13138	13141	13144	13147	13150	13153	13156	24477	24478
	Chain	23386	23386	23387	23387	23388	23389	23389	24458	24458
	Wire Rope	23404	23404	23405	23405	23406	23407	23407	24464	24464
	Round Sling Bridle	23390	23390	23391	23391	23392	23393	23393	24461	24461

SPREADER BEAMS

Fixed Spread Large Capacity Shackle End

SHOWN WITH
OPTIONAL TOP
RIGGING & SHACKLES



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- ALL Spreader Beams shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- ALL lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

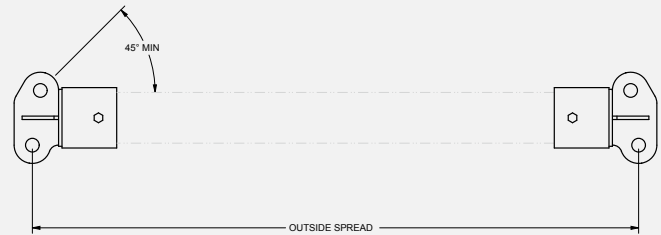
FIXED LENGTH LARGE CAPACITY SHACKLE END SPREADER BEAMS											
Working Load Limit in Pounds*	Shackle Size	Model Number Headroom (in) Weight (lbs)	Outside Spread (L) in Feet*								
			4	6	8	10	12	16	20	25	30
40,000	1-1/2" Top 1-1/2" Bottom	Part Number	20165	20166	20167	20168	20169	20170	20171	24479	24480
		HR = LBS =	8 215	8 275	8 330	8 385	8 440	8 550	8 660	8 910	8 1066
60,000	1-3/4" Top 1-3/4" Bottom	Part Number	20172	20173	20174	20175	20176	20177	20178	24481	24482
		HR = LBS =	7.6 255	7.6 320	7.6 385	7.6 450	7.6 510	7.6 635	7.6 770	7.6 1493	7.6 1770
80,000	2" Top 2" Bottom	Part Number	20179	20180	20181	20182	20183	20184	20185	24483	24484
		HR = LBS =	9.8 390	9.8 475	9.8 550	9.8 635	9.8 715	9.8 875	9.8 1,050	9.8 1496	9.8 1735
100,000	2" Top 2" Bottom	Part Number	20186	20187	20188	20189	20190	20191	20192	24485	24486
		HR = LBS =	9.8 390	9.8 475	9.8 550	9.8 635	9.8 715	9.8 875	9.8 1,050	9.8 1496	9.8 1735
150,000	2-1/2" Top 2-1/2" Bottom	Part Number	24503	24502	24501	24500	24499	24498	24497	24487	24488
		HR = LBS =	15.0 820	15.0 968	15.0 1116	15.0 1264	15.0 1412	15.0 1707	15.0 2008	15.0 2371	15.0 2740

*Minimum horizontal top rigging angle is 45° on all fixed and adjustable spreaders. M&W recommends a minimum horizontal top rigging angle of 60°.

OPTIONAL RIGGING										
Working Load Limit in Pounds*	Part Name	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
40,000	Fixed Spreader	20165	20166	20167	20168	20169	20170	20171	24479	24480
	Wire Rope	23421	23421	23422	23422	23423	23424	23424	24414	24414
	Round Sling Bridle	23433	23433	23434	23434	23435	23436	23436	24422	24422
60,000	Fixed Spreader	20172	20173	20174	20175	20176	20177	20178	24481	24482
	Wire Rope	23425	23425	23426	23426	23427	23428	23428	24415	24415
	Round Sling Bridle	23437	23437	23438	23438	23439	23440	23440	24423	24423
80,000	Fixed Spreader	20179	20180	20181	20182	20183	20184	20185	24483	24484
	Wire Rope	23430	23430	23430	23430	23431	23432	23432	24416	24416
	Round Sling Bridle	23441	23441	23442	23442	23443	23444	23444	24424	24424
100,000	Fixed Spreader	20186	20187	20188	20189	20190	20191	20192	24485	24486
	Wire Rope	23430	23430	23430	23430	23431	23432	23432	24416	24416
	Round Sling Bridle	23441	23441	23442	23442	23443	23444	23444	24424	24424
150,000	Fixed Spreader	24503	24502	24501	24500	24499	24498	24497	24487	24488
	Round Sling	24418	24418	24418	24417	24417	24426	24426	24425	24425



**SOLD
WITHOUT PIPE**



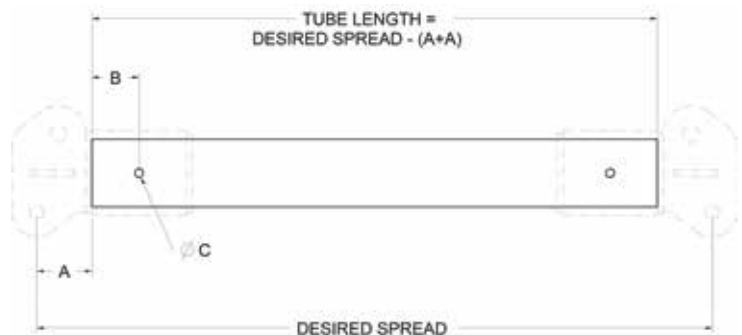
End Cap Part Number	Pipe Size	Top Shackle Min	Top Shackle Max	Bottom Shackle Min	Bottom Shackle Max	Weight per Pair
19499	2-1/2"	1/2"	7/8"	1/2"	7/8"	28
19500	5"	3/4"	1-1/4"	3/4"	1-1/4"	50
19120	8"	1"	1-3/4"	1"	1-1/2"	288

**PIPE CAN
BE SUPPLIED
BY M&W**

**CALL FOR
QUOTE**

* Pipe Sold Separately

Part Number	A53 Grade B Schedule 40	A	B	DIA C
19499	2 1/2"	2.75	4	0.69
19500	5"	3.25	4	0.69
19120	8"	7	6	1.06



ORDERING INFORMATION

End cap kits are sold in pairs for models 19499, 19500 and 19120. Each cap kit comes complete with retaining bolts, capacity tags, and individual proof load certifications. End cap kits are proof tested and serial numbered in pairs.

Complete spreader beams can be ordered from the chart above in standard lengths. For example, a 10' spreader beam with 39 tons Working Load Limit capacity would use the 19120 end cap kits and would be supplied assembled with the proper A53 Grade B, Schedule 40 pipe. The pipe would also be tagged and serial numbered. From the chart above, the user would order part number 19120-120. Complete spreader beams are also shipped with individual proof load certification paperwork.

SPREADER BEAMS

Custom Spreader Beam

End Cap Kits



- Manufactured to exceed all ASME B30.20 and OSHA regulations when assembled to specifications using A53 Grade B Schedule 40 pipe.
- Painted safety yellow for increased visibility.
- **ALL** End Caps shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Top rigging available - call for details.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Minimum horizontal top rigging angle of 45° - M&W recommends a minimum angle of 60°.

 Prop 65 – See Page 112

OUTSIDE SPREAD IN FEET / WLL IN POUNDS																				
Part #	Pipe Size	4'	5'	6'	8	10'	12'	14'	15'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'
19499	2 1/2"	15,000	14,000	13,000	11,000	8,000	5,800	4,000	3,000											
19500	5"	34,000	34,000	34,000	34,000	34,000	32,000	30,000	28,000	26,000	24,000	20,000	16,000	14,000	12,000	10,000	9,000			
19120	8"	78,000	78,000	78,000	78,000	78,000	76,000	76,000	72,000	70,000	66,000	62,000	58,000	54,000	50,000	46,000	42,000	38,000	32,000	30,000

* Minimum horizontal top rigging angle is 45° on all fixed and adjustable spreaders.
M&W recommends a minimum horizontal top rigging angle of 60°.



TECHNICAL INFORMATION

End cap kits are designed for use with A53 Grade B, Schedule 40 pipe between the end fittings and must have no weld joint irregularities. This steel pipe is widely available, and also available from M&W. The model 19499 uses a 2-1/2" nominal size pipe, the 19500 uses a 5" nominal size pipe and the 19120 uses an 8" nominal size pipe.

Lengths of pipe between end cap kits must be straight to within +/- 1/8" from each end, and ends of pipe should be cut squarely and cleanly from the centerline of the pipe. Lengths of pipe should be free from any factory defects, irregularities, or damage.

Each end of the length of pipe must have the correct diameter holes drilled through both ends and in proper alignment through both walls of the pipe. The model 19499 uses a Grade 8 hex head cap screw 5/8"-11 with a length of 4-1/2". The model 19500 uses a Grade 8 hex head cap screw 5/8"-11 with a length of 8". The model 19120 uses a Grade 8 hex head cap screw 1"-8 with a length of 11-1/2".

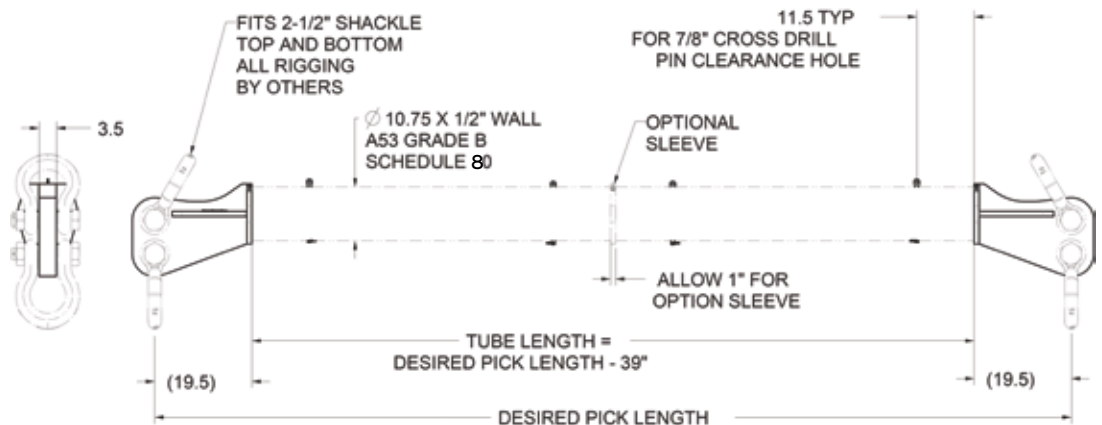
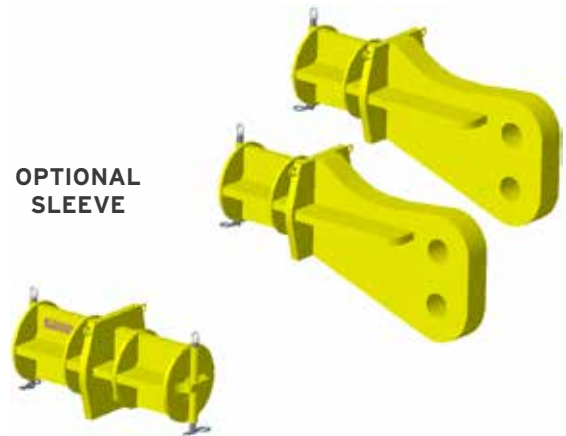
- Manufactured to exceed all ASME B30.20 and OSHA regulations. when assembled to specifications using A53 Grade B Schedule 80 pipe.
- Painted safety yellow for increased visibility.
- **ALL** End Caps shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Top rigging available - call for details.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Minimum horizontal top rigging angle of 45° - M&W recommends a minimum angle of 60°.

 Prop 65 – See Page 112

OUTSIDE SPREAD IN FEET / WLL IN POUNDS					***45 OR 60 DEGREE TOP RIGGING					
Part Number	Weight	6'	8'	10'	15'	20'	25'	30'	35'	40'
22525	425 LBS each	160,000	160,000	160,000	160,000	160,000	160,000	160,000	150,000	100,000

Optional Sleeve	Weight
22524	185 LBS

OPTIONAL SLEEVE



FORKLIFT ATTACHMENTS

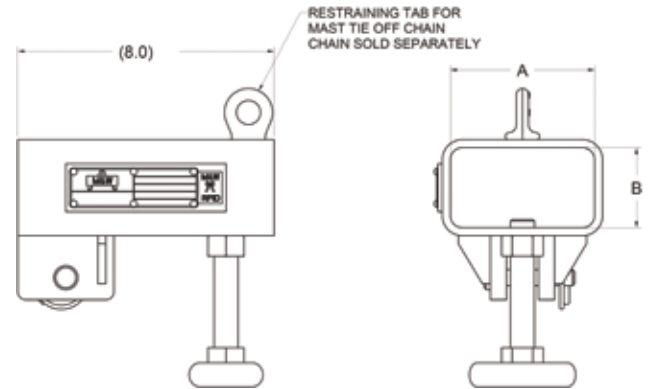
Forklift Pocket Lifters

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- OSHA required tie-off chain: Part Number 12345
- Includes forklift restraining tabs.
- Made in U.S.A.
- Custom designs available - call for engineering.
- Check with manufacturer of your forklift for load capabilities.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	A	B	Fork Width	Weight
3,000	11606	4.5	2.5	4	12
3,000	11607	5.5	2.5	5	13
3,000	11608	6.5	2.5	6	14
3,000	15427	7.5	2.5	7	15
5,000	14259	4.5	2.5	4	16
5,000	14250	5.5	2.5	5	18
5,000	14262	6.5	2.5	6	20
7,000	15764	6.5	2.5	6	35
7,000	16642	7.5	3.5	7	40
7,000	16643	8.5	3.5	8	44

* Call for specifications on larger sizes and capacities



OPTIONAL MAST TIE OFF CHAIN:

Part Number	
20410	Mast Tie Off Chain - 8' Long



WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Check with manufacturer of your forklift for load capabilities.
- Made in U.S.A.
- Includes forklift restraining tabs.
- Converts forklift into aerial crane. Fork Width : 6"
- Adjustable boom spacing at 48", 60" and 72"
- Boom comes equipped with alloy swivel latching hook.

 Prop 65 – See Page 112

	Part Number	Weight
Reach Over Boom	16055	375
Straight Boom	23312	260
Pivot Boom	25107	650

OPTIONAL MAST TIE OFF CHAIN:

Part Number	
20410	Mast Tie Off Chain - 8' Long



EACH BOOM WITH
MAST TIE OFF
LOCATION,
MAST TIE OFF
CHAIN SOLD
SEPARATELY



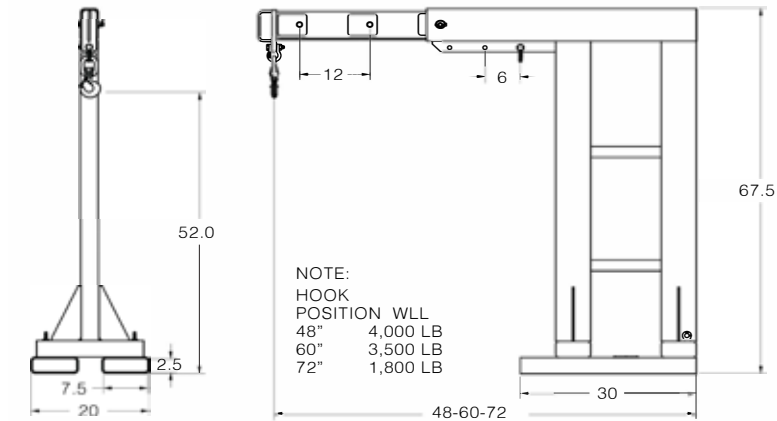
WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

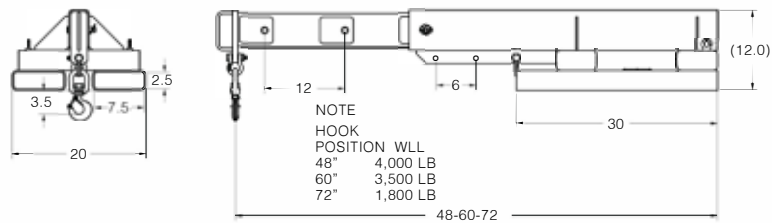
FORKLIFT ATTACHMENTS

Forklift Adjustable Boom

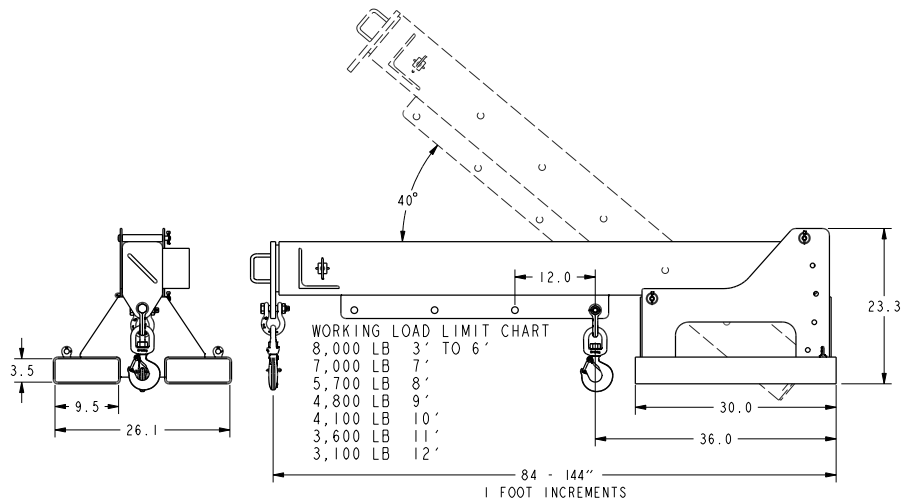
REACH OVER BOOM



STRAIGHT BOOM



PIVOT BOOM



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Easily moves trailers.
- Check with manufacturer of your forklift for load capabilities
- Made in U.S.A.
- Includes forklift restraining tabs.

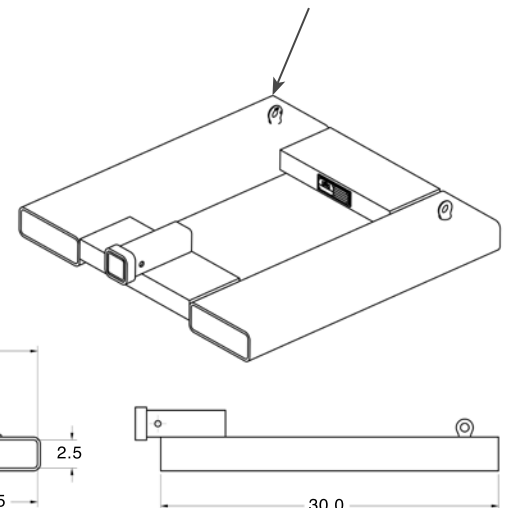
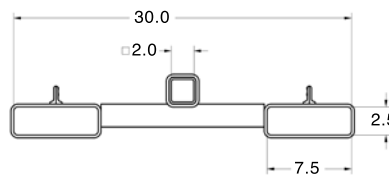
 Prop 65 – See Page 112

Part Number	Insert	Max Tongue Weight - LBS	Max Rolling Trailer Weight - LBS	Weight
19037	None (with pin)	N/A	N/A	115
23332	3 Way Ball, 1 7/8", 2", 2 5/16	600	6,000 7,500 10,000	135
23333	Pintle Mount, 4 bolt 1/2" dia x 3 3/8" x 1 3/4"	3,000	16,000	135

**RESTRAINING
TAB FOR MAST
TIE OFF CHAIN
CHAIN SOLD
SEPARATELY**

OPTIONAL MAST TIE OFF CHAIN:

Part Number	
20410	Mast Tie Off Chain - 8' Long



WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

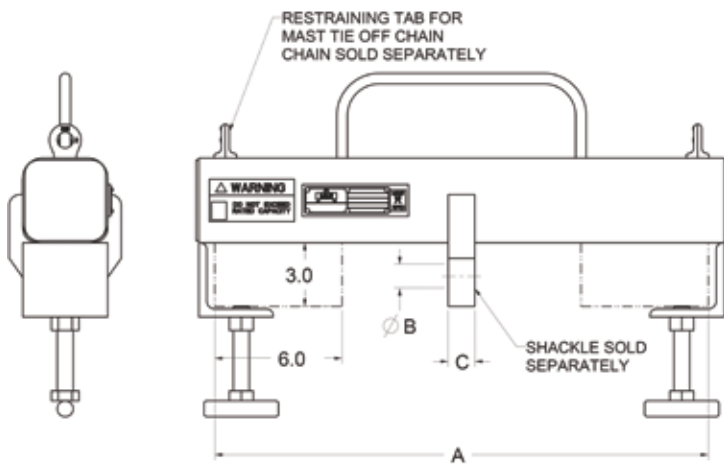
Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

FORKLIFT ATTACHMENTS

Forklift Lifting Beams Inside Shackle Mount

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Carrying handle for easy placement by personnel - **HANDLE NOT INTENDED FOR LIFTING LOADS.**
- Check with manufacturer of your forklift for load capabilities.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Includes forklift restraining tabs.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	A	B	C	Weight	Shackle Size
5,000	11619	19.25	0.810	1.00	30	5/8"
10,000	11620	23.25	1.130	1.25	50	7/8"

* Call for specifications on larger sizes and capacities

OPTIONAL MAST TIE OFF CHAIN:

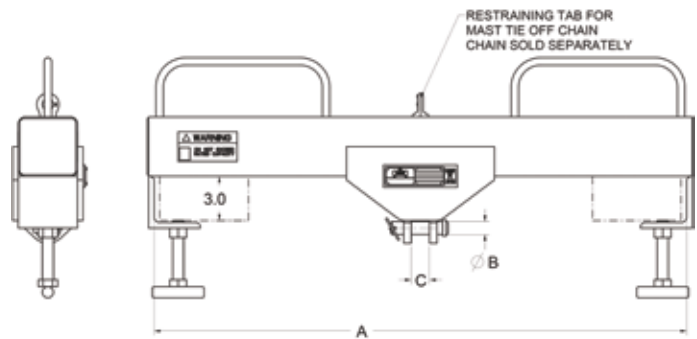
Part Number	
20410	Mast Tie Off Chain - 8' Long

WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Carrying handles for easy placement by personnel - **HANDLE NOT INTENDED FOR LIFTING LOADS.**
- Check with manufacturer of your forklift for load capabilities.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **HOOK NOT INCLUDED.**
- Swivel Hook with bearing available for applications where the load needs to swivel while suspended.
- Includes forklift restraining tabs.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Weight in Pounds	A	B	C	Swivel Hook part number	Swivel Hook with bearing part number
5,000	16337	56	36	0.88	1.25	1048831	1028614
10,000	16336	75	36	1.13	1.75	1048837	1028623
15,000	17000	135	48	1.38	2.25	1048865	1028641
20,000	16338	156	36	1.50	2.25	1048865	1028641

* Call for specifications on larger sizes and capacities

OPTIONAL MAST TIE OFF CHAIN 10,000 LBS AND UNDER

Part Number	
20410	Mast Tie Off Chain - 8' Long

OPTIONAL MAST TIE OFF CHAIN GREATER THAN 10,000 LBS

Part Number	
26274	Mast Tie Off Chain – 8' Long

WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

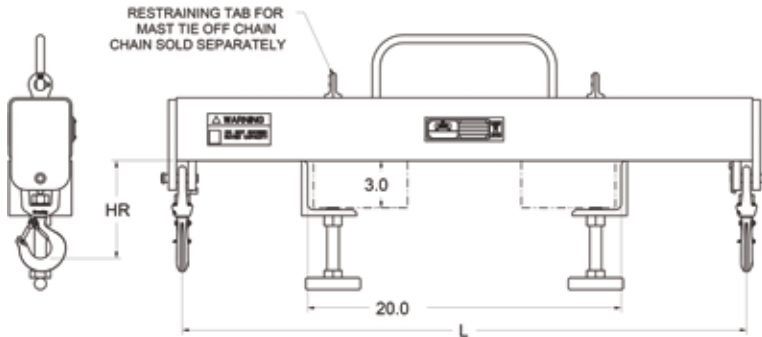
Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

FORKLIFT ATTACHMENTS

Forklift Lifting Beams Outside Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** forklift attachments proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Check with manufacturer of your forklift for load capabilities.
- Made in U.S.A.
- Custom designs available - call for engineering.
- Includes forklift restraining tabs.
- Carrying handle for easy placement by personnel - **HANDLE NOT INTENDED FOR LIFTING LOADS.**

 Prop 65 – See Page 112



**SOLD WITH HOOKS
AS SHOWN**

Working Load Limit in Pounds*	Part Number	HR	L	Weight
5,000	12343	6.2	36	49
10,000	12363	7.3	36	76
14,000	16523	8.8	36	90
22,000	16524	11.0	36	125

* Call for specifications on larger sizes and capacities

OPTIONAL MAST TIE OFF CHAIN 10,000 LBS AND UNDER

Part Number	
20410	Mast Tie Off Chain - 8' Long

OPTIONAL MAST TIE OFF CHAIN GREATER THAN 10,000 LBS

Part Number	
26274	Mast Tie Off Chain - 8' Long

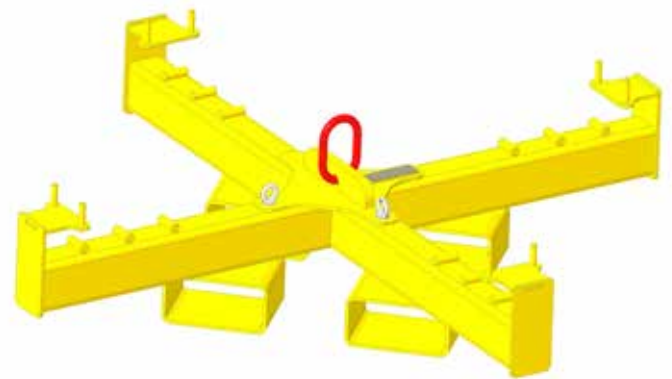
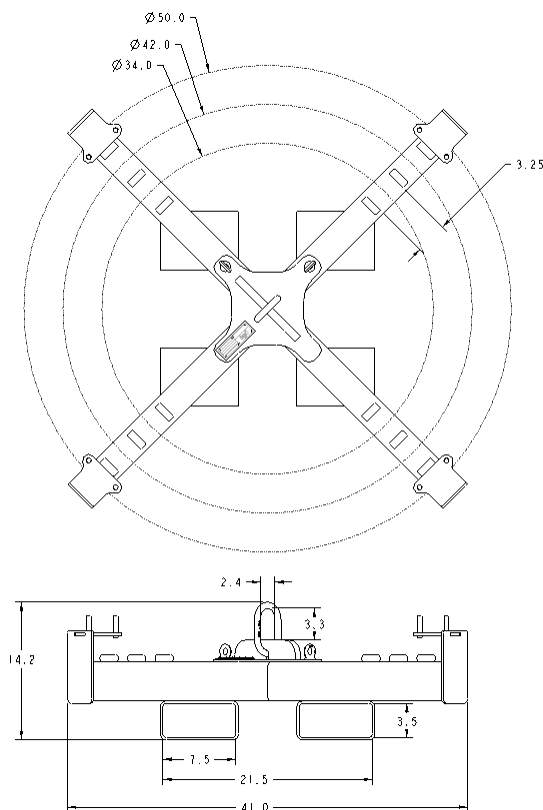
WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Check with manufacturer of your forklift for load capabilities.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Includes forklift retraining tabs.

 Prop 65 – See Page 112

Part Number	Working Load Limit	Weight
25888	4,400	160



OPTIONAL MAST TIE OFF CHAIN:

Part Number	
20410	Mast Tie Off Chain – 8" Long

WARNING: M&W fork beams, fork booms, fork pockets and other lift attachments are modifications or additions that affect capacity and/or safe operation of forklifts (powered industrial trucks) and shall not be used without prior written approval from the forklift manufacturer. Capacity, Operation, Maintenance instruction plates, tags, and/or Decals shall be changed accordingly and not provided by M&W.

Reference OSHA 1910.178 | Any forklift attachment must use a tie off restraint to prevent from sliding off forks, sold separately

PLATE CLAMPS

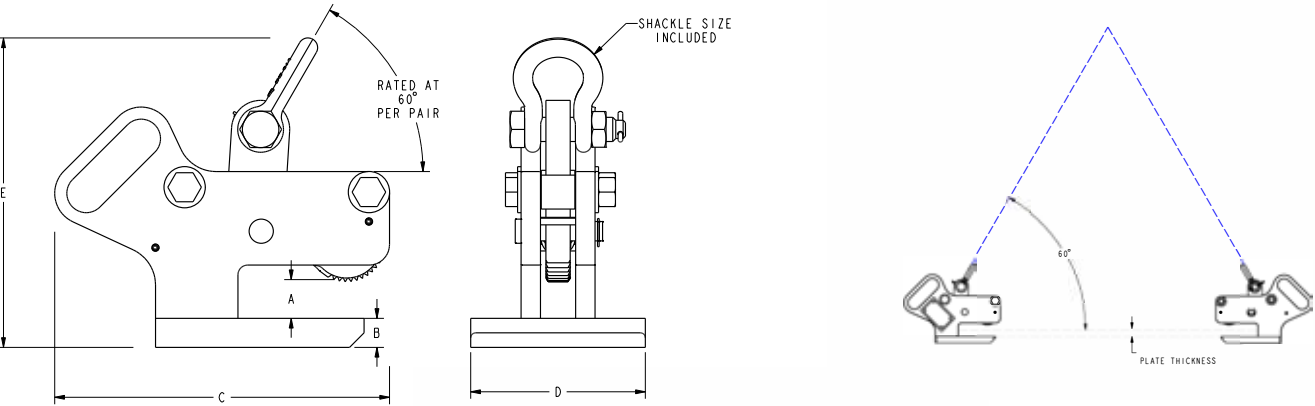
Plate Clamp - Horizontal

The M&W Horizontal Lifting Clamp is a clamp designed to safely lift and transport rolled steel plates or bundles of plates to another location while the plate or bundles of plates remain in a horizontal position. The clamp when employed in a lift must be used in pairs, or sets of pairs, or multiples, and attached to the side edges of a plate or bundle of plates positioned parallel to the floor. The rigging attached to the clamps is usually made up of multi-legged slings connected to a central hoisting point. The angle of the sling leg to the plate should be 60 degrees as illustrated in the diagram below. Lesser angles will necessitate a reduction in WLL of the clamp

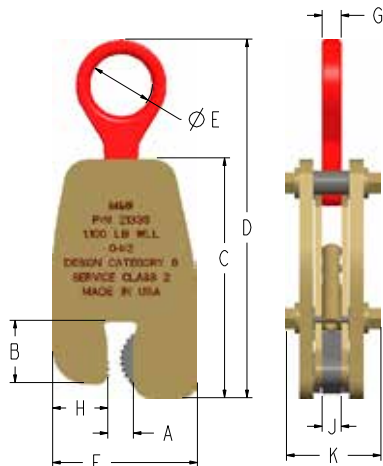
 Prop 65 – See Page 112

Part # Serrated Grip	Part # Non Marring Grip	Rating Per Pair at 60 Degrees	A Thickness Range	B	C	D	E	Shackle Size	Weight in LBS each
24255	24774	1/2 Ton (1,100 LBS)	0 – 3/4"	0.5	7.5	2.75	6.2	3/8"	8
24256	24773	1 1/2 Ton (3,300 LBS)	0 – 1"	0.75	8.6	4.5	8	1/2"	15
24775	24258	3 Ton (6,600 LBS)	0 – 1 1/4"	1	10.3	5.5	10.2	5/8"	36

* Sold as each



- Non-welded Construction.
 - No Minimum Load
 - Camming Stationary Jaw
 - Camming Stationary Jaw Automatically Returns to Preload Position
 - Self Locking Jaw Closed Mechanism
 - Self Locking Jaw Open Mechanism
 - 0 - 180 Degree Turning Permissible
 - Clamp can be mounted to the work piece without the need for the operator to put hands in the fall path of the work piece
 - Designed with a 5 -1 Design Factor Criteria
 - ASME B30.20 Operation Compliant
 - ASME B30.BTH -1 Design Compliant
 - Working Load Limit (WLL) Clearly and Legibly Marked on the Clamp
 - Serial Number Clearly and Legibly Marked on the Clamp
 - Materials of Manufacture Remain Stable Under Load
 - Clamps Can Be Used to Lift Materials with a Surface Hardness of up to 400 Brinell.
 - Clamps must be used in accordance with the Instructions in the Operator Manual.
 - Operating temperature -40 to 170° Fahrenheit.
-  Prop 65 – See Page 112



STRAIGHT

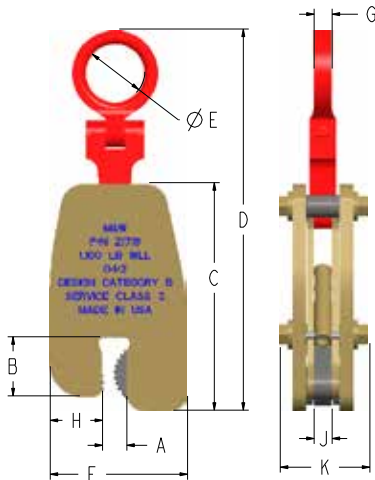
WLL (LBS)	Part #	A-Jaw Opening	B	C	D	E	F	G	H	J	K	Weight in Pounds
0-1,100	21336	0-0.5	1.64	6.31	9.44	1.63	3.81	0.5	1.45	0.5	2.5	6.1
	21716	0.5-1.0	1.64	6.31	9.44	1.63	4.31	0.5	1.45	0.5	2.5	6.4
	21717	1.0-1.5	1.64	6.31	9.44	1.63	4.81	0.5	1.45	0.5	2.5	6.7
0-2,200	21851	0-0.75	1.92	8.06	13.5	2.13	5.5	0.5	1.71	0.75	2.75	11.2
	21852	0.75-1.5	1.92	8.06	13.5	2.13	6.25	0.5	1.71	0.75	2.75	11.9
	21853	1.5-2.25	1.92	8.06	13.5	2.13	7	0.5	1.71	0.75	2.75	12.6
0-4,400	21912	0-1.0	2.41	9.37	16.1	2.38	7	0.5	2.21	0.75	3.29	19.8
	21913	1.0-2.0	2.41	9.37	16.1	2.38	8	0.5	2.21	0.75	3.29	21.5
	21914	2.0-3.0	2.41	9.37	16.1	2.38	9	0.5	2.21	0.75	3.29	24
0-11,000	22685	0-1.5	3.11	12.75	20.0	3.0	10.5	1.0	3.5	1.13	5.0	66
	22686	1.5-3.0	3.11	12.75	20.0	3.0	12.0	1.0	3.5	1.13	5.0	70
	22687	3.0-4.5	3.11	12.75	20.0	3.0	13.5	1.0	3.5	1.13	5.0	74

PLATE CLAMPS

Plate Clamp - Hinged

- Non-welded Construction.
- No Minimum Load
- Camming Stationary Jaw
- Camming Stationary Jaw Automatically Returns to Preload Position
- Self Locking Jaw Closed Mechanism
- Self Locking Jaw Open Mechanism
- 0 - 180 Degree Turning Permissible
- Clamp can be mounted to the work piece without the need for the operator to put hands in the fall path of the work piece
- Designed with a 5 -1 Design Factor Criteria
- ASME B30.20 Operation Compliant
- ASME B30.BTH -1 Design Compliant
- Working Load Limit (WLL) Clearly and Legibly Marked on the Clamp
- Serial Number Clearly and Legibly Marked on the Clamp
- Materials of Manufacture Remain Stable Under Load
- Clamps Can Be Used to Lift Materials with a Surface Hardness of up to 400 Brinell.
- Clamps must be used in accordance with the Instructions in the Operator Manual.
- Operating temperature -40 to 170° Fahrenheit.

 Prop 65 – See Page 112

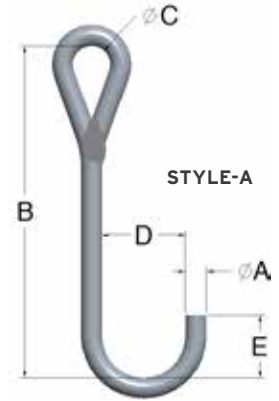


HINGED

WLL (LBS)	Part #	A-Jaw Opening	B	C	D	E	F	G	H	J	K	Weight in Pounds
0-1,100	21718	0-0.5	1.64	6.31	10.6	1.63	3.81	0.5	1.45	0.5	2.5	6.5
	21719	0.5-1.0	1.64	6.31	10.6	1.63	4.31	0.5	1.45	0.5	2.5	6.8
	21720	1.0-1.5	1.64	6.31	10.6	1.63	4.81	0.5	1.45	0.5	2.5	7.1
0-2,200	21854	0-0.75	1.92	8.06	14.7	2.13	5.5	0.5	1.71	0.75	2.75	11.7
	21855	0.75-1.5	1.92	8.06	14.7	2.13	6.25	0.5	1.71	0.75	2.75	12.3
	21856	1.5-2.25	1.92	8.06	14.7	2.13	7	0.5	1.71	0.75	2.75	13
0-4,400	21915	0-1.0	2.41	9.37	18.3	2.38	7	0.5	2.21	0.75	3.29	22.8
	21916	1.0-2.0	2.41	9.37	18.3	2.38	8	0.5	2.21	0.75	3.29	24
	21917	2.0-3.0	2.41	9.37	18.3	2.38	9	0.5	2.21	0.75	3.29	26
0-11,000	22688	0-1.5	3.11	12.75	23.0	3.0	10.5	1.0	3.5	1.13	5.0	79
	22689	1.5-3.0	3.11	12.75	23.0	3.0	12.0	1.0	3.5	1.13	5.0	82
	22690	3-4.5	3.11	12.75	23.0	3.0	13.5	1.0	3.5	1.13	5.0	85

- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- **All eyes welded unless otherwise specified.**
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**

 Prop 65 – See Page 112



Material ØA in Inches*	Part Number C = D = E =	Standard Alloy Style A Steel J-Hooks - B (length)							
		5"	6"	7"	8"	9"	10"	12"	14"
Ø 1/4" WLL = 100 Pounds	Part Number	11621-5	11621-6	11621-7	11621-8	11621-9	11621-10	11621-12	11621-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.14	0.9	0.9	0.9	0.9	1	1	1
Ø 5/16" WLL = 250 Pounds	Part Number	11622-5	11622-6	11622-7	11622-8	11622-9	11622-10	11622-12	11622-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.21	0.9	0.9	0.9	0.9	1	1	1
Ø 3/8" WLL = 365 Pounds	Part Number	11623-5	11623-6	11623-7	11623-8	11623-9	11623-10	11623-12	11623-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	E =	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
	WEIGHT	1.1	0.37	1.1	1.1	1.1	1.3	1.3	1.3
Ø 1/2" WLL = 650 Pounds	Part Number	11624-5	11624-6	11624-7	11624-8	11624-9	11624-10	11624-12	11624-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	E =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	WEIGHT	1.5	1.5	1.5	0.83	1.6	1.7	1.7	1.8
Ø 5/8" WLL = 1,000 Pounds	Part Number	11625-5	11625-6	11625-7	11625-8	11625-9	11625-10	11625-12	11625-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	E =	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
	WEIGHT	1.9	1.9	1.9	2	1.5	2	2.1	2.2
Ø 3/4" WLL = 1,450 Pounds	Part Number		11626-6	11626-7	11626-8	11626-9	11626-10	11626-12	11626-14
	C =		1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =		3.00	3.00	3.00	3.00	3.00	3.00	3.00
	E =		2.25	2.25	2.25	2.25	2.25	2.25	2.25
	WEIGHT		2.3	2.3	2.3	2.4	2.34	2.5	2.6
Ø 7/8" WLL = 1,900 Pounds	Part Number				11627-8	11627-9	11627-10	11627-12	11627-14
	C =				1.00	1.00	1.00	1.00	1.00
	D =				3.50	3.50	3.50	3.50	3.50
	E =				2.62	2.62	2.62	2.62	2.62
	WEIGHT				2.7	2.8	2.9	3.8	3.2
Ø 1" WLL = 2,600 Pounds	Part Number						11628-10	11628-12	11628-14
	C =						1.25	1.25	1.25
	D =						4.00	4.00	4.00
	E =						3.00	3.00	3.00
	WEIGHT						3	3.3	5.75

*Larger capacities and custom configurations available. Please call for ordering assistance.

LIFTING HOOKS

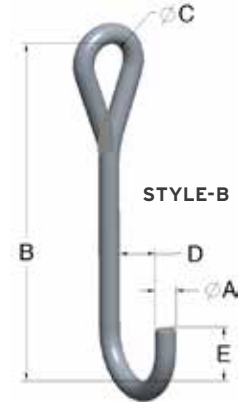
Alloy Steel J-Hooks

Eye Style B



- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- All eyes welded unless otherwise specified.
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**

Prop 65 – See Page 112



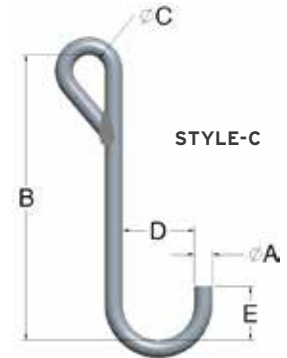
Material ØA in Inches*	Part Number C = D = E =	Standard Alloy Style B Steel J-Hooks - B (length)						
		6"	7"	8"	9"	10"	12"	14"
Ø 1/4" WLL = 100 Pounds	Part Number	11637-6	11637-7	11637-8	11637-9	11637-10	11637-12	11637-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.9	0.9	0.9	0.9	1	1	1
Ø 5/16" WLL = 250 Pounds	Part Number	11638-6	11638-7	11638-8	11638-9	11638-10	11638-12	11638-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.9	0.9	0.9	0.9	1	1	1
Ø 3/8" WLL = 365 Pounds	Part Number	11639-6	11639-7	11639-8	11639-9	11639-10	11639-12	11639-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	E =	1.12	1.12	1.12	1.12	1.12	1.12	1.12
	WEIGHT	0.37	1.1	1.1	1.1	1.3	1.3	1.3
Ø 1/2" WLL = 650 Pounds	Part Number	11640-6	11640-7	11640-8	11640-9	11640-10	11640-12	11640-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	E =	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	WEIGHT	1.5	1.5	0.83	1.6	1.7	1.7	1.8
Ø 5/8" WLL = 1,000 Pounds	Part Number	11641-6	11641-7	11641-8	11641-9	11641-10	11641-12	11641-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	E =	1.87	1.87	1.87	1.87	1.87	1.87	1.87
	WEIGHT	1.9	1.9	2	1.5	2	2.1	2.2
Ø 3/4" WLL = 1,450 Pounds	Part Number	11642-6	11642-7	11642-8	11642-9	11642-10	11642-12	11642-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	E =	2.25	2.25	2.25	2.25	2.25	2.25	2.25
	WEIGHT	2.3	2.3	2.3	2.4	2.9	2.5	2.6
Ø 7/8" WLL = 1,900 Pounds	Part Number			11643-8	11643-9	11643-10	11643-12	11643-14
	C =			1.00	1.00	1.00	1.00	1.00
	D =			3.50	3.50	3.50	3.50	3.50
	E =			2.62	2.62	2.62	2.62	2.62
	WEIGHT			2.7	2.8	2.9	3.8	3.2
Ø 1" WLL = 2,600 Pounds	Part Number					11644-10	11644-12	11644-14
	C =					1.25	1.25	1.25
	D =					4.00	4.00	4.00
	E =					3.00	3.00	3.00
	WEIGHT					3	3.3	5.75

*Larger capacities and custom configurations available. Please call for ordering assistance.

- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- All eyes welded unless otherwise specified.
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.

- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**

 Prop 65 – See Page 112



Material ØA in Inches*	Part Number C = D = E =	Standard Alloy Style C Steel J-Hooks - B (length)							
		5"	6"	7"	8"	9"	10"	12"	14"
Ø 1/4" WLL = 100 Pounds	Part Number	11653-5	11653-6	11653-7	11653-8	11653-9	11653-10	11653-12	11653-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.14	0.9	0.9	0.9	0.9	1	1	1
Ø 5/16" WLL = 250 Pounds	Part Number	11654-5	11654-6	11654-7	11654-8	11654-9	11654-10	11654-12	11654-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.21	0.9	0.9	0.9	0.9	1	1	1
Ø 3/8" WLL = 365 Pounds	Part Number	11655-5	11655-6	11655-7	11655-8	11655-9	11655-10	11655-12	11655-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	E =	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
	WEIGHT	1.1	0.37	1.1	1.1	1.1	1.3	1.3	1.3
Ø 1/2" WLL = 650 Pounds	Part Number	11656-5	11656-6	11656-7	11656-8	11656-9	11656-10	11656-12	11656-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	E =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	WEIGHT	1.5	1.5	1.5	0.83	1.6	1.7	1.7	1.8
Ø 5/8" WLL = 1,000 Pounds	Part Number	11657-5	11657-6	11657-7	11657-8	11657-9	11657-10	11657-12	11657-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	E =	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
	WEIGHT	1.9	1.9	1.9	2	1.5	2	2.1	2.2
Ø 3/4" WLL = 1,450 Pounds	Part Number		11658-6	11658-7	11658-8	11658-9	11658-10	11658-12	11658-14
	C =		1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =		3.00	3.00	3.00	3.00	3.00	3.00	3.00
	E =		2.25	2.25	2.25	2.25	2.25	2.25	2.25
	WEIGHT		2.3	2.3	2.3	2.4	2.34	2.5	2.6
Ø 7/8" WLL = 1,900 Pounds	Part Number				11659-8	11659-9	11659-10	11659-12	11659-14
	C =				1.00	1.00	1.00	1.00	1.00
	D =				3.50	3.50	3.50	3.50	3.50
	E =				2.62	2.62	2.62	2.62	2.62
	WEIGHT				2.7	2.8	2.9	3.8	3.2
Ø 1" WLL = 2,600 Pounds	Part Number						11660-10	11660-12	11660-14
	C =						1.25	1.25	1.25
	D =						4.00	4.00	4.00
	E =						3.00	3.00	3.00
	WEIGHT						3	3.3	5.75

*Larger capacities and custom configurations available. Please call for ordering assistance.

LIFTING HOOKS

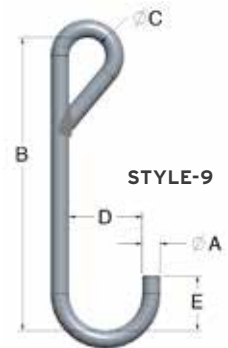
Alloy Steel J-Hooks

Eye Style 9



- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- **All eyes welded unless otherwise specified.**
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**

Prop 65 – See Page 112

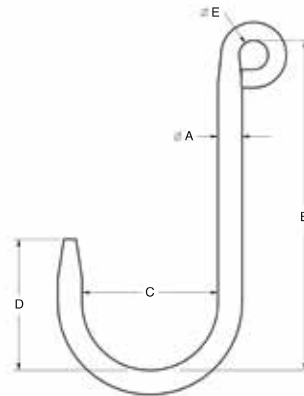


Material ØA in Inches*	Part Number C = D = E =	Standard Alloy Style 9 Steel J-Hooks - B (length)							
		5"	6"	7"	8"	9"	10"	12"	14"
Ø 1/4" WLL = 100 Pounds	Part Number	19475-5	19475-6	19475-7	19475-8	19475-9	19475-10	19475-12	19475-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.9	0.9	0.9	0.9	0.9	1	1	1
Ø 5/16" WLL = 250 Pounds	Part Number	19476-5	19476-6	19476-7	19476-8	19476-9	19476-10	19476-12	19476-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
	E =	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
	WEIGHT	0.9	0.9	0.9	0.9	0.9	1	1	1
Ø 3/8" WLL = 365 Pounds	Part Number	19477-5	19477-6	19477-7	19477-8	19477-9	19477-10	19477-12	19477-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	E =	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
	WEIGHT	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
Ø 1/2" WLL = 650 Pounds	Part Number	19478-5	19478-6	19478-7	19478-8	19478-9	19478-10	19478-12	19478-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
	E =	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
	WEIGHT	1.5	1.5	1.5	1.5	1.6	1.7	1.7	1.8
Ø 5/8" WLL = 1,000 Pounds	Part Number	19479-5	19479-6	19479-7	19479-8	19479-9	19479-10	19479-12	19479-14
	C =	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
	E =	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87
	WEIGHT	1.9	1.9	1.9	2	2	2	2.1	2.2
Ø 3/4" WLL = 1,450 Pounds	Part Number		19480-6	19480-7	19480-8	19480-9	19480-10	19480-12	19480-14
	C =		1.00	1.00	1.00	1.00	1.00	1.00	1.00
	D =		3.00	3.00	3.00	3.00	3.00	3.00	3.00
	E =		2.25	2.25	2.25	2.25	2.25	2.25	2.25
	WEIGHT		2.3	2.3	2.3	2.4	2.4	2.5	2.6
Ø 7/8" WLL = 1,900 Pounds	Part Number				19481-8	19481-9	19481-10	19481-12	19481-14
	C =				1.00	1.00	1.00	1.00	1.00
	D =				3.50	3.50	3.50	3.50	3.50
	E =				2.62	2.62	2.62	2.62	2.62
	WEIGHT				2.7	2.8	2.9	3	3.2
Ø 1" WLL = 2,600 Pounds	Part Number						19482-10	19482-12	19482-14
	C =						1.25	1.25	1.25
	D =						4.00	4.00	4.00
	E =						3.00	3.00	3.00
	WEIGHT						3	3.3	3.6

*Larger capacities and custom configurations available. Please call for ordering assistance.

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Tapered tip.
- Available in long and short reach.
- **Maximum use temperature is 400° F.**
- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- All eyes welded unless otherwise specified.

 Prop 65 – See Page 112



Material ØA in Inches*	Part Number	Long Reach Foundry Hooks					Working Load Limit in Pounds*	Weight LBS
		A	B	C	D	E		
1/2	14601	0.50	6.00	2.50	2.31	0.75	500	.90
5/8	14602	0.62	8.50	3.50	3.38	0.75	800	1.4
3/4	14603	0.75	8.50	3.50	3.38	0.75	1,250	2.0
13/16	14604	0.81	8.50	3.50	3.25	0.88	1,600	2.5
1	14605	1.00	8.50	4.00	3.75	1.00	2,500	4.0

*Larger capacities and custom configurations available. Please call for ordering assistance.

Material ØA in Inches*	Part Number	Short Reach Foundry Hooks					Working Load Limit in Pounds*	Weight LBS
		A	B	C	D	E		
1/2	14782	0.50	6.00	3.00	3.00	0.75	450	.90
5/8	14783	0.62	6.00	3.00	3.00	0.75	900	1.4
3/4	14784	0.75	6.00	3.00	3.00	0.75	1,400	2.0
13/16	14785	0.81	6.00	3.00	3.00	0.88	2,000	2.5
1	14786	1.00	6.00	3.00	3.00	1.00	3,000	4.0

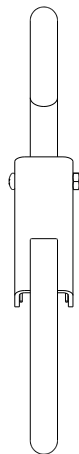
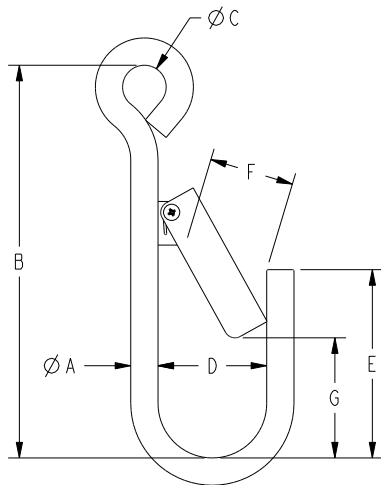
*Larger capacities and custom configurations available. Please call for ordering assistance.

LIFTING HOOKS

Alloy Steel Latching J-Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- $\pm 4\%$ on dimensions.
- All eyes welded unless otherwise specified.
- **Maximum use temperature is 400° F.**

 Prop 65 – See Page 112



STYLE B



STYLE A

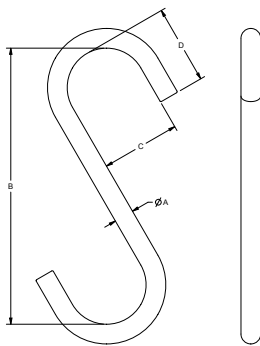
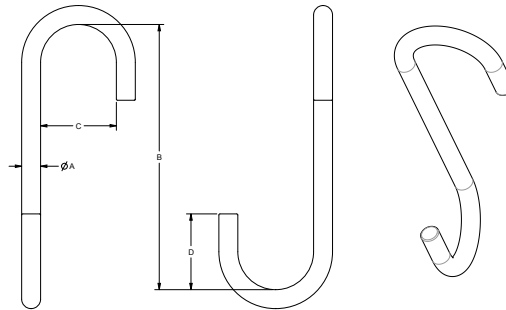
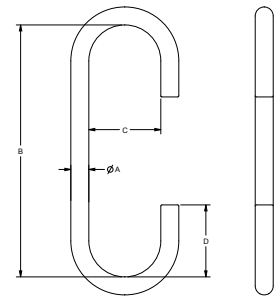


Material ØA in Inches*	Style A Part Number	Style B Part Number	Standard Alloy Steel J-Hooks							Latch	Working Load Limit in Pounds*	Weight LBS
			A	B	C	D	E	F	G			
1/4	16284	17595	0.25	4.50	1.00	1.25	2.00	0.75	1.2	23980	125	.20
5/16	16016	17596	0.32	5.00	1.00	1.25	2.00	0.80	1.2	23980	250	.30
3/8	14924	17611	0.38	6.00	1.00	1.50	2.38	0.96	1.3	23980	365	.55
1/2	14767	17612	0.50	8.00	1.00	2.00	3.13	1.50	1.7	23981	650	1.2
5/8	14930	17613	0.62	9.00	1.00	2.50	4.32	1.76	2.5	23888	1,000	2.0
3/4	16383	17614	0.75	10.00	1.25	3.00	5.25	2.21	3.0	23889	1,435	3.4
7/8	16384	17615	0.88	12.00	1.25	3.50	6.25	2.57	3.5	23890	1,900	5.0
1	16385	17616	1.00	14.00	1.25	4.50	8.25	3.70	4.5	23891	2,300	8.0

*Larger capacities and custom configurations available. Please call for ordering assistance.

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**
- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- Square and hex stock available.

 Prop 65 – See Page 112


STYLE A

STYLE B

STYLE C

Material ØA in Inches*	Part Number			Standard Alloy Steel S-Hooks					Working Load Limit in Pounds*
	Style A	Style B	Style C	A	B	C	D	Weight	
1/4	14189	14198	14207	0.25	5.00	1.25	1.25	0.1	100
5/16	14190	14199	14208	0.31	5.00	1.25	1.25	0.1	250
3/8	14191	14200	14209	0.38	6.00	1.50	1.50	0.3	365
1/2	14192	14201	14210	0.50	7.00	2.00	2.00	0.6	650
9/16	14193	14202	14211	0.56	9.00	2.25	2.25	0.9	800
5/8	14194	14203	14212	0.63	9.00	2.50	2.50	1.2	1,000
3/4	14195	14204	14213	0.75	9.00	2.25	2.25	2.1	1,790
7/8	14196	14205	14214	0.88	10.00	2.63	2.63	3.3	2,440
1	14197	14206	14215	1.00	11.00	3.00	3.00	5.0	3,190

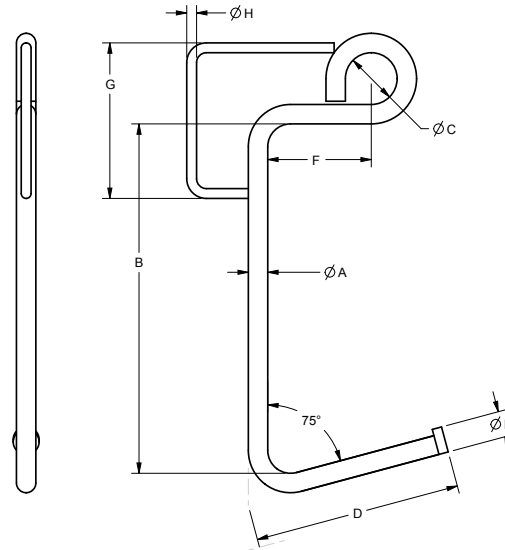
*Larger capacities and custom configurations available. Please call for ordering assistance.

LIFTING HOOKS

Alloy Steel Sorting Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- All eyes welded unless otherwise specified.
- **Maximum use temperature is 400° F.**
- Handle not designed for lifting.

 Prop 65 – See Page 112



Material ØA in Inches*	Part Number	Standard Alloy Steel Sorting Hooks						Weight	Working Load Limit in Pounds*
		B	C	D	E	F	G		
1/2	13457	3.25	1.50	4.00	0.75	1.88	4.00	1.0	100
3/4	13425	13.50	2.00	8.00	1.00	4.00	6.00	4.5	300
7/8	13424	13.50	2.00	8.00	1.00	3.88	6.00	6.0	450

*Larger capacities and custom configurations available. Please call for ordering assistance.

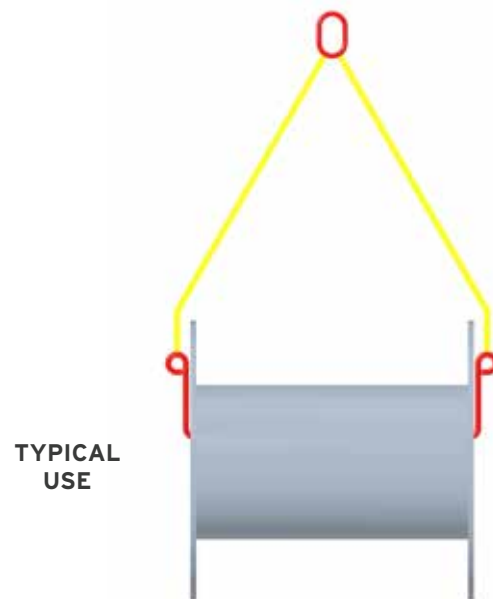
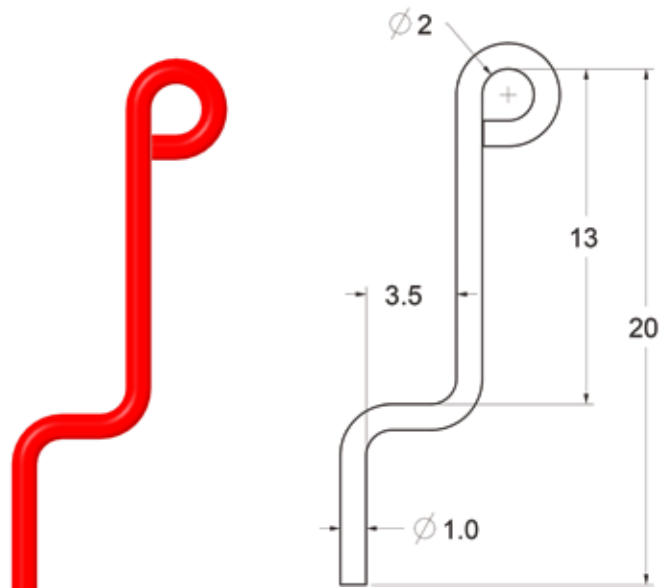
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Powder coat painted safety red for increased visibility.
- Proof load certificates included.
- Durable construction ideally suited to jobsite use.

- Made in U.S.A.
- $\pm 4\%$ on dimensions.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Weight
3,000	13409	5

- 3,000 pound Working Load Limit per hook.
- 6,000 pound Working Load Limit at 60 degrees when used in pairs.
- 1" diameter hook fits most any reel opening.
- Hook design permits almost universal use no matter the reel size or configuration.
- Shown on 2-leg bridle sling.
- Optional 2-leg bridle sling available upon request.
- Call for details.
- Sold as each.

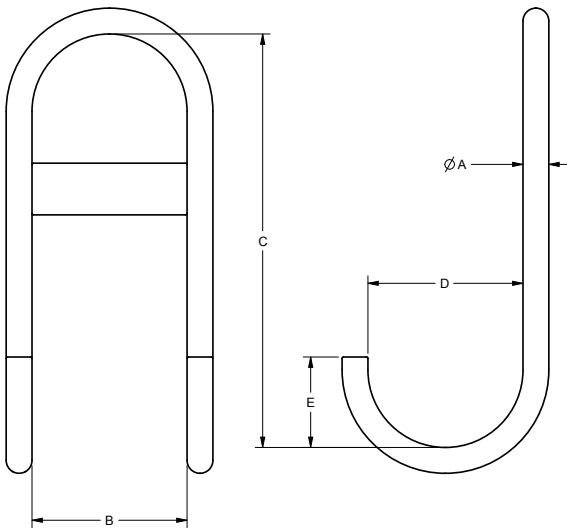


LIFTING HOOKS

Stirrup/Double Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- **Maximum use temperature is 400° F.**

 Prop 65 – See Page 112



Material ØA in Inches*	Part Number	A	B	C	D	E	Weight	Working Load Limit in Pounds*
3/8	16386	0.38	2.50	8.00	2.50	1.75	1.0	450
1/2	16387	0.50	3.00	8.00	3.00	1.75	1.8	900
5/8	16388	0.63	3.50	9.00	3.50	2.50	3.2	1,500
3/4	16389	0.75	4.00	10.00	4.00	2.50	4.9	2,250
1	16390	1.00	4.50	12.00	4.50	3.00	10.0	4,600

*Larger capacities and custom configurations available. Please call for ordering assistance.



USER RESPONSIBILITIES FOR INSPECTION, MAINTENANCE AND SAFE OPERATION FOR: J-HOOKS

INSPECTION, TESTING, AND MAINTENANCE

A. INITIAL INSPECTION

1. New and reinstalled J-hooks shall be inspected by a qualified person prior to initial use. J-hooks manufactured by Machining & Welding are proof loaded prior to delivery of the J-hook.
2. Altered, repaired, or modified J-hooks shall be inspected by a qualified person.

B. EVERY LIFT INSPECTION

1. Visual inspection by the operator before and during each lift made with the J-hook.

C. FREQUENT INSPECTION

1. Normal service - monthly.
2. Heavy service - weekly.
3. Severe service - daily.
4. Special or infrequent service - as recommended by a qualified person before and after each occurrence.

C. PERIODIC INSPECTION

Visual inspection by a qualified person making records of apparent external conditions to provide the basis for continuing evaluation. An external legible tag on the J-hook is an acceptable identification in lieu of written records.

1. Normal service - yearly.
2. Heavy service - semiannually.
3. Severe service - quarterly.
4. Special or infrequent service - as recommended by a qualified person before the first such occurrence and as directed by the qualified person for any subsequent occurrences.

PAINT REMOVAL AND INSPECTION

J-hooks (including paint line hooks) which are used in a painting booth or paint line environment shall be visually inspected by a qualified person and classified as operating in a "Severe service" environment. When paint residue is cleaned from the J-hook, a visual inspection by a designated person shall take place and be documented.

PAINT LINE J-HOOK REMOVAL CRITERIA

J-hooks (including paint line hooks) which are used in a painting booth or paint line environment should be replaced, regardless of apparent external condition, every 6 months. Chemicals used in modern paint booth and paint line environments commonly contribute to the fatigue and crystallization of alloy steel when used repeatedly. In service periods longer than 6 months, J-hooks can become dangerously brittle. This condition contributes to the J-hooks service life being shortened. This condition also causes the J-hook to become susceptible to sudden and catastrophic failure. Therefore, any J-hook (including paint line hooks) used in a painting booth or paint line environment should be replaced every 6 months.

LIFTING HOOKS

Plate Lifting Hooks

For use with Grade 80 or Grade 100 Chain Slings



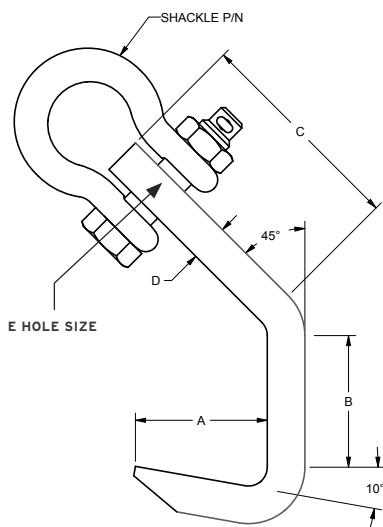
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Powder coat painted safety red for increased visibility.
- **ALL** plate hooks shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Grade 100 Chain Size	A	B	C	D	E - Hole Size	G	Weight	Shackle Part Number
4,300	11721	9/32"	2.00	1.75	2.50	0.63	0.83	2.50	3	M850P
8,800	11722	3/8"	2.63	3.00	4.31	0.75	0.95	3.00	6	M851P
15,000	11723	1/2"	3.50	4.00	4.38	1.00	1.21	3.50	13	M853P
22,600	18866	5/8"	4.38	5.00	5.44	1.25	1.60	5.00	27	M855P

* Call for specifications on larger sizes and capacities - **HOOKS SOLD INDIVIDUALLY**

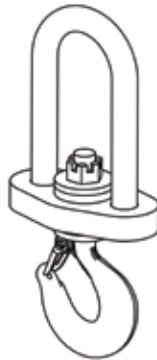
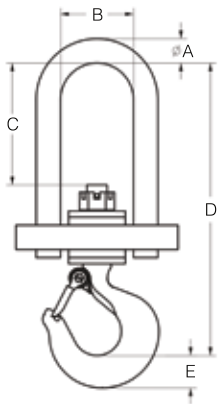
- Supplied **with** Safety Shackle, as per picture.
- Powder coated red - custom colors available on request.
- Made from alloy material - designed to handle plate steel.
- Available as lifting components or attached to certified lifting chain slings.
- **Recommended to be used at a minimum of a 45° horizontal rigging angle.**



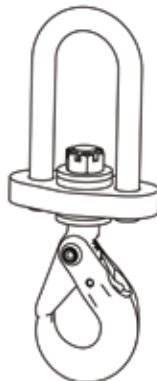
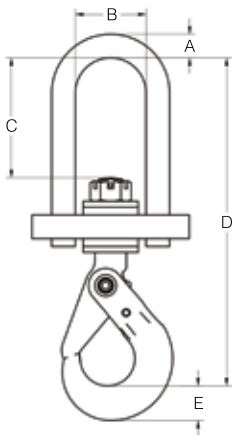
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- **ALL** Lifting Hooks proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- All dimensions in inches unless otherwise noted.
- Electrically insulated - helps eliminate current flow that may damage hoists and lifting equipment.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	A	B	C	D	E	F	Weight in Pounds	Color
4,000	16355	0.75	2.25	3.75	9.0	1.0	2.75	6	Yellow
4,500	16358	0.75	2.25	3.81	10.43	1.1	2.75	7	Green



- 16355 Swivel hook with latch
- 16358 Crosby Shur-Loc® hook
- Insulated to 2,000 VDC
- **Do Not Rotate Under Load**



LIFTING HOOKS

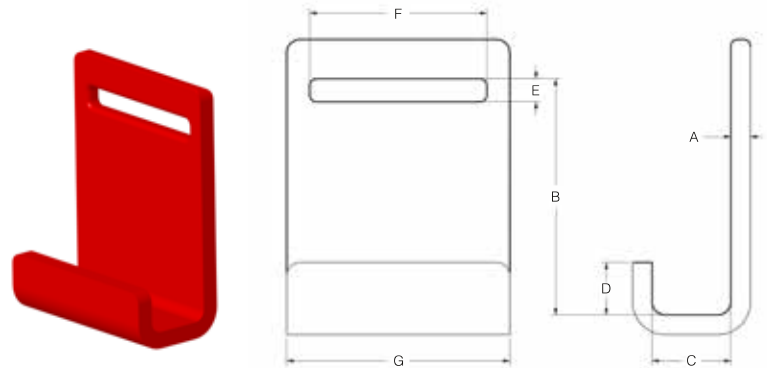
Alloy Steel Flat Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **Maximum use temperature is 400° F.**
- $\pm 4\%$ on dimensions.
- Custom designs available - call for engineering.
- Working Load Limit indicated is for the bottom of the hooks - **DO NOT TIP LOAD.**

 Prop 65 – See Page 112

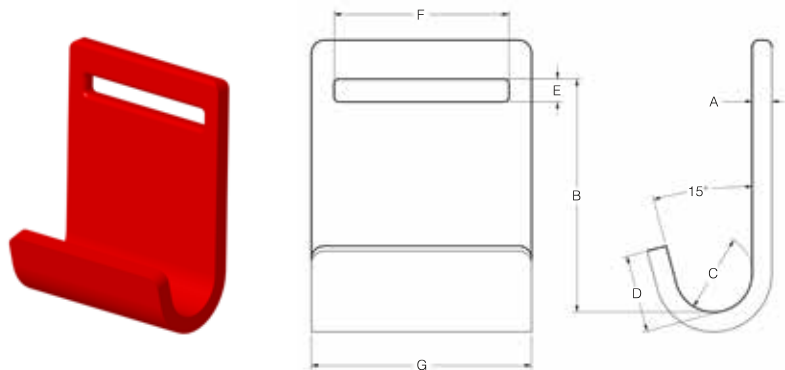
Style A*	Part Number	A	B	C	D	E	F	G	Weight	Working Load Limit in Pounds*
1/4	16397	0.25	4.25	1.00	0.75	0.44	2.38	3.00	1.4	3,200
3/8	16398	0.38	4.50	1.50	1.00	0.44	3.38	4.25	3.4	4,800
1/2	16399	0.50	4.75	1.75	1.25	0.44	4.38	5.25	6.2	6,400

*Larger capacities and custom configurations available. Please call for ordering assistance.



Style B*	Part Number	A	B	C	D	E	F	G	Weight	Working Load Limit in Pounds*
1/4	16400	0.25	4.25	1.00	0.75	0.44	2.38	3.00	1.0	3,200
3/8	16401	0.38	4.50	1.50	1.50	0.44	3.38	4.25	3.3	4,800
1/2	16402	0.50	4.75	1.75	1.75	0.44	4.38	5.25	6.0	6,400

*Larger capacities and custom configurations available. Please call for ordering assistance.

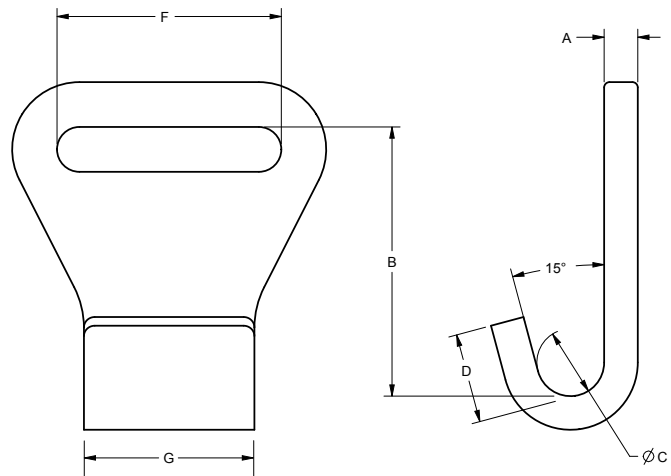


- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Corrosion resistant finish.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.

- **Maximum use temperature is 400° F.**
- Working Load Limit indicated is for the bottom of the hooks - **DO NOT TIP LOAD.**

 Prop 65 – See Page 112

	Part Number	A	B	C	D	E	F	G	Weight	Working Load Limit in Pounds*
3/16	17618	0.19	1.50	0.25	0.38	0.25	1.25	0.95	0.2	400
3/16	17619	0.19	1.50	0.38	0.50	0.25	1.25	0.95	0.2	300



LIFTING HOOKS

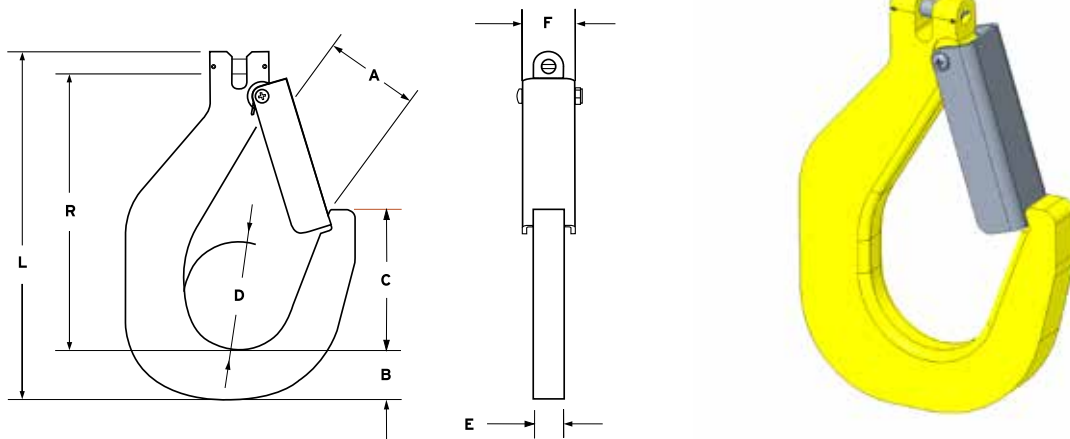
Clevis Hooks

For use with Grade 80 or Grade 100 Chain Slings



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Powder coat painted safety yellow for increased visibility.
- **ALL** hooks shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Proof tested at 2 times working load limit.
- Extra heavy duty formed stainless latch.
- Large over-sized hook opening.
- Made in U.S.A.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Chain Size (in/mm)		A	B	C	D	E	F	L	R	Weight per Each	Latch Kit P/N
3,200	25843	7/32	6	2.4	1.25	3.55	2.75	0.75	1.4	8.8	7	5	23889
4,300	25842	1/4 (9/32)	7	2.4	1.25	3.55	2.75	0.75	1.4	8.8	7	5	23889

PERSONNEL BASKET

with optional Test Weight and Suspension Rigging

- Meets or exceeds ASME B30.23 specifications.
- **EACH** personnel basket individually load tested with inspection and OSHA certification paperwork included.
- Sides enclosed with solid metal to the intermediate rail.
- Grab rail on entire perimeter.
- Non-slip, diamond plate steel floor.
- Inward swing, locking access door. Heavy-duty hinge and latch standard on all models.
- Guardrail system complies with OSHA 29 CFR Part 1926.1431(e)6 and 1926.1431(e)7.

- Permanent identification/data plate standard on all models.
- Product liability insurance certificate available upon request.
- Solid, removable roof design is standard on all models - keeps weather off personnel to comply with OSHA 1926.1431(e)10.
- Permanent tie-off points for materials and tools to comply with OSHA 1926.1431(e).
- Lifting point shackles not included.

 Prop 65 – See Page 112



OPTIONAL EQUIPMENT

- Pin-on, removable test weight.
- 4 Leg Suspension Bridle with Bolt-Type anchor shackles.
- **Not to be used as a fork lift personnel basket**



OPTIONAL TOP RIGGING

OPTIONAL TEST WEIGHT

					OPTIONAL EQUIPMENT		
Capacity in Pounds*	Basket Part Number	Max # of People	Weight	Size A x B	Test Weight Part Number	Test Weight Quantity	4 Leg Suspension Bridle Part Number
500	14347	1	735	40" x 34"	14369	1	15189
1,000	12741	2	945	48" x 48"	12748	1	15189
1,500	12757	3	1200	72" x 48"	12766	1	15190
2,000	12755	4	1525	94" x 48"	12748	2	15191

* Call for specifications on larger sizes and capacities

MID RAIL HEIGHT / NO TOP

1,000	25355	2	640	48" x 48"	12748	1	15189
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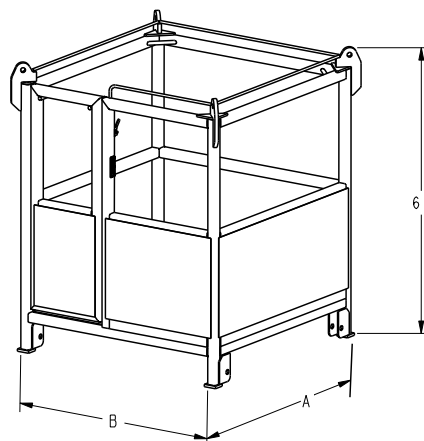
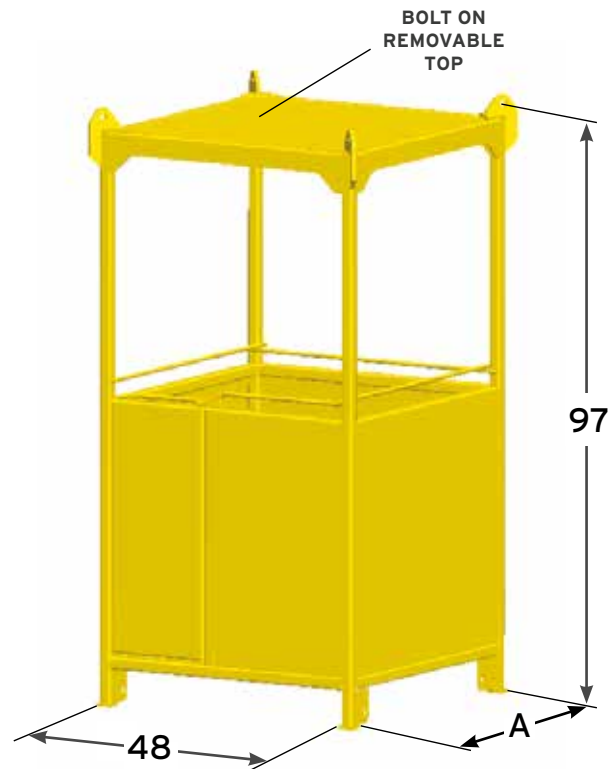
SUSPENDED PERSONNEL BASKET

with optional Test Weight and Suspension Rigging

- Painted safety yellow for increased visibility.
- **ALL** Personnel Baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.

- Made in U.S.A.
- Lifting point shackles included with suspension rigging.

 Prop 65 – See Page 112

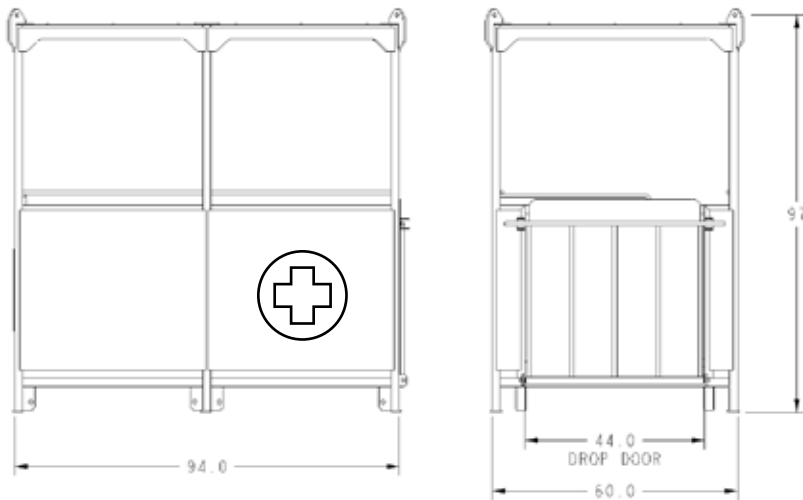


RESCUE PERSONNEL BASKET

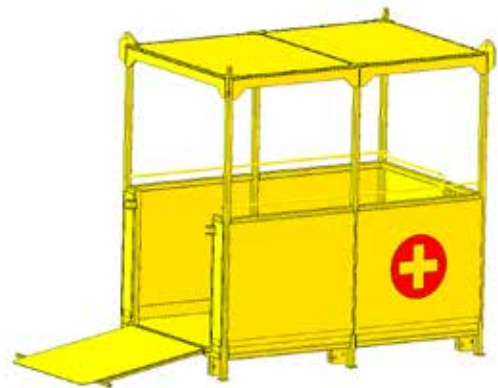
with optional Test Weight and Suspension Rigging

- Meets or exceeds ASME B30.23 specifications.
- **EACH** personnel basket individually load tested with inspection and OSHA certification paperwork included.
- Sides enclosed with solid metal to the intermediate rail.
- Grab rail on entire perimeter.
- Non-slip, diamond plate steel floor.
- Inward swing, locking access door. Heavy-duty hinge and latch standard on all models.
- Guardrail system complies with OSHA 29 CFR Part 1926.1431(e)6 and 1926.1431(e)7.
- Permanent identification/data plate standard on all models.
- Product liability insurance certificate available upon request.
- Solid, removable roof design is standard on all models - keeps weather off personnel to comply with OSHA 1926.1431(e)10.
- Permanent tie-off points for materials and tools to comply with OSHA 1926.1431(e).
- Lifting point shackles not included.

 Prop 65 – See Page 112



ENTRY DOOR AND DROP RAMP



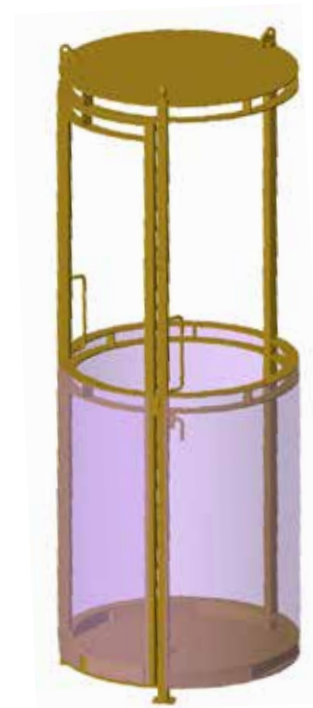
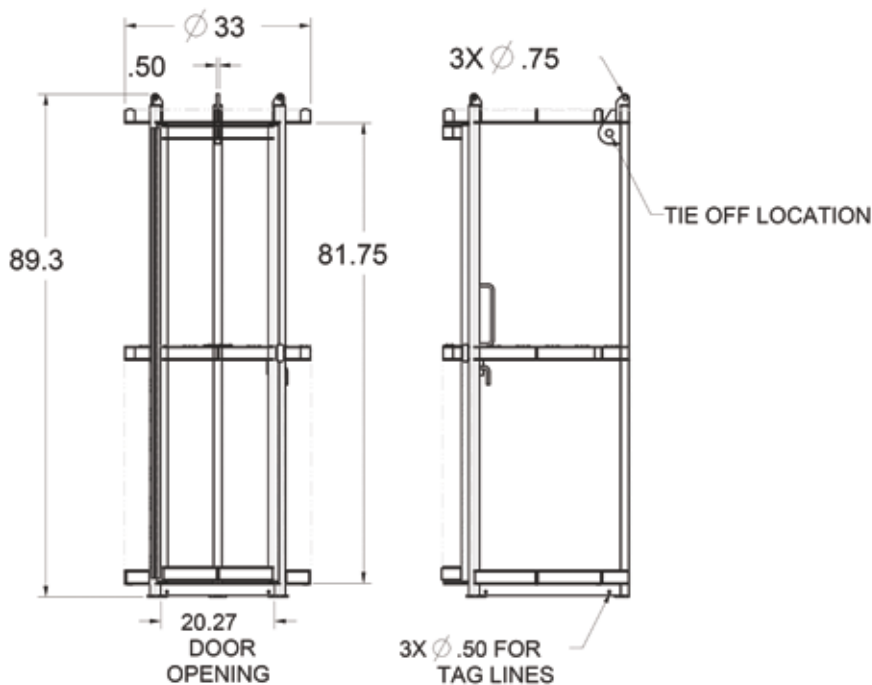
Capacity in Pounds*	Basket Part Number	Max # of People	Weight	Size A x B	Test Weight Part Number	Test Weight Quantity	4 Leg Suspension Bridle Part Number
2,000	25935	4	1750	94" x 60"	12748	2	15191

SUSPENDED ROUND PERSONNEL BASKET

with optional Test Weight

- Painted safety yellow for increased visibility.
- **ALL** Personnel Baskets shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Lifting point shackles not included.

 Prop 65 – See Page 112



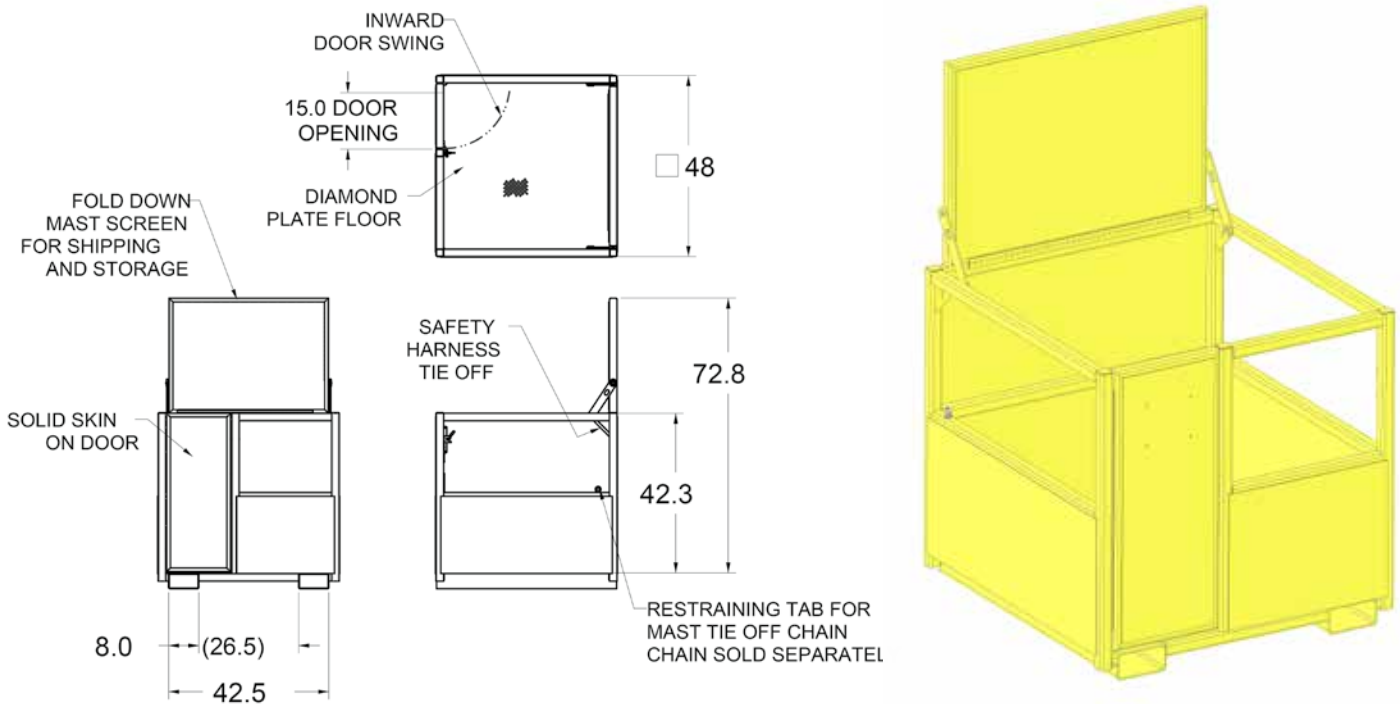
Capacity in Pounds*	Basket Part Number	Max # of People	Weight	Outside Diameter
500	16465	1	550	33"

* Call for specifications on larger sizes and capacities

OPTIONAL EQUIPMENT	
Test Weight	15729
3-leg suspension rigging bridle with Bolt-Type anchor shackles	19514

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Inward swing, locking access door.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **MUST** be tied to forklift during use.

 Prop 65 – See Page 112



OPTIONAL MAST TIE OFF CHAIN:

Part Number	Capacity in Pounds	Max # of People	Weight in Pounds
20988	1,000	2	775

Part Number	
20410	Mast Tie Off Chain - 8' Long

WHAT IS A **VERTICALLY** **INTEGRATED** COMPANY?



Not all branded products are manufactured by the brand owner. Some manufacturers outsource their below the hook lifting fixtures, leading to lower quality and consistency since the manufacturer loses control of the process when manufacturing is done elsewhere.

In addition, when you buy directly from manufacturers like this, you might miss out on local distributor support and customer service. But with a vertically integrated supply chain, from raw material to finished products, you know exactly where your product comes from.



VERTICALLY INTEGRATED

■ **END USER**



■ **DISTRIBUTOR**



■ **MACHINING
& WELDING**



■ **RAW MATERIAL
SUPPLIER**



- Manufactured to exceed all ASME B30.9 and OSHA 1910.184 regulations.
- Durable, heavy-duty tags ideally suited to jobsite or warehouse use.

- Custom tagging available - call for details.

 Prop 65 – See Page 112



Part Number	Working Load Limit
21096	500

BARREL, DRUM, CYLINDER & BUCKET LIFTING

Barrel/Bucket Lifter

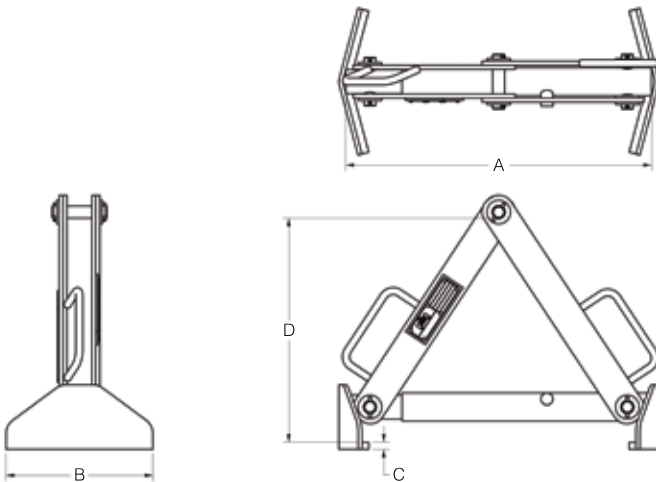


- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Durable construction ideally suited to jobsite or warehouse use.
- Drum lid MUST be properly secured
- Self-adjusting to lift rimmed steel, plastic or fiber drums
- Made in U.S.A.
- Machined to exacting tolerances.
- Custom designs available - call for engineering.
- **ALL lifting equipment individually proof loaded per OSHA requirements.**

 Prop 65 – See Page 112

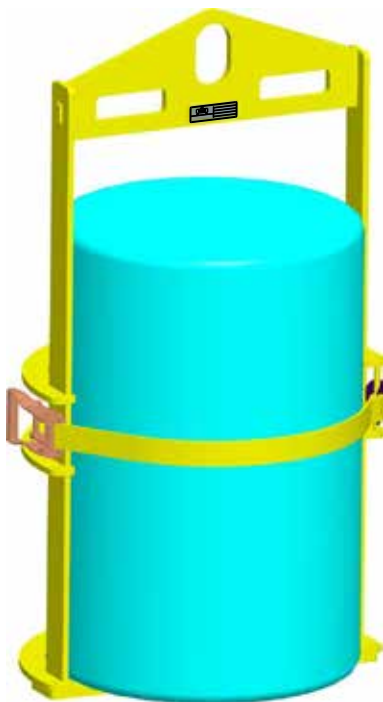
Working Load Limit in Pounds*	Part Number	Weight in Pounds	A min	A max	B	C	D
1,200	16291	22	18.0	29.0	9.1	0.44	13.9
1,000	16656	17	14.0	20.0	9.1	0.44	11.9

* Call for specifications on larger sizes and capacities

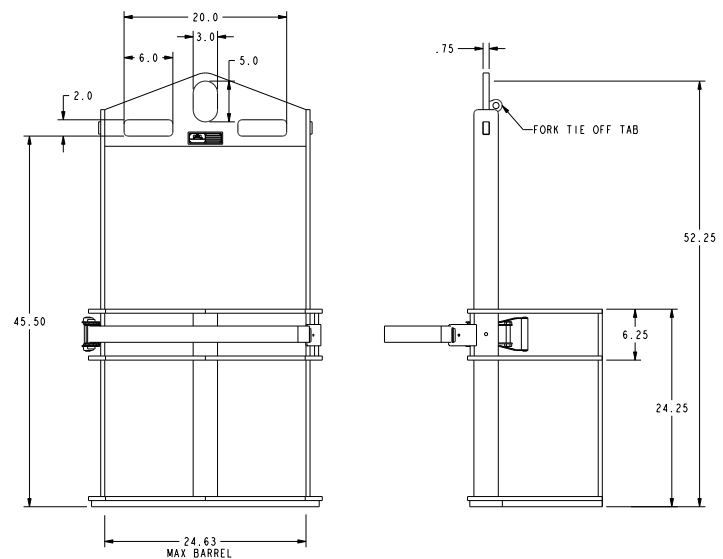


- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Durable construction ideally suited to jobsite or warehouse use.
- Ratchet strap secures drum
- Used with 30 & 55 gallon fiber, steel or plastic drums
- Vertical lifting only
- Shackles not included
- Maximum drum dia is 24.63
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL lifting equipment individually proof loaded per OSHA requirements.**

 Prop 65 – See Page 112



Part Number	Working Load Limit	Weight
23589	1,000	160



OPTIONAL MAST TIE OFF CHAIN:

Part Number	
20410	Mast Tie Off Chain - 8' Long

BARREL, DRUM, CYLINDER & BUCKET LIFTING

2 & 4 Barrel Lifters

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Durable construction ideally suited to jobsite or warehouse use.
- Ratchet strap secures drum
- Used with 30 & 55 gallon fiber, steel or plastic drums
- Vertical lifting only
- Shackles not included
- Maximum drum dia is 24.63
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL lifting equipment individually proof loaded per OSHA requirements.**

 Prop 65 – See Page 112



4 DRUM LIFTER

Part Number	Working Load Limit	Weight	L x W x H	Shackle size
25358	4,000	870	64" x 56" x 48"	1/2"

**TO BE USED WITH 4 LEG TOP RIGGING,
MIN 45 DEGREES, BY OTHERS**

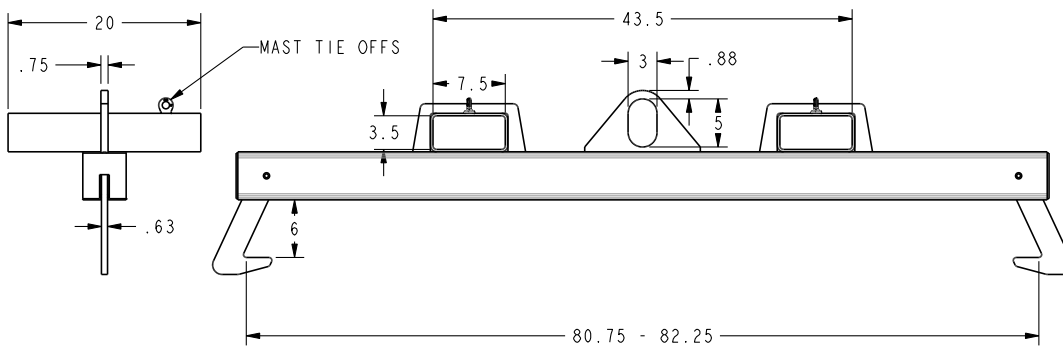


2 DRUM LIFTER

Part Number	Working Load Limit	Weight	L x W x H	Shackle size
25357	2,000	475	56" x 32" x 48"	1/2"

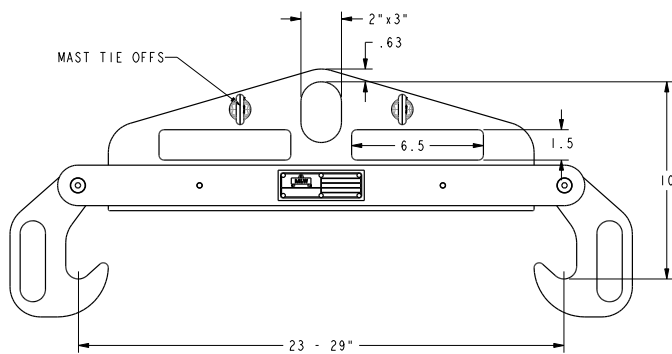
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for resistance to corrosion.
- **ALL** Lifting Beams proof loaded and shipped with certification paperwork
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

Prop 65 – See Page 112



CHLORINE LIFT BEAM

Part Number	Working Load Limit	Weight
19829	4,000	198



PROPANE CYLINDER LIFT BEAM

Part Number	Working Load Limit	Weight
25447	200	20



PAGE 103



PAGES 6-32



PAGES 47-54



PAGES 74-78



PAGES 120-123



PAGES 40-46



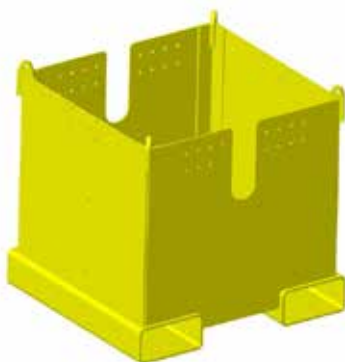
PAGES 34-37



PAGES 6-32

- Commonly used to organize and hang rigging, shackles & other slings off the floor

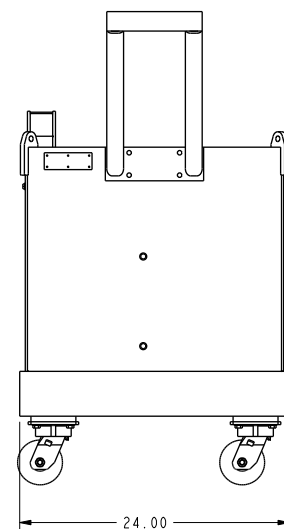
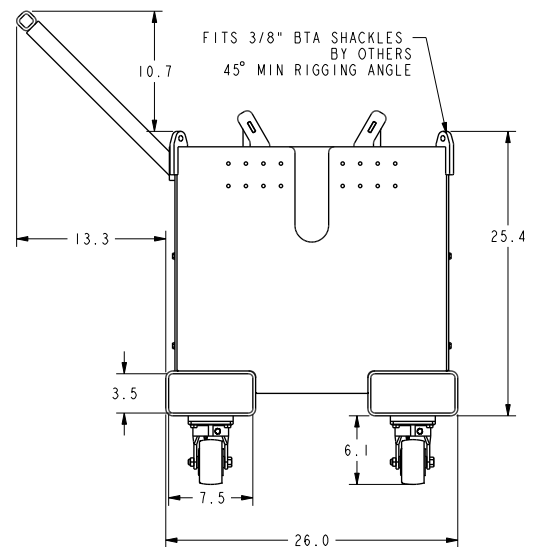
Prop 65 – See Page 112



**INSIDE:
24"X22"X20" DEEP**



**SHOWN WITH
OPTIONAL HANDLE,
DIVIDER, MASTER
LINK HOLDER
AND CASTERS**



CHAIN BOX

Part Number	Capacity	Weight
25037	1,000	335

OPTIONS

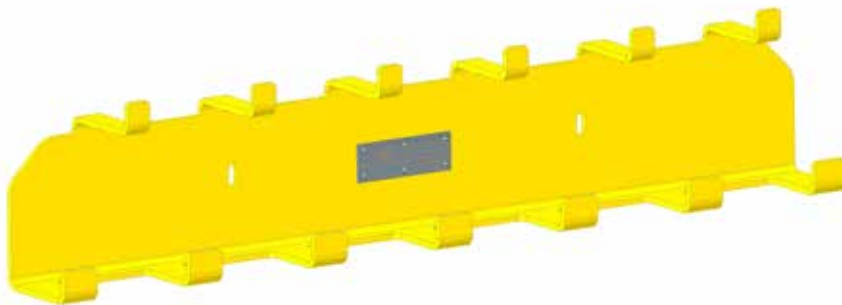
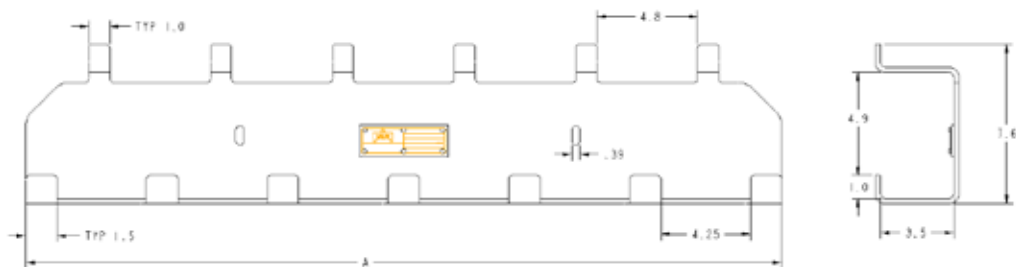
	Part Number
Handle	19790-40
Divider	25037-50
Masterlink Holder	25037-51
4 Swivel Casters	25037-52

RIGGING STORAGE

Wall Mounted Rigging Rack

- Wall mounted rigging storage solutions for hanging rigging, shackles, & slings off the floor.
- By others to determine if connection to wall is adequate for load.
- Powder coated finish.
- Load tested at 125% capacity.

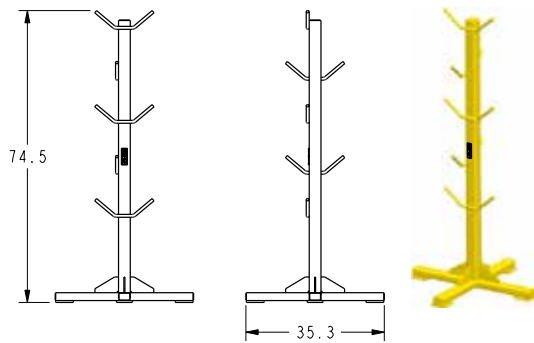
 Prop 65 – See Page 112



Part Number	A	# Pegs Top	# Pegs Bottom	Total Capacity in Pounds	Capacity per Peg in Pounds	Weight
25840	12.5	2	3	120	40	10
25839	24.5	4	5	200	40	22
25804	36	6	7	250	40	22

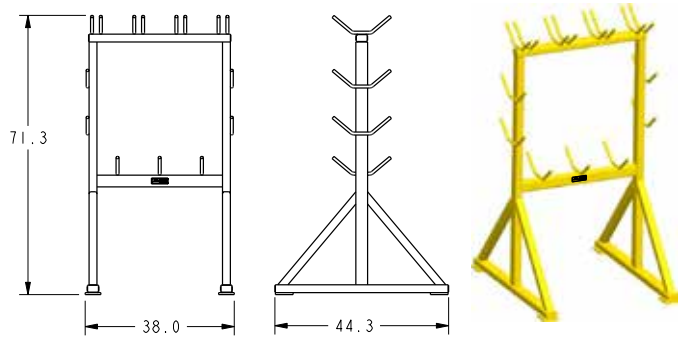
- Stands commonly used to organize and hang rigging, shackles & other slings off the floor

 Prop 65 – See Page 112



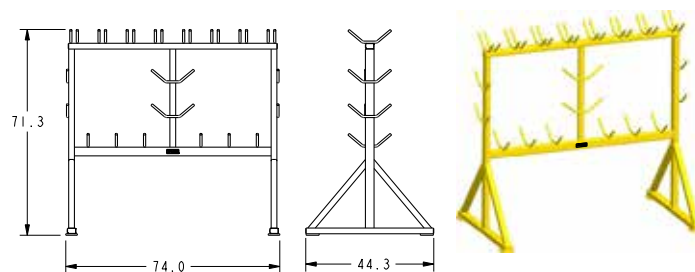
Part Number	Part Number with Casters	Capacity	Weight
23573	25049	300 LB	125

ANY SINGLE HOOK RATED AT 150 LBS



Part Number	Part Number with Casters	Capacity	Weight
23568	25050	500 LB	260

ANY SINGLE HOOK RATED AT 150 LBS



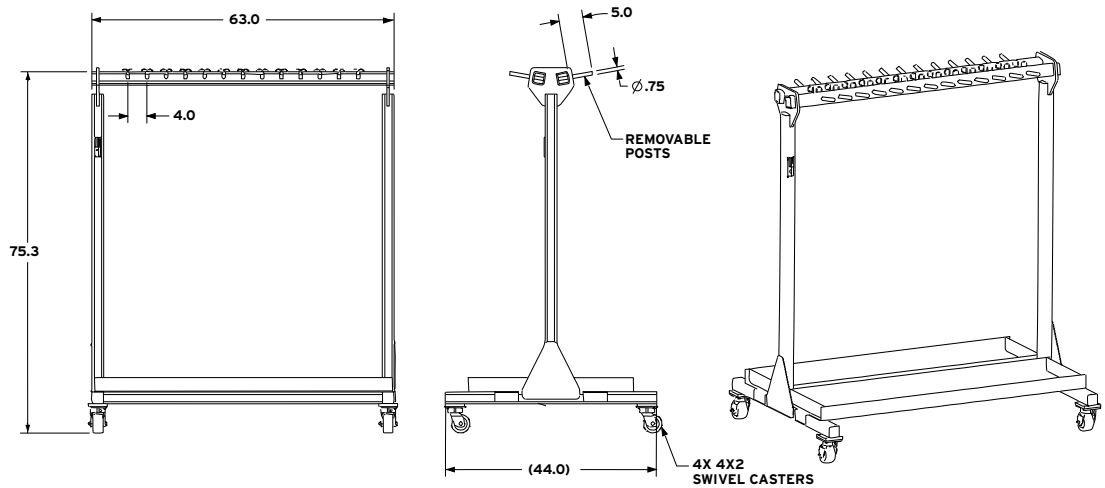
Part Number	Part Number with Casters	Capacity	Weight
23557	25051	800 LB	350

ANY SINGLE HOOK RATED AT 150 LBS

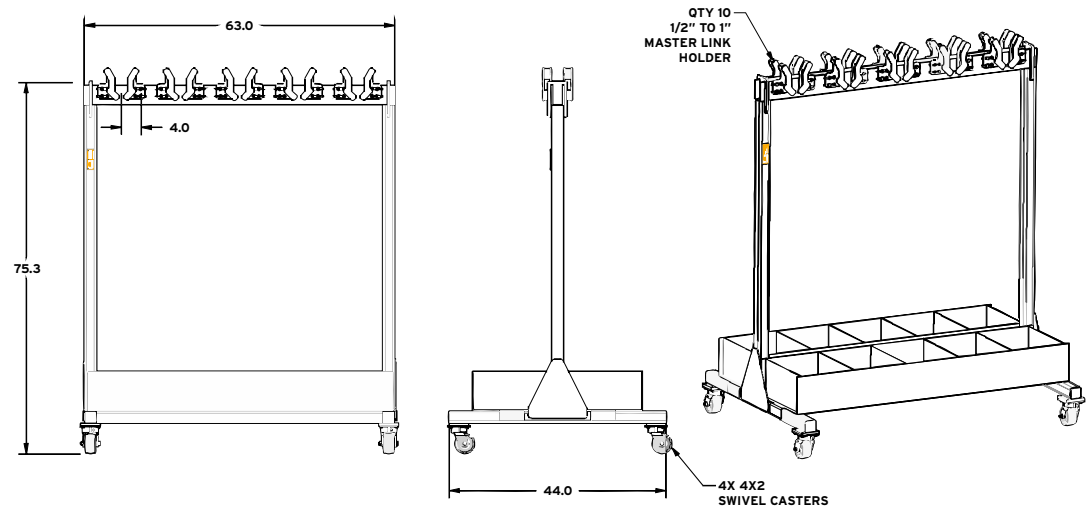
RIGGING STORAGE

Rigging Rack

Part Number with Casters	Part Number	Number Pegs per Side	Capacity	Weight	Capacity per Peg in Pounds
26354	26341	13	800	470	150



Part Number with Casters	Part Number	Number Holders per Side	Capacity	Weight	Capacity per Peg in Pounds
26355	26342	5	800	500	150

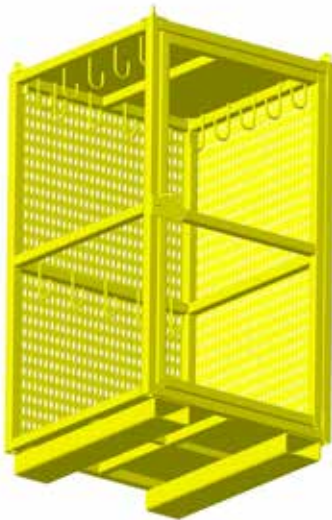


- Commonly used to organize and hang rigging, shackles & other slings off the floor

 Prop 65 – See Page 112

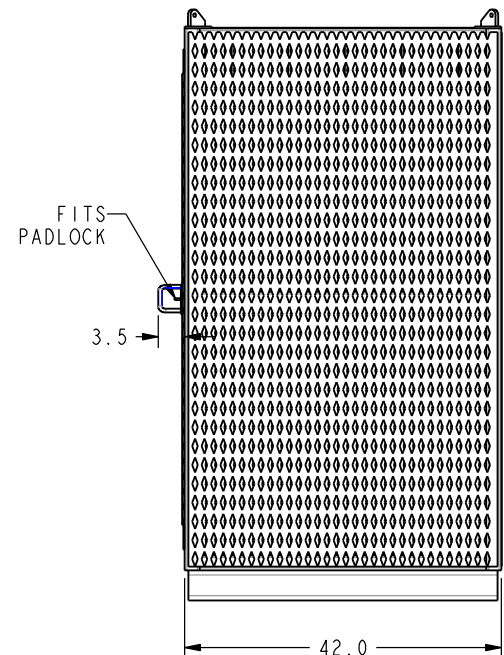
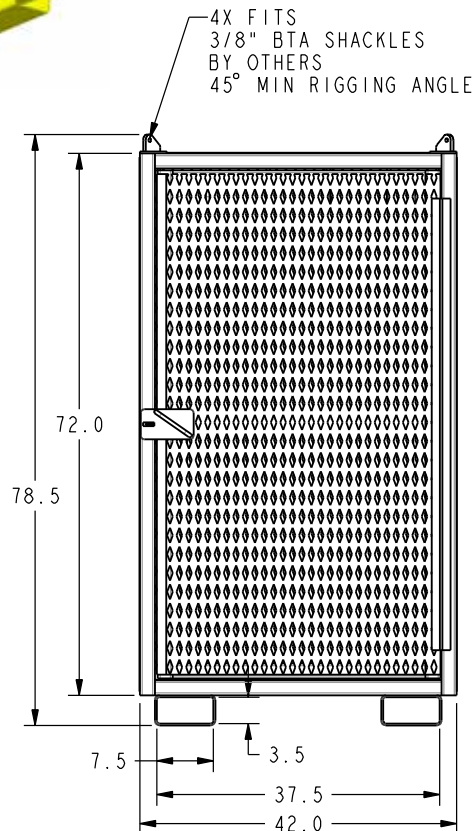
RIGGING CAGE

Part Number	Capacity	Weight
25188	2,000	750



**SHOWN WITH
EXPANDED METAL
SIDE AND DOOR
REMOVED FOR
INSIDE VIEW
OF CAGE.**

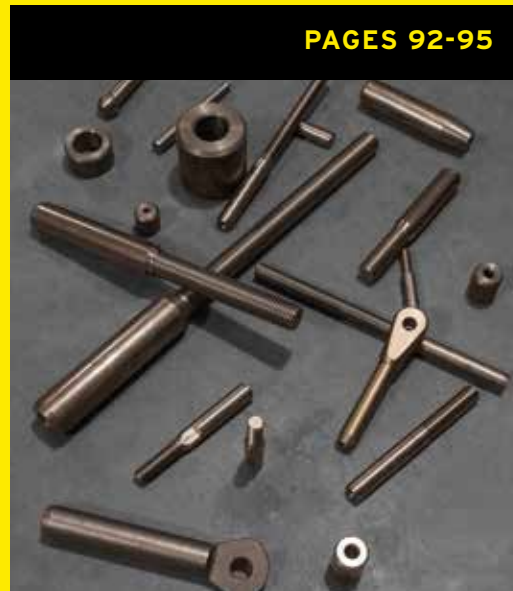
**ANY SINGLE
HOOK RATED
FOR 250 LBS.**



PAGES 58-73



PAGES 92-95



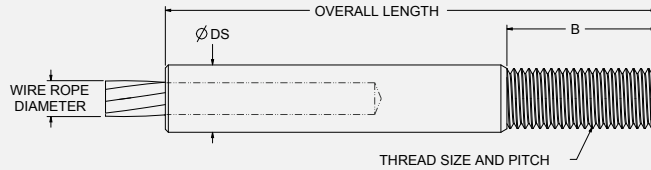
PAGES 55-57

PAGES 38-39



WIRE ROPE TERMINATIONS

Wire Rope Threaded Stud Ends
1/4" to 1-1/2" Wire Rope Diameter



Mild carbon steel, stainless, NC or NF thread pitch, right hand threads or left hand threads available - specify when ordering. See ordering note below. Wrench grips available upon request - supplied without wrench grips unless requested.

 Prop 65 – See Page 112

Part Number*	Wire Rope Diameter	DS After Swage Dim Min	DS After Swage Dim	DS After Swage Dim Max	Overall Length (approx)	B	NC Thread Pitch	NF Thread Pitch	Weight Each
WR-10471	1/4"	0.553	0.563	0.573	4.72	1.50	9/16-12	9/16-18	0.28
WR-10472	1/4"	0.49	0.50	0.51	4.72	1.50	1/2-13	1/2-20	0.21
WR-10473	1/4"	0.43	0.438	0.46	4.06	1.50	1/2-13	1/2-20	0.16
WR-10474	1/4"	0.43	0.438	0.46	5.06	2.50	1/2-13	1/2-20	0.20
WR-10475	5/16"	0.615	0.625	0.65	5.72	1.75	5/8-11	5/8-18	0.41
WR-10476	5/16"	0.615	0.625	0.65	8.97	5.00	5/8-11	5/8-18	0.64
WR-10477	5/16"	0.553	0.563	0.585	5.06	1.87	5/8-11	5/8-18	0.33
WR-10478	3/8"	0.74	0.75	0.78	6.75	2.00	3/4-10	3/4-16	0.72
WR-10479	3/8"	0.74	0.75	0.78	9.75	5.00	3/4-10	3/4-16	1.05
WR-10480	3/8"	0.615	0.625	0.65	6.25	2.25	3/4-10	3/4-16	0.58
WR-10481	7/16"	0.865	0.875	0.91	7.66	2.25	7/8-9	7/8-14	1.13
WR-10482	7/16"	0.74	0.75	0.78	7.31	2.62	7/8-9	7/8-14	0.90
WR-10483	1/2"	0.99	1.00	1.03	8.56	2.50	1-8	1-12	1.64
WR-10484	1/2"	0.99	1.00	1.03	12.06	6.00	1-8	1-12	2.4
WR-10485	1/2"	0.865	0.875	0.91	8.25	3.00	1-8	1-12	1.36
WR-10486	1/2"	0.74	0.75	0.78	6.625	2.25	7/8-9	7/8-14	1.00
WR-10487	9/16"	1.115	1.125	1.16	9.625	2.75	1-1/8-7	1-1/8-12	2.33
WR-10488	9/16"	0.99	1.00	1.03	9.25	3.375	1-1/8-7	1-1/8-12	1.93
WR-10489	5/8"	1.24	1.25	1.28	10.66	3.125	1-1/4-7	1-1/4-12	3.23
WR-10490	5/8"	1.115	1.125	1.16	10.125	3.75	1-1/4-7	1-1/4-12	2.66
WR-10491	3/4"	1.49	1.50	1.55	12.69	3.75	1-1/2-6	1-1/2-12	5.51
WR-10492	3/4"	1.365	1.375	1.42	12.81	4.50	1-1/2-6	1-1/2-12	4.56
WR-10493	7/8"	1.74	1.75	1.80	14.625	4.375	1-3/4-5	1-3/4-12	8.58
WR-10494	7/8"	1.49	1.50	1.55	14.56	5.25	1-3/4-5	1-3/4-12	7.14
WR-10495	1"	1.99	2.00	2.05	16.66	5.00	2"-4.5	2"-12	12.60
WR-10496	1"	1.74	1.75	1.80	16.25	6.00	2"-4.5	2"-12	10.66
WR-10497	1-1/8"	2.24	2.25	2.30	18.625	5.625	2-1/4-4.5	2-1/4-12	18.00
WR-10498	1-1/8"	1.99	2.00	2.05	18.25	6.75	2-1/4-4.5	2-1/4-12	15.63
WR-10499	1-1/4"	2.49	2.50	2.56	20.66	6.25	2-1/2-4	2-1/2-12	24.69
WR-10500	1-1/4"	2.24	2.25	2.30	20.25	7.50	2-1/2-4	2-1/2-12	21.00
WR-10501	1-3/8"	2.74	2.75	2.81	22.53	6.875	2-3/4-4	2-3/4-12	33.06
WR-10502	1-3/8"	2.365	2.375	2.41	22.875	8.25	2-3/4-4	2-3/4-12	30.50
WR-10503	1-1/2"	2.99	3.00	3.06	24.25	7.50	3"-4	3"-12	49.30
WR-10504	1-1/2"	2.74	2.75	2.81	24.75	9.00	3"-4	3"-12	41.10

* Call for specifications on different sizes or material

When ordering, please specify as follows: **PartNumber - A - B - C - D**

For **field A**, please specify "M" for mild carbon steel or "S" for stainless steel. For **field B**, please specify "C" for coarse thread or "F" for fine thread.

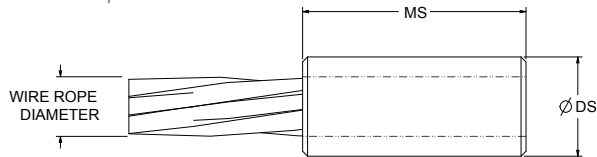
For **field C**, please specify "R" for right hand thread or "L" for left hand thread. For **field D**, please indicate "W" for wrench flats or leave blank for none.

For example, **WR-10471-M-C-R** would be a threaded stud end for 1/4" wire rope made out of mild carbon steel with coarse right-hand threads and no wrench flats.

CAUTION: It is recommended that the assembly with the swaged wire rope termination be proof loaded to prove the adequacy of the assembly.

SA WIRE ROPE FERRULES

Mild carbon steel construction. Length is measured from outside and end of terminal. Can also be attached at any point in the assembly as well as at the end. Length and diameter can be modified per customer specifications.

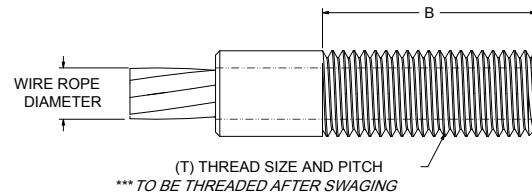


Part Number*	Wire Rope Diameter	DS	MS (approx)	Chamfer
MWSA157-02	1/16"	1/4"	3/8"	1/32 X 45°
MWSA157-03	3/32"	5/16"	1/2"	1/32 X 45°
MWSA157-04	1/8"	3/8"	5/8"	1/32 X 45°
MWSA157-05	5/32"	7/16"	3/4"	1/32 X 45°
MWSA157-06	3/16"	1/2"	7/8"	1/32 X 45°
MWSA157-07	7/32"	9/16"	1"	3/64 X 45°
MWSA157-08	1/4"	5/8"	1-1/8"	3/64 X 45°
MWSA157-09	9/32"	11/16"	1-1/4"	3/64 X 45°
MWSA157-10	5/16"	3/4"	1-3/8"	3/64 X 45°
MWSA157-12	3/8"	7/8"	1-3/4"	1/16 X 45°
MWSA157-14	7/16"	1"	2"	1/16 X 45°
MWSA157-16	1/2"	1-1/8"	2-1/4"	1/16 X 45°
MWSA157-18	9/16"	1-1/4"	2-1/2"	5/64 X 45°
MWSA157-20	5/8"	1-3/8"	3"	5/64 X 45°
MWSA157-24	3/4"	1-9/16"	3-1/2"	5/64 X 45°
MWSA157-28	7/8"	1-3/4"	4-1/4"	5/64 X 45°
MWSA157-32	1"	2"	4-3/4"	3/32 X 45°

* Call for specifications on larger sizes and metric sizes

SA WIRE ROPE THREADED SLEEVES

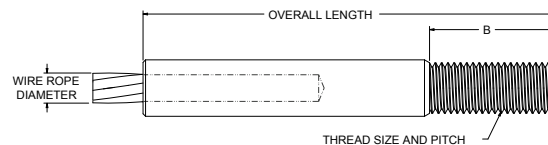
Mild carbon steel construction. NC thread pitch furnished as standard; NF thread pitch available. Right hand threads standard; left hand available. Wrench grips available per customer request. Metric sizes available.



Part Number*	Wire Rope Diameter	Thread Size (T)		B
		NC	NF	
MWSA155-03	3/32"	1/4-20	1/4-28	1/2
MWSA155-04	1/8"	1/4-20	1/4-28	3/4
MWSA155-05	5/32"	5/16-18	5/16-24	1
MWSA155-06	3/16"	3/8-16	3/8-24	1-1/4
MWSA155-07	7/32"	7/16-14	7/16-20	1-1/4
MWSA155-08	1/4"	1/2-13	1/2-20	1-1/2
MWSA155-09	9/32"	9/16-12	9/16-18	1-1/2
MWSA155-10	5/16"	5/8-11	5/8-18	1-3/4
MWSA155-12	3/8"	3/4-10	3/4-16	2
MWSA155-14	7/16"	7/8-9	7/8-14	2-1/4
MWSA155-16	1/2"	1-8	1-14	2-1/2
MWSA155-18	9/16"	1-1/8-7		2-3/4
MWSA155-20	5/8"	1-1/4-7		3
MWSA155-24	3/4"	1-1/2-6		4
MWSA155-28	7/8"	1-3/4-5		5
MWSA155-32	1"	2-4-1/2		6

* Call for specifications on larger sizes and metric sizes

SA WIRE ROPE THREADED STUDS



Part Number*	Wire Rope Diameter	Thread Size (T)		B
		NC	NF	
MWSA156-02	1/16"	10-24	10-32	1/2
MWSA156-03	3/32"	1/4-20	1/4-28	1/2
MWSA156-04	1/8"	1/4-20	1/4-28	3/4
MWSA156-05	5/32"	5/16-18	5/16-24	7/8
MWSA156-06	3/16"	3/8-16	3/8-24	1
MWSA156-07	7/32"	7/16-14	7/16-20	1
MWSA156-08	1/4"	1/2-13	1/2-20	1-1/8
MWSA156-09	9/32"	9/16-12	9/16-18	1-1/4
MWSA156-10	5/16"	5/8-11	5/8-18	1-1/2
MWSA156-12	3/8"	3/4-10	3/4-16	1-5/8
MWSA156-14	7/16"	3/4-10	3/4-16	1-7/8

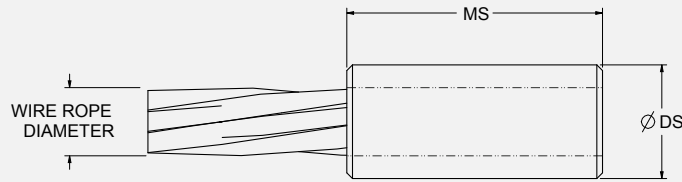
* Call for specifications on larger sizes and metric sizes

Part Number*	Wire Rope Diameter	Thread Size (T)		B
		NC	NF	
MWSA156-16	1/2"	7/8-9	7/8-14	2-1/4
MWSA156-18	9/16"	1-8	1-14	2-1/2
MWSA156-20	5/8"	1-1/8-7		3
MWSA156-24	3/4"	1-3/8-6		3-1/4
MWSA156-28	7/8"	1-1/2-6		3-1/2
MWSA156-32	1"	1-3/4-5		4-3/8
MWSA156-36	1-1/8	2-4-1/2		4-3/4
MWSA156-40	1-1/4	2-1/4-4-1/2		5-1/8
MWSA156-44	1-3/8	2-1/2-4		5-1/2

* Call for specifications on larger sizes and metric sizes

CAUTION: It is recommended that the assembly with the swaged wire rope termination be proof loaded to prove the adequacy of the assembly.

 Prop 65 – See Page 112



Mild carbon or stainless steel. Recommended for use on 6X19, 6X37 or 7X19 IWRC wire rope constructions only. Not intended to hold the breaking strength of the wire rope - a destructive test is recommended before use. Ends chamfered to help assembly. WHEN ORDERING: replace '-X' in part number with "M" for mild carbon steel or "S" for stainless steel material.

 Prop 65 – See Page 112

Part Number*	Wire Rope Diameter	DS After Swage Dim Min	DS After Swage Dim	DS After Swage Dim Max	MS (approx)	Weight Each
WR-10400-X	1/4"	0.49	0.50	0.51	1.03	0.04
WR-10401-X	1/4"	0.49	0.50	0.51	1.125	0.06
WR-10402-X	1/4"	0.49	0.50	0.51	1.25	0.04
WR-10403-X	1/4"	0.49	0.50	0.51	1.50	0.06
WR-10404-X	1/4"	0.615	0.625	0.635	0.875	0.07
WR-10405-X	1/4"	0.615	0.625	0.635	1.25	0.10
WR-10406-X	1/4"	0.615	0.625	0.635	1.50	0.12
WR-10407-X	1/4"	0.74	0.75	0.77	1.125	0.13
WR-10408-X	1/4"	0.74	0.75	0.77	1.25	0.15
WR-10409-X	1/4"	0.74	0.75	0.77	1.50	0.18
WR-10410-X	1/4"	0.855	0.875	0.895	1.00	0.17
WR-10411-X	1/4"	0.855	0.875	0.895	1.125	0.19
WR-10412-X	1/4"	0.855	0.875	0.895	1.25	0.21
WR-10413-X	1/4"	0.855	0.875	0.895	1.50	0.26
WR-10414-X	1/4"	0.98	1.00	1.02	1.125	0.26
WR-10415-X	1/4"	0.98	1.00	1.02	1.25	0.28
WR-10416-X	1/4"	0.98	1.00	1.02	1.50	0.32
WR-10417-X	1/4"	1.23	1.25	1.29	1.75	0.64
WR-10418-X	5/16"	0.615	0.625	0.635	1.25	0.08
WR-10419-X	5/16"	0.74	0.75	0.77	1.25	0.13
WR-10420-X	5/16"	0.855	0.875	0.895	0.875	0.14
WR-10421-X	5/16"	0.855	0.875	0.895	1.00	0.16
WR-10422-X	5/16"	0.855	0.875	0.895	1.25	0.20
WR-10423-X	5/16"	0.855	0.875	0.895	1.50	0.25
WR-10424-X	5/16"	0.855	0.875	0.895	2.00	0.33
WR-10425-X	5/16"	0.98	1.00	1.02	1.50	0.32
WR-10426-X	3/8"	0.74	0.75	0.77	1.50	0.15
WR-10427-X	3/8"	0.855	0.875	0.895	1.50	0.23
WR-10428-X	3/8"	0.98	1.00	1.02	1.00	0.30
WR-10429-X	3/8"	0.98	1.00	1.02	1.50	0.32
WR-10430-X	3/8"	0.98	1.00	1.02	1.75	0.36
WR-10431-X	3/8"	0.98	1.00	1.02	2.00	0.41
WR-10432-X	3/8"	1.23	1.25	1.27	2.00	0.69
WR-10433-X	7/16"	0.855	0.875	0.895	1.875	0.24
WR-10434-X	7/16"	0.855	0.875	0.895	1.625	0.23
WR-10435-X	7/16"	0.98	1.00	1.03	1.375	0.27
WR-10436-X	7/16"	0.98	1.00	1.03	1.50	0.32
WR-10437-X	7/16"	1.105	1.125	1.145	1.75	0.34

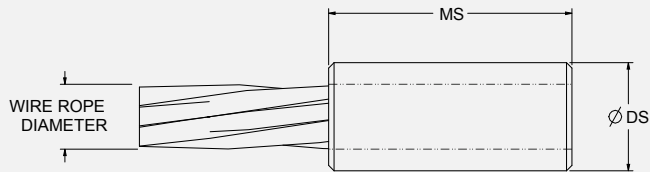
* Call for specifications on different sizes or material

CAUTION: It is recommended that the assembly with the swaged wire rope termination be proof loaded to prove the adequacy of the assembly.

WIRE ROPE TERMINATIONS

Wire Rope Ferrules

1/2" to 1-1/2" Wire Rope Diameter



Mild carbon or stainless steel. Recommended for use on 6X19, 6X37 or 7X19 IWRC wire rope constructions only. Not intended to hold the breaking strength of the wire rope - a destructive test is recommended before use. Ends chamfered to help assembly. WHEN ORDERING: replace '-X' in part number with "M" for mild carbon steel or "S" for stainless steel material.

Prop 65 – See Page 112

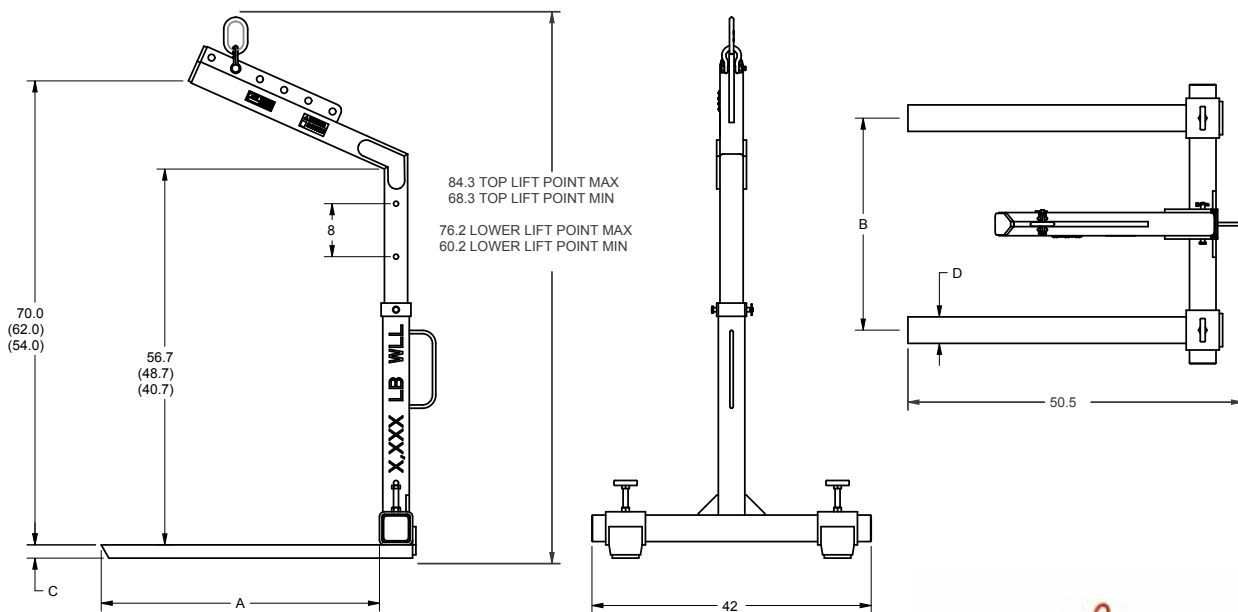
Part Number*	Wire Rope Diameter	DS After Swage Dim Min	DS After Swage Dim	DS After Swage Dim Max	MS (approx)	Weight Each
WR-10438-X	1/2"	0.98	1.00	1.03	2.00	0.34
WR-10439-X	1/2"	0.98	1.00	1.02	1.75	0.33
WR-10440-X	1/2"	1.105	1.125	1.16	2.00	0.50
WR-10441-X	1/2"	1.23	1.25	1.27	1.25	0.40
WR-10442-X	1/2"	1.23	1.25	1.27	1.75	0.57
WR-10443-X	1/2"	1.105	1.125	1.16	2.19	0.59
WR-10444-X	1/2"	1.105	1.125	1.16	2.375	0.59
WR-10445-X	9/16"	1.04	1.063	1.09	2.438	0.52
WR-10446-X	9/16"	1.105	1.125	1.16	1.50	0.34
WR-10447-X	9/16"	1.23	1.25	1.29	2.438	0.74
WR-10448-X	9/16"	1.23	1.25	1.29	2.625	0.80
WR-10449-X	5/8"	1.23	1.25	1.29	2.75	0.79
WR-10450-X	5/8"	1.355	1.375	1.42	2.50	0.93
WR-10451-X	5/8"	1.355	1.375	1.42	2.875	1.06
WR-10452-X	3/4"	1.48	1.50	1.55	3.25	1.35
WR-10453-X	3/4"	1.48	1.50	1.55	2.00	0.93
WR-10454-X	3/4"	1.48	1.50	1.55	3.50	1.46
WR-10455-X	7/8"	1.73	1.75	1.80	3.875	2.18
WR-10456-X	7/8"	1.73	1.75	1.80	2.50	1.50
WR-10457-X	7/8"	1.73	1.75	1.80	2.79	1.61
WR-10458-X	7/8"	1.73	1.75	1.80	3.00	1.74
WR-10459-X	7/8"	1.73	1.75	1.80	4.125	2.32
WR-10460-X	1"	1.98	2.00	2.05	4.36	3.23
WR-10461-X	1"	1.98	2.00	2.05	4.75	3.53
WR-10462-X	1-1/8"	2.22	2.25	2.30	5.00	4.60
WR-10463-X	1-1/8"	2.22	2.25	2.30	4.81	4.60
WR-10464-X	1-1/8"	2.22	2.25	2.30	5.25	5.00
WR-10465-X	1-1/4"	2.47	2.50	2.56	5.50	6.27
WR-10466-X	1-1/4"	2.47	2.50	2.56	5.875	6.79
WR-10467-X	1-3/8"	2.72	2.75	2.81	6.00	8.46
WR-10468-X	1-3/8"	2.72	2.75	2.81	6.50	9.24
WR-10469-X	1-1/2"	2.97	3.00	3.06	6.50	10.98
WR-10470-X	1-1/2"	2.97	3.00	3.06	7.125	11.97

* Call for specifications on different sizes or material

CAUTION: It is recommended that the assembly with the swaged wire rope termination be proof loaded to prove the adequacy of the assembly.

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	A	B	C	D	Weight in Pounds
4,000	12412	42	17 to 36	2	4	400

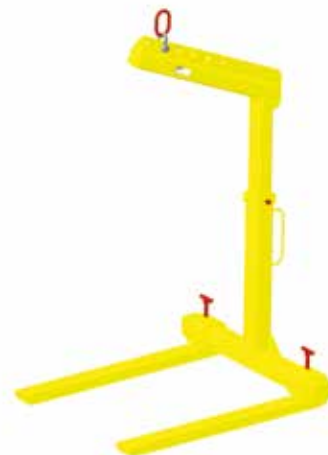
* Call for specifications on larger sizes and capacities

**** FOR A LEVEL LIFT, THE CENTER LIFTING BAIL MUST BE OVER THE LOADS CENTER OF GRAVITY**

Converts crane or hoist into aerial forklift.

Fork Length : 42"

Adjustable Fork Spacing : 17 - 36"

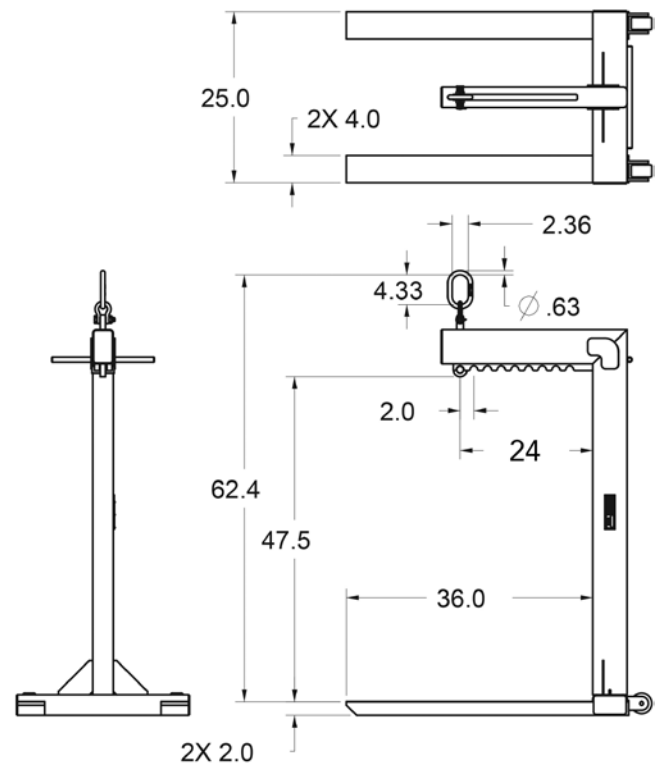


PALLET LIFTERS

Adjustable Wheeled Pallet Lifters

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Weight in Pounds
4,000	14998	330

* Call for specifications on larger sizes and capacities

- Converts crane or hoist into aerial forklift.
- Multiple Lift Bale adjustments.

**** FOR A LEVEL LIFT, THE CENTER LIFTING BAIL MUST BE OVER THE LOADS CENTER OF GRAVITY**

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.

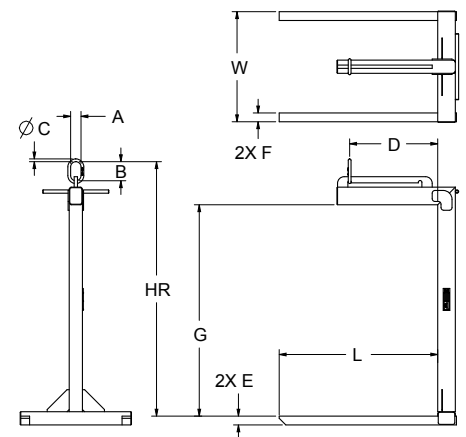
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Weight in Pounds	HR	A	B	C	D	E	F	G	L	W
2,000	14511	190	57.8	2.36	4.33	0.63	24	2	2	48	36	25
4,000	14512	335	58.8	2.36	4.33	0.63	24	2	4	48	36	25
6,000	14513	460	62.8	3.94	7.09	1.03	24	2.5	4.5	48	36	27
8,000	16664	660	65.0	3.94	7.09	1.03	24	3	5	48	36	27

* Call for specifications on larger sizes and capacities

**** FOR A LEVEL LIFT, THE CENTER LIFTING BAIL MUST BE OVER THE LOADS CENTER OF GRAVITY**



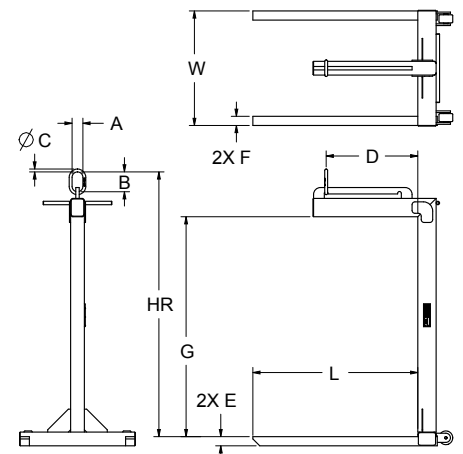
Converts crane or hoist into aerial forklift.

Converts crane or hoist into aerial forklift.



Working Load Limit in Pounds*	Part Number	Weight in Pounds	HR	A	B	C	D	E	F	G	L	W
2,000	14538	190	57.8	2.36	4.33	0.63	24	2	2	48	36	25
4,000	14537	335	58.8	2.36	4.33	0.63	24	2	4	48	36	25

* Call for specifications on larger sizes and capacities



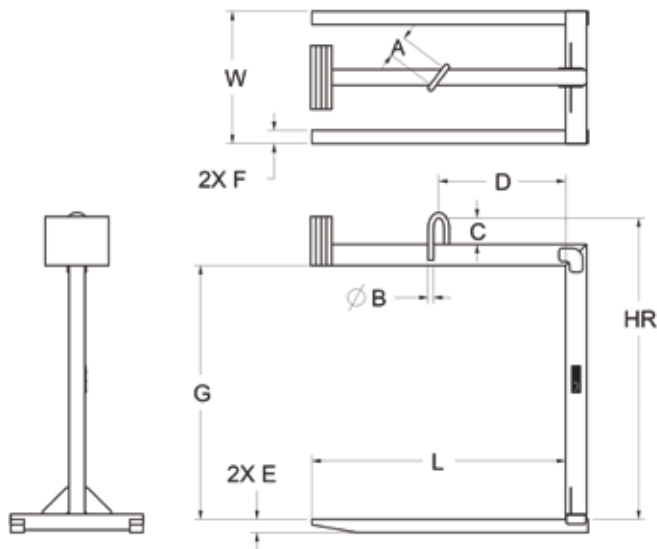
PALLET LIFTERS

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Weight in Pounds	HR	A	B	C	D	E	F	G	L	W
2,000	14631	190	57	4	5	1	24	2.5	2.5	48	48	25
4,000	14630	760	59	4	5	1	24	2.5	4	48	48	25
6,000	14629	965	62	4	7	1.5	24	3	5	48	48	27

* Call for specifications on larger sizes and capacities



- Converts crane or hoist into aerial forklift.
- Counter balance allows lifter to hang level when empty.

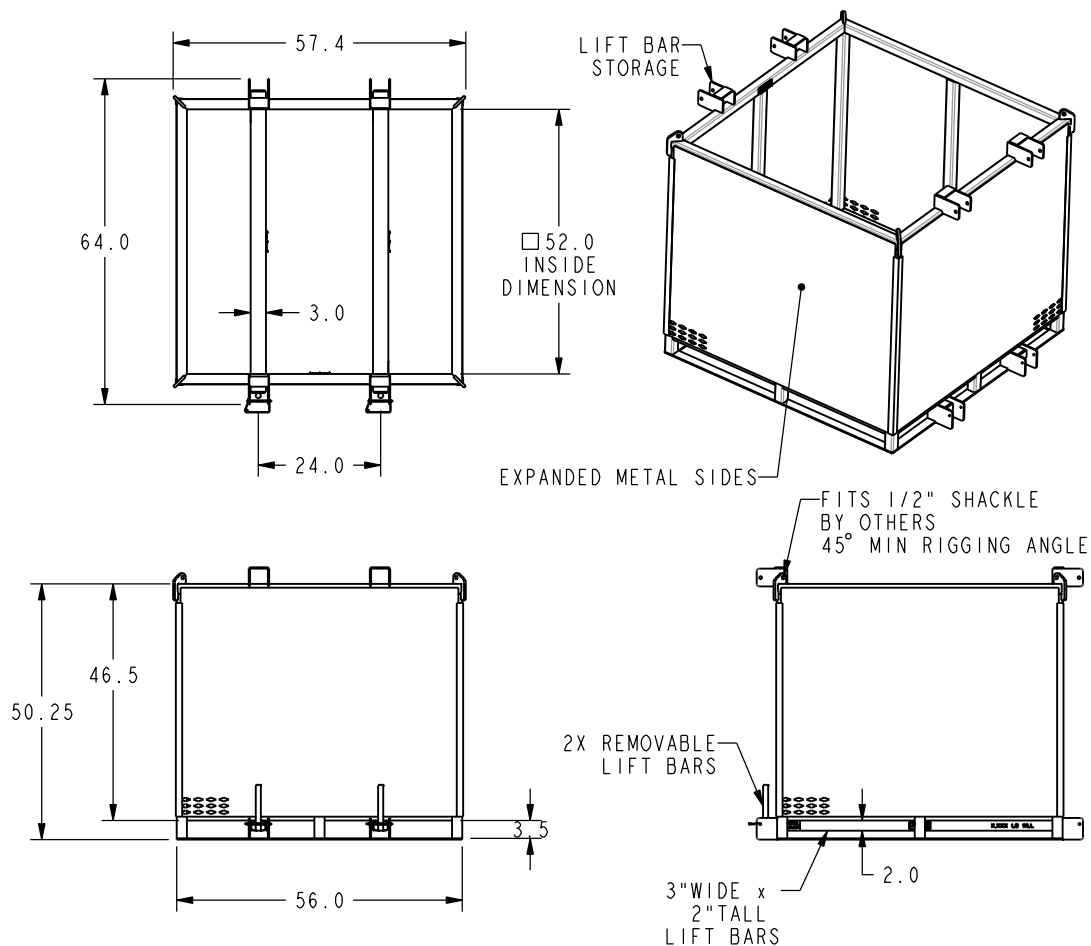


**** FOR A LEVEL LIFT, THE CENTER LIFTING BAIL MUST BE OVER THE LOADS CENTER OF GRAVITY**

* Call for specifications on larger sizes and capacities

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Removable bottom lifting bars slide through pallet.
- Expanded metal side cage.
- 4 point top lift, with slig provided by others.
- Do not use with damaged or broken pallets
- Do not exceed working load limit
- Made in U.S.A.
- All rigging and shackles by others.
- User must determine if pallet is capable of being lifted with this device.
- **ALL lifting equipment individually proof loaded per OSHA requirements and shipped with paperwork.**

 Prop 65 – See Page 112



Part Number	Working Load Limit	Weight	Inside Clearance
25504	4,400	660	52"

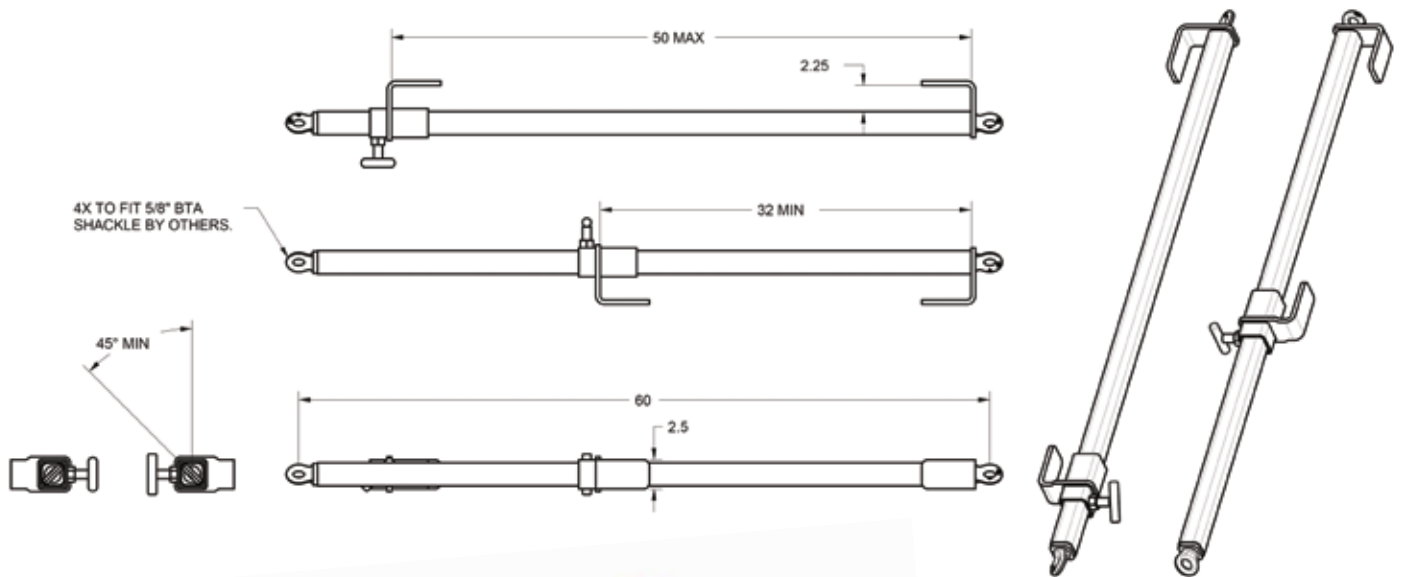
PALLET LIFTING BARS

Pallet Lifting Bars - SOLD IN PAIRS



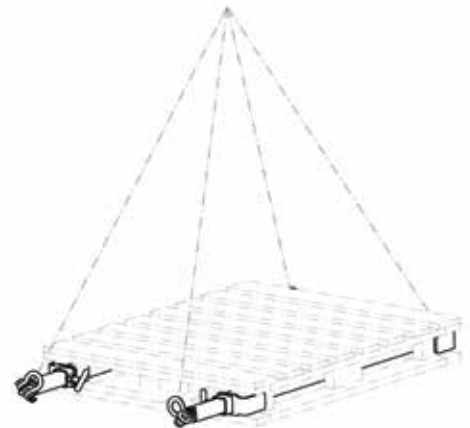
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Converts crane or hoist into aerial forklift.

 Prop 65 – See Page 112



CONVERTS CRANE OR HOIST
INTO AERIAL FORKLIFT.

70 LBS SET
OR 35 LBS
EACH BAR



** FOR A LEVEL LIFT, THE CENTER LIFTING BAIL
MUST BE OVER THE LOADS CENTER OF GRAVITY

Part Number	Working Load Limit	Weight (set)
17449	4,000	70

PAGE 103



PAGES 6-32



PAGES 47-54



PAGES 74-78



PAGES 120-123



PAGES 40-46



PAGES 34-37



PAGES 6-32

BOTTLE LIFTERS

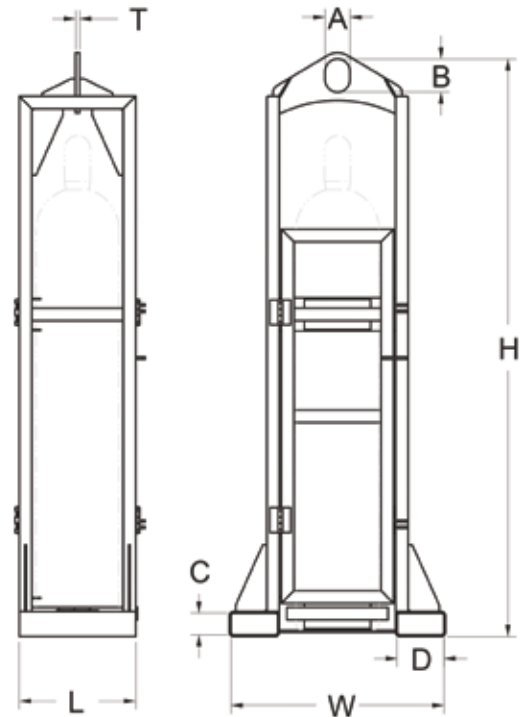
Single, Dual, Quad, Hand Cart

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Bottle Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A..
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



- Adjustable straps to hold tanks
- Lockable doors
- Max bottle diameter = 10"
- Max bottle height = 60"



Part No.	Working Load Limit	Tank Capacity	A	B	C	D	T	L	W	H	WEIGHT
20199	500	1	3	4	2.62	5.62	0.5	14	26	70	150
16307	750	2	3	4	3	6	0.5	29.5	26	64.5	300
17324	1500	4	3	4	5	9	0.5	31	30.5	65	325
26736	2,000	6	3	4	4	8	0.5	31	43.5	64.75	408
*25694	500	1	3	4	NA	NA	0.5	21.5	25.8	68	115

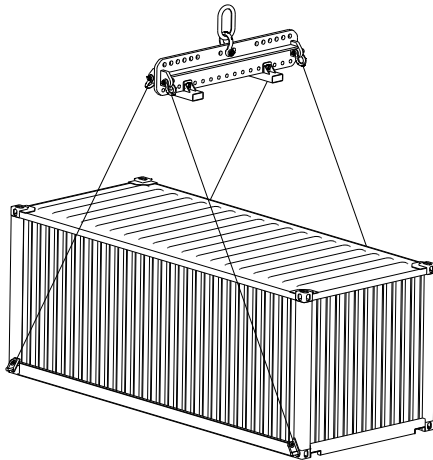
Call for specifications on larger sizes and capacities.

*Part No. 25694 with wheels and top lift, no fork pockets.

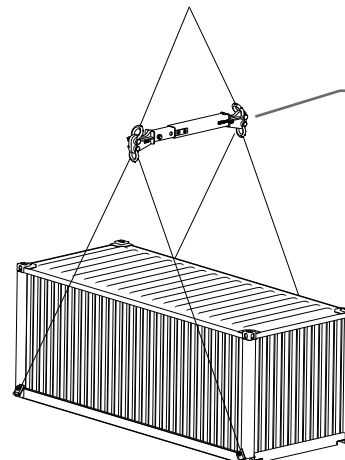
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
 - Painted safety yellow for increased visibility.
 - Do not use with damaged, obsolete or rusted containers.
 - Do not exceed working load limit
 - Fork pockets used for beam transport only, not for lifting.
 - Made in U.S.A.
 - All rigging and shackles by others.
- User must determine if container is capable of being lifted with this device in the manner proposed.
 - **ALL** lifting equipment individually proof loaded per OSHA requirements and shipped with paperwork.

 Prop 65 – See Page 112

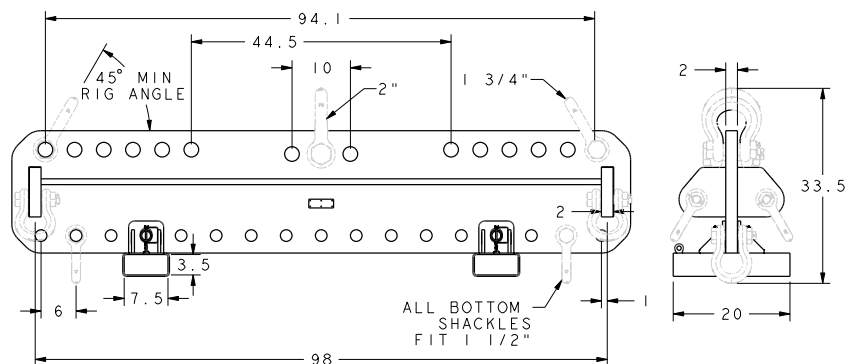
UNIVERSAL BEAM



ADJUSTABLE SPREADER



SEE PAGE 38
FOR SPREADER
DETAILS



Description	Part Number	Working Load Limit in Pounds	Pick Points Outside Spread	Lower Shackles	Upper Shackles	Weight in Pounds
*Universal Beam	25828	75,000	98"	1 1/2"	2", 1 3/4"	1725
Adjustable Spreader	20136	80,000	84"- 120"	2"	2"	700*
Lift Beam	22173	40,000/EA	60"- 120"	1 1/8"	N/A	1574

* Sold with transport/storage stand - not to be used for lifting

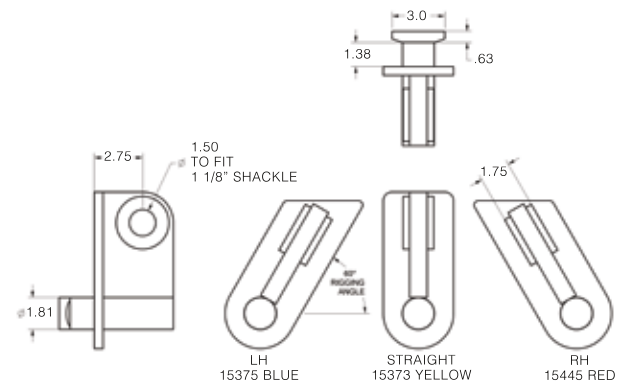
CONTAINER LIFTING

Universal Container Lifting Beam

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Lifting Lugs proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- User must determine if container is capable of being lifted with this device in the manner proposed.

- Sold individually
- Made in U.S.A.
- Top of lug must be horizontal to show proper engagement for lifting.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Color	Style	Weight in Pounds
19,000	15373	Yellow	Straight	17
19,000	15375	Blue	Left	17
19,000	15445	Red	Right	17

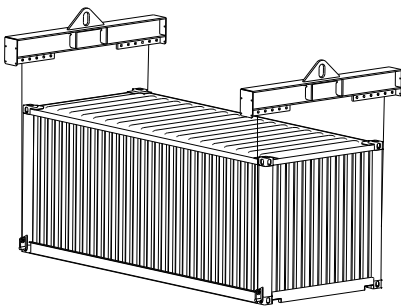
NOTE: Typical container lift will require 2 left and 2 right lugs.

Or will require 4 straight lugs with appropriate spreader / lifting beam and rigging.

***NOT FOR PULLING**

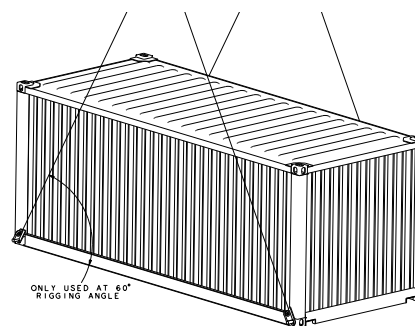
LIFT BEAM (2 NEEDED)

SEE PAGE 10 FOR BEAM DETAILS



Straight setup

Typically used with lift beam or spreader beam
Used only on lower corners of the long slides



LH / RH setup

Used only on lower corners of the long slides

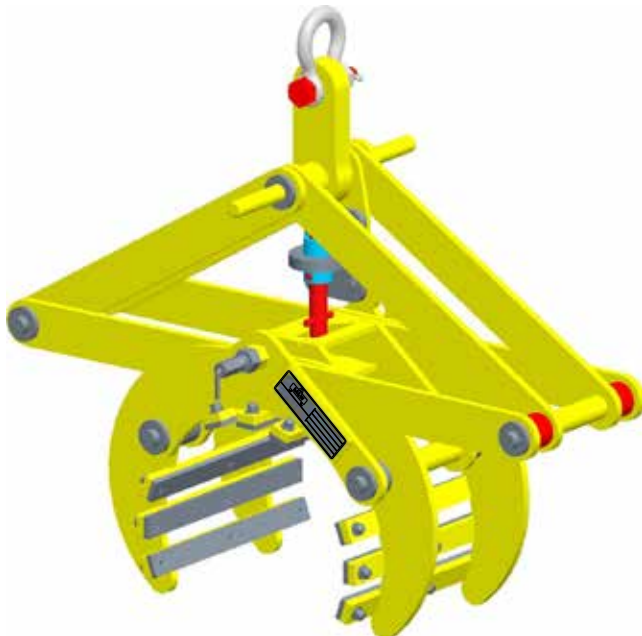
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Weight	Pipe Dia Min	Pipe Dia Max	Max Grip Opening	Replacement pad set Part Number
1,200	20053**	33	3.5"	5.5"	6.4"	20053-99
2,000	19911	102	5.5"	8.8"	10.3"	19911-99
4,500	20054	197	8.8"	14"	16.4"	20054-99
10,000	20055	465	14"	22"	25.5"	20055-99

* Call for specifications on larger sizes and capacities

** Not supplied with indexing latch mechanism



- Heavy-duty design to hold up to outdoor environments.
- Rugged gripping pads conform to load.
- Eliminates the need for rigging when handling large pipe.
- To be used only for vertical lifting.
- Large lifting shackle accommodates crane hooks or supplementary rigging.
- Can be used in pairs to handle longer pipes with lifting beam or spreader beam.
- Replacement pad set installs easily and quickly.
- Indexing latch mechanism allows lifter to be held open.

LIFTING TONGS

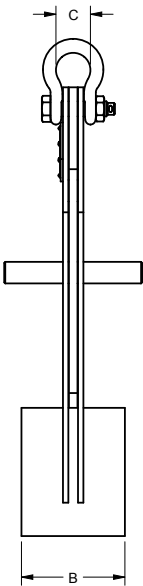
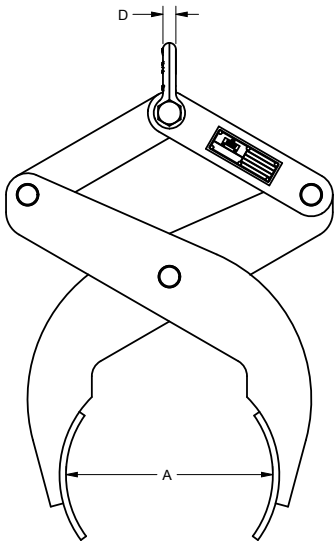
Bar Tong Lifter

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- **ALL** material handling equipment shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Ideal for moving round bars and pipe.

 Prop 65 – See Page 112

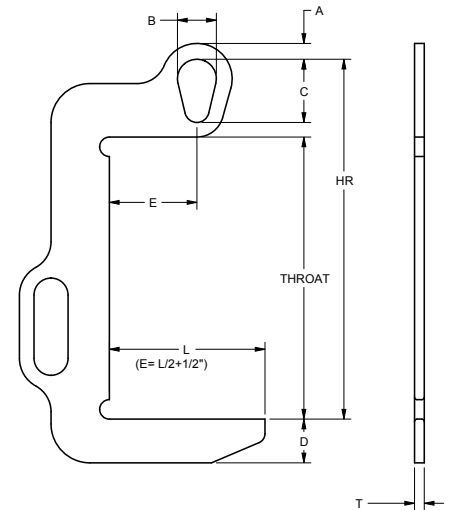
Working Load Limit in Pounds*	Part Number	A	B	C	D	Weight
1,000	11855	0 - 4"	6.00	1.69	0.63	12
2,000	16890	7 - 12"	6.00	2.00	0.75	55
4,000	11902	4 - 7.5"	6.00	2.00	0.75	41

* Call for specifications on larger sizes and capacities



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Coil Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	Throat	HR	A	B	C	D	E	L	T	Weight in Pounds
1,000	14463	14.5	18.5	0.81	2.00	3.25	2.25	4.5	8.0	0.50	14
1,000	14464	14.5	18.5	0.81	2.00	3.25	2.63	6.5	12.0	0.50	15
2,000	14465	17.5	21.5	0.81	2.00	3.25	2.00	4.5	8.0	0.50	14
2,000	14466	17.5	21.5	0.81	2.00	3.25	2.50	8.5	16.0	0.50	19
4,000	14467	19.5	24.6	1.00	2.56	4.06	2.13	4.5	8.0	0.75	27
4,000	14468	19.5	24.6	1.00	2.56	4.06	3.00	8.5	16.0	0.75	35
7,000	14469	21.5	28.2	1.18	3.63	5.31	2.87	6.5	12.0	1.00	52
7,000	14470	21.5	28.2	1.18	3.63	5.31	3.38	8.5	16.0	1.00	59
10,000	14471	25.5	32.9	1.50	4.00	5.81	3.50	8.5	16.0	1.25	87
10,000	14472	25.5	32.9	1.50	4.00	5.81	4.00	10.5	20.0	1.25	101

* Call for specifications on larger sizes and capacities

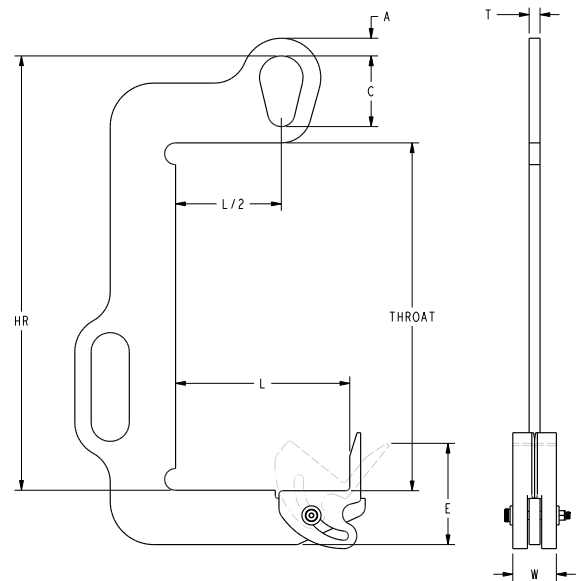
COIL LIFTER/UPENDERS

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Coil Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- Easy horizontal to vertical upending of coils.

 Prop 65 – See Page 112



UPENDING COIL

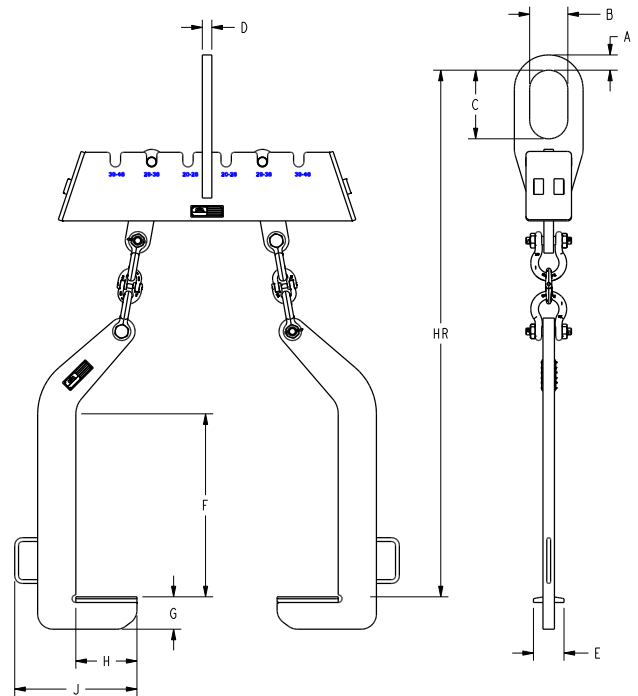
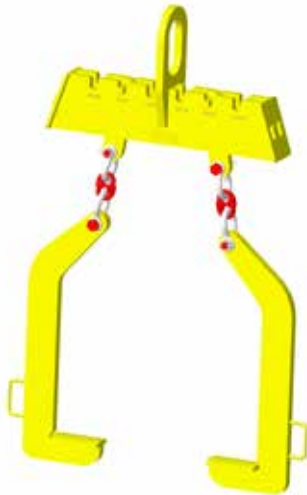


Working Load Limit in Pounds*	Part Number	Throat	HR	A	B	C	E	T	W	L	D	Weight in Pounds
1,000	14480	13.0	17.0	0.81	2.00	3.31	4.06	0.50	2.00	6.0	2.25	17
1,000	14481	13.0	17.0	0.81	2.00	3.31	4.56	0.50	2.00	12.0	2.75	23
2,000	14482	16.0	20.0	0.81	2.00	3.31	3.89	0.50	2.00	8.0	2.50	20
4,000	14483	18.0	23.1	1.00	2.63	4.00	5.05	0.75	2.00	10.0	2.75	33
7,000	14484	20.0	26.3	1.18	3.63	5.31	6.26	1.00	2.50	12.0	3.50	61

* Call for specifications on larger sizes and capacities

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Coil Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



Part Number	Working Load Limit in Pounds*	Coil Range Beam Width Settings	Min / Max Coil Width	A	B	C	E	E	F	G	H	J	HR	Weight
24800	20,000	20"-28" 29"-38" 39"-48"	20"-48"	2	5	9	1.25	4	24	4.25	8	16	69	545
24892	30,000	20"-28" 29"-38" 39"-48"	20"-48"	2	5	9	1.25	4	28	4.5	8	16	73	555
24894	40,000	24"-32" 33"-42" 43"-52" 53"-60"	24"-60"	2.5	8	9	1.25	4	30	4.75	8	16	80	785

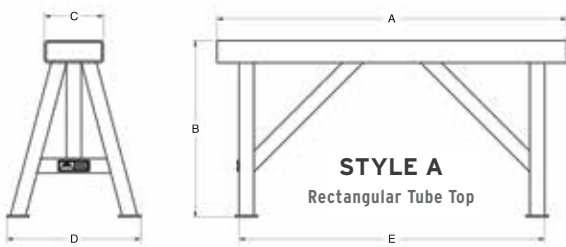
* Call for specifications on larger sizes and capacities

MATERIAL STANDS

Heavy-Duty Material Stands

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Durable construction ideally suited to warehouse or manufacturing shop floor use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

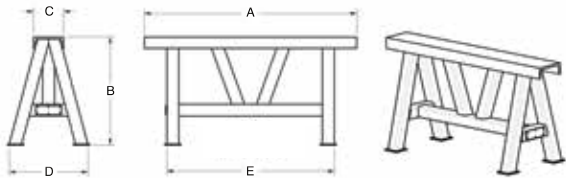
 Prop 65 – See Page 112



STYLE A
Rectangular Tube Top

Working Load Limit in Pounds*	Part Number	A	B	C	D	E	Weight in Pounds
3,000	13903	42.0	28.0	12.0	20.0	36.0	140
5,000	16527	42.0	29.0	12.0	20.0	36.0	173
7,000	13777	47.5	24.0	8.0	18.2	41.5	125
10,000	16528	47.5	25.0	8.0	19.2	41.5	130

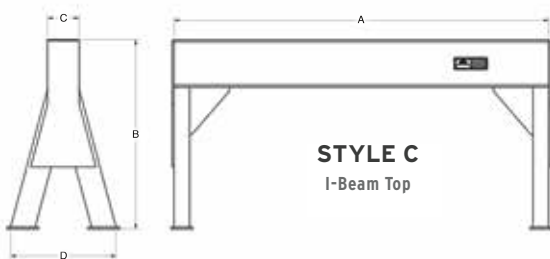
* Call for specifications on larger sizes and capacities



STYLE B
Channel Iron Top

Working Load Limit in Pounds*	Part Number	A	B	C	D	E	Weight in Pounds
2,000	15262	35.5	18.0	6.0	13.2	28.0	90
2,000	15281	35.5	32.0	6.0	20.7	28.0	120
5,000	15307	35.5	18.0	6.0	14.3	28.0	90
5,000	15306	35.5	32.0	6.0	21.5	28.0	120
7,000	15309	35.5	18.0	8.0	14.6	28.0	100
7,000	15308	35.5	32.0	8.0	22.1	28.0	135
10,000	15327	35.5	18.0	10.0	14.5	28.0	125
10,000	15312	35.5	32.0	10.0	22.0	28.0	160

* Call for specifications on larger sizes and capacities



STYLE C
I-Beam Top

Working Load Limit in Pounds*	Part Number	A	B	C	D	Weight in Pounds
5,000	16533	47.5	24.0	4.0	13.4	110
10,000	16534	47.5	24.0	6.0	13.3	145
15,000	16535	47.5	24.0	5.3	14.3	150
20,000	16536	47.5	24.0	6.5	14.4	195
30,000	16537	47.5	24.0	8.0	15.5	245

* Call for specifications on larger sizes and capacities



**LOAD COLLAPSIBLE
CASTERS**

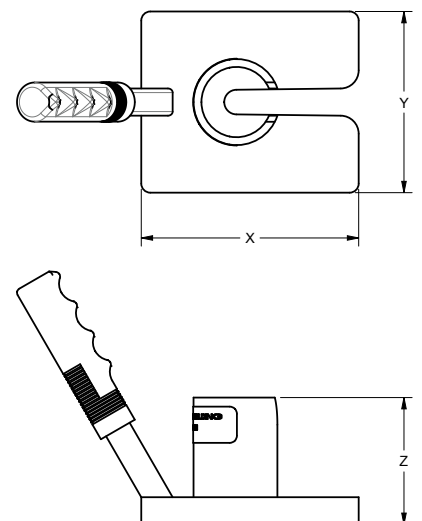
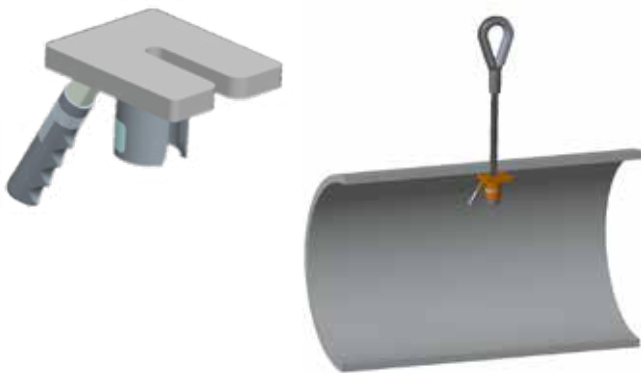
**OPTIONS AVAILABLE
CALL FOR PRICING**

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Wire rope lifting sling available - call for quote.
- Wire rope ferrules available separately - order by part number and wire rope diameter.
- Durable construction ideally suited to jobsite use.
- Made in U.S.A.
- Efficient method for handling of water and sewer concrete pipes.

 Prop 65 – See Page 112

Capacity in Pounds*	Teacup Part Number	Wire Rope Diameter	X	Y	Z	Color	Wire Rope Ferrule Part Number
4,400	11575	1/2"	5.00	6.00	3.50	Orange	12370
6,800	11576	5/8"	5.00	6.00	3.50	Gray	12371
9,800	11577	3/4"	5.00	6.00	3.50	Blue	12372
13,200	11578	7/8"	5.00	6.00	3.50	Black	12373
17,000	11579	1"	5.00	6.00	4.25	Red	12374
20,000	11580	1-1/8"	5.00	6.00	4.25	Green	12375
26,000	11581	1-1/4"	6.00	7.50	5.00	Yellow	12376
30,000	11582	1-3/8"	6.00	7.50	5.00	White	12380
36,000	11583	1-1/2"	6.00	7.50	5.50	Orange	12381
50,000	11783	1-3/4"	6.00	7.50	5.50	Brown	12421

* Call for specifications on larger sizes and capacities



CONCRETE PIPE LIFTING

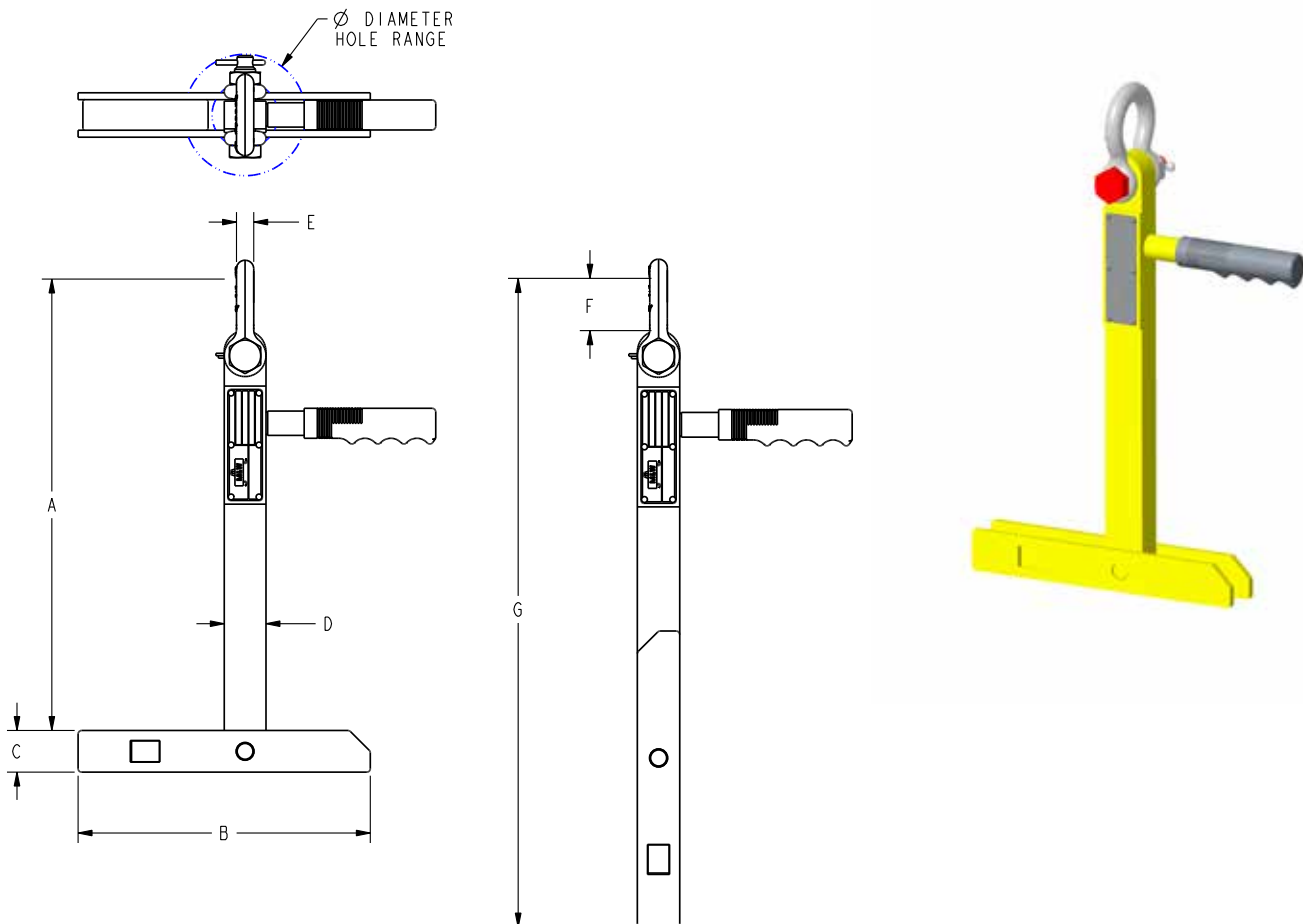
Pipe Pick

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Wire rope lifting sling available - call for quote.
- Wire rope ferrules available separately - order by part number and wire rope diameter.
- Durable construction ideally suited to jobsite use.
- Made in U.S.A.
- Efficient method for handling of water and sewer concrete pipes.

 Prop 65 – See Page 112

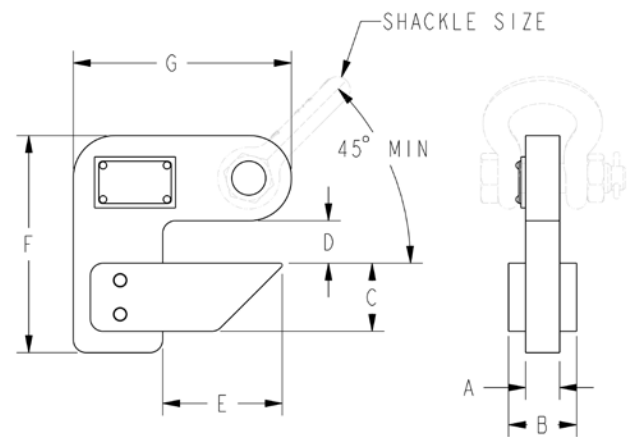
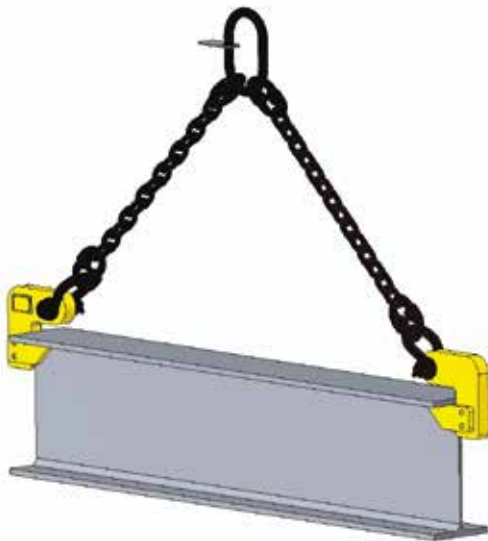
Part Number	Working Load Limit in LBS	Min / Max Hole Dia	A	B	C	D	E	F	G	Weight
24993	3,000	2.37 - 4.37	16.25	10.5	1.5	1.5	0.62	1.8	23	17
24994	6,000	2.63 - 5	20	12	1.75	1.75	0.75	2.1	27.6	20
24995	10,000	3.25 - 5.5	25	13	2.25	2.25	1.0	2.8	32.4	33

* Call for specifications on larger sizes and capacities



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
 - Painted safety red for increased visibility.
 - Durable construction ideally suited to jobsite or warehouse use.
 - Made in U.S.A.
 - Shackles & Rigging not included.
- Custom designs available - call for engineering.
 - **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	A	B	C	D	E	F	G	Weight per Pair	Shackle Size
4,900	26215	0.625	1.375	1.5	1	2.5	4.88	4.88	4 LB	1/2"
10,000	26216	1	2	2	1.25	3.5	6.4	6.4	10 LB	3/4"
17,000	26217	1.25	2.5	2.25	1.5	3.3	7.5	7.5	16 LB	7/8"

* Sold in pairs / rated as pair.

MATERIAL HANDLING

Pipe Lifting Hooks - SOLD IN PAIRS

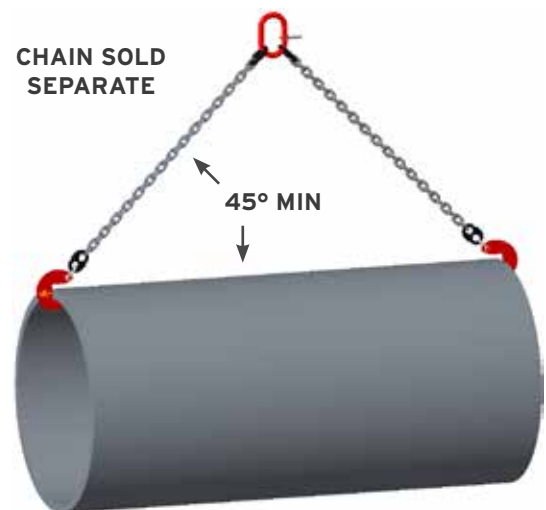
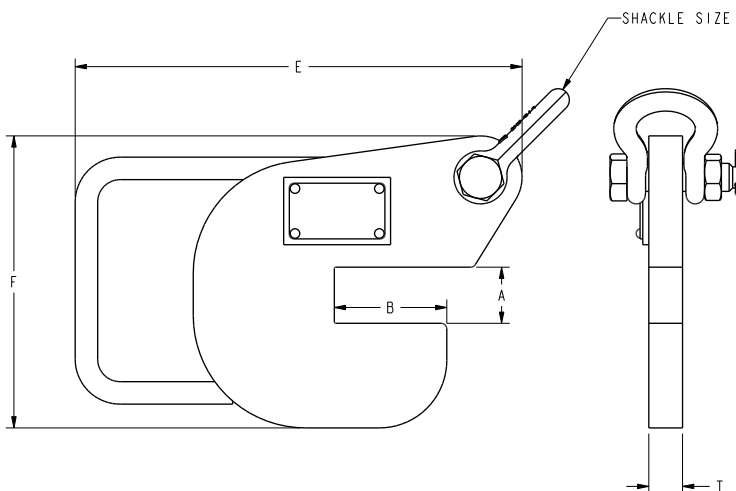
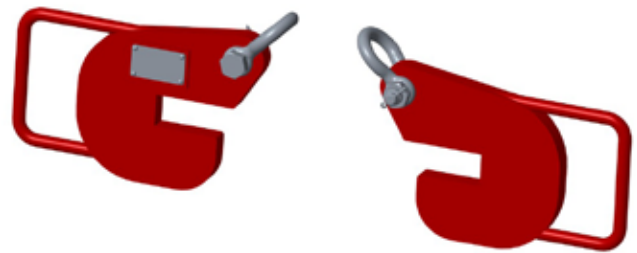
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety red for increased visibility.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	A	B	D	T	E	F	Weight per Pair	Shackle Size
4,000	11903	1.13	3.30	0.65	5/8	10	6.2	12	1/2"
8,000	11904	1.25	2.50	0.65	3/4	10	6.5	14	1/2"
10,000	16194	3.38	3.00	0.81	1.0	12.8	8.9	28	5/8"

* Call for specifications on larger sizes and capacities

- Working load limit capacity is PER PAIR.
- Supplied with Safety Shackle as per picture.
- Painted safety red for increased visibility.
- Designed to carry and lift steel and other types of pipe.



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- **ALL** material handling equipment proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Machined to exacting tolerances.

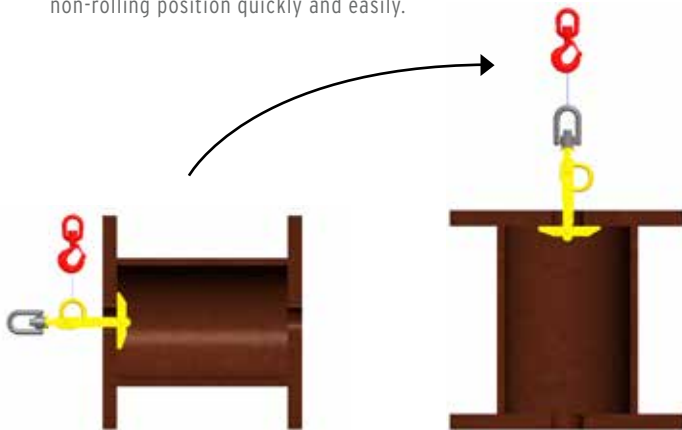
 Prop 65 – See Page 112



Working Load Limit in Pounds*	Part Number	A	B	C	D	E	F	Arbor Dia	Weight	
500	19455	0.75	1.05	n/a	1.00	3.25	2.75	1-1/4" - 2"	3	*
3,000	12782	1.50	2.00	2.75	1.66	4.25	3.38	2" - 4"	7	*
4,500	24046	2.00	2.63	2.75	2.38	6.50	5.00	3" - 6"	14	*

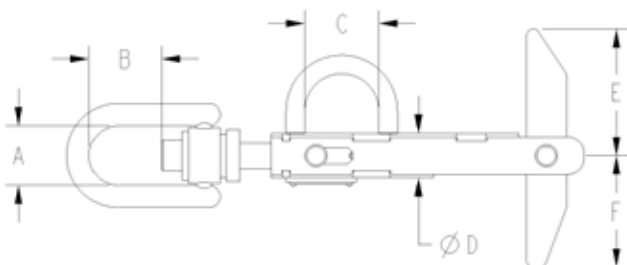
* Call for specifications on larger sizes and capacities

- Working Load Limit stamped on each lifter.
- Safely allows personnel to flip reels from rolling to non-rolling position quickly and easily.



*** TIP UP REEL FROM A ROLLING POSITION TO AN UPRIGHT POSITION, PAY OUT REEL IN UPRIGHT POSITION**
PART NUMBER 12782 & 13037

PART NUMBER 19455 NOT FOR TIPPING UP REELS

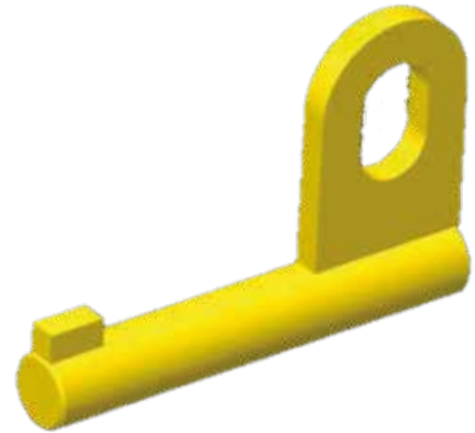
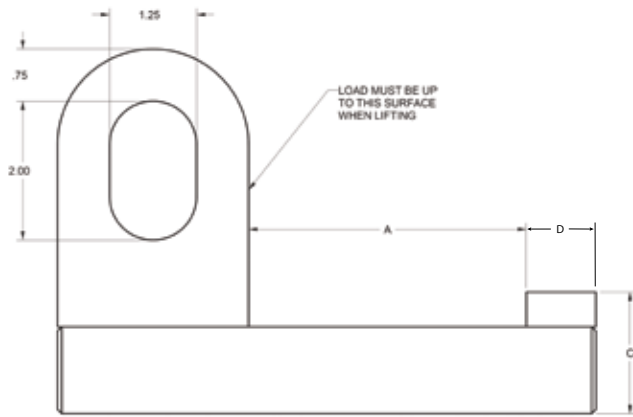


MATERIAL HANDLING

Manhole Toggle Key

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Machined to exacting tolerances.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

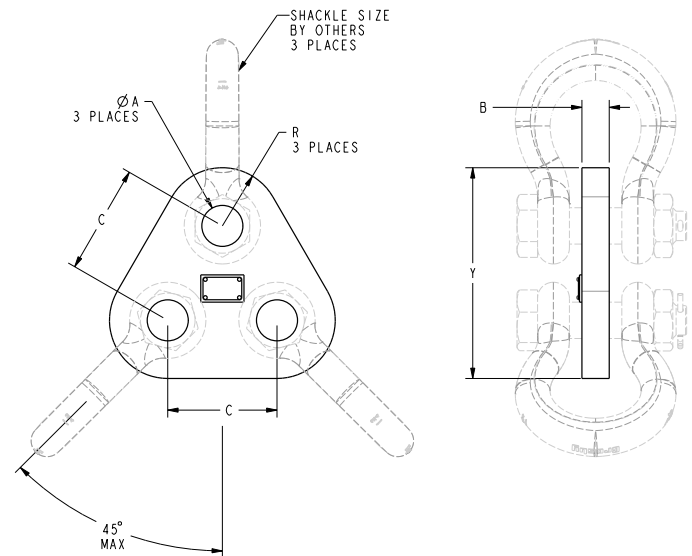


Working Load Limit in Pounds	Part Number	Weight	A	B	C	D
3,500	12434	3	4.0	1.25	1.75	1.0
3,200	16300	5	8.25	1.13	1.63	1.0
2,200	17761	6	11.0	1.25	1.38	1.0
3,400	19123	5	6.0	1.25	1.75	1.0

- 5 to 1 Design
- Used to equalize loads over multiple rigging lines
- Helps reduce crane hook rigging overcrowding when multiple rigging lines are required

- Reduces the chance of over loading a rigging line.
- Designed to allow for better load distribution in multiple lines.

 Prop 65 – See Page 112



Part Number	Working Load Limit in Pounds*	A	B	C	R	Y	Weight	Shackle Size	Max Rigging Angle
24783	37,400	2	1.25	4.75	2.5	9.11	20	1 1/2"	45°
24784	55,000	2.25	1.5	6	3.2	11.6	40	1 3/4"	45°
24785	77,000	2.38	2	6.38	3.5	12.52	70	2"	45°
24786	121,000	3	2.5	9.13	4.25	16.4	135	2 1/2"	45°

*Call for specifications on larger sizes and capacities.

MATERIAL HANDLING

No Touch Sling Stick

- Suspended load guiding and positioning tool
- Perfect for guiding, positioning and controlling a wide array of materials and objects that are lifted
- Hands free load guiding and positioning safety tool
- No touch hand tools help keep you away from pinch points
- No touch hand tools keep you at a distance, away from the load
- Push and pull style head
- Made from light weight aluminum
- Made in U.S.A.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112



Part Number	Length	Weight
26737	32	1.20
26731	56	1.50



- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Do not side load above angles of 45° from vertical.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.

- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

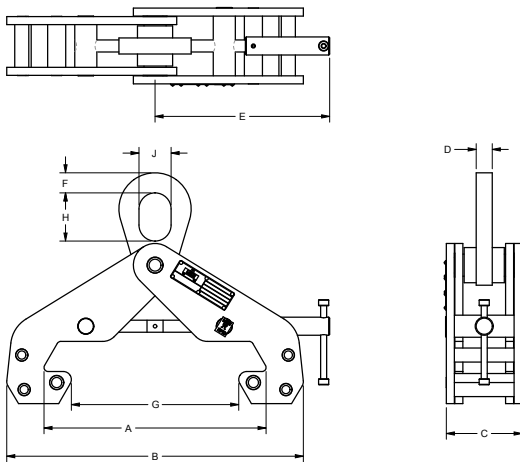
 Prop 65 – See Page 112

- Refer to side loading table below for reduction factors for side loading applications.
- Clamps to be used for lifting, pulling or as an anchor point.
- Ratings apply to clamps only. User is responsible for engineering calculations for all support steelwork.

WARNING: All clamps must be correctly applied to the beam by a competent person and fully hand tightened. If in doubt, contact M&W for recommendations.

Reduction in Working Load Limits when side loads are applied

Angle from Vertical	0°	0 - 15°	15 - 30°	30 - 45°
Reduction factor	none	20%	35%	50%



Working Load Limit in Pounds*	Part #	A	B	C	D	E	F	G	H	J	Weight	Maximum Flange Thickness	Maximum Flange Width	Minimum Flange Width	Maximum Slip Over Width
15,680	13659	16.02	20.92	4.72	1.00	10.88	1.25	12.94	3.00	1.75	34.1	1.25	13.75	4.50	13.38
22,400	13674	16.02	20.92	4.72	1.25	10.88	1.50	12.94	3.75	2.50	43.1	1.25	13.75	4.50	13.38

*Call for specifications on larger sizes and capacities.

BEAM CLAMPS

Small Frame

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Do not side load above angles of 45° from vertical.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Custom designs available - call for engineering.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

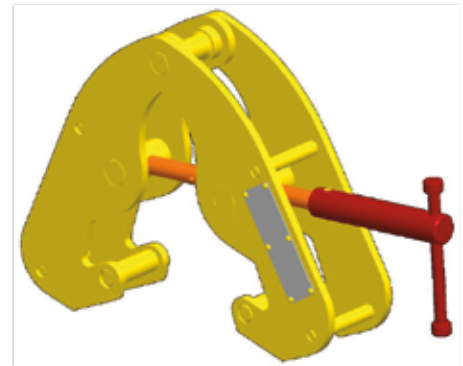
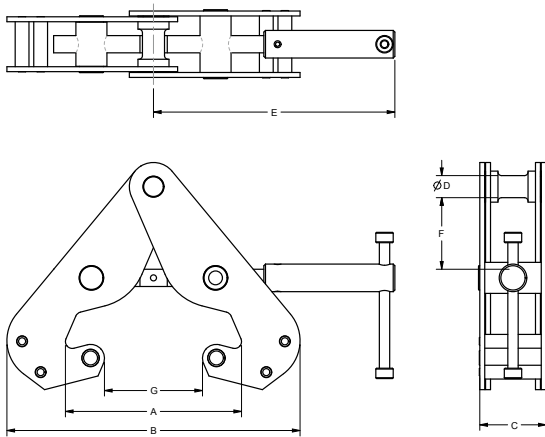
 Prop 65 – See Page 112

- Refer to side loading table below for reduction factors for side loading applications.
- Clamps to be used for lifting, pulling or as an anchor point.
- Ratings apply to clamps only. User is responsible for engineering calculations for all support steelwork.

WARNING: All clamps must be correctly applied to the beam by a competent person and fully hand tightened. If in doubt, contact M&W for recommendations.

Reduction in Working Load Limits when side loads are applied

Angle from Vertical	0°	0 - 15°	15 - 30°	30 - 45°
Reduction factor	none	20%	35%	50%



Working Load Limit in Pounds*	Part Number	A	B	C	D	E	F	G	Weight	Maximum Flange Thickness	Minimum Flange Thickness	Maximum Flange Width	Minimum Flange Width	Maximum Slip Over Width
2,240	13474	10.94	14.59	2.41	0.80	8.75	1.35	8.33	8.3	1.21	0.81	9.50	3.20	8.85
2,240†	13510	15.74	20.52	2.94	0.80	10.63	1.65	13.42	13.8	1.45	0.75	13.50	3.75	11.50
4,480	13486	10.94	14.59	2.94	0.80	8.75	1.35	8.33	10.4	1.21	0.87	9.60	3.20	9.00
4,480†	13553	15.74	20.52	3.19	0.80	10.63	1.65	13.42	16.1	1.45	0.81	14.50	3.50	14.00
6,720	13497	15.11	19.53	3.94	1.05	10.13	2.41	12.51	21.4	1.63	1.13	14.00	5.00	13.25
11,200	13648	15.11	19.53	4.19	1.38	10.13	2.24	12.51	25.6	1.63	1.13	14.00	4.25	13.00

*Call for specifications on larger sizes and capacities. † Indicates beam clamp for use on wide flange beams.

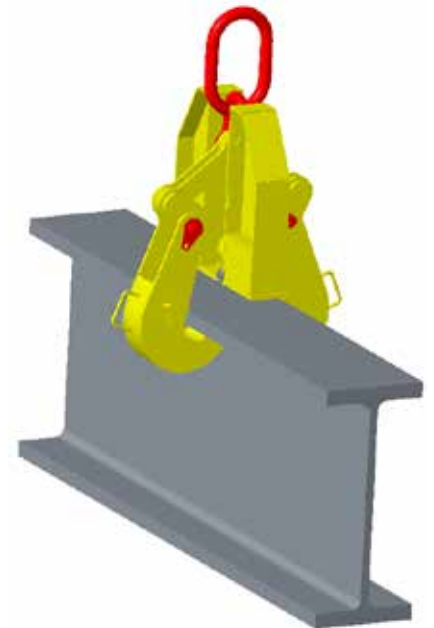
- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- **ALL** Lifters proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.
- All dimensions in inches unless otherwise noted.

 Prop 65 – See Page 112

Working Load Limit in Pounds*	Part Number	Weight	Flange Width Min	Flange Width Max	Flange Thickness Min	Flange Thickness Max
30,000	20052	180	7"	17"	1/2"	2"
50,000	20051	335	16"	24"	1"	3"
70,000	19913	600	16"	36"	1-5/8"	4"

* Call for specifications on larger sizes and capacities

- Heavy-duty design to hold up in outdoor environments.
- Eliminates the need for rigging when handling large beams.
- To be used only for vertical lifting only.
- Large lifting master link accommodates crane hooks.
- Can be used in pairs to handle longer beams using a lift beam or spreader beam.



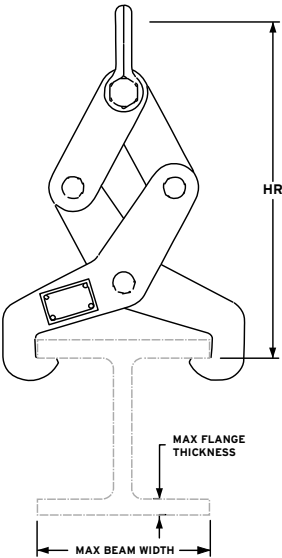
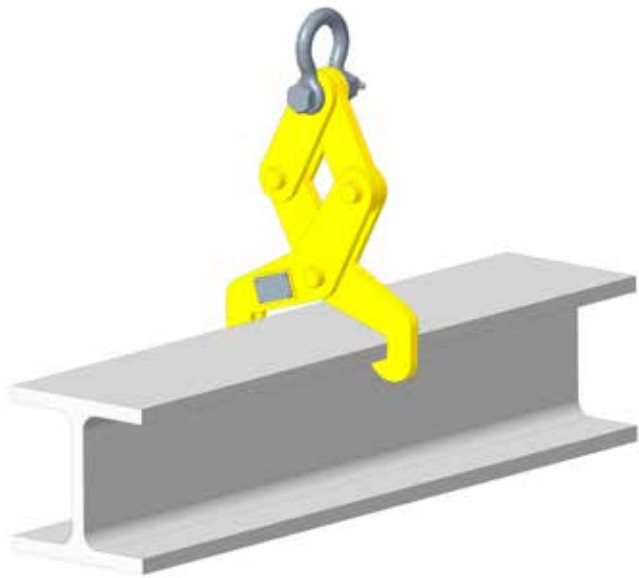
BEAM CLAMPS

Beam Tong

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- **ALL** material handling equipment shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Powder coated finish with shackle.
- Ideal for moving beams.
- Load must be level when lifted. Vertical lifting only, no side loading.
- Use two beam tongs with beam, if needed to lift level.
- Made in U.S.A.

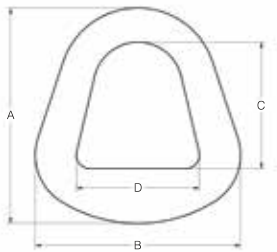
 Prop 65 – See Page 112

Working Load Limit in Pounds	Part Number	Beam Width Max-Min	Maximum Flange Thickness	HR	Weight	Shackle
2,000	25892	5-6"	5/8"	13.4	16	7/8"
4,000	25893	6.5-8"	3/4"	15.6	18	7/8"
6,000	25894	7.5-10"	3/4"	17.7	30	1"

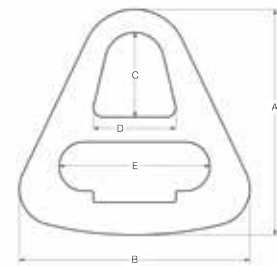


- Aluminum Triangle and Choker fittings engineered to be used on single-ply capacity slings.
- Aluminum resists corrosion.
- Aluminum alloy designed for overhead lifting applications.
- 100% domestic parts and workmanship.
- Machined to exacting tolerances.

 Prop 65 – See Page 112



SPECIFICATIONS FOR ALUMINUM TRIANGLES							Minimum Breaking Strength
Part Number	Sling Width	Dimensions				Weight	
		A	B	C	D		
11469	2	3.94	3.75	2.31	2.25	.4	16,800
11470	3	5.31	5.00	3.31	3.06	.6	25,000
11471	4	6.75	6.75	3.75	4.25	1.2	33,500
13263	5	8.00	8.13	4.75	5.25	1.5	40,000
11472	6	9.25	9.38	5.50	6.13	2.0	48,500



SPECIFICATIONS FOR ALUMINUM CHOKERS								Minimum Breaking Strength
Model Number	Sling Width	Dimensions					Weight	
		A	B	C	D	E		
11473	2	6.16	6.29	2.31	2.24	4.12	.9	16,800
11474	3	8.00	8.17	3.31	3.06	5.40	1.5	25,000
11475	4	9.40	10.67	3.75	4.25	7.10	2.4	33,500
13264	5	11.29	12.00	4.75	5.25	8.19	3.2	40,000
11476	6	13.25	14.48	5.50	6.13	9.75	8.5	48,500

SYNTHETIC SLING

Triangle and Choker
Steel



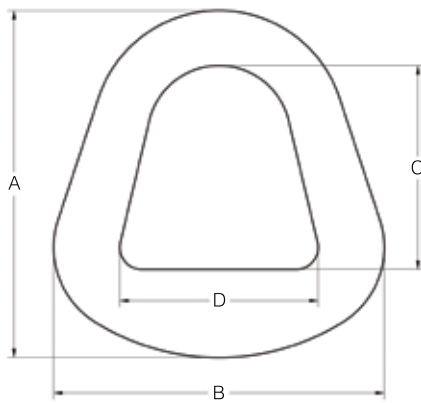
- Steel Triangle and Choker fittings engineered to be used on single-ply, two-ply, three-ply, and four-ply slings.
- Powder coat painted for resistance to corrosion.
- Alloy steel for overhead lifting applications.

- 100% domestic parts and workmanship.
- Machined to exacting tolerances.

Prop 65 – See Page 112

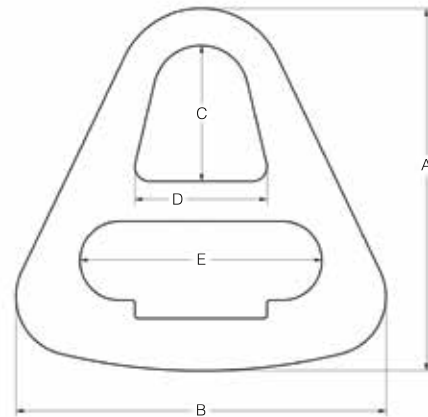
SPECIFICATIONS FOR 2-PLY STEEL TRIANGLES

Part Number	Sling Width	Dimensions				Weight	Minimum Breaking Strength
		A	B	C	D		
11455	2	3.94	3.75	2.31	2.25	1.0	33,000
11456	3	5.31	5.00	3.31	3.06	1.8	44,500
11457	4	6.75	6.75	3.75	4.25	3.2	58,000
12337	5	7.70	7.81	4.60	5.13	3.79	70,000
11458	6	9.25	9.38	5.50	6.13	5.7	84,000
11459	8	11.88	12.25	7.50	8.44	12.06	112,000
11460	10	13.25	13.88	8.63	10.88	14.41	140,000
11461	12	15.75	16.69	10.31	13.00	20.24	160,000



SPECIFICATIONS FOR 4-PLY STEEL TRIANGLES

Part Number	Sling Width	Dimensions				Weight	Minimum Breaking Strength
		A	B	C	D		
14476	2	4.38	3.75	2.31	2.25	3.3	62,000
11938	3	5.81	5.50	3.31	3.06	5.7	93,000
12441	4	6.5	6.75	3.75	4.25	7.6	110,000
12440	6	9.15	9.38	5.50	6.13	13.8	165,000
12313	8	13.07	12.75	7.50	8.61	21.8	220,000
14431	10	15.87	16.00	8.87	11.00	35.2	285,000
12543	12	18.75	19.25	10.50	13.00	48.4	330,000



SPECIFICATIONS FOR 2-PLY STEEL CHOKERS

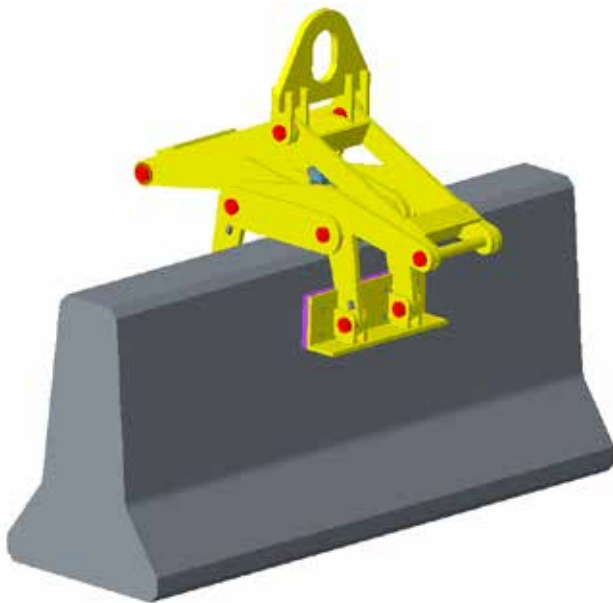
Part Number	Sling Width	Dimensions					Weight	Minimum Breaking Strength
		A	B	C	D	E		
11462	2	6.16	6.29	2.31	2.24	4.12	2.9	33,000
11463	3	8.00	8.17	3.31	3.06	5.40	4.3	44,500
11464	4	9.40	10.67	3.75	4.25	7.10	6.8	58,000
12338	5	11.18	12.16	4.62	5.15	8.19	9.0	70,000
11465	6	13.25	14.48	5.50	6.13	9.75	13.1	84,000
12297	8	14.31	16.19	7.13	5.14	12.00	23.0	112,000
12296	10	16.88	17.88	8.44	5.26	13.38	27.0	140,000
12312	12	20.25	21.44	10.13	6.30	16.00	38.9	160,000

SPECIFICATIONS FOR 4-PLY STEEL CHOKERS

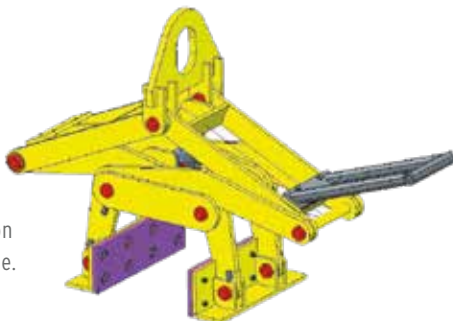
Part Number	Sling Width	Dimensions					Weight	Minimum Breaking Strength
		A	B	C	D	E		
14477	2	8.75	7.00	2.25	2.25	4.50	8.4	62,000
13368	3	9.13	9.05	3.00	3.31	5.75	11.4	93,000
12442	4	10.50	10.67	3.75	4.25	7.10	13.4	110,000
12439	6	14.12	14.48	5.50	6.13	9.75	25.7	165,000
12314	8	16.38	17.00	7.00	5.14	13.14	40.0	220,000
14430	10	21.75	24.00	8.50	6.50	16.68	65.4	285,000
12544	12	25.50	28.25	10.00	8.00	19.63	86.5	330,000

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Painted safety yellow for increased visibility.
- Proof loaded and shipped with certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- **ALL** lifting equipment individually proof loaded per OSHA requirements.

 Prop 65 – See Page 112

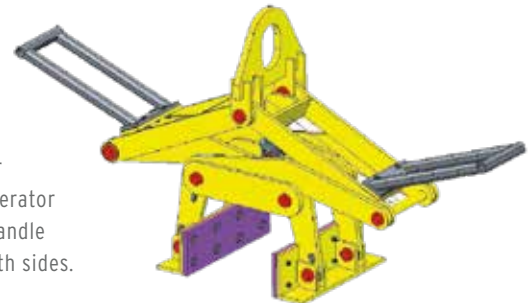


Shown with
optional
Part Number
19790-40
Operator Extension
Handle on one side.



- Heavy-duty design to hold up to outdoor environments where barriers are commonly used.
- Stainless steel indexing latch mechanism.
- Rugged gripping pads swivel to conform to load.
- Indexing latch mechanism allows lifter to be held open.
- Replacement pad installs easily and quickly.
- Operator Extension Handle keeps ground personnel away from load when adjustment is needed.
- Large lifting eye accommodates crane hook.
- Handles barriers with 6" to 12" width at the top of the barrier.

Shown with
optional
Part Number
19790-40 Operator
Extension Handle
added to both sides.



OPTIONAL HANDLE:

Part Number	Working Load Limit	Weight	Replacement Pads
19790	9,000	400	19790-31

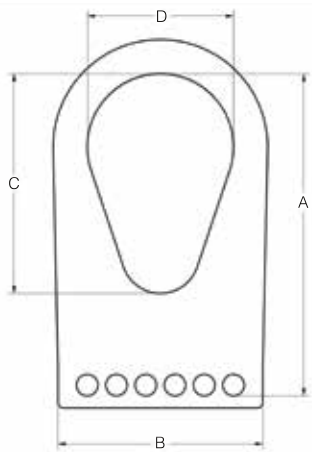
Part Number
19790-40

CHAIN MESH SLING

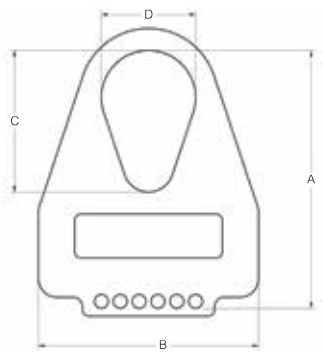
Triangle and Choker - Grade 80 Alloy

- Steel Triangle and Choker fittings engineered to be used on chain mesh slings.
- Powder coat painted for resistance to corrosion.
- Alloy steel for overhead lifting applications.
- 100% domestic parts and workmanship.
- Machined to exacting tolerances.

 Prop 65 – See Page 112



SPECIFICATIONS FOR CHAIN MESH ALLOY STEEL TRIANGLES								WLL Vertical	WLL Choker	WLL Basket
Part Number	Chain Size	Chain Parts	Dimensions				Weight			
18980	7/32"	3	6.75	3.00	4.13	2.75	1.0	5,000	5,000	10,000
18981		4	6.75	3.75	4.13	2.75	2.5	6,700	6,700	13,400
18982		5	8.00	4.50	5.0	3.50	3.2	8,400	8,400	16,800
18983		6	8.25	5.25	5.25	3.75	3.8	10,800	10,800	21,600
18984	9/32"	3	6.62	4.5	4.13	2.75	3.0	8,400	8,400	16,800
18985		4	6.62	4.5	4.13	2.75	3.5	11,200	11,200	22,400
18986		5	8.00	5.25	5.0	3.50	4.5	14,000	14,000	28,000
18987		6	8.25	5.75	5.25	3.75	5.0	16,800	16,800	33,600
18988	3/8"	3	6.88	4.25	5.0	3.50	5.0	17,000	17,000	34,000
18989		4	8.13	6.00	6.13	4.38	7.0	22,700	22,700	45,400
18990		5	8.38	6.50	6.25	4.38	9.0	28,400	28,400	56,800
18991		6	9.75	8.00	7.88	5.25	12.0	34,000	34,000	68,000
18992	1/2"	2	10.38	4.88	7.5	5.25	7.0	19,200	19,200	38,400
18993		3	10.38	6.50	7.5	5.25	13.0	28,800	28,800	57,600
18994		4	11.00	8.13	7.5	5.25	15.0	38,400	38,400	76,800



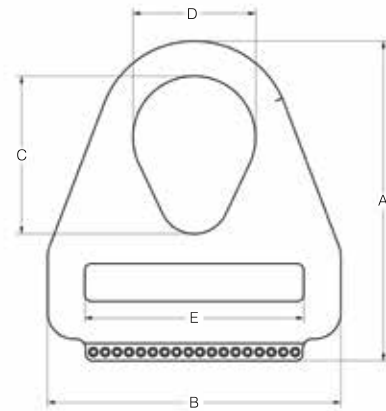
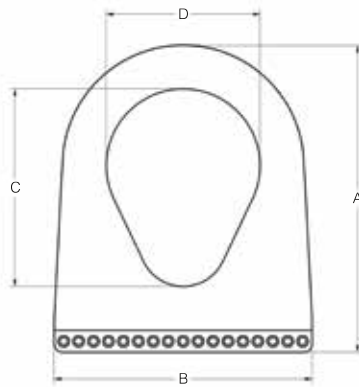
SPECIFICATIONS FOR CHAIN MESH ALLOY STEEL CHOKE								WLL Vertical	WLL Choker	WLL Basket
Part Number	Chain Size	Chain Parts	Dimensions				Weight			
18995	7/32"	3	8.75	7.00	4.13	2.75	4.0	5,000	5,000	10,000
18996		4	8.75	7.00	4.13	2.75	4.0	6,700	6,700	13,400
18997		5	9.75	8.50	5.0	3.50	4.0	8,400	8,400	16,800
18998		6	10.25	8.75	5.25	3.75	5.0	10,800	10,800	21,600
18999	9/32"	3	8.69	7.50	4.13	2.75	5.7	8,400	8,400	16,800
19000		4	8.62	7.00	4.13	2.75	5.7	11,200	11,200	22,400
19001		5	9.75	8.5	5.0	3.50	7.0	14,000	14,000	28,000
19002		6	10.25	9.00	5.25	3.75	7.5	16,800	16,800	33,600
19028	3/8"	3	12.20	8.50	6.13	4.38	11.0	17,000	17,000	34,000
19029		4	11.62	10.00	6.13	4.38	14.5	22,700	22,700	45,400

- Steel Triangle and Choker fittings engineered to be used on wire mesh body slings.
- Powder coat paint resists corrosion.
- Alloy steel for overhead lifting applications.

- 100% domestic parts and workmanship.
- Machined to exacting tolerances.

 Prop 65 – See Page 112

SPECIFICATIONS FOR WIRE MESH TRIANGLES							WLL Vertical	WLL 90 Degree Basket	Minimum Breaking Strength
Part Number	Sling Width	Dimensions				Weight			
		A	B	C	D				
17915	2	4.55	3.10	3.00	2.00	1.0	2,300	4,600	11,500
17925	3	5.18	3.86	3.50	2.50	1.5	3,500	7,000	17,500
17884	4	6.30	4.60	4.00	3.00	2.0	4,800	9,600	24,000
17917	6	7.00	5.87	4.50	3.50	3.5	7,200	14,400	36,000
17919	8	9.00	7.91	6.00	4.50	5.5	9,600	19,200	48,000
17921	10	9.25	9.95	6.25	4.75	6.5	12,000	24,000	60,000
17923	12	9.75	12.00	6.50	5.00	15.0	14,400	28,800	72,000



SPECIFICATIONS FOR WIRE MESH CHOKERS								WLL Vertical	WLL 90 Degree Basket	Minimum Breaking Strength
Model Number	Sling Width	Dimensions					Weight			
		A	B	C	D	E				
17916	2	6.63	4.50	3.00	2.00	3.25	2.0	2,300	4,600	11,500
17926	3	7.31	5.62	3.50	2.50	4.00	3.0	3,500	7,000	17,500
17885	4	7.93	6.37	4.00	3.00	4.75	3.5	4,800	9,600	24,000
17918	6	9.13	8.38	4.50	3.50	6.25	5.5	7,200	14,400	36,000
17920	8	11.38	10.75	6.00	4.50	8.25	9.0	9,600	19,200	48,000
17922	10	11.88	13.25	6.25	4.75	10.25	11.5	12,000	24,000	60,000
17924	12	12.88	15.50	6.50	5.00	12.36	15.0	14,400	28,800	72,000

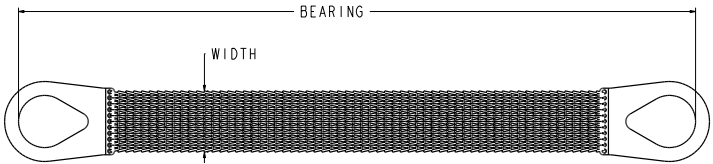
WIRE MESH SLING

- Steel construction resists abrasion and cutting.
- Each sling is permanently stamped with capacity and serial number.
- Grips contour of the load.
- Each sling is proof-tested and certified.
- Grips load firmly without stretching – reduces load damage.
- Resists abrasion and cutting for greater sling life.
- Low stretch and wide-bearing area distributes load to help avoid damage.

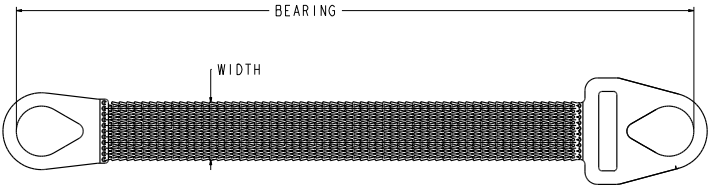
- The slings are repairable.
- Alloy steel end fittings are powder coated for long life.
- Width of mesh helps control and balance load.
- End fittings accomodate most large crane hooks.
- Wire mesh slings shall not be used at temperatures above 550°F.
- Store in a clean, dry area.

 Prop 65 – See Page 112

Wire Mesh Width (in.)	RATED CAPACITY (LBS)*		
	Vertical	Choker	Basket
2	2,300	2,300	4,600
3	3,500	3,500	7,000
4	4,800	4,800	9,600
6	7,200	7,200	14,400
8	9,600	9,600	19,200
10	12,000	12,000	24,000
12	14,400	14,400	28,800



TYPE 2, TRIANGLE / TRIANGLE



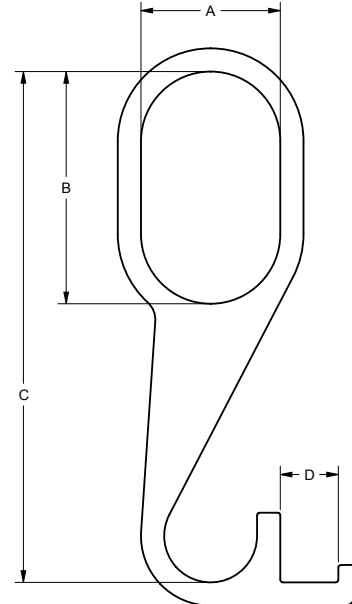
TYPE 1, TRIANGLE / CHOKER

Type	Width	10 GUAGE, PART NUMBER & LENGTH IN FEET					Weight of 3' Sling	Mesh Weight (Per ft)
		3'	4'	6'	8'	10'		
2	2"	WMTT2-3	WMTT2-4	WMTT2-6	WMTT2-8	WMTT2-10	6	1.3
2	3"	WMTT3-3	WMTT3-4	WMTT3-6	WMTT3-8	WMTT3-10	8	1.9
2	4"	WMTT4-3	WMTT4-4	WMTT4-6	WMTT4-8	WMTT4-10	10	2.5
2	6"	WMTT6-3	WMTT6-4	WMTT6-6	WMTT6-8	WMTT6-10	16	3.9
2	8"	WMTT8-3	WMTT8-4	WMTT8-6	WMTT8-8	WMTT8-10	22	5.1
2	10"	WMTT10-3	WMTT10-4	WMTT10-6	WMTT10-8	WMTT10-10	28	6.4
2	12"	WMTT12-3	WMTT12-4	WMTT12-6	WMTT12-8	WMTT12-10	34	7.6
1	2"	WMTC2-3	WMTC2-4	WMTC2-6	WMTC2-8	WMTC2-10	6	1.3
1	3"	WMTC3-3	WMTC3-4	WMTC3-6	WMTC3-8	WMTC3-10	8	1.9
1	4"	WMTC4-3	WMTC4-4	WMTC4-6	WMTC4-8	WMTC4-10	10	2.5
1	6"	WMTC6-3	WMTC6-4	WMTC6-6	WMTC6-8	WMTC6-10	16	3.9
1	8"	WMTC8-3	WMTC8-4	WMTC8-6	WMTC8-8	WMTC8-10	22	5.1
1	10"	WMTC10-3	WMTC10-4	WMTC10-6	WMTC10-8	WMTC10-10	28	6.4
1	12"	WMTC12-3	WMTC12-4	WMTC12-6	WMTC12-8	WMTC12-10	34	7.6

- Manufactured to exceed all ASME B30.20 and OSHA regulations.
- Powder coat painted safety red for increased visibility.
- **ALL** Lifting equipment shipped with proof load certification paperwork.
- Durable construction ideally suited to jobsite or warehouse use.
- Made in U.S.A.
- Machined to exacting tolerances.
- U.S. Patent No. 8,028,436

 Prop 65 – See Page 112

Capacity in Pounds	Part Number	A	B	C	D	Weight in Pounds
500	12187	3	5	11	1.3	3
1,000	19474	5	8	15	1.3	6



INSPECTION / SAFETY DEVICES

Sling Inspection and Measuring Hook



STEP 2 : Insert your tape measure into the slotted section of the hook. Make sure the tape sits into the groove and is hanging parallel with the chain legs. Do not allow the tape measure to become kinked or rest at an angle.

STEP 3 : Perform your daily, link-by-link inspection of the chain sling while raising the hoist hook. This can easily be done at eye level with no stooping or kneeling on the floor.

Required under OSHA 1910.184(d) : Each day before being used, the sling and all fastenings and attachments shall be inspected for damage or defects by a competent person designated by the employer. Additional inspections shall be performed during sling use, where service conditions warrant. Damaged or defective slings shall be immediately removed from service.



STEP 4 : Measure the bearing of the sling. This can easily be done at eye level by raising the hoist hook. **Because the sling is hanging vertically, the measurement will be more accurate than those taken while the sling is laying on the ground.** Also, the measurement can be easily done by a single person in a short time.





PROOF LOADING

1. All BTHLDs meet or exceed all ASME B30.20 and OSHA 1926.251 design specifications, and are proof loaded to 125% of their stated Working Load Limit.
2. All chain, wire rope and synthetic slings are manufactured to meet and exceed ASME B30.9 and OSHA 1910.184.

MARKING AND STENCILING OF BTHLDS

1. Stencil markings on both sides with the working load limit (WLL) and the **Machining & Welding** logo. Any additional marking, when required by the customer, will be noted on applicable paperwork or drawings.
2. Stencil markings are black unless otherwise specified. DO NOT EXCEED RATED CAPACITY. Warning decal is attached if space permits.
3. Stencil markings of the WLL is on lifter unless space does not allow.
4. The WLL marking is located in central locations so that it is both highly visible and upright during normal use.
5. A serial number tag is permanently attached which meets and exceeds ASME B30.9 and OSHA specifications.
6. All chain, wire rope, and synthetic slings are tagged to meet and exceed ASME B30.9 and OSHA 1910.184.

DESIGN SERVICE CLASS AND LIFE CATEGORY PER ASME BTH-1

Unless otherwise specified on applicable paperwork or product drawings, the design category used is “B” and the service life is Class “2” (up to 500,000 load cycles). Different design categories and service classes must be specified by the buyer prior to order placement. The lifting product will then be engineered to meet the specified requirements. Inspection required per ASME B30.20 “normal service.” Fixtures to be re-tested and documented annually.

SERVICE TEMPERATURES OF BTHLD’S

All lifting devices and slings sold by **Machining & Welding** are manufactured to meet or exceed ASME B30.20 and ASME B30.9 unless otherwise noted. These specifications require the user to perform a pre-lift equipment inspection and limit the amount of impact and shock loading to a minimum. This is of extreme importance especially when the service temperature is below 35°F, and increasingly important at lower temperatures. On this basis, the **Machining & Welding** standard service temperature for all BTHLDs is within the temperature range of 25°F to 150°F. The buyer has the option of purchasing BTHLDs made for arctic service to -50°F. These devices are made of special steels produced to withstand Charpy impact tests made at -50°F, and must be specified by the buyer prior to order placement.

PRE-LIFT INSPECTION PROCEDURES

Machining & Welding requires that before any lift, the BTHLD is inspected for cracks, gouges, or deep scratches in high stress areas in accordance with all applicable ASME B30.9, ASME B30.20 and OSHA requirements.

REPAIRS OF BTHLDS

All repairs of BTHLDs must be performed by **Machining & Welding**. Any BTHLD removed from use after inspection must be returned to **Machining & Welding** for evaluation and inspection. Contact **Machining & Welding** for instructions and Return Goods Authorization (RGA) numbers prior to returning BTHLDs for inspection or repair.

WARRANTY OF BTHLDS

Machining & Welding warrants every item of its manufacture, when used under normal operating conditions, to be free from defects in material and workmanship within thirty days from the date of original billing. If upon return of a product within thirty days from the date of original billing, our examination should disclose defects in manufacture, it is our limited obligation under this warranty to make good at our facility in Cokato, MN, the complete product or any portion thereof, within thirty days from the date of original billing. If any repairs, heat treatment, or annealing of products are conducted at any place other than our facilities, this warranty shall be rendered null and void. **Machining & Welding** will assume no other obligations or liabilities, expressed or implied, than those contained in this warranty. This warranty, which is given expressly and in lieu of all other warranties, expressed or implied, of merchantability and fitness for a particular purpose, constitutes the only warranty made by **Machining & Welding**.

FREQUENTLY ASKED QUESTIONS AND BUYING CONSIDERATIONS

How do I know if the manufacturer of the Below-the-Hook Lifting Device conforms to ASME B30.20, ASME BTH-1 and OSHA 1926.251 design specifications?

Ask, and if the answer is NO, then **DO NOT BUY THE DEVICE!** Companies that purchase lifting devices not conforming to ASME and OSHA requirements run the risk of endangering their worker's safety and expose themselves to potential lawsuits and potential OSHA fines. M&W proudly manufactures all Below-the-Hook Lifting Devices to meet or exceed all applicable ASME and OSHA requirements.

My Below-the-Hook Lifting Device was designed by a professional engineer. Do we still need to conform to ASME B30.20 and OSHA 1926.251 design specifications? Does the device need to be load tested?

YES to both. All below-the-hook lifting devices need to conform to the ASME and OSHA specifications. OSHA 1926.251(a)(4) requires: **Special custom design grabs, hooks, clamps, or other lifting accessories, for such units as modular panels, prefabricated structures and similar materials, shall be marked to indicate the safe working loads and shall be proof-tested prior to use to 125 percent of their rated load.** If a below-the-hook lifting device is not a regularly manufactured or produced item, the device is deemed a special custom design and must be "marked to indicate the safe working loads and shall be proof-tested prior to use" in accordance with the OSHA 1926.251(a)(4) requirements.

We've been using a 'homemade' Below-the-Hook Lifting Device for years without any problems. Does this OSHA rule apply to us? Aren't we 'grandfathered' in?

Yes, OSHA 1926.251 applies and NO, you are not 'grandfathered' in. These 'homemade' lifting devices are frequently in violation. They expose your company to potential OSHA fines and penalties. They also can potentially subject the designer and fabricator to personal liability litigation.

How do I know which Below-the-Hook Lifting Device is best suited for my application?

As the manufacturer, we are able to help you make the best decision based on the designs available and the costs involved. Using a less expensive, lighter duty lifter in a heavy duty application is all too common in our industry. By working with our customers, we're able to keep costs, downtime and injuries to a minimum.

How much information does M&W need to know to determine which Below-the-Hook Lifting Device is best suited for my application?

As a general rule, more information is better. However, we do have standard forms you can fill out to answer most of our questions.

Do I need to worry about spare parts for my Below-the-Hook Lifting Device?

No. At M&W, we keep detailed engineering records of every lifter we sell so we're able to easily and quickly get you replacement parts if the situation arises.

Do you have personnel who are able to come in to our plant and look at our current situation?

Yes - we have established a proven track record of service, performance, and quality with our customers for over 50 years. Part of that commitment to service is having experts available to come to your facility to inspect your equipment and offer solutions which fit your company's unique needs and technical requirements.

How do I educate my personnel on how to safely use the Below-the-Hook Lifting Device once we receive it?

At M&W, we're constantly working to help our customers operate in safer, more accident-free environments. We've also teamed up with our local community college to help develop accredited curriculum which can be scheduled for employees in your plant. Our **User Responsibilities for Inspection, Maintenance, and Safe Operation for Below The Hook Lifting Devices** is an excellent reference to address safety issues concerning daily and periodic inspections.

Are M&W personnel certified? How do I know an M&W lifter is safe for my application?

All M&W welding personnel are certified to AWS D14.1 and ASME BTH-1 in accordance with ASME B30.20 requirements. Certification paperwork is available upon request.

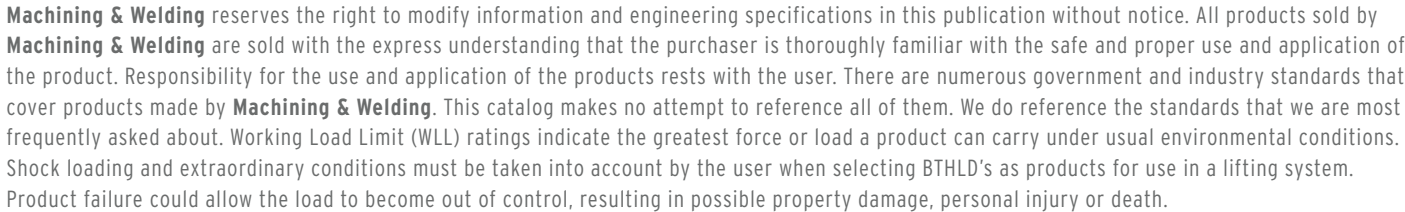


**WARNING: Cancer
and Reproductive Harm -**
www.P65Warnings.ca.gov

CALIFORNIA PROPOSITION 65

WARNING: The steel and alloy steel in this product contains chromium and nickel. This product can expose you to chemicals including nickel and chromium, which are known to the state of California to cause cancer and birth defects or reproductive harm. For more information go to **www.p65warning.ca.gov**

Normal handling and use of this product is not generally an exposure concern. However, unintended uses and activities that included, but not limited to grinding, sanding, welding, and others can expose you to ingestion, inhalation or absorption of chemicals that require proposition 65 warnings.





MACHININGANDWELDING.COM

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