

# Lifting Gear Hire | Rigging

All of the products in this section are available for rent from any of our distribution centers.

















For specific product information, refer to any group of equipment on the right, and its corresponding page number.

Lifting Gear Hire offers a variety of slings, shackles, lifting beams, spreader beams, and modular spreader beams.

**Our rigging equipment is supplied from reputable manufacturers such as Lift-All, Crosby, Van Beest, Caldwell, and Pewag.**

# Rigging Section Overview

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# Digital Load Links

## 2.5- 100 Ton LLX Series Specifications



LLX-TR Model with wireless remote



LLX Series 2.5-100 ton



Specifications							
Model Number	Capacity lbs (tons)	Accuracy ±lbs (±kg)	Minimum Display lbs (kg)	Max Display lbs (tons)	Height of digits in. (mm)	Weight lbs (kg)	Dimensions in. (mm)
LLX-2.5	5,000 (2.5)	10 (5)	2 (1)	5,000 (2.5)	0.7 (18)	3 (1.4)	8.4 x 3.2 x 2.2 (214 x 83 x 56)
LLX-12.5	25,000 (12.5)	50 (25)	10 (5)	25,000 (12.5)	1 (25)	8.4 (3.8)	12.2 x 4.3 x 2.3 (310 x 110 x 58)
LLX-25	50,000 (25)	100 (50)	20 (10)	50,000 (25)	1 (25)	14.5 (6.6)	14.1 x 5.3 x 2.7 (360 x 134 x 68)
LLX-50	100,000 (50)	200 (100)	40 (20)	99,950 (50)	1 (25)	33 (15.1)	17 x 6.5 x 3.9 (440 x 164 x 98)
LLX-100	200,000 (100)	400 (200)	100 (50)	N/A (100)	1 (25)	101 (46)	26 x 10.2 x 4.7 (660 x 260 x 118)

Green shading reflects rental inventory.

# Digital Load Links

2,500 - 550,000 lbs EDxtreme Dynamometer Specifications



## EDxtreme Dynamometer

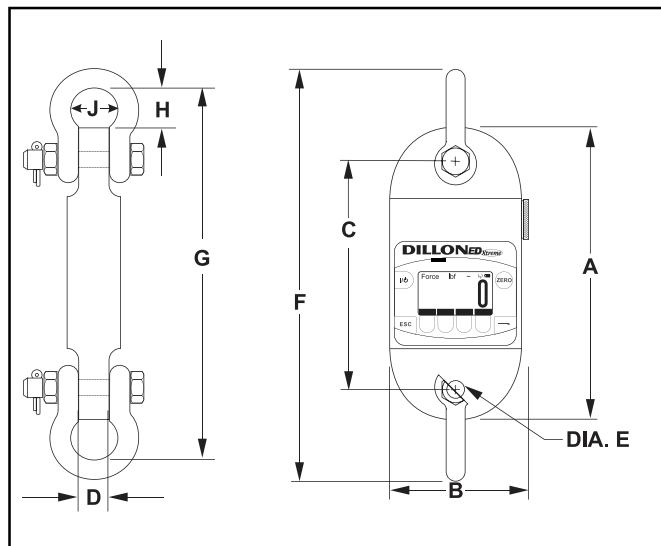


Specifications				
Model Number	Capacity x Resolution		normal/enhanced	Body Construction and Overload Design
EDx-2.5K	2,500 lbf x 2/0.5	1,000 kgf x 1/0.2	10000 N x 10/2	Aircraft quality 2024 Aluminum 700% Ultimate overload protection
EDx-5K	5,000 lbf x 5/1	2,000 kgf x 2/0.5	20000 N x 20/5	
EDx-10K	10,000 lbf x 10/2	5,000 kgf x 5/1	50000 N x 50/10	
EDx-25K	25,000 lbf x 20/5	10,000 kgf x 10/2	10000 N x 100/20	Aircraft quality E4340 Alloy Steel 500% Ultimate overload protection
EDx-50K	50,000 lbf x 50/10	20,000 kgf x 20/5	200000 N x 200/50	
EDx-100K	100,000 lbf x 100/20	50,000 kgf x 50/10	500000 N x 500/100	
EDx-160K	160,000 lbf x 200/50	75,000 kgf x 100/20	—	Aircraft quality E4340 Alloy Steel 400% Ultimate overload protection
EDx-220K	220,000 lbf x 200/50	100,000 kgf x 100/20	—	
EDx-330K	330,000 lbf x 500/200	150,000 kgf x 200/50	—	
EDx-550K	550,000 lbf x 500/200	200,000 kgf x 200/50	—	

Green shading reflects rental inventory.

Dimensions										
Dimensions shown are nominal and subject to tolerances										
Model Number	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	J in. (mm)	
EDx-2.5K	10.6 (269)	5.0 (127)	7.8 (198)	1.06 (26)	0.75 (19)	15.3 (389)	13.4 (340)	1.36 (34)	1.69 (43)	
EDx-5K	10.6 (269)	5.0 (127)	7.8 (198)	1.06 (26)	0.75 (19)	15.3 (389)	13.4 (340)	1.36 (34)	1.69 (43)	
EDx-10K	11.4 (289)	5.3 (135)	8.1 (206)	1.38 (35)	1.00 (25)	17.8 (451)	15.8 (402)	2.17 (56)	2.28 (58)	
EDx-25K	11.5 (291)	5.3 (135)	7.9 (201)	1.97 (50)	1.38 (35)	21.6 (548)	18.8 (478)	3.67 (93)	3.25 (83)	
EDx-50K	13.7 (348)	6.0 (152)	9.0 (229)	2.75 (70)	2.0 (51)	29.7 (754)	25.2 (640)	5.7 (146)	5.0 (127)	
EDx-100K	15.8 (400)	6.8 (172)	10.3 (262)	3.88 (99)	2.75 (70)	40.5 (1,029)	34.3 (870)	9.3 (235)	7.3 (184)	
EDx-160K	16.5 (419)	7.8 (197)	10.3 (262)	3.88 (99)	2.75 (70)	40.5 (1,030)	34.3 (870)	8.9 (225)	7.3 (184)	
EDx-220K	18.0 (457)	7.8 (197)	11.0 (280)	5.00 (127)	3.25 (83)	47.7 (1,211)	40.5 (1,027)	11.2 (284)	7.8 (200)	
EDx-330K	21.0 (533)	8.8 (222)	12.6 (321)	5.25 (133)	3.75 (95)	53.9 (1,368)	45.6 (1,159)	12.3 (313)	9.0 (229)	
EDx-550K	27.0 (686)	9.8 (248)	17.5 (445)	8.5 (216)	5.00 (127)	75.8 (1,925)	62.8 (1,595)	17.9 (454)	13.0 (330)	

Green shading reflects rental inventory.



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DILLON

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# Digital Load Links

## EDxtreme Dynamometer Specifications

### Dynamometer Specifications

**Enclosure:** Designed to NEMA4X/IP55. Suitable for continuous outdoor use.

**Accuracy:** 0.1% of capacity up to EDx-100K.\* 0.3% of capacity for EDx-160K and above.\*

**Repeatability:** 0.1% of capacity up to EDx-100K.\* 0.3% of capacity for EDx-160K and above.\*

\* Normal resolution mode with Dillon provided shackles

**Ultimate overload:** See table on reverse.

**Safe overload:** 200% of capacity

**Body protection:** Aluminum capacities are anodized. Alloy steel capacities are electroless-nickel plated.

**Bearings:** Unmatched repeatability attained by needle bearings in shackle pin holes up to EDx-10K. Shackle pin acts as inner race.

**Shackles:** Forged industry standard anchor shackles. Models up to EDx-10K use precision machined shackle pin. Higher capacities use bar stock pin.

**Display:** 128 x 64 dot-graphic LCD display shows up to 6 digits 1.0" (26 mm) high plus annunciators and softkeys. Digits are .11 inches (7mm) thick for unmatched readability.

Display update rate: 2 times per second.

**Connector:** Recessed sealed connector may be used for serial communications or connection to a Communicator remote.

RS-232 / RS-485 communication: Print or extract data easily. Continuous output can drive a scoreboard. Configurable poll character.

**Calibration:** Traceable to the National Institute of Standards and Technology. Certificate included with curve of readings. Passes only with three consecutive confirming runs, with all points in specification.

**Battery Life:** 320 hours typical use with two C-cell alkaline batteries. 40 hours typical with Radio Link system.

**Operating temperature:** -4° F to 140° F (-20° to 60° C)

Included with Instrument: All include certificate of calibration, manual and batteries. Plastic carry case included for EDx-2.5 to EDx-100K. Higher capacities include rugged plywood storage crate. Instruments with shackles include centering spacers (ED-x50K & up) and storage crate (EDx-50k to EDx-160K).

Options: Shackles. 2.4 GHz radio board. Display backlight.

### Communicator Specifications

**Enclosure:** Designed to NEMA 3 / IP44 with optional sleeve. Suitable for protected outdoor use.

Instrument size: 9.0 x 4.6 x 1.8 inch (228 x 117 x 45mm).

**Accuracy:** Not applicable. Only sends and receives digital information.

**Display:** 128 x 64 dot-graphic LCD display can show full readings up to 5 instruments.

**Battery life:** 40 hours radio or 45 wireline using four AA alkaline batteries under typical use.

**Operating temperature:** -4° F to 140° F (-20° to 60° C)

**Connectors:** Sealed connectors may be used for serial communications and wired connection to an EDxtreme dynamometer.

RS-232 communication: Print or extract data easily. Continuous output can drive a scoreboard. Configurable poll character.

Included with remote: Carry case and batteries.

**Accessories:** Rubberized case protector sleeve. Remote wall mount bracket. Serial and remote cable assemblies.

### Radio Specifications

**FCC Certified:** For unlicensed low power devices. No radio licensing or permits required for normal operation.\* (In the US and Canada. Check local ordinances in other countries.)

**Frequency:** 2.4 GHz spread-spectrum operates between 2.402-2.478 GHz. Continuously and automatically changes frequencies many times per second for consistent, reliable communications.

**Output level:** 10 mW (20dBm)

Display update rate: 2 times per second with single dynamometer.

Multi-instrument networks result in reduced updates.

**Number of networks:** 63 remotes can operate independently in the same airspace with unique channels.

Number of links remote can control: Up to 15 addresses are available per network channel.

**Configuration:** Address and Network channels are front-panel configurable.

**Antenna:** Integral antenna.

**Range:** Open-air - Up to 300 feet, line-of-sight. Indoors-dependent upon environment with 150 feet common.

Approval: FCC ID: KQL-PKLR2400 CAN ID: CAN2268391158A

Weights						
Model	Unit Weight		Weight with Shackles		Approx. Shipping Weight	
	lb	Kg	lb	Kg	lb	Kg
EDx-2.5K	4.3	2.0	8.6	3.9	13	6
EDx-5K	4.4	2.0	8.7	3.9	13	6
EDx-10K	5.6	2.5	14	6.1	22	10
EDx-25K	16	7.3	40	18	46	21
EDx-50K	25	11	96	43	125	56
EDx-100K	38	17	238	108	296	134
EDx-160K	54	25	250	114	325	145
EDx-220K	70	32	410	186	480	218
EDx-330K	120	54	650	295	750	340
EDx-550K	250	113	1,490	675	1,600	725
Communicator	1	.5	n/a	n/a	10	5

Green shading reflects rental inventory.

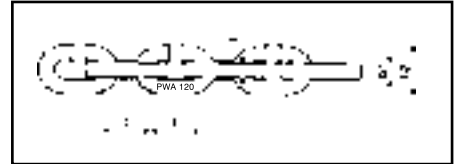


# Chain Slings

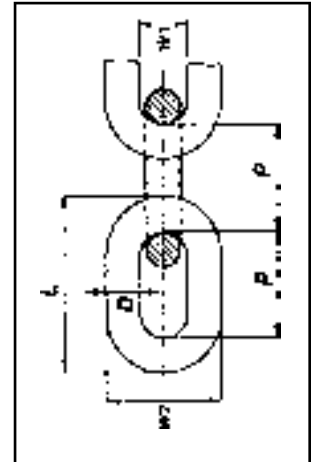
Chain Dimensions / Load Rating & Testing



Dimensions							
Grade 120 Alloy (in)	Nominal Thickness d	Pitch t	Width		WLL lb Safety Factor 4:1	Breaking load lb	Weight lb/ft
			inside b1 min.	Outside b2 max.			
NI 720 (9/32)	.276 (7 mm)	.866	.393	1.024	5,200	20,800	.874
NI 1020 (3/8)	.394 (10 mm)	1.300	.559	1.457	10,600	42,400	1.747
NI 1320 (1/2)	.512 (13mm)	1.614	.732	1.949	17,900	71,600	3.091



Weights								
Diameter (in)	Grade 100 Alloy	Grade 80 Alloy	Grade 50 Stainless Steel	Nominal Diameter D	Pitch P	Width		Weight lb/ft
						inside W1 min.	Outside W2 max.	
3/16	—	—	Nik 5	.197	.630	.295	.728	.376
7/32	Ni 5.50	Ni 5.5	—	.217	.680	.319	.787	.470
9/32	Ni 70	Ni 7	Nik 7	.276	.826	.375	.992	.738
5/16	Ni 80	Ni 8	—	.315	.945	.430	1.134	.939
3/8	Ni 100	Ni 10	Nik 10	.394	1.181	.531	1.417	1.475
1/2	Ni 130	Ni 13	Nik 13	.512	1.535	.689	1.843	2.548
5/8	Ni 160	Ni 16	Nik 16	.630	1.890	.846	2.268	3.830
3/4	Ni 200	Ni 20	—	.787	2.440	1.008	2.776	5.780
7/8	Ni 220	Ni 22	—	.866	2.598	1.161	3.118	7.324
1	Ni 260	Ni 26	—	1.024	3.071	1.378	3.685	10.214
1-1/4	—	Ni 32	—	1.260	3.780	1.701	4.528	15.455



Load Rating															
Grade 120 Alloy				Grade 100 Alloy				Grade 80 Alloy				Grade 50 Stainless Steel			
Diameter (in)	Working load lbs Safety factor 4:1	Manufac. test load lbs	Breaking load lbs	Diameter (in)	Working load lbs Safety factor 4:1	Manufac. test load lbs	Breaking load lbs	Diameter (in)	Working load lbs Safety factor 4:1	Manufac. test load lbs	Breaking load lbs	Diameter (in)	Working load lbs Safety factor 4:1	Manufac. test load lbs	Breaking load lbs
—	—	—	—	—	—	—	—	—	—	—	—	3/16	1,100	2,200	4,400
9/32	5,200	10,400	20,800	7/32	2,700	5,400	10,800	7/32	2,100	4,200	8,400	—	—	—	—
—	—	—	—	9/32	4,300	8,600	17,200	9/32	3,500	7,000	14,000	9/32	2,200	4,400	8,800
3/8	10,600	21,200	42,400	5/16	5,700	11,400	22,800	5/16	4,500	9,000	18,000	—	—	—	—
1/2	17,900	35,800	71,600	3/8	8,800	17,600	35,200	3/8	7,100	14,200	28,400	3/8	4,400	8,800	17,600
—	—	—	—	1/2	15,000	30,000	60,000	1/2	12,000	24,000	48,000	1/2	7,100	14,200	28,200
—	—	—	—	5/8	22,600	45,200	90,400	5/8	18,100	36,200	72,400	5/8	11,000	22,000	44,000
—	—	—	—	3/4	35,300	70,600	141,200	3/4	28,300	56,600	113,200	—	—	—	—
—	—	—	—	7/8	42,700	85,400	170,800	7/8	34,200	68,400	136,800	—	—	—	—
—	—	—	—	1	59,700	119,400	238,800	1	47,700	95,400	190,800	—	—	—	—
—	—	—	—	1 1/4	90,400	180,800	361,600	1 1/4	72,300	144,600	289,200	—	—	—	—

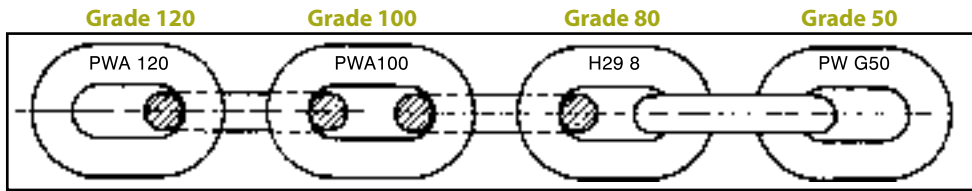


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# Chain Slings

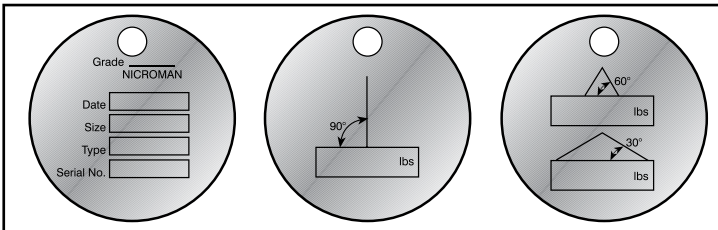
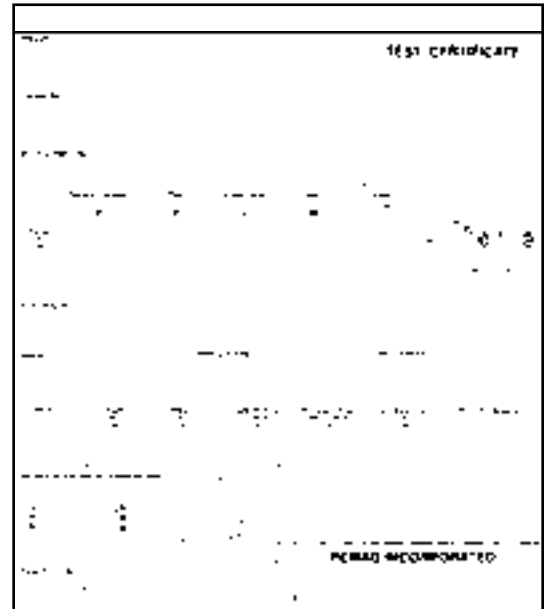
ID Testing & Reduction Factors



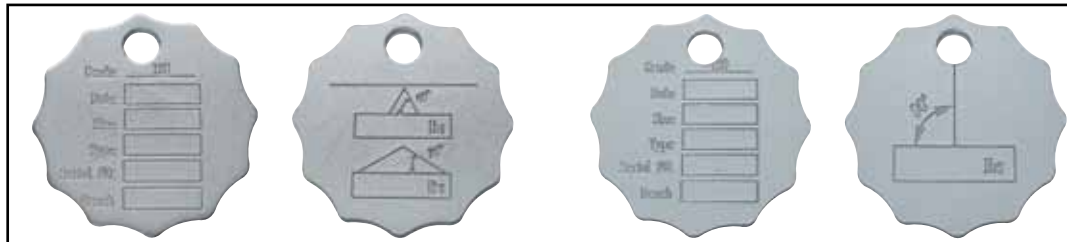
Pewag lifting chain and fittings are marked with a batch identification number and the manufacturer's identification marking: the number, "120" or "12" to indicate Grade 120 Alloy, "100", "10" or "V" to indicate Grade 100 Alloy, "8" to indicate Grade 80 Alloy and "50" to indicate Grade 50 Stainless.

All Alloy chains are 100% tested to 2 times the working load values and are furnished with a test certification to this effect.

**Every chain sling manufactured by Pewag is supplied with a steel tag and test certificate as shown.**



**Single-leg chain      Multi-leg chain**



To be used for various slinging methods and conditions without shock loads.

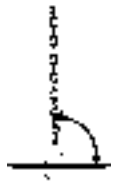
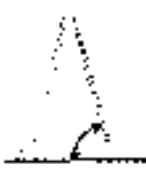

Grade 120 12" point I.D. tag

Load factor	.8	1.4	1.4	1.6	Reduction factor	7	1	.7	.5
						Asymmetrical distribution of load			
							R = more than 2 x chain dia.	R = more than chain dia.	Sharp corners



# Chain Slings

## Maximum Work Load of Chain Sling Applications

Specifications									
Safety Factor	1-leg slings	2-leg-slings			3-leg slings and 4-leg slings				
									
Angle	90 degrees	60 degrees	45 degrees	30 degrees	60 degrees	45 degrees	30 degrees		
Load Factor	1	1.7	1.4	1	2.6	2.1	1.5		
Grade 120 Alloy									
<b>Ni 720</b>	½"	5,200	9,000	7,400	5,200	13,500	11,000	7,800	Retains 100% of work load limit at minus 40-400 degrees F. Not for temperatures over 400 degrees F.
<b>Ni 1020</b>	¾"	10,600	18,400	15,000	10,600	27,500	22,500	15,900	
<b>Ni 1320</b>	1"	17,900	31,000	25,300	17,900	46,500	38,000	26,900	
Grade 100 Alloy									
<b>Ni 5.50</b>	½"	2,700	4,700	3,800	2,700	7,000	5,700	4,000	Retains 100% of work load limit at minus 40-400 degrees F. Not for temperatures over 400 degrees F.  Special G100 750 F chain for elevated temperature available.
<b>Ni 70</b>	½"	4,300	7,400	6,100	4,300	11,200	9,100	6,400	
<b>Ni 80</b>	⅝"	5,700	9,900	8,100	5,700	14,800	12,100	8,500	
<b>Ni 100</b>	¾"	8,800	15,200	12,400	8,800	22,900	18,700	13,200	
<b>Ni 130</b>	1"	15,000	26,000	21,200	15,000	39,000	31,800	22,500	
<b>Ni 160</b>	⅞"	22,600	39,100	32,000	22,600	58,700	47,900	33,900	
<b>Ni 200</b>	¾"	35,300	61,100	49,900	35,300	91,700	74,900	53,000	
<b>Ni 220</b>	⅞"	42,700	74,000	60,400	42,700	110,900	90,600	64,000	
<b>Ni 260</b>	1"	59,700	103,400	84,400	59,700	155,100	126,600	89,550	
Grade 80 Alloy									
<b>Ni 5.5</b>	½"	2,100	3,600	3,000	2,100	5,500	4,400	3,200	Retains 100% of work load limit at minus 40-400 degrees F, 90% at 400-570 degrees F, and 75% at 570-750 degrees F. Not for temperatures over 750 degrees F.
<b>Ni 7</b>	½"	3,500	6,100	4,900	3,500	9,100	7,400	5,200	
<b>Ni 8</b>	⅝"	4,500	7,800	6,400	4,500	11,700	9,500	6,800	
<b>Ni 10</b>	¾"	7,100	12,300	10,000	7,100	18,400	15,100	10,600	
<b>Ni 13</b>	1"	12,000	20,800	17,000	12,000	31,200	25,500	18,000	
<b>Ni 16</b>	⅞"	18,100	31,300	25,600	18,100	47,000	38,400	27,100	
<b>Ni 20</b>	¾"	28,300	49,000	40,000	28,300	73,500	60,000	42,400	
<b>Ni 22</b>	⅞"	34,200	59,200	48,400	34,200	88,900	72,500	51,300	
<b>Ni 26</b>	1"	47,700	82,600	67,400	47,700	123,900	101,200	71,500	
<b>Ni 32</b>	1¼"	72,300	125,200	102,200	72,300	187,800	153,400	108,400	
Grade 50 Stainless Steel									
<b>Nik 5</b>	⅝"	1,100	1,900	1,600	1,100	2,900	2,300	1,700	Retains 100% of work load limit at minus 50-750 degrees F, 75% at 750-1,100 degrees F, and 50% at 1,100-1,290 degrees F. Not for temperatures over 1,290 degrees F.
<b>Nik 7</b>	½"	2,200	3,800	3,100	2,200	5,700	4,600	3,300	
<b>Nik 10</b>	¾"	4,400	7,500	6,200	4,400	11,500	9,300	6,600	
<b>Nik 13</b>	1"	7,100	12,100	10,000	7,100	18,500	14,900	10,700	
<b>*Nik 16</b>	⅞"	11,000	18,700	15,600	11,000	23,100	23,100	16,500	

\*Sling work load limits are reduced 10% when the HSK16 eye sling hook is used.



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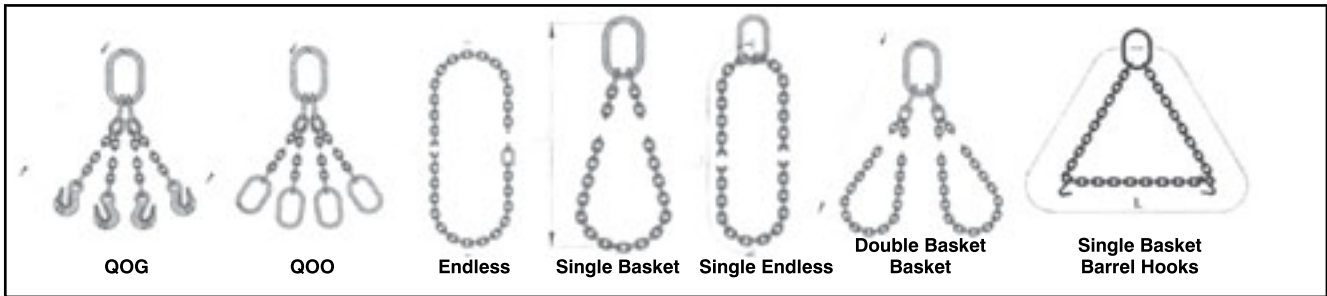
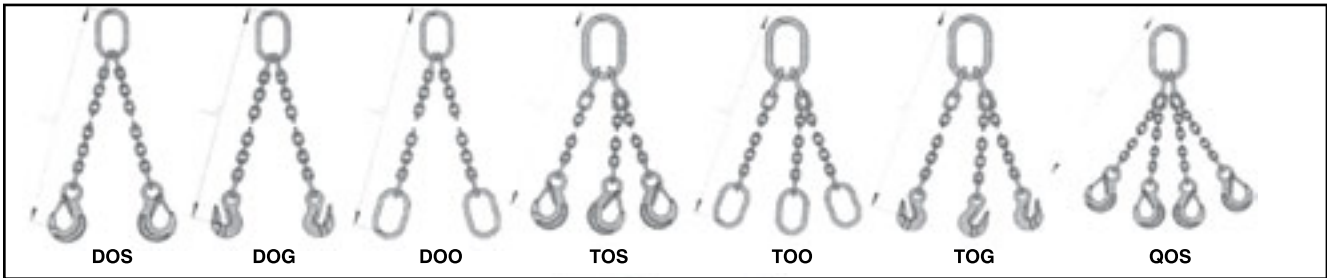
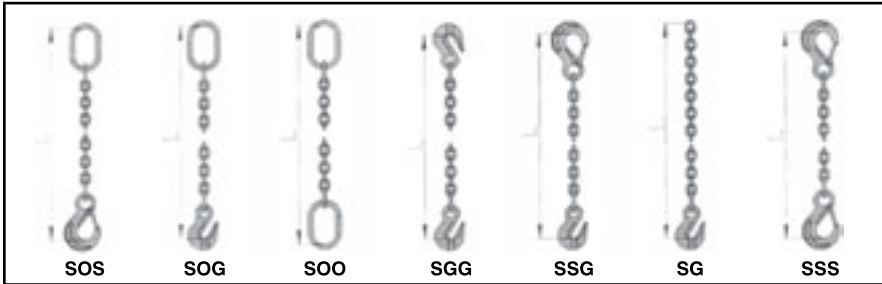
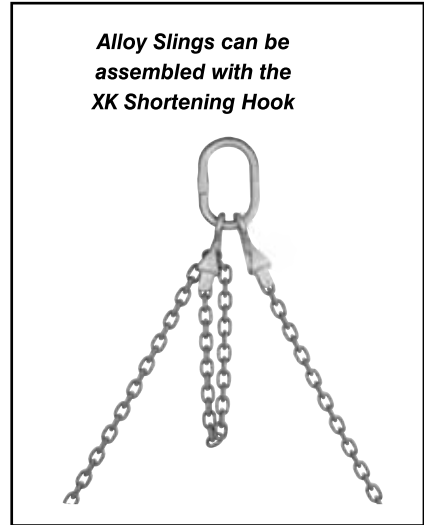


# Chain Slings

## Standard Assemblies of Pewag Chain

### Standard Assemblies of Pewag Chain

Chain slings can be delivered with Connex connecting links and accessories ready fitted, with clevis fittings, or in welded construction. Should you require any chain sling assemblies other than those in this brochure, please send us a sketch of the desired model. The standard tolerance for the length "L" is + 2 - 0 pitch.



### Ordering Data - Example of how to order:

1. Determine the maximum load to be lifted.
2. Determine the type of slings needed (single, double, etc.)
3. Estimate the proper angle between the leg of the sling and the load during operation
4. Select the proper fittings (hooks, master links, etc.)
5. Determine the overall reach (measured from bearing point on master link to bearing point of fitting).
6. Choose chain size which meets your required work load, angle and reduction factor
7. Choose grade, type and finish of steel which meets your requirements.



# Chain Sling Hardware

Grade 100 Alloy Components



## MASTER LINK A



MASTER LINK FOR SINGLE LEG SLINGS AND 2-LEG SLINGS. PROOF TESTED 2x WLL (\*) WORKING LOAD LIMIT OF MASTER LINK ONLY.

Master Link A Specifications								
Code	WLL (*) lbs 4:1	Stock Dia. (in)	d	t	w	weight lb/ pc.	Master link for chain $\theta$	
							1-leg	2-leg
A 100	3,800	3/8	.39	3.15	1.97	.31	1/2	
A 130	5,800	1/2	.51	4.33	2.36	.75	3/4	1/2
A 160	7,500	5/8	.63	4.33	2.36	1.17	3/4	3/4
A 180	10,000	3/4	.71	5.31	2.95	1.90	3/4	3/4
A 220	16,700	7/8	.91	6.30	3.54	3.53	1/2	3/4
A 260	26,000	1	1.06	7.09	3.94	5.42	3/4	1/2
A 320	39,100	1 1/4	1.30	7.87	4.33	9.13	3/4	3/4
A 360	61,100	1 1/2	1.42	10.24	5.51	13.71	3/4	3/4
A 450	83,100	1 3/4	1.77	13.39	7.09	28.26	1	3/4
A 500	111,000	2	1.97	13.78	7.48	36.49	1 1/4	1
A 560	147,300	2 1/4	2.361	15.75	7.87	59.55		1 1/4

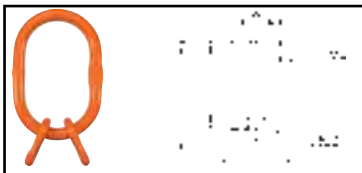
## ENLARGED MASTER LINK M



THE SAME AS MASTER LINK A ABOVE; HOWEVER BECAUSE OF THEIR LARGER INNER DIMENSIONS, SUITABLE FOR LARGER CRANE HOOKS OR SPECIAL HOOKS. PROOF TESTED 2x WLL (\*) WORKING LOAD LIMIT OF MASTER LINK.

Enlarged Master Link M Specifications								
Code	WLL (*) lbs 4:1	Stock Dia. (in)	d	t	w	weight lb/ pc.	Master link for chain $\theta$	
							1-leg	2-leg
M 100	3,800	3/8	.43	3.54	2.56	.49	1/2	
M 130	6,100	1/2	.55	4.72	2.76	.97	3/4	1/2
M 160	8,400	5/8	.63	5.51	3.15	1.48	3/4	3/4
M 180	12,800	3/4	.75	6.30	3.74	2.40	3/4	3/4
M 220	18,500	7/8	.91	6.30	4.33	3.73	1/2	3/4
M 260	30,000	1	1.06	7.48	4.33	5.84	3/4	1/2
M 320	45,000	1 1/4	1.30	9.06	5.12	10.54	3/4	3/4
M 360	61,100	1 1/2	1.50	10.83	5.91	16.49	3/4	3/4

## MASTER LINK ASSEMBLIES V



FOR ASSEMBLING 3- AND 4-LEG CHAINS WITH CONNEX LINKS, AND FOR ROPE SLINGS. PROOF TESTED.

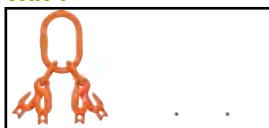
Master Link Assemblies V Specifications						
Code	stock Dia. (in)	e	t	w	weight lb/pc.	Assembly for chain $\theta$ 3-and 4-leg
V 5.50	3/4	7.44	5.31	2.95	2.78	1/2
V 70-80	3/4	9.06	6.30	3.54	5.11	3/4 + 3/4
V 100	1	10.43	7.09	3.94	8.11	3/4
V 130	1 1/4	12.40	7.87	4.33	14.24	1/2
V 160	1 1/2	15.75	10.24	5.51	22.18	3/4
V 200	2	19.69	13.78	7.48	50.42	3/4
V 220	2	20.47	13.78	7.48	54.65	3/4
V 260	2 3/4	22.44	15.75	7.87	83.20	1
V 32	2 3/4	25.98	18.11	9.84	146.83	1 1/4

## VXK 1



For 1-leg chains with shortening hook.

## VXK 4



FOR 3- AND 4-LEG SLINGS WITH SHORTENING HOOKS.

## VXK 2



For 2-leg slings with shortening hooks.

Clevis Master Sets VXK 1 Specifications							
Code	For chain $\theta$	d	t	w	e	weight lb/pc.	
VXK 1-70	1/2	.51	4.33	2.36	9.13	2.12	
VXK 1-100	3/8	.71	5.31	2.95	11.57	4.65	
VXK 1-130	1/2	.91	6.30	3.54	14.29	9.48	
VXK 1-160	3/8	1.06	7.09	3.94	16.26	16.01	
VXK 2-70	1/2	.63	4.33	2.36	9.13	3.90	
VXK 2-100	3/8	.91	6.30	3.54	12.56	9.04	
VXK 2-130	1/2	1.06	7.09	3.94	15.08	17.33	
VXK 2-160	3/8	1.30	7.87	4.33	17.05	30.29	
VXK 4-70	1/2	.91	6.30	3.54	13.86	10.67	
VXK 4-100	3/8	1.06	7.09	3.94	16.69	19.44	
VXK 4-130	1/2	1.30	7.87	4.33	20.39	38.05	
VXK 4-160	3/8	1.42	10.24	5.51	24.92	64.51	



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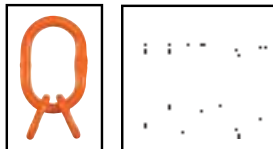


# Chain Sling Hardware

Grade 100 Alloy Components



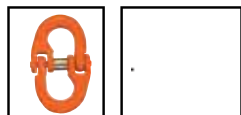
## Enlarged Master Link Assemblies VM



For 3- and 4-leg chain slings. Large inner width. Proof tested.

Enlarged Master Link Assemblies VM Specifications						
Code	stock Dia. (in)	e	t	w	weight lb/pc.	Assembly for chain Ø 3- and 4-leg
VM5.50	3/4	8.43	6.30	3.74	3.15	7/32
VM70-80	7/8	9.06	6.30	4.33	5.31	9/32 + 5/16
VM100	1	10.83	7.48	4.33	8.84	3/8
VM130	1 1/4	13.58	9.06	5.12	15.21	1/2
VM160	1 1/2	16.34	10.83	5.91	24.52	5/8
VM200	2"	19.69	13.78	7.48	50.42	3/4

## Connex Connecting Link C



General connecting link for connection of: Master links to chain, Chain to chain, Hooks to chain.

Connex Connecting Link C Specifications									
Code	WLL lbs 4:1	for chain (in)	e	c	s	d	b	g	weight lb/pc.
C5.50	2,700	3/32	1.75	.31	.43	.30	1.54	.56	.13
C70	4,300	1/16	2.01	.39	.51	.35	1.83	.64	.26
C80	5,700	3/16	2.42	.45	.59	.39	2.09	.72	.40
C100	8,800	1/8	2.83	.50	.70	.50	2.48	.91	.73
C130	15,000	1/4	3.46	.75	.87	.66	3.11	1.09	1.54
C160	22,600	3/8	4.06	.83	1.14	.83	4.17	1.30	2.51
C200	35,300	1/2	4.53	1.16	1.37	.96	4.65	1.64	4.72
C220	42,700	3/4	5.31	1.14	1.50	1.06	5.77	1.89	7.08
C260	59,700	1	7.48	1.57	1.81	1.18	6.88	2.36	15.77

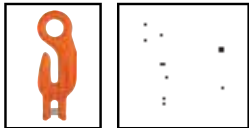
## Connex Connecting Link CL



Non-removable.

Connex Connecting Link CL Specifications									
Code	WLL lbs 4:1	for chain (in)	e	c	s	d	b	g	weight lb/pc.
CL 70	4,300	1/16	2.01	.39	.51	.35	1.83	.64	.26
CL 100	8,800	3/16	2.83	.50	.70	.50	2.48	.91	.73
CL 130	15,000	1/4	3.46	.75	.87	.66	3.11	1.09	1.54
CL 160	22,600	3/8	4.06	.83	1.14	.83	4.17	1.30	2.51

## Clevis Shortening Hook XK



In line shortening hook not for basket configurations.

Clevis Shortening Hook XK Specifications									
Code	WLL lbs 4:1	for chain (in)	e	b	a	d1	d2	g	weight lb/pc.
XK 5.50	2,700	3/32	3.31	1.44	1.12	.71	.35	.28	.66
XK 70	4,300	1/16	4.80	2.09	1.54	.94	.47	.35	1.37
XK 80	5,700	3/16	4.80	2.09	1.54	.94	.47	.35	1.39
XK 100	8,800	1/8	6.26	2.74	1.97	1.22	.55	.51	2.76
XK 130	15,000	1/4	7.99	3.62	2.52	1.46	.71	.59	5.95
XK 160	22,600	3/8	9.17	4.02	3.15	1.89	.94	.71	10.58

## Clevis Sling Hook KHS



General purpose hook with forged safety catch.

Clevis Sling Hook KHS Specifications									
Code	WLL lbs 4:1	for chain (in)	e	h	a	d	g1	b	weight lb/pc.
KHS 5.50	2,700	3/32	2.72	.79	.59	.29	.75	2.60	.44
KHS 70	4,300	1/16	3.74	1.10	.75	.35	1.06	3.54	1.16
KHS 80	5,700	3/16	3.72	1.10	.75	.39	1.06	3.54	1.16
KHS 100	8,800	1/8	4.29	1.30	.98	.49	1.18	4.25	2.43
KHS 130	15,000	1/4	5.35	1.57	1.34	.63	1.50	5.16	4.41
KHS 160	22,600	3/8	6.10	1.93	1.46	.79	1.81	6.02	7.67
KHS 200	35,300	1/2	7.22	2.09	1.81	.94	2.09	6.97	11.02
KHS 220	42,700	3/4	8.41	2.44	1.97	1.06	2.68	7.72	26.68

## Clevis Grab Hook KP



First G100 grab hook that does not require WLL reduction when used for shortening

Clevis Grab Hook KP Specifications							
Code	WLL lbs 4:1	for chain (in)	e	b	d	g	weight lb/pc.
KP 5.50	2,700	3/32	1.77	1.87	.29	.31	.33
KP 70	4,300	1/16	2.40	2.28	.35	.41	.84
KP 80	5,700	3/16	2.38	2.28	.39	.41	.84
KP 100	8,800	1/8	2.99	2.99	.49	.51	1.87
KP 130	15,000	1/4	4.09	3.98	.63	.67	4.19
KP 160	22,600	3/8	4.29	4.65	.79	.75	6.17
KP 200	35,300	1/2	5.51	5.80	.94	.91	7.72
KP 220	42,700	3/4	6.59	6.54	1.06	1.02	12.13



# Chain Sling Hardware

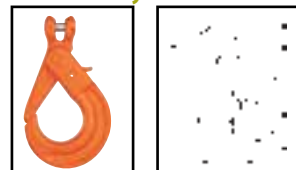
Grade 100 Alloy Components



## Clevis Safety Hook KLH Specifications

Code	WLL lbs 4:1	for chain (in)	e	h	a	b	d	g	weight lb/pc.
KLH 70	4,300	9/32	4.84	1.02	.79	3.46	.35	1.34	1.98
KLH 80	5,700	5/16	4.84	1.02	.79	3.46	.39	1.34	1.98
KLH 100	8,800	3/8	5.67	1.18	.98	4.21	.51	1.77	3.53
KLH 130	15,000	1/2	7.09	1.57	1.34	5.43	.63	2.05	6.39
KLH 160	22,600	5/8	8.54	1.97	1.38	6.61	.83	2.36	12.79

### Clevis Safety Hook KLH

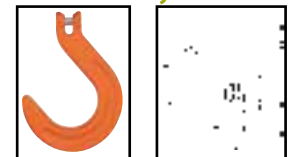


Automatically closes and locks under load.

## Clevis Foundry Hook KF Specifications

Code	WLL lbs 4:1	for chain (in)	e	h	a	g	d	b	weight lb/pc.
KF 70	4,300	9/32	4.74	1.14	.98	2.52	.35	4.65	2.20
KF 80	5,700	5/16	4.72	1.14	.98	2.52	.39	4.65	2.20
KF 100	8,800	3/8	5.51	1.38	1.26	2.99	.49	5.63	3.92
KF 130	15,000	1/2	6.67	1.65	1.57	3.50	.63	6.69	6.53

### Clevis Foundry Hook KF

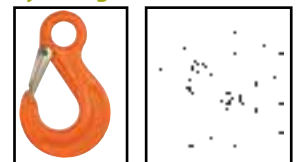


Used when throat opening of sling hook is to small.

## Eye Sling Hook HS Specifications

Code	WLL lbs 4:1	for chain (in)	e	h	a	d1	d2	g1	b	weight lb/pc.
HS 5.50	2,700	7/32	3.33	.83	.65	.79	.39	.75	2.68	.44
HS 70-80	5,700	9/32 + 5/16	4.17	1.06	.75	.98	.43	1.02	3.46	1.10
HS 100	8,800	3/8	5.16	1.30	1.02	1.34	.63	1.22	4.27	2.43
HS 130	15,000	1/2	6.46	1.71	1.30	1.69	.75	1.54	5.26	4.41
HS 160	22,600	5/8	7.19	1.97	1.57	1.97	.96	.77	6.09	7.72
HS 200	35,300	3/4	8.07	2.17	1.89	2.17	1.06	2.09	6.99	10.36
HS 220	42,700	7/8	8.86	2.44	1.97	2.36	1.14	2.44	7.72	16.09
HS 260	59,700	1	10.19	2.95	2.36	2.75	1.46	2.87	9.25	26.44
HS 32	72,300	1 1/4	11.77	3.5	3.07	2.6	1.53	2.87	10.50	49.39

### Eye Sling Hook HS

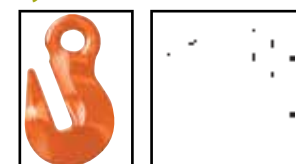


For general lifting applications. All hooks with forged safety catch.

## Eye Grab Hook P Specifications

Code	WLL lbs 4:1	for chain (in)	e	b	d1	d2	g	weight lb/pc.
P 5.50	2,700	7/32	2.01	1.87	.47	.33	.31	.33
P 70-80	5,700	9/32 + 5/16	2.78	2.28	.79	.45	.41	.66
P 100	8,800	3/8	3.46	2.98	.87	.59	.51	1.43
P 130	15,000	1/2	4.45	3.98	1.02	.71	.67	3.00
P 160	22,600	5/8	4.76	4.65	1.26	.83	.75	4.41
P 200	35,300	3/4	5.54	5.51	1.42	1.02	.91	6.61
P 220	42,700	7/8	6.81	6.54	1.65	1.14	1.02	11.02
P 260	59,700	1	7.91	7.67	1.96	1.44	1.25	30.40
P 32	72,300	1 1/4	9.44	8.12	2.36	1.57	1.53	41

### Eye Grab Hook P

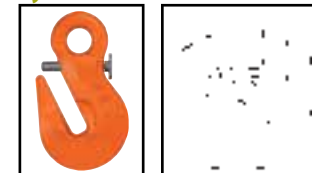


First G100 grab hook that does not require WLL reduction when used for shortening.

## Eye Grab Hook with Safety Catch PS Specifications

Code	WLL lbs 4:1	for chain (in)	e	b	d1	d2	g	weight lb/pc.
PS 70-80	5,700	9/32 + 5/16	2.78	2.28	.79	.45	.41	.88
PS 100	8,800	3/8	3.46	2.99	.87	.59	.51	1.98
PS 130	15,000	1/2	4.45	3.98	1.02	.71	.67	3.97
PS 160	22,600	5/8	5.08	4.65	1.26	.91	.75	7.94

### Eye Grab Hook P



Same as above hook with added "safety catch" feature.



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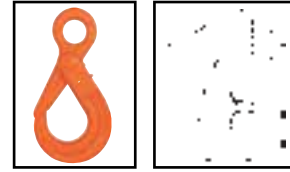
# Chain Sling Hardware

Grade 100 Alloy Components

## Safety Hook LH Specifications

Code	WLL lbs 4:1	for chain (in)	e	h	a	b	d1	d2	g	weight lb/pc.
LH 70-80	5,700	9/32 + 5/16	5.35	1.02	.79	3.46	1.06	.47	1.34	1.98
LH 100	8,800	3/8	6.65	1.18	.98	4.21	1.36	.59	1.77	3.31
LH 130	15,000	1/2	8.07	1.57	1.34	5.43	1.57	.79	2.05	5.95
LH 160	22,600	5/8	9.88	1.97	1.38	6.61	1.97	1.06	2.36	12.57
LH 200	35,300	3/4	11.42	2.44	1.97	7.64	2.36	1.18	2.76	17.42
LH 220	42,700	7/8	12.68	2.56	2.05	8.31	2.76	1.26	3.19	24.69

## Safety Hook LH

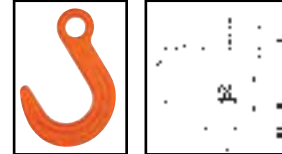


Automatically closes and locks under load.

## Foundry Hook F Specifications

Code	WLL lbs 4:1	for chain (in)	e	h	a	d1	d2	b	g	weight lb/pc.
F 70-80	5,700	9/32 + 5/16	5.16	1.14	.98	.94	.43	2.52	4.65	2.03
F 100	8,800	3/8	6.22	1.38	1.26	1.22	.55	2.99	5.63	3.90
F 130	15,000	1/2	7.48	1.65	1.57	1.54	.67	3.50	6.69	6.22
F 160	22,600	5/8	8.82	1.97	1.81	1.85	.87	4.02	7.87	11.09
F 200	35,300	3/4	10.23	2.40	2.12	2.20	1.10	4.48	9.09	16.75

## Foundry Hook F

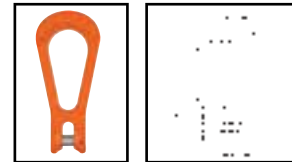


Used when throat opening of sling hook is to small.

## Clevis Reeveable Master Link KO Specifications

Code	WLL lbs 4:1	for chain (in)	e	t	w	d	s	weight lb/pc.
KO 70	4,300	9/32	3.60	2.76	1.34	.35	.35	.62
KO 80	5,700	5/16	3.58	2.76	1.34	.39	.35	.66
KO 100	8,800	3/8	5.04	4.02	1.97	.49	.47	1.54
KO 130	15,000	1/2	6.65	5.35	2.60	.63	.59	3.09
KO 160	22,600	5/8	8.43	6.77	3.27	.79	.69	6.04

## Clevis Reeveable Master Link KO

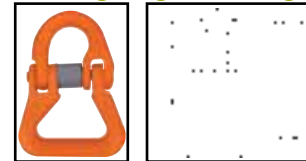


Master link used for choker / reeving slings.

## Webbing Sling Connecting Link CAR Specifications

Code	WLL lbs 4:1	for chain (in)	a	e	c	d	b	g	weight lb/pc.
CAR 80	5,700	5/16	1.14	2.60	.45	.39	2.56	.72	.66
CAR 100	8,800	3/8	1.57	3.19	.50	.50	3.23	.91	1.10
CAR 130	15,000	1/2	1.97	4.09	.75	.66	3.94	1.09	2.43
CAR 160	22,600	5/8	1.83	4.43	.83	.83	4.33	1.30	4.41
CAR 220	42,700	7/8	4.29	6.99	1.14	1.06	8.46	1.89	14.33

## Webbing Sling Connecting Link Car

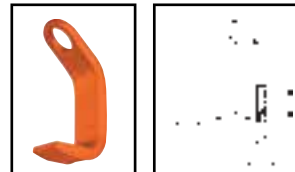


Connecting link for round web slings.

## Plate Hook BW Specifications

Code	WLL lbs 4:1	for chain (in)	e	s	b	h	d1	g	weight lb/pc.
BW 70-80	5,700	9/32 + 5/16	5.16	3.15	1.97	.71	1.10	2.17	2.47
BW 100	8,800	3/8	6.18	3.94	2.56	.79	1.26	2.56	5.73
BW 130	15,000	1/2	8.15	5.12	3.15	1.02	1.57	3.54	13.01
BW 160	22,600	5/8	10.28	6.30	3.94	1.30	1.97	4.33	23.81
BW 200	35,300	3/4	11.89	7.28	4.72	1.57	2.36	5.12	37.92
BW 220	42,700	7/8	14.29	8.66	5.51	1.97	2.95	5.91	69.00

## Plate Hook BW



For lifting sheet metal stacks and boards.



# Slings

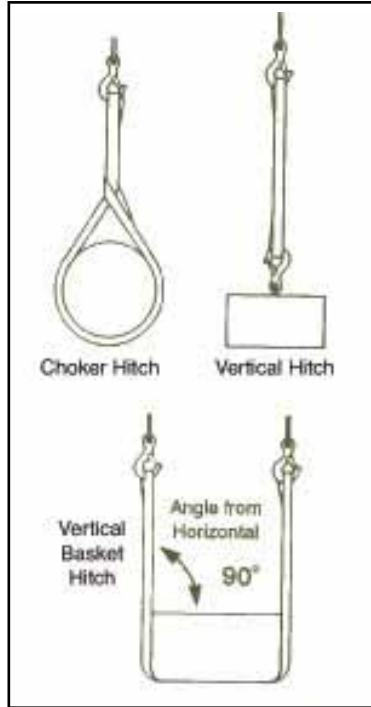
## Effect of Angle of Lift on a Sling Rated Capacity

Using slings at an angle can become deadly if that angle is not taken into consideration when selecting the sling to be used. The tension on each leg of the sling is increased as the angle of lift, from horizontal, decreases. It is most desirable for a sling to have a larger angle of lift, approaching 90°. Lifts with angles of less than 30° from horizontal are not recommended. If you can measure the angle of lift or the length and height of the sling as rigged, you can determine the properly rated sling for your lift.

### What would be the rating of each sling rigged at this angle?

- Calculate the Reduction Factor [RF].
  - using the angle from horizontal, read across the Angle Chart to the corresponding number of the Reduction Factor column.
  - OR –
  - Divide sling height\* [H] by sling length\* [L]
- Reduction Factor [RF] x the sling's rated capacity for the type hitch that will be used = Sling's Reduction Rating.

\*Measured from a common horizontal plane to the hoisting hook

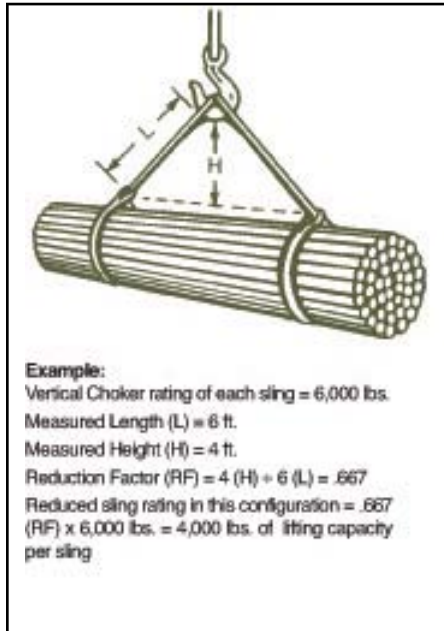


### What capacity sling do I need?

- Determine the weight that the sling will be lifting [LW].
- Calculate the Tension Factor [TF].
  - using the angle from horizontal, read across the Angle Chart to the corresponding number of Tension Factor column.
  - OR –
  - Divide sling length\* [L] by sling height\* [H]
- Lifting Weight [LW] x the Tension Factor [TF] = Minimum Sling Rating for the type of hitch that will be used.

\*Measured from a common horizontal plane to the hoisting hook

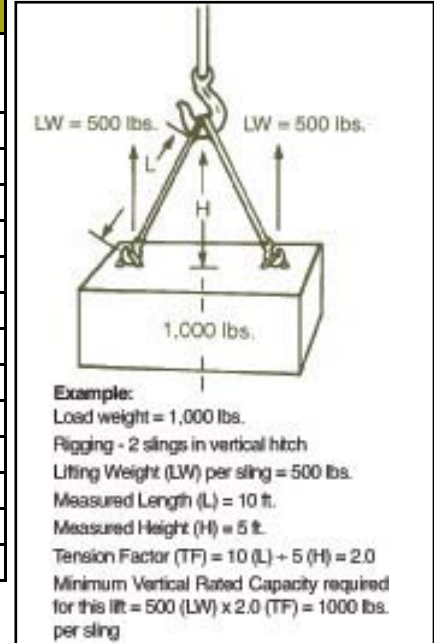
### Reduced Capacity



Effect of Angle Chart		
Reduction Factor (RF)	Angle From Horizontal	Tension Factor (TF)
1.000	90°	1.000
0.996	85°	1.004
0.985	80°	1.015
0.966	75°	1.035
0.940	70°	1.064
0.906	65°	1.104
0.866	60°	1.155
0.819	55°	1.221
0.766	50°	1.305
0.707	45°	1.414
0.643	40°	1.555
0.574	35°	1.742
0.500	30°	2.000

Sling capacity decreases as the angle from horizontal decreases. Sling angles of less than 30° are not recommended.

### Increasing Tension



# Web Slings

## Standard Web Sling Types

### Hardware Slings

**Unilink and Web Trap** - hardware can help to extend sling life by protecting the webbing from abrasion on rough crane hooks. Hardware can often be reused, lowering sling replacement costs.

**Type U (UU)** - Has the preferred and economical Unilink fitting on each end for use in a vertical, choker or basket hitch. Unilinks allow choking from either end to save time and vary wear points.

**Type 1 (TC)** - Has a Web-Trap triangle and choker fitting on either end. Typical use is in a choker hitch. Can also be used in vertical and basket hitches.

**Type 2 (TT)** - Has a Web-Trap triangle on each end. Normally used in a basket hitch, but can also be used in a vertical hitch. They cannot be used as a choker.

### Eye Type

**Type 3 (EE)** - Flat Eye slings are very popular and can be used in all three types of hitches. They are easier to remove from beneath the load than sling types 1,2 and 4. Unless type 4 is requested, type 3 will be supplied as the standard EE sling.

**Type 4 (EE)** - Twisted Eye slings are similar to Type 3 except the eyes are turned 90° to form a better choker hitch. The eyes of a Type 4 nest better on the crane hook.

### Endless Type

**Type 5 (EN)** - Endless slings are versatile and the most economically priced. They can be used in all three types of hitches. The sling can be rotated to minimize wear. The sling legs can be spread for improved load balance.

### Reverse Eye Type

**Type 6 (RE)** - An endless sling with butted edges sewn together to double the sling width. They have reinforced eyes and wear pads on both sides of body and eyes. The result is an extremely strong and durable sling.

Type U



Type 1



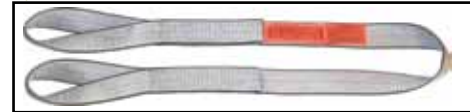
Type 2



Type 3



Type 4



Type 5



Type 6



### Lift-All Web Selector - Quick Comparisons

Type of Webbing	Approximate Thickness (in)	Relative Strength/Width Factor A	Price/Strength Factor B	Advantages
Webmaster 1600	3/16	100%	100%	Webmaster webs are the industry standard.
Webmaster 1200	1/8	75%	105%	Wider bearing surface per capacity.
Tuff-Edge	3/16	100%	105%	Tuff-Edge fights edge abrasion and cutting - the #1 cause of web sling damage. Up to 30% better against cuts.
Dura-Web 2000	5/16	125%	114%	Dura-Web lasts 25% longer against surface abrasion
Dura-Web 1000	3/16	62.5%	137%	Wider bearing surface per capacity.

Factor A - Relative strength factor. This column compares the strength of the various webs to Webmaster 1600 in the same widths.

Factor B - Price to strength comparison. This column compares the relative cost per capacity of the various webs to Webmaster 1600 using a 2" x 10' Type 3 sling.



# Web Slings - Eye-to-Eye

## Tuff-Edge & Webmaster 1600 Slings Specifications

Type 3 (Flat Eye)



Type 3 (Flat Eye)



Type 4 (Twisted Eye)



Type 4 (Twisted Eye)



Specifications						
Tuff-Edge Part No.	Ply Qty.	Web Width (in.)	Rated Capacity* (lbs)			Webmaster Part No. ***
			Vertical	Choker	V. Basket	
EE1-801T	One Ply	1	1,600	1,280	3,200	EE1-801
EE1-802T		2	3,200	2,500	6,400	EE1-802
EE1-803T		3	4,800	3,800	9,600	EE1-803
EE1-804T		4	6,400	5,000	12,800	EE1-804
EE1-806T		6	9,600	7,700	19,200	EE1-806
EE1-808T		8	12,800	10,200	25,600	EE1-808
EE1-810T		10	16,000	12,800	32,000	EE1-810
EE1-812T		12	19,200	15,400	38,400	EE1-812
EE2-801T	Two Ply	1	3,200	2,500	6,400	EE2-801
EE2-802T		2	6,400	5,000	12,800	EE2-802
EE2-803T		3	8,800	7,040	17,600	EE2-803
EE2-804T		4	11,500	9,200	23,000	EE2-804
EE2-806T		6	16,500	13,200	33,000	EE2-806
EE2-808T		8	19,200	15,400	38,400	EE2-808
EE2-810T		10	22,400	17,900	44,800	EE2-810
EE2-812T		12	26,900	21,500	53,800	EE2-812
EE3-801T	Three Ply	1	4,100	3,300	8,200	EE3-801
EE3-802T		2	8,300	6,600	16,600	EE3-802
EE3-803T		3	12,500	10,000	25,000	EE3-803
EE3-804T		4	16,000	12,800	32,000	EE3-804
EE3-806T		6	23,000	18,400	46,000	EE3-806
EE3-808T		8	30,700	24,500	61,400	EE3-808
EE3-810T		10	36,800	29,400	73,600	EE3-810
EE3-812T		12	44,000	35,200	88,000	EE3-812
EE4-801T	Four Ply	1	5,000	4,000	10,000	EE4-801
EE4-802T		2	10,000	8,000	20,000	EE4-802
EE4-803T		3	14,900	11,900	29,800	EE4-803
EE4-804T		4	19,800	15,800	39,600	EE4-804
EE4-806T		6	29,800	23,800	59,600	EE4-806
EE4-808T		8	39,700	31,700	79,400	EE4-808
EE4-810T		10	49,600	39,600	99,200	EE4-810
EE4-812T		12	59,500	47,600	119,000	EE4-812

Note: Tapering-Types 3 and 4 slings are tapered at 3" and wider unless otherwise specified.

\*\*\* Add a "D" to sling code for polyester.



Always use Wear Pads to protect synthetic slings from being cut by load edges.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

Eye Length (Applies to all Web Slings)								
Ply Qty.	Sling Width (in)							
	1	2	3	4	6	8	10	12
1	8 1/2	10	11	12	16	20	24	24
2	8 1/2	10	11	12	16	20	24	24
3	10	12	14	16	18	24	24	24
4	10	12	14	16	18	24	24	24



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# Web Slings - Endless

## Tuff-Edge & Webmaster 1600 Slings Specifications



Type 5



Type 5



Specifications						
Tuff-Edge Part No.	Ply Qty.	Web Width (in.)	Rated Capacity* (lbs)			Webmaster Part No. ***
			Vertical	Choker	V. Basket	
EN1-801T	One Ply	1	3,200	2,500	6,400	EN1-801
EN1-802T		2	6,400	5,000	12,800	EN1-802
EN1-803T		3	8,600	6,900	17,200	EN1-803
EN1-804T		4	11,500	9,200	23,000	EN1-804
EN1-806T		6	16,300	13,000	32,600	EN1-806
EN1-808T		8	19,200	15,400	38,400	EN1-808
EN1-810T		10	22,400	17,900	44,800	EN1-810
EN1-812T		12	26,900	21,500	53,800	EN1-812
EN2-801T	Two Ply	1	6,200	4,900	12,400	EN2-801
EN2-802T		2	12,400	9,900	24,800	EN2-802
EN2-803T		3	16,300	13,000	32,600	EN2-803
EN2-804T		4	20,700	16,500	41,400	EN2-804
EN2-806T		6	28,600	23,000	57,200	EN2-806
EN2-808T		8	30,700	24,500	61,400	EN2-808
EN2-810T		10	33,600	26,800	67,200	EN2-810
EN2-812T		12	37,600	30,000	75,200	EN2-812
EN3-801T	Three Ply	1	8,000	6,400	16,000	EN3-801
EN3-802T		2	16,000	12,800	32,000	EN3-802
EN3-803T		3	21,500	17,200	43,000	EN3-803
EN3-804T		4	28,700	23,000	57,400	EN3-804
EN3-806T		6	40,700	32,500	81,400	EN3-806
EN3-808T		8	46,000	36,800	92,000	EN3-808
EN3-810T		10	51,500	41,200	103,000	EN3-810
EN3-812T		12	59,200	47,300	118,400	EN3-812
EN4-801T	Four Ply	1	10,000	8,000	20,000	EN4-801
EN4-802T		2	19,800	15,800	39,600	EN4-802
EN4-803T		3	26,700	21,300	53,400	EN4-803
EN4-804T		4	35,600	28,400	71,200	EN4-804
EN4-806T		6	50,500	40,400	101,000	EN4-806
EN4-808T		8	57,600	46,000	115,200	EN4-808
EN4-810T		10	67,200	53,700	134,400	EN4-810
EN4-812T		12	80,700	64,500	161,400	EN4-812

Note: Type 5 (Endless) slings are Not tapered unless specified.

\*\*\* Add a "D" to sling code for polyester.



Always use Wear Pads to protect synthetic slings from being cut by load edges.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



# Nylon Web Slings

Type 3 Flat Eye

Type 4 Twisted Eye



Heavy Duty (900 Webbing) 1"-5"								
Width	Model	Ply Qty.	Rated Capacity In Pounds			Inside Eye Size Laying Flat	Weight In LBS	
			Vertical	Choker	Basket		5' Base	add/ft
1"	91EE1	1	1,600	1200	3,200	9"	.42	.056
1"	91EE2	2	3,200	2,600	6,400	9"	.68	.112
1"	91EE3	3	4,100	3,300	8,200	9"	1.00	.160
1"	91EE4	4	5,500	4,400	11,000	9"	1.30	.224
2"	92EE1	1	3,200	2,500	6,400	9"	.84	.110
2"	92EE2	2	6,400	5,100	12,800	9"	1.30	.220
2"	92EE3	3	8,200	6,600	16,400	12"	1.90	.330
2"	92EE4	4	11,000	8,800	22,000	12"	2.50	.440
3"	93EE1	1	4,800	3,800	9,600	12"	1.40	.180
3"	93EE2	2	8,900	7,200	17,800	12"	2.16	.350
3"	93EE3	3	12,300	9,900	24,600	15"	3.13	.520
3"	93EE4	4	17,800	14,400	35,600	15"	4.10	.700
4"	94EE1	1	6,400	5,100	12,800	12"	1.75	.222
4"	94EE2	2	11,500	9,200	23,000	12"	2.45	.444
4"	94EE3	3	15,300	12,200	30,600	15"	3.85	.666
4"	94EE4	4	23,000	18,000	46,000	15"	5.20	.888
5"	95EE1	1	8,000	6,400	16,000	12"	2.46	.274
5"	95EE2	2	13,600	10,900	27,200	15"	3.28	.548
5"	95EE3	3	19,000	15,000	38,000	18"	4.80	.822
5"	95EE4	4	27,200	20,400	54,400	18"	6.35	1.090

Heavy Duty (900 Webbing) 6"-12"								
Width	Model	Ply Qty.	Rated Capacity In Pounds			Inside Eye Size Laying Flat	Weight In LBS	
			Vertical	Choker	Basket		5' Base	add/ft
6"	96EE1	1	9,600	7,700	19,200	12"	2.78	.330
6"	96EE2	2	16,300	13,000	32,600	15"	3.78	.662
6"	96EE3	3	23,000	18,400	46,000	18"	5.71	.993
6"	96EE4	4	32,600	24,500	65,200	18"	7.65	1.320
8"	98EE1	1	12,800	10,200	25,600	18"	4.06	.470
8"	98EE2	2	22,000	17,600	44,000	18"	5.45	.960
8"	98EE3	3	33,000	24,750	66,000	24"	8.18	1.410
8"	98EE4	4	44,000	33,000	88,000	24"	10.90	1.880
10"	910EE1	1	16,000	12,800	32,000	18"	5.23	.596
10"	910EE2	2	24,000	19,200	48,000	18"	7.05	1.190
10"	910EE3	3	36,000	28,800	72,000	24"	10.65	1.780
10"	910EE4	4	48,000	38,400	96,000	24"	14.25	2.380
12"	912EE1	1	19,200	15,360	38,400	24"	6.45	.734
12"	912EE2	2	26,900	21,500	53,800	24"	8.67	1.470
12"	912EE3	3	40,320	32,250	90,640	30"	13.33	2.200
12"	912EE4	4	53,700	43,000	107,400	30"	18.00	2.930

NOTE: Standard eye construction is Type 3 flat eyes When requiring twisted eyes, must specify Type 4  
 Tapered eyes on all sling widths 3" and larger  
 NOTE: Angles of less than 30° will not be used.  
 REFER TO ANGLE EFFICIENCY CHART



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# Wire Rope Slings

## General Information

### How to order wire rope slings

#### Specify:

1. Rope Diameter - inches
2. Sling Length - Feet (Bearing point to bearing point)
3. Description of rope construction class - 6 x 19 etc.
4. Attachments - Master link, Hook, etc.

#### Tolerances and Minimum Lengths

Refer to tables for tolerances and minimum lengths.

#### Wire Rope Class

Standard rope classes are shown for each type and size of sling in the charts. Specific rope constructions are available upon request.



Acknowledgement Lift-All wire rope slings and rated capacities comply with all OSHA, ASME B30.9, and Wire Rope Technical Board publications. Portions of this section of the catalog were taken from the Wire Rope Sling User's Manual with the permission of the Wire Rope Technical Board and the American Iron and Steel Institute.  
Note: Proof testing with certification available for all slings at an additional charge.



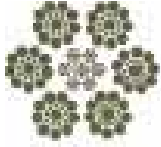
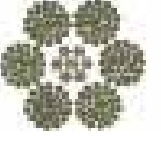
# Wire Rope

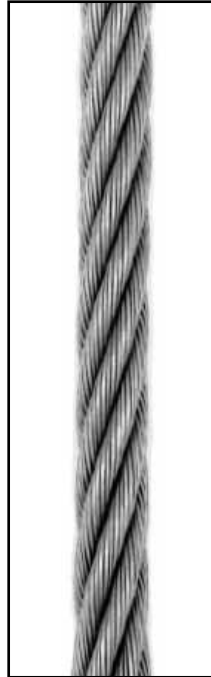
## Wire Rope & Cable Specifications

### Wire Rope

These high quality wire ropes are available in cut lengths or by the reel.

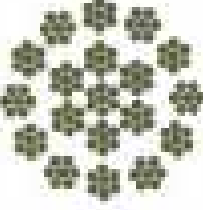
### 6 x 19 and 6 x 37 Class Wire Rope

 <p><b>6 x 19</b></p>	<b>Wire Core</b>	<b>6 x 19 Class</b>
	Extra Improved Plow Steel (EIP) Higher Capacities	Six Strand Ropes Having 9 to 26 Wires Per Strand Better Abrasion Resistance
 <p><b>6 x 36</b></p>	<b>Wire Core</b>	<b>6 x 37 Class</b>
	Extra Improved Plow Steel (EIP) Higher Capacities	Six Strand Ropes Having 27 to 49 Wires Per Strand More Flexible



Specifications		
Rope Diameter (in)	Approx. Weight per Foot (lbs)	Nominal Breaking Strength (tons)
1/4	.12	3.40
5/16	.18	5.27
3/8	.26	7.55
7/16	.35	10.2
1/2	.46	13.3
9/16	.59	16.8
5/8	.72	20.6
3/4	1.04	29.4
7/8	1.42	39.8
1	1.85	51.7
1 1/8	2.34	65.0
1 1/4	2.89	79.9
1 3/8	3.50	96.0
1 1/2	4.16	114
1 5/8	4.88	132
1 3/4	5.67	153
1 7/8	6.50	174
2	7.39	198

Note: Specialty ropes are available upon request.

Rotation Resistant Wire Rope			
 <p><b>19 x 7</b></p>	Rope Dia. (in)	Approx. Weight per Foot (lbs)	Nominal Breaking Strength (tons)
	3/8	.25	5.59
7/16	.35	7.58	
1/2	.45	9.85	
9/16	.58	12.4	
5/8	.71	15.3	
3/4	1.02	21.8	
7/8	1.39	29.5	
1	1.82	38.3	
1 1/8	2.3	48.2	

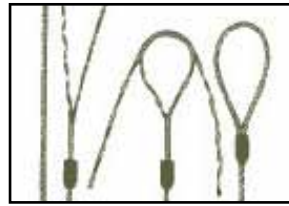


# Wire Rope Slings



Mechanical Splice IWRC (6x19 and 6x36)

EIPS - Extra Improved Plow Steel

With Single Part Body Permaloc



Mechanically swaged, flemish eye splice wire rope slings.

Specification											
Wire Rope Class	Rope Dia. (in)	EIP, IWRC			**Min. Sling Length	Standard Eye Size (in) W x L	Thimble Eye Size (in) W x L	Eye Hook Cap. (tons)	Crescent Thimble Eye Size (in) W x L	Slip Thru Thimble Eye Size (in) W x L	Sliding Choker Hook (in)
		*Rated Capacity (tons)									
		Vertical	Choker	Vertical Basket							
 6 x 19 EIP, IWRC	1/4	.65	.48	1.3	1'6"	2 x 4	7/8 x 1 5/8	1	2 x 4	2 1/8 x 4 1/8	3/8
	5/16	1.0	.74	2.0	1'9"	2 1/2 x 5	1 1/16 x 1 7/8	1	2 x 4	2 1/8 x 4 1/8	3/8
	3/8	1.4	1.1	2.9	2'	3 x 6	1 1/8 x 2 1/8	1 1/2	2 x 4	2 1/8 x 4 1/8	3/8
	7/16	1.9	1.4	3.9	2'3"	3 1/2 x 7	1 1/4 x 2 1/4	2	2 x 5	2 3/8 x 4 3/8	1/2
	1/2	2.5	1.9	5.1	2'6"	4 x 8	1 1/2 x 2 3/4	3	2 1/4 x 6	2 3/8 x 4 3/8	1/2
	9/16	3.2	2.4	6.4	2'9"	4 1/2 x 9	1 1/2 x 2 3/4	4 1/2	2 1/4 x 7	2 3/8 x 4 3/8	5/8
	5/8	3.9	2.9	7.8	3'	5 x 10	1 3/4 x 3 1/4	4 1/2	2 3/4 x 7	3 3/8 x 6 5/8	5/8
	3/4	5.6	4.1	11	3'6"	6 x 12	2 x 3 3/4	7	3 1/4 x 8 1/2	3 3/8 x 6 5/8	3/4
	7/8	7.6	5.6	15	4'	7 x 14	2 1/4 x 4 1/4	11	4 1/2 x 10	3 3/4 x 7 1/8	7/8
	1	9.8	7.2	20	4'6"	8 x 16	2 1/2 x 4 1/2	11	4 1/2 x 11 1/2	3 3/4 x 7 1/8	1
1 1/8	12	9.1	24	5'	9 x 18	2 7/8 x 5 1/8	15	4 7/8 x 13	4 3/8 x 8 3/8	1 1/8	
 6 x 37 EIP, IWRC	1 1/4	15	11	30	5'6"	10 x 20	3 1/2 x 6 1/2	15	5 1/2 x 14 1/2	4 3/8 x 8 3/8	1 1/4
	1 3/8	18	13	36	6'	11 x 22	3 1/2 x 6 1/4	22	6 x 16	5 x 9 1/2	1 3/8
	1 1/2	21	16	42	7'	12 x 24	3 1/2 x 6 1/4	22	6 x 17 1/2	5 x 9 1/2	1 1/2
	1 3/4	28	21	57	8'	14 x 28	4 1/2 x 9	30	7 x 20	6 3/4 x 11 3/4	—
	2	37	28	73	9'	16 x 32	6 x 12	37	7 x 23 1/2	8 x 14 1/2	—
	2 1/4	44	35	89	10'	18 x 36	7 x 14	45	8 1/2 x 26	8 x 15 1/2	—
	2 1/2	54	42	109	11'	20 x 40	—	—	8 1/2 x 29 1/2	—	—

Note: Larger diameter slings available. Basket ratings are based on a minimum D/d of 25.

\* 1 Ton = 2,000 lbs.

\*\* Minimum sling length when using standard eyes.

Green shading reflects rental inventory.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

# Wire Rope Slings

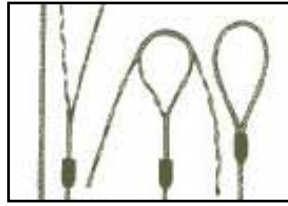
Mechanical Splice IWRC (6x19 and 6x36)

IPS - Improved Plow Steel

With Single Part Body Permaloc



Mechanically swaged, flemish eye splice wire rope slings.



Specifications									
Rope Size (in.)	Eye Size (in.)		Recommended Minimum Length			Basket Hitch			
	W	L		Straight Pull	Choker Hitch**	Vertical	60°	45°	30°
1/4	3	6	1'6"	.56	.42	1.1	.97	.79	.56
5/16	3	6	1'10"	.87	.65	1.7	1.5	1.2	.87
3/8	3	6	1'10"	1.2	.93	2.5	2.2	1.8	1.2
7/16	4	8	2'4"	1.7	1.3	3.4	2.9	2.4	1.7
1/2	4	8	2'6"	2.2	1.6	4.4	3.8	3.1	2.2
9/16	4	8	2'8"	2.8	2.1	5.5	4.8	3.9	2.8
5/8	5	10	3'2"	3.4	2.6	6.8	5.9	4.8	3.4
3/4	6	12	3'8"	4.9	3.6	9.7	8.4	6.9	4.9
7/8	7	14	4'4"	6.6	4.9	13.0	11.0	9.3	6.6
1	8	16	4'10"	8.5	6.4	17.0	15.0	12.0	8.5
1 1/8	9	18	5'6"	10.0	7.8	21.0	18.0	15.0	10.0
1 1/4	10	20	6'2"	13.0	9.6	26.0	22.0	18.0	13.0
1 3/8	11	22	6'10"	15.0	12.0	31.0	27.0	22.0	15.0
1 1/2	12	24	7'4"	18.0	14.0	37.0	32.0	26.0	18.0
1 3/4	14	28	8'6"	25.0	18.0	49.0	43.0	35.0	25.0
2	16	32	9'10"	32.0	24.0	64.0	55.0	45.0	32.0

\*Rated capacities basket hitch based on D/d ratio of 25.

\*Rated capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter

\*Rated capacities based on design factor of 5

\*Horizontal sling angles less than 30 degrees shall not be used

Green shading reflects rental inventory.



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# Wire Rope Slings

## Bridle Sling Specifications

Specifications															
Permaloc Bridle Slings (With Single Part Body)															
Rope Dia. (in)	**Min. Sling Length	Eye Hook Cap. (tons)	*Rated Capacity (tons)			Oblong Link Stock Dia.	*Rated Capacity (tons)			Oblong Link Stock Dia.	*Rated Capacity (tons)			Oblong Link Stock Dia.	
			60°	45°	30°		60°	45°	30°		60°	45°	30°		
6 x 19 EIP, IWRC	1/4	1'3"	1	1.1	.91	.65	1/2	1.7	1.4	.97	1/2	2.2	1.8	1.3	1/2
	5/16	1'6"	1	1.7	1.4	1.0	1/2	2.6	2.1	1.5	1/2	3.5	2.8	2.0	3/4
	3/8	1'8"	1 1/2	2.5	2.0	1.4	1/2	3.7	3.0	2.2	3/4	5.0	4.1	2.9	3/4
	7/16	1'10"	2	3.4	2.7	1.9	3/4	5.0	4.1	2.9	3/4	6.7	5.5	3.9	1
	1/2	2'	3	4.4	3.6	2.5	3/4	6.6	5.4	3.8	1	8.8	7.1	5.1	1
	9/16	2'2"	4 1/2	5.5	4.5	3.2	3/4	8.3	6.8	4.8	1	11	9.0	6.4	1 1/4
	5/8	2'4"	4 1/2	6.8	5.5	3.9	1	10	8.3	5.9	1 1/4	14	11	7.8	1 1/4
	3/4	2'9"	7	9.7	7.9	5.6	1 1/4	15	12	8.4	1 1/2	19	16	11	1 3/4
	7/8	3'3"	11	13	11	7.6	1 1/4	20	16	11	1 1/2	26	21	15	1 3/4
	1	3'6"	11	17	14	9.8	1 1/2	26	21	15	1 3/4	34	28	20	2 1/4
1 1/8	4'	15	21	17	12	1 1/2	31	26	18	1 3/4	42	34	24	2 3/4	
6 x 37 EIP, IWRC	1 1/4	4'6"	15	26	21	15	1 3/4	38	31	22	2	51	42	30	2 3/4
	1 3/8	5'	22	31	25	18	1 3/4	46	38	27	2 1/4	—	—	—	—
	1 1/2	5'6"	22	37	30	21	2	55	45	32	2 1/4	—	—	—	—
	1 3/4	6'6"	30	49	40	28	2 1/4	—	—	—	—	—	—	—	—
	2	8'	37	63	52	37	2 3/4	—	—	—	—	—	—	—	—

Note: Length Tolerances - Single Part Wire Rope Slings - Standard length tolerance is plus or minus two rope diameters, or plus or minus 0.5% of the sling length, whichever is greater. The legs of bridle slings, or matched slings are normally held to within one rope diameter.

\* 1 Ton = 2,000 lbs.

\*\* Minimum length based on thimble eye and eye hook.

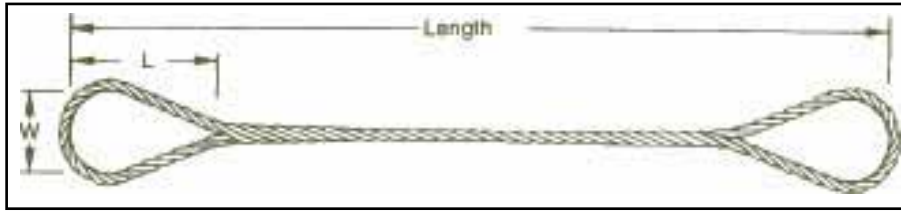



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



# Wire Rope Slings

## Hidden Tuck Hand Spliced Sling Specifications



Specifications						
Wire Rope Class	Rope Dia. (in)	EIP, FC			Min. Sling Length	Standard Eye Size (in) W x L
		Rated Capacity (tons)				
		Vertical	Choker	Vertical Basket		
 <b>6 x 19 EIP, FC</b>	1/4	.54	.42	1.1	2'	3 x 6
	5/16	.83	.66	1.7	2'3"	3 x 6
	3/8	1.2	.94	2.4	2'6"	3 x 6
	7/16	1.6	1.3	3.2	2'9"	3 1/2 x 7
	1/2	2.0	1.6	4.0	3'	4 x 8
	9/16	2.5	2.1	5.0	3'6"	4 1/2 x 9
	5/8	3.1	2.6	6.2	4'	5 x 10
	3/4	4.3	3.7	8.6	4'6"	6 x 12
	7/8	5.7	5.0	11	5'6"	7 x 14
	1	7.4	6.4	15	6'	8 x 16

Basket ratings are based on a minimum D/d of 15.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

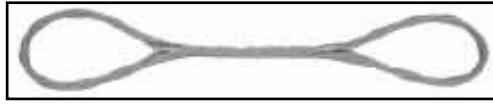


# Wire Rope Slings

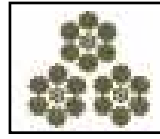
## Multi - Part Cabled Sling Specifications



3 x 7 x 19



3 x 6 x 19



### 3 Part Cable Specifications

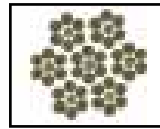
Component Rope Dia. (in)	Sling Body Dia. (in)	Rated Capacity (tons)			Min. Sling Length	Standard Eye (in) W x L	Crescent Thimble Eye Size (in) W x L	Slip Thru Thimble Eye Size (in) W x L	
		Vertical	Choker	Vertical Basket					
7 x 19 GAC	3/16	3/8	1.2	.82	2.4	2'	3 x 6	2 x 4	2 1/8 x 4 1/8
	1/4	1/2	1.9	1.3	3.9	2'6"	4 x 8	2 1/4 x 4	2 3/8 x 4 3/8
	5/16	5/8	3.0	2.1	6.0	3'	5 x 10	2 3/4 x 5	3 3/8 x 6 5/8
	3/8	3/4	4.3	2.9	8.6	3'6"	6 x 12	3 1/4 x 6	3 3/8 x 6 5/8
6 x 19 EIP, IWRC	7/16	7/8	5.8	4.0	12	4'	7 x 14	4 1/2 x 9	3 3/4 x 7 1/8
	1/2	1	7.6	5.2	15	4'6"	8 x 16	4 1/2 x 9	3 3/4 x 7 1/8
	9/16	1 1/8	9.6	6.6	19	5'	9 x 18	4 7/8 x 10	4 3/8 x 8 3/8
	5/8	1 1/4	12	8.0	23	5'6"	10 x 20	5 1/2 x 11	4 3/8 x 8 3/8
	3/4	1 1/2	17	11	34	7'	11 x 22	6 x 12	5 x 9 1/2

Basket ratings are based on a minimum D/d of 10.

7 x 7 x 19



7 x 6 x 19



### 7 Part Cable Specifications

Component Rope Dia. (in)	Sling Body Dia. (in)	Rated Capacity (tons)			Min. Sling Length	Standard Eye (in) W x L	Crescent Thimble Eye Size (in) W x L	Slip Thru Thimble Eye Size (in) W x L	
		Vertical	Choker	Vertical Basket					
7 x 19 GAC	1/8	3/8	1.3	.91	2.6	2'	3 x 6	2 x 4	2 1/8 x 4 1/8
	3/16	9/16	2.8	1.9	5.6	2'6"	4 x 8	2 1/4 x 6	2 3/8 x 4 3/8
	1/4	3/4	4.7	3.2	9.3	3'	5 x 10	2 3/4 x 7	3 3/8 x 6 5/8
	5/16	15/16	6.5	4.5	13	3'6"	6 x 12	3 1/4 x 8 1/2	3 3/4 x 7 1/8
	3/8	1 1/8	9.6	6.6	19	4'	7 1/2 x 15	4 1/2 x 10	3 3/4 x 7 1/8
6 x 19	7/16	15/16	14	9.3	27	4'6"	9 x 18	4 7/8 x 13	4 3/8 x 8 3/8
	1/2	1 1/2	18	12	35	5'	10 x 20	5 1/2 x 14 1/2	4 3/8 x 8 3/8

Basket ratings are based on a minimum D/d of 10.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



# Wire Rope Slings

## Multi - Part Braided Sling Specifications



6 x 7 x 19



6 x 6 x 19



6 Part Cable Specifications									
Component Rope Dia. (in)	Sling Body Dia. (in)	Rated Capacity (tons)			Min. Sling Length	Standard Eye (in) W x L	Crescent Thimble Eye Size (in) W x L	Slip Thru Thimble Eye Size (in) W x L	
		Vertical	Choker	Vertical Basket					
7 x 19 GAC	1/8	9/16 x 3/8	.84	.74	1.7	2'	3 x 6	2 x 4	2 1/8 x 4 1/8
	3/16	13/16 x 1/2	1.8	1.5	3.5	3'	4 x 8	2 1/4 x 7	2 3/8 x 4 3/8
	1/4	1 1/8 x 11/16	2.9	2.6	5.9	3'6"	5 x 10	3 1/4 x 8 1/2	3 3/8 x 6 5/8
	5/16	1 3/8 x 7/8	4.1	3.6	8.2	4'6"	6 x 12	4 1/2 x 11 1/2	3 3/8 x 6 5/8
	3/8	1 11/16 x 1	6.0	5.3	12	5'	7 x 14	4 7/8 x 13	3 3/4 x 7 1/8
6 x 19 EIP, IWRC	7/16	2 x 13/16	8.6	7.5	17	6'	8 x 16	6 x 16	3 3/4 x 7 1/8
	1/2	2 1/4 x 13/16	11	9.8	22	6'6"	9 x 18	6 x 17 1/2	4 3/8 x 8 3/8
	9/16	2 1/2 x 1 1/2	14	12	28	7'	10 x 20	7 x 20	4 3/8 x 8 3/8
	5/8	2 13/16 x 1 11/16	17	15	35	8'	11 x 22	7 x 23 1/2	5 x 9 1/2
	3/4	3 3/8 x 2	25	22	49	9'	12 x 24	8 1/2 x 26	6 3/4 x 11 3/4

Basket ratings are based on a minimum D/d of 25.

8 x 7 x 19



8 x 6 x 19



8 Part Cable Specifications									
Component Rope Dia. (in)	Sling Body Dia. (in)	Rated Capacity (tons)			Min. Sling Length	Standard Eye (in) W x L	Crescent Thimble Eye Size (in) W x L	Slip Thru Thimble Eye Size (in) W x L	
		Vertical	Choker	Vertical Basket					
7 x 19 GAC	1/8	9/16	1.1	1.0	2.2	2'	3 x 6	2 x 4	2 1/8 x 4 1/8
	3/16	13/16	2.4	2.1	4.7	3'	4 x 8	2 1/4 x 6	2 3/8 x 4 3/8
	1/4	1 1/8	3.9	3.4	7.8	3'6"	5 x 10	3 1/4 x 8	3 3/8 x 6 5/8
	5/16	1 3/8	5.5	4.8	11	4'6"	6 x 12	4 1/2 x 10	3 3/4 x 7 1/8
	3/8	1 11/16	8.1	7.1	16	5'	7 x 14	4 5/8 x 12	3 3/4 x 7 1/8
6 x 19 EIP, IWRC	7/16	2	11	10	23	6'	8 x 16	5 1/2 x 14	4 3/8 x 8 3/8
	1/2	2 1/4	15	13	30	6'6"	9 x 18	6 x 16	5 x 9 1/2
	9/16	2 1/2	19	16	38	7'	10 x 20	6 1/2 x 18	5 x 9 1/2
	5/8	2 13/16	23	20	46	8'	11 x 22	7 x 20	6 3/4 x 11 3/4
	3/4	3 3/8	33	29	66	9'	12 x 24	8 x 24	8 x 14 1/2

Basket ratings are based on a minimum D/d of 25.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



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# Wire Rope Slings

## Sling Weights

### Sling Weights (Approx.)

To estimate sling weights, multiply length x Per Foot Weight and add Zero Base Weight plus any additional fittings' weights.






















Specifications							
Rope Dia. (in)	*Zero Base Weight (lbs)	Per Foot Weight	Thimble Eye Wt. Ea. (lbs)	Alloy Eye Hook Wt. Ea. (lbs)	Crescent Thimble Wt. Ea. (lbs)	Slip Thru Thimble Wt. Ea. (lbs)	Sliding Choker Hook Wt. Ea. (lbs)
	.31						
1/4	.31	.12	.08	.63	.50	1.3	1.3
5/16	.47	.18	.14	.63	.50	1.3	1.3
3/8	.73	.26	.22	.85	.50	1.3	1.3
7/16	1.3	.35	.36	1.4	.50	1.5	1.9
1/2	1.7	.46	.51	1.9	.75	1.5	1.9
9/16	3.1	.59	.51	3.7	.75	1.5	1.9
5/8	3.5	.72	.75	3.7	1.2	3.4	4.0
3/4	5.7	1.0	1.5	7.3	2.0	3.4	4.5
7/8	8.9	1.4	1.9	15	3.3	5.6	10
1	13	1.9	3.0	15	3.8	5.6	10
1 1/8	18	2.3	4.0	22	5.0	8.6	26
1 1/4	25	2.9	8.2	22	6.8	8.6	26
1 3/8	32	3.5	12	38	8.0	10	50
1 1/2	41	4.2	12	38	8.0	10	50
1 3/4	65	5.7	18	60	17	18	—
2	99	7.4	25	105	22	53	—
2 1/4	169	9.4	40	148	39	70	—
2 1/2	278	12	—	—	39	126	—

\*Zero Base Weight accounts for the additional rope and sleeves required to form two standard eyes.  
Green shading reflects rental inventory.



# Hooks & Hardware

Hardware / Fitting Specifications - For Use With Tiedowns

Hardware / Fittings For 2" - 4" Ratchet Straps				
Product	Model	Description	Breaking Strength	Working Load Limit
	22	2" Wire Hook	5,000 lbs	1,665 lbs
	24	2" Narrow Flat Hook	5,000 lbs	1,665 lbs
	25	2" STD Flat Hook	10,000 lbs	3,335 lbs
	26	2" Flat Side Snap Hook	5,000 lbs	1,665 lbs
	27	2" Twisted Snap Hook	11,000 lbs	3,665 lbs
	27A	2" HD Flat Side Snap Hook	11000 lbs	3665 lbs
	28	2" Flat D-Ring	11,000 lbs	3,665 lbs
	29	2" Forged Snap Hook	10,000 lbs	3,335 lbs
	30	3 PC. Cluster Hook	11,600 lbs	3,900 lbs
	31	2"-4" Pear-Grab Hook	16,200 lbs	5,400 lbs
	32	2"-4" Chain Anchor	10,000 lbs	3,335 lbs
	36	3"-4" Flat Hook	15,000 lbs	5,000 lbs
	37	3"-4" Delta Ring	20,000 lbs	6,670 lbs
	38	2" D-Ring	5,000 lbs	1,665 lbs
	382	3/8" Dia. Round Ring	5,000 lbs	1,665 lbs
	40	3"-4" HD Wire Hook	22,000 lbs	7,335 lbs
	5035	2" LD Ratchet	4,000 lbs	1,335 lbs
	5065	2" Short Ratchet	10,000 lbs	3,335 lbs
	5130LH	2" Long Ratchet	10,000 lbs	3,335 lbs
Not Pictured	5150	3" Ratchet	22,000 lbs	7,335 lbs
Not Pictured	5200	4" Ratchet	24,000 lbs	8,000 lbs

Note: Capacity/WLL ratings are only as strong as their weakest components or attachments.

Hardware / Fittings For 1" Utility Straps				
Product	Model	Description	Breaking Strength	Working Load Limit
	C5	1" Light Duty Cam	700 lbs	265 lbs
	C112	1" Heavy Duty Cam	1,500 lbs	500 lbs
	02	1" D-Ring	5,000 lbs	1,665 lbs
	04	1" Vinyl S-Hook	1,500 lbs	500 lbs
	07A	1" Flat Snap-Hook	1,500 lbs	500 lbs
	12	1" LD Boat Hook	4,000 lbs	1,335 lbs
	13	1" Snap Hook	3,750 lbs	1,250 lbs
	15	1" Wire Hook	3,000 lbs	1,000 lbs
	5001	1" LD Ratchet	1,780 lbs	590 lbs
	5003	1" HD Ratchet	3,000 lbs	1,000 lbs

Note: Capacity/WLL ratings are only as strong as their weakest components or attachments.

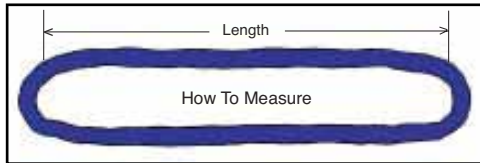


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# Polyester Roundslings

Tuflex Endless Roundslings



Specifications										
Code	Color	Rated Capacity (lbs)			Minimum Length (ft)	Approximate Measurements				
		Vertical	Choker	Basket		Weight (lbs / ft)	Body Dia. Relaxed (in)	Width at Load (in)	Minimum Hardware Dia* (in)	
EN30	Purple	2,600	2,100	5,200	1 1/2	.2	5/8	1 1/8	1/2	
EN60	Green	5,300	4,200	10,600	1 1/2	.3	7/8	1 1/2	5/8	
EN90	Yellow	8,400	6,700	16,800	3	.5	1 1/8	1 7/8	3/4	
EN120	Tan	10,600	8,500	21,200	3	.6	1 1/8	2 1/8	7/8	
EN150	Red	13,200	10,600	26,400	3	.8	1 3/8	2 1/4	1	
EN180	White	16,800	13,400	33,600	3	.9	1 3/8	2 1/2	1 1/8	
EN240	Blue	21,200	17,000	42,400	3	1.3	1 3/4	3	1 1/4	
EN360	Grey	31,000	24,800	62,000	3	1.7	2 1/4	3 3/4	1 1/2	
EN600	Brown	53,000	42,400	106,000	8	2.8	2 3/4	4 5/8	1 7/8	
EN800	Olive	66,000	52,800	132,000	8	3.4	3 1/8	5 1/4	2 1/8	
EN1000	Black	90,000	72,000	180,000	8	4.3	3 5/8	6	2 1/2	

Green shading reflects rental inventory.

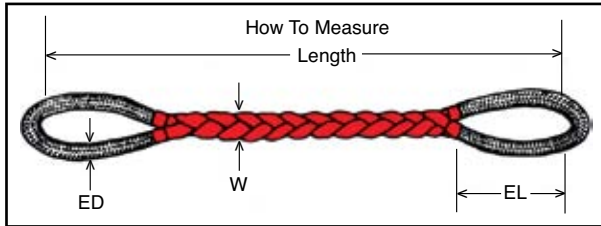


Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



# Polyester Roundslings

Braided Tuflex Roundslings - 6 Part



6 Part Flat Braid (B6E) Specifications												
Model	Color	Rated Capacity (lbs)			Minimum Length (ft)	Approximate Measurements						
		Vertical	Choker	Basket		Weight (lbs / ft)	Standard Eye Length (EL) (in)	Width at Load (W) (in)	Thickness at Load (in)	Eye Dia. (ED) (in)	Minimum Hardware Dia* (in)	
B6E30	Purple	6,700	5,300	13,400	4 1/2	.8	15	3 1/4	3/4	1 3/4	5/8	
B6E60	Green	13,500	10,800	27,000	5	1.2	15	3 3/4	1 1/8	2	1	
B6E90	Yellow	21,400	17,100	42,800	5 1/2	1.6	15	4 1/4	1 1/4	2	1 1/4	
B6E120	Tan	27,000	21,600	54,000	5 1/2	2.0	15	4 1/2	15/16	2 1/4	1 3/8	
B6E150	Red	33,600	26,800	67,200	6 1/2	2.7	20	5 1/4	13/4	2 1/2	1 1/2	
B6E180	White	42,800	34,200	85,600	7	3.2	20	5 1/2	2	2 3/4	1 3/4	
B6E240	Blue	54,000	43,200	108,000	9	4.4	20	6 5/8	2 1/4	3 1/2	1 3/4	
B6E360	Grey	79,000	63,200	158,000	9 1/2	6.5	30	8 1/4	2 1/2	4 1/4	2 1/2	
B6E600	Brown	135,100	108,000	270,200	10 1/2	9.7	30	11	2 3/4	5	3	
B6E800	Olive	168,300	134,600	336,600	13	12.0	30	12	4	5 1/4	3 1/2	
B6E1000	Black	229,500	183,600	459,000	14 1/2	15.6	31	13 1/2	4 1/2	5 3/4	4	

\*This is the smallest recommended connection hardware diameter to be used for a vertical hitch.  
Green shading reflects rental inventory.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.



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# Polyester Roundslings

Braided Tuflex Roundslings - 8 Part



Always use Wear Pads to protect synthetic slings from being cut by load edges.



Do not exceed rated capacities. Sling capacity decreases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

## 8 Part Round Braid (B8E) Specifications

Model	Color	Rated Capacity (lbs)			Minimum Length (ft)	Approximate Measurements					
		Vertical	Choker	Basket		Weight (lbs / ft)	Standard Eye Length (EL) (in)	Width at Load (W) (in)	Thickness at Load (in)	Eye Dia. (ED) (in)	Minimum Hardware Dia** (in)
B8E30	Purple	8,800	7,100	17,600	4 1/2	1.1	15	3 1/2	1	1 3/4	3/4
B8E60	Green	18,000	14,400	36,000	5	1.5	15	4	1 3/8	2	1 1/8
B8E90	Yellow	28,500	22,800	57,000	5 1/2	2.2	15	4 3/4	1 5/8	2 1/2	1 1/2
B8E120	Tan	36,000	28,800	72,000	5 1/2	2.6	15	5	1 3/4	2 1/2	1 1/2
B8E150	Red	44,900	35,900	89,800	6 1/2	3.6	20	6	2 1/8	2 3/4	1 3/4
B8E180	White	57,100	45,600	114,200	7	4.1	20	6 1/4	2 1/2	3 1/4	2
B8E240	Blue	72,000	57,600	144,000	9	5.6	20	7 1/2	2 3/4	3 3/4	2
B8E360	Grey	105,400	84,300	210,800	9 1/2	8.3	30	9 1/2	3 1/4	4 1/2	2 1/2
B8E600	Brown	180,200	144,100	360,400	10 1/2	12.0	30	13	3 3/4	5 1/2	3 1/2
B8E800	Olive	224,400	179,500	448,800	13	16.0	30	13 1/2	4 1/2	6	4
B8E1000	Black	306,000	244,000	612,000	14 1/2	20.0	31	15 3/4	5 1/4	6 1/2	4 3/4




Green shading reflects rental inventory.



# Polyester Roundslings

KeyFlex Round Sling



KeyFlex Capacities and Measurements								
Model	Rated Capacity (lbs)			Minimum Length (ft)	Approximate Measurements			
	Vertical 	Choker 	Basket 		Weight (lbs / ft)	Body Dia. Relaxed (in)	Width at Load (W) (in)	Minimum Hardware Dia* (in)
KEN10K	10,000	8,000	20,000	3	.3	1	1 3/4	7/8
KEN15K	15,000	12,000	30,000	3	.5	1 1/8	2	1
KEN20K	20,000	16,000	40,000	3	.6	1 1/4	2 1/4	1 1/4
KEN25K	25,000	20,000	50,000	3	.7	1 1/4	2 1/2	1 3/8
KEN30K	30,000	24,000	60,000	8	.8	1 3/8	2 3/4	1 1/2
KEN40K	40,000	32,000	80,000	8	1.0	1 3/4	3	1 1/2
KEN50K	50,000	40,000	100,000	10	1.2	1 7/8	3 1/2	1 3/4
KEN60K	60,000	48,000	120,000	10	1.5	2	3 3/4	2
KEN70K	70,000	56,000	140,000	10	1.7	2 1/8	4	2 1/2
KEN80K	80,000	64,000	160,000	10	1.8	2 1/4	4 1/2	2 1/2
KEN90K	90,000	72,000	180,000	10	2.1	2 1/2	4 3/4	2 1/2
KEN100K	100,000	80,000	200,000	10	2.6	2 3/4	5	2 1/2
KEN125K	125,000	100,000	250,000	10	3.0	3	5 1/4	3
KEN150K	150,000	120,000	300,000	10	3.5	3 1/4	5 1/2	3 1/2
KEN175K	175,000	140,000	350,000	10	4.0	3 1/2	6	3 1/2
KEN200K	200,000	160,000	400,000	10	4.5	3 3/4	6 1/4	3 1/2

*Green shading reflects rental inventory.*



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# Shackles

.33 - 55 Ton Green Pin® bow shackle with screw collar pin



**Material:** bow and pin high tensile steel, Grade 6, quenched and tempered

**Safety Factor:** MBL equals 6 x WLL

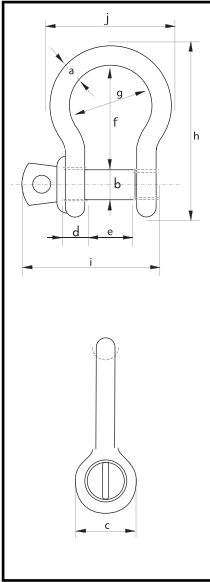
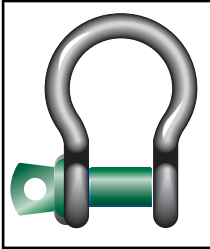
**Standard:** En 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2, Grade A

**Finish:** hot dipped galvanized

**Temperature Range:** -20°C up to +200° C

**Certificates:** at no extra charges this product can be supplied with a works certificate, certificate of basic raw material, manufacturer test certificate and/or EC Declaration of Conformity.

## G-4161



Specifications (mm)											
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Weight each
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
0.33	5	6	12.5	5	9.5	22	16	41	31	28	0.02
0.5	7	8	17	7	12	29	20	54	40	37	0.05
0.75	9	10	21	9	13.5	32	22	61	49	42	0.1
1	10	11	23	10	17	36.5	26	71	56	49	0.14
1.5	11	13	26	11	19	43	29	80	68	54	0.19
2	13.5	16	34	13.5	22	51	32	91	76	63	0.36
3.25	16	19	40	16	27	64	43	114	93	79	0.63
4.75	19	22	47	19	31	76	51	136	107	94	1.01
6.5	22	25	53	22	36	83	58	157	123	107	1.5
8.5	25	28	60	25	43	95	68	176	141	124	2.21
9.5	28	32	67	28	47	108	75	197	158	137	3.16
12	32	35	74	32	51	115	83	218	176	154	4.31
13.5	35	38	80	35	57	133	92	240	192	170	5.55
17	38	42	89	38	60	146	99	262	208	183	7.43
25	45	50	104	45	74	178	126	314	250	226	12.84
35	50	57	119	50	83	197	138	358	281	250	18.15
42.5	57	65	134	57	95	222	160	414	321	287	26.29
55	65	70	145	65	105	260	185	463	355	329	37.6

Green shading reflects rental inventory.

Specifications (in)											
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Weight each
tons	a in	b in	c in	d in	e in	f in	g in	h in	i in	j in	lbs
0.33	3/16	1/4	1/2	3/16	3/8	7/8	5/8	1 5/8	1 1/4	1 1/8	0.05
0.5	1/4	5/16	11/16	9/32	1/2	1 5/8	25/32	2 1/8	1 9/16	1 1/2	0.11
0.75	5/16	3/8	13/16	11/32	17/32	1 9/32	7/8	2 3/8	1 15/16	1 11/16	0.22
1	3/8	7/16	29/32	3/8	11/16	1 7/16	1	2 25/32	2 3/16	1 15/16	0.3
1.5	7/16	1/2	1 1/32	7/16	3/4	1 23/32	1 5/32	3 5/32	2 11/16	2 1/8	0.42
2	1/2	5/8	1 11/32	17/32	7/8	2	1 9/32	3 19/32	3	2 1/2	0.79
3.25	5/8	3/4	1 19/32	5/8	1 3/32	2 17/32	1 23/32	4 1/2	3 11/16	3 1/8	1.38
4.75	3/4	7/8	1 7/8	3/4	1 1/4	3	2	5 11/32	4 3/16	3 23/32	2.22
6.5	7/8	1	2 3/32	7/8	1 7/16	3 9/32	2 9/32	6 5/32	4 13/16	4 3/16	3.31
8.5	1	1 1/8	2 11/32	1	1 23/32	3 3/4	2 11/16	6 29/32	5 9/16	4 7/8	4.86
9.5	1 1/8	1 1/4	2 5/8	1 1/8	1 7/8	4 1/4	2 15/16	7 3/4	6 3/16	5 3/8	6.97
12	1 1/4	1 3/8	2 29/32	1 9/32	2	4 17/32	3 9/32	8 9/16	6 29/32	6 1/32	9.49
13.5	1 3/8	1 1/2	3 5/32	1 3/8	2 1/4	5 1/4	3 5/8	9 7/16	7 9/16	6 11/16	12.24
17	1 1/2	1 5/8	3 1/2	1 17/32	2 11/32	5 3/4	3 29/32	10 5/16	8 3/16	7 3/16	16.37
25	1 3/4	2	4 1/8	1 25/32	2 29/32	7	4 15/16	12 11/32	9 13/16	8 29/32	28.31
35	2	2 1/4	4 11/16	1 31/32	3 9/32	7 3/4	5 7/16	14 3/32	11 3/32	9 13/16	40.01
42.5	2 1/4	2 9/16	5 9/32	2 1/4	3 3/4	8 3/4	6 9/32	16 5/16	12 5/8	11 5/16	57.96
55	2 1/2	2 3/4	5 3/4	2 9/16	4 1/8	10 1/4	7 9/32	18 1/4	14	12 15/16	82.89

Green shading reflects rental inventory.

**NOTE:** Want to purchase this item instead?  
LGH is an authorized VanBeest Distributor



# Shackles

## .5 - 85 Ton Green Pin® bow shackles with safety bolt

**Material:** bow and pin high tensile steel, Grade 6, quenched and tempered

**Safety Factor:** MBL equals 6 x WLL

**Standard:** En 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade A

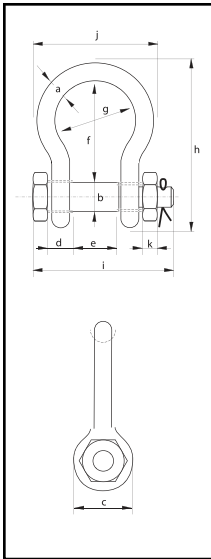
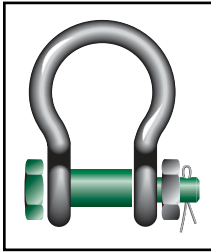
**Finish:** hot dipped galvanized

**Temperature Range:** -20°C up to +200° C

**Certificates:** at no extra charges this product can be supplied with a works certificate, certificate of basic raw material, manufacturer test certificate and/or EC Declaration of Conformity



G-4163



Specifications (mm)												
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Thickness nut	Weight each
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	lbs
0.5	7	8	17	7	12	29	20	54	43	37	4	0.13
0.75	9	10	21	9	13.5	32	22	61	51	42	5	0.25
1	10	11	23	10	17	36.5	26	71	61	49	8	0.34
1.5	11	13	26	11	19	43	29	80	68	54	11	0.48
2	13.5	16	34	13.5	22	51	32	91	83	63	13	0.92
3.25	16	19	40	16	27	64	43	114	99	79	17	1.62
4.75	19	22	47	19	31	76	51	136	115	94	20	2.59
6.5	22	25	53	22	36	83	58	157	131	107	23	3.9
8.5	25	28	60	25	43	95	68	176	151	124	25	5.69
9.5	28	32	67	28	47	108	75	197	167	137	28	8.06
12	32	35	74	32	51	115	83	218	179	154	31	10.81
13.5	35	38	80	35	57	133	92	240	198	170	34	14.42
17	38	42	89	38	60	146	99	262	203	183	39	18.06
25	45	50	104	45	74	178	126	314	244	226	44	31.34
35	50	57	119	50	83	197	138	358	270	250	50	43.77
42.5	57	65	134	57	95	222	160	414	302	287	60	62.46
55	65	70	145	65	105	260	180	463	330	329	70	87.27
85	75	83	163	75	127	329	190	556	376	355	100	136.69

Green shading reflects rental inventory.

Specifications (in)												
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Thickness nut	Weight each
tons	a in	b in	c in	d in	e in	f in	g in	h in	i in	j in	k in	lbs
0.5	1/4	5/16	11/16	9/32	1/2	1 5/32	25/32	2 1/8	1 23/32	1 1/2	5/32	0.13
0.75	5/16	3/8	13/16	11/32	17/32	1 9/32	7/8	2 3/8	2	1 11/16	3/16	0.25
1	3/8	7/16	29/32	3/8	11/16	1 7/16	1	2 25/32	2 3/8	1 15/16	5/16	0.34
1.5	7/16	1/2	1 1/32	7/16	3/4	1 23/32	1 5/32	3 5/32	2 11/16	2 1/8	7/16	0.48
2	1/2	5/8	1 11/32	17/32	7/8	2	1 9/32	3 19/32	3 9/32	2 1/2	17/32	0.92
3.25	5/8	3/4	1 19/32	5/8	13/32	2 17/32	1 23/32	4 1/2	3 29/32	3 1/8	11/16	1.62
4.75	3/4	7/8	1 7/8	3/4	1 1/4	3	2	5 11/32	4 17/32	3 23/32	25/32	2.59
6.5	7/8	1	2 3/32	7/8	1 7/16	3 9/32	2 9/32	6 5/32	5 5/32	4 3/16	29/32	3.9
8.5	1	1 1/8	2 11/32	1	1 23/32	3 3/4	2 11/16	6 29/32	5 15/16	4 7/8	1	5.69
9.5	1 1/8	1 1/4	2 5/8	1 1/8	1 7/8	4 1/4	2 15/16	7 3/4	6 19/32	5 3/8	1 1/8	8.06
12	1 1/4	1 3/8	2 29/32	1 9/32	2	4 17/32	3 9/32	8 9/16	7 1/32	6 3/32	1 1/4	10.81
13.5	1 3/8	1 1/2	3 5/32	1 3/8	2 1/4	5 1/4	3 5/8	9 7/16	7 25/32	6 23/32	1 11/32	14.42
17	1 1/2	1 3/4	3 1/2	1 17/32	2 11/32	5 3/4	3 29/32	10 5/16	8	7 3/16	3/4	18.06
25	1 3/4	2	4 1/8	1 25/32	2 29/32	7	4 15/16	12 11/32	9 19/32	8 29/32	1 5/16	31.34
35	2	2 1/4	4 11/16	2 31/32	3 9/32	7 3/4	5 7/16	14 3/32	10 5/8	9 13/16	1 3/32	43.77
42.5	2 1/4	2 9/16	5 9/32	2 1/4	3 3/4	8 3/4	6 9/32	16 5/16	11 7/8	11 5/16	1 3/16	62.46
55	2 1/2	2 3/4	5 3/4	2 9/16	4 1/8	10 1/4	7 9/32	18 1/4	13	12 15/16	1 5/16	87.27
85	3	3 1/4	6 7/16	2 15/16	5	12 15/16	7 1/2	21 29/32	14 25/32	14	1 19/32	136.69

Green shading reflects rental inventory.

**NOTE:** Want to purchase this item instead?  
LGH is an authorized VanBeest Distributor



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# Shackles

## 120 - 1,500 Ton Green Pin® bow Alloy Shackles with safety bolt



**Material:** bow and pin high tensile steel, Grade 8, quenched and tempered

**Safety Factor:** MBL equals 5 x WLL

**Finish:** hot dipped galvanized

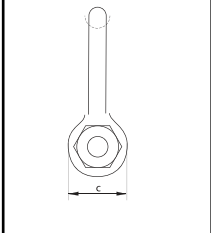
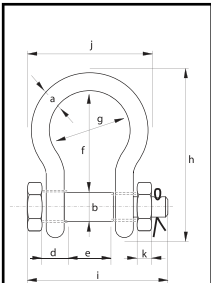
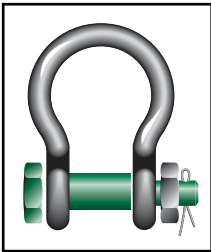
**Temperature Range:** -20°C up to +200° C

**Certificates:** at no extra charges this product can be supplied with a works certificate, certificate of basic raw

material, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 150 tons are supplied with a Lloyd's Register of Shipping Certificate on proof load

**Note:** +5% forging tolerance on inside width and length

### P-6036



Specifications (mm)												
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Thickness nut	Weight each
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
120	95	95	215	89	144	381	238	667	440	416	50	110
150	105	108	245	100	165	400	275	702	490	485	60	160
200	120	130	288	110	175	500	290	854	520	530	60	235
250	130	140	308	115	200	540	305	921	560	565	65	285
300	140	150	335	120	200	600	305	1,018	575	585	70	340
400	170	175	387	160	225	650	325	1,137	690	665	70	560
500	180	185	410	160	250	700	350	1,213	710	710	70	685
600	200	205	458	185	275	700	375	1,267	810	775	70	880
700	210	215	468	200	300	700	400	1,287	850	820	70	980
800	210	220	478	200	300	700	400	1,294	870	820	70	1,100
900	220	230	500	210	320	700	420	1,320	920	860	70	1,280
1000	240	240	530	210	340	700	420	1,360	940	900	70	1,460
1250	260	270	600	225	360	700	450	1,430	1,020	970	70	1,990
1500	280	290	640	225	360	700	450	1,480	1,060	1,010	70	2,400

Green shading reflects rental inventory.

Specifications (in)												
Working load limit	Diameter bow	Diameter pin	Diameter eye	Width eye	Width inside	Length inside	Width bow	Length	Length bolt	Width bow	Thickness nut	Weight each
tons	a in	b in	c in	d in	e in	f in	g in	h in	i in	j in	k in	lbs
120	3 3/4	3 3/4	8 1/2	3 17/32	5 11/18	15	9 11/32	26 9/32	17 5/16	16 3/8	2	243
150	4	4 1/4	9 5/8	3 15/16	6 17/32	15 3/4	10 13/16	27 5/8	19 9/32	19 1/8	2 3/8	353
200	4 3/4	5 1/8	11 11/32	4 5/16	6 29/32	19 11/16	11 7/16	33 5/8	20 1/2	20 7/8	2 3/8	518
250	4 7/8	5 1/2	12 1/8	4 17/32	7 7/8	21 9/32	12	36 9/32	22	22 1/4	2 9/16	628
300	5 5/16	5 7/8	13 3/16	4 23/32	7 7/8	23 5/8	12	40	22 5/8	23	2 3/4	750
400	6 1/2	6 7/8	15 1/4	6 5/16	8 7/8	25 19/32	12 25/32	44 3/4	27 5/32	26 1/4	2 3/4	1,235
500	6 7/8	7 1/4	16 5/32	6 5/16	9 13/16	27 1/2	13 25/32	47 3/4	28	28	2 3/4	1,510
600	7 5/8	8 1/16	18	7 9/32	10 13/16	27 1/2	14 3/4	49 7/8	31 7/8	30 1/22	2 3/4	1,940
700	8 1/16	8 1/2	18 7/16	7 7/8	11 13/16	27 1/2	15 3/4	50 11/16	33 1/2	32 3/8	2 3/4	2,161
800	8 1/4	8 5/8	18 13/16	7 7/8	11 13/16	21 1/2	15 3/4	51	34 1/4	32 3/8	2 3/4	2,425
900	8 5/8	9 1/16	19 11/16	8 9/32	12 19/32	24 1/2	16 9/16	52	36 1/4	33 7/8	2 3/4	2,822
1000	9 1/16	9 7/16	20 7/8	8 9/32	13 3/8	27 1/2	16 9/16	53 9/16	37	35 1/2	2 3/4	3,219
1250	10 1/4	10 5/8	23 5/8	8 7/8	14 5/32	27 1/2	17 23/32	56 5/16	40 1/4	38 1/4	2 3/4	4,387
1500	11	11 7/16	25 3/16	8 7/8	14 5/32	27 1/2	17 23/32	58 5/16	41 3/4	39 3/4	2 3/4	25,291

Green shading reflects rental inventory.



# Shackles

## 1/3 - 55 Ton Screw & Round Pin Specifications

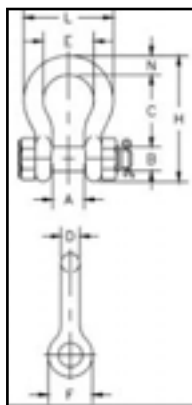
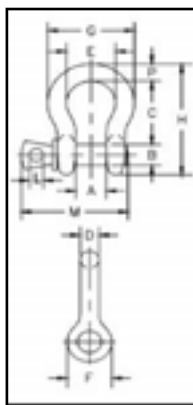


- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20°C.
- Working Load Limit permanently shown on every shackle.
- Forged - Quenched and Tempered, with alloy pins.
- Capacities 1/3 thru 55 metric tons.
- Look for the Red Pin™...the mark of genuine Crosby quality.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification.
- Charges for proof testing and material certification available when requested at the time of order.
- Hot Dip galvanized or Self Colored.
- Fatigue rated.

G-209 S-209



G-213 S-213



Specifications							
Nominal Size (in)	Working Load Limit*(t)	Model				Weight Each (lbs)	
		G-209 Galv.	S-209 S.C.	G-213 Galv.	S-213 S.C.	G-209 S-209	G-213 S-213
3/16	† 1/3	1018357	—	—	—	.06	—
1/4	1/2	1018375	1018384	1018017	1018026	.10	.13
5/16	3/4	1018393	1018400	1018035	1018044	.19	.18
3/8	1	1018419	1018428	1018053	1018062	.31	.29
7/16	1 1/2	1018437	1018446	1018071	1018080	.38	.38
1/2	2	1018455	1018464	1018099	1018106	.72	.71
5/8	3 1/4	1018473	1018482	1018115	1018124	1.37	1.50
3/4	4 3/4	1018491	1018507	1018133	1018142	2.35	2.32
7/8	6 1/2	1018516	1018525	1018151	1018160	3.62	3.49
1	8 1/2	1018534	1018543	1018179	1018188	5.03	5.00
1 1/8	9 1/2	1018552	1018561	1018197	1018204	7.41	6.97
1 1/4	12	1018570	1018589	1018213	1018222	9.50	9.75
1 3/8	13 1/2	1018598	1018605	1018231	1018240	13.53	13.25
1 1/2	17	1018614	1018623	1018259	1018268	17.20	17.25
1 3/4	25	1018632	1018641	1018277	1018286	27.78	29.46
2	35	1018650	1018669	1018295	1018302	45.00	45.75
2 1/2	† 55	1018678	1018687	—	—	85.75	—

Green shading reflects rental inventory.

Specifications																
Nominal Size (in)	Working Load Limit*(t)	Dimensions (in)												Tolerance + / -		
		A	B	C	D	E	F	G	H	L	M	N	P	C	A	
3/16	† 1/3	.38	.25	.88	.19	.60	.56	.98	1.47	.16	1.12	—	.19	.06	.06	
1/4	1/2	.47	.31	1.13	.25	.78	.61	1.28	1.84	.19	1.38	1.34	.25	.06	.06	
5/16	3/4	.53	.38	1.22	.31	.84	.75	1.47	2.09	.22	1.66	1.59	.31	.06	.06	
3/8	1	.66	.44	1.44	.38	1.03	.91	1.78	2.49	.25	2.03	1.86	.38	.13	.06	
7/16	1 1/2	.75	.50	1.69	.44	1.16	1.06	2.03	2.91	.31	2.38	2.13	.44	.13	.06	
1/2	2	.81	.63	1.88	.50	1.31	1.19	2.31	3.28	.38	2.69	2.38	.50	.13	.06	
5/8	3 1/4	1.06	.75	2.38	.63	1.69	1.50	2.94	4.19	.44	3.34	2.91	.69	.13	.06	
3/4	4 3/4	1.25	.88	2.81	.75	2.00	1.81	3.50	4.97	.50	3.97	3.44	.81	.25	.06	
7/8	6 1/2	1.44	1.00	3.31	.88	2.28	2.09	4.03	5.83	.50	4.50	3.81	.97	.25	.06	
1	8 1/2	1.69	1.13	3.75	1.00	2.69	2.38	4.69	6.56	.56	5.07	4.53	1.06	.25	.06	
1 1/8	9 1/2	1.81	1.25	4.25	1.16	2.91	2.69	5.16	7.47	.63	5.59	5.13	1.25	.25	.06	
1 1/4	12	2.03	1.38	4.69	1.29	3.25	3.00	5.75	8.25	.69	6.16	5.50	1.38	.25	.06	
1 3/8	13 1/2	2.25	1.50	5.25	1.42	3.63	3.31	6.38	9.16	.75	6.84	6.13	1.50	.25	.13	
1 1/2	17	2.38	1.63	5.75	1.54	3.88	3.63	6.88	10.00	.81	7.35	6.50	1.62	.25	.13	
1 3/4	25	2.88	2.00	7.00	1.84	5.00	4.19	8.86	12.34	1.00	9.08	7.75	2.25	.25	.13	
2	35	3.25	2.25	7.75	2.08	5.75	4.81	9.97	13.68	1.22	10.34	8.75	2.40	.25	.13	
2 1/2	† 55	4.13	2.75	10.50	2.71	7.25	5.69	12.87	17.84	1.38	13.00	—	3.13	.25	.25	

† Furnished in screw pin only.

\*Note: Maximum Proof Load is 2.0 times the working load limit. Minimum ultimate strength is 6 times the Working load limit.

Green shading reflects rental inventory.



# Shackles

## 1/2 - 55 Ton Screw & Round Pin Forged Chain Shackles Specifications



- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20°C.
- Working Load Limit permanently shown on every shackle.
- Forged - Quenched and Tempered, with alloy pins.
- Capacities 1/3 thru 55 metric tons.
- Look for the Red Pin™...the mark of genuine Crosby quality.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification.
- Charges for proof testing and material certification available when requested at the time of order.
- Hot Dip galvanized or Self Colored.
- Fatigue rated.

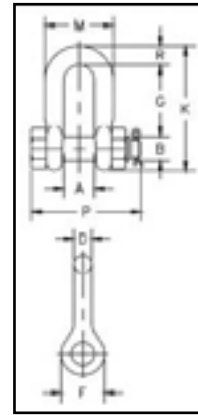
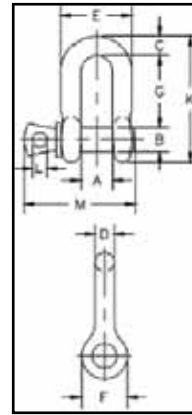
Specifications							
Nominal Size (in)	Working Load Limit* (t)	Model				Weight Each (lbs)	
		G-210 Galv.	S-210 S.C.	G-215 Galv.	S-215 S.C.	G-210 S-210	G-215 S-215
1/4	1/2	1019150	1019169	1018810	1018829	.11	.10
5/16	3/4	1019178	1019187	1018838	1018847	.17	.18
3/8	1	1019196	1019203	1018856	1018865	.28	.25
7/16	1 1/2	1019212	1019221	1018874	1018883	.43	.40
1/2	2	1019230	1019249	1018892	1018909	.59	.50
5/8	3 1/4	1019258	1019267	1018918	1018927	1.25	1.21
3/4	4 3/4	1019276	1019285	1018936	1018945	2.63	2.00
7/8	6 1/2	1019294	1019301	1018954	1018963	3.16	3.28
1	8 1/2	1019310	1019329	1018972	1018981	4.75	4.75
1 1/8	9 1/2	1019338	1019347	1018990	1019007	6.75	6.30
1 1/4	12	1019356	1019365	1019016	1019025	9.06	9.00
1 3/8	13 1/2	1019374	1019383	1019034	1019043	11.63	12.00
1 1/2	17	1019392	1019409	1019052	1019061	15.95	16.15
1 3/4	25	1019418	1019427	1019070	1019089	26.75	29.96
2	35	1019436	1019445	1019098	1019105	42.31	43.25
2 1/2	†55	1019454	1019463	—	—	71.75	—

Green shading reflects rental inventory.

G-210 S-210



G-215 S-215



Specifications														
Nominal Size (in)	Working Load Limit* t	Dimensions (in)											Tolerance +/-	
		A	B	C	D	E	F	G	K	L	M	N	G	A
1/4	1/2	.47	.31	.25	.25	.97	.61	.88	1.59	.19	1.38	1.34	.06	.06
5/16	3/4	.53	.38	.31	.31	1.16	.75	1.03	1.91	.22	1.66	1.59	.06	.06
3/8	1	.66	.44	.38	.38	1.41	.91	1.25	2.30	.25	2.03	1.86	.13	.06
7/16	1 1/2	.75	.50	.44	.44	1.63	1.06	1.44	2.66	.31	2.38	2.13	.13	.06
1/2	2	.81	.63	.50	.50	1.81	1.19	1.63	3.03	.38	2.69	2.38	.13	.06
5/8	3 1/4	1.06	.75	.62	.63	2.31	1.50	2.00	3.75	.44	3.34	2.91	.13	.06
3/4	4 3/4	1.25	.88	.81	.75	2.75	1.81	2.38	4.53	.50	3.97	3.44	.25	.06
7/8	6 1/2	1.44	1.00	.97	.88	3.19	2.09	2.81	5.33	.50	4.50	3.81	.25	.06
1	8 1/2	1.69	1.13	1.00	1.00	3.69	2.38	3.19	5.94	.56	5.07	4.53	.25	.06
1 1/8	9 1/2	1.81	1.25	1.25	1.13	4.06	2.69	3.58	6.78	.63	5.59	5.13	.25	.06
1 1/4	12	2.03	1.38	1.38	1.25	4.53	3.00	3.94	7.50	.69	6.16	5.50	.25	.13
1 3/8	13 1/2	2.25	1.50	1.50	1.38	5.00	3.31	4.38	8.28	.75	6.84	6.13	.25	.13
1 1/2	17	2.38	1.63	1.62	1.50	5.38	3.62	4.81	9.06	.81	7.35	6.50	.25	.13
1 3/4	25	2.88	2.00	2.12	1.75	6.38	4.19	5.75	10.97	1.00	9.08	7.75	.25	.13
2	35	3.25	2.25	2.00	2.00	7.25	4.81	6.75	12.28	1.22	10.34	8.75	.25	.13
2 1/2	†55	4.13	2.75	2.62	2.62	9.38	5.69	8.00	14.84	1.38	13.00	—	.25	.25

† Furnished in screw pin only.

\*Note: Maximum Proof Load is 2.0 times the working load limit. Minimum ultimate strength is 6 times the Working load limit.

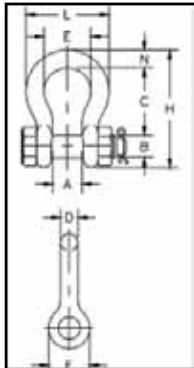
# Shackles

## 1/3 - 150 Ton Bolt - Type Shackles Specifications



- Working Load Limit permanently shown on every shackle.
- Forged - Quenched and Tempered, with alloy pins.
- Capacities 1/3 thru 55 metric tons.
- Look for the Red Pin...the mark of genuine Crosby quality.
- Shackles 55 metric tons and smaller can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification.
- Certification must be requested at time of order.
- Shackles 85 metric tons and larger can be provided as follows: Non Destructive Tested, Serialized Pin and Bow, Material Certification (Chemical), Certification must be requested at time of order.
- Hot Dip galvanized or Self Colored.
- Fatigue rated.

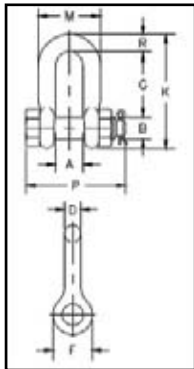
G-2130 S-2130



Specifications							
Nominal Shackle Size (in)	Working Load Limit* (t)	Model				2130 Weight Each (lbs)	2150 Weight Each (lbs)
		G-2130 Galv.	S-2130 S.C.	G-2150 Galv.	S-2150 S.C.		
3/16	1/3**	1019464	—	—	—	.06	—
1/4	1/2	1019466	—	1019768	—	.11	.13
5/16	3/4	1019468	—	1019770	—	.22	.23
3/8	1	1019470	—	1019772	—	.33	.33
7/16	1 1/2	1019471	—	1019774	—	.49	.49
1/2	2	1019472	1019481	1019775	1019784	.79	.75
5/8	3 1/4	1019490	1019506	1019793	1019800	1.68	1.47
3/4	4 3/4	1019515	1019524	1019819	1019828	2.72	2.52
7/8	6 1/2	1019533	1019542	1019837	1019846	3.95	3.85
1	8 1/2	1019551	1019560	1019855	1019864	5.66	5.55
1 1/8	9 1/2	1019579	1019588	1019873	1019882	8.27	7.60
1 1/4	12	1019597	1019604	1019891	1019908	11.71	10.81
1 3/8	13 1/2	1019613	1019622	1019917	1019926	15.83	13.75
1 1/2	17	1019631	1019640	1019935	1019944	20.80	18.50
1 3/4	25	1019659	1019668	1019953	1019962	33.91	31.40
2	35	1019677	1019686	1019971	1019980	52.25	46.75
2 1/2	55	1019695	1019702	1019999	1020004	98.25	85.00
3	† 85**	1019711	—	1020013	—	154.00	124.25
3 1/2	† 120**	1019739	—	—	—	265.00	—
4	† 150**	1019757	—	—	—	338.00	—

Green shading reflects rental inventory.

G-2150 S-2150



Specifications																		
Nominal Shackle Size (in)	Working Load Limit* t	Dimensions (in)														Tolerance + / -		
		A	B	C	D	E	F	G	H	K	L	M	N	P	R	C & G	A	
3/16	1/3**	.38	.25	.88	.19	.60	.56	—	1.47	—	.98	—	.19	1.29	—	.06	.06	
1/4	1/2	.47	.31	1.13	.25	.78	.61	.75	1.84	1.59	1.28	.97	.25	1.56	.25	.06	.06	
5/16	3/4	.53	.38	1.22	.31	.84	.75	1.00	2.09	1.91	1.47	1.16	.31	1.82	.31	.06	.06	
3/8	1	.66	.44	1.44	.38	1.03	.91	1.22	2.49	2.30	1.78	1.41	.38	2.17	.38	.13	.06	
7/16	1 1/2	.75	.50	1.69	.44	1.16	1.06	1.42	2.91	2.66	2.03	1.62	.44	2.51	.44	.13	.06	
1/2	2	.81	.63	1.88	.50	1.31	1.19	1.63	3.28	3.03	2.31	1.81	.50	2.80	.50	.13	.06	
5/8	3 1/4	1.06	.75	2.38	.63	1.69	1.50	2.00	4.19	3.75	2.94	2.31	.69	3.53	.63	.13	.06	
3/4	4 3/4	1.25	.88	2.81	.75	2.00	1.81	2.38	4.97	4.53	3.50	2.75	.81	4.07	.81	.25	.06	
7/8	6 1/2	1.44	1.00	3.31	.88	2.28	2.09	2.81	5.83	5.33	4.03	3.19	.97	4.71	.97	.25	.06	
1	8 1/2	1.69	1.13	3.75	1.00	2.69	2.38	3.19	6.56	5.94	4.69	3.69	1.06	5.31	1.00	.25	.06	
1 1/8	9 1/2	1.81	1.25	4.25	1.13	2.91	2.69	3.58	7.47	6.78	5.16	4.06	1.25	5.90	1.25	.25	.06	
1 1/4	12	2.03	1.38	4.69	1.25	3.25	3.00	3.94	8.25	7.50	5.75	4.53	1.38	6.51	1.38	.25	.06	
1 3/8	13 1/2	2.25	1.50	5.25	1.38	3.63	3.31	4.38	9.16	8.28	6.38	5.00	1.50	7.21	1.50	.25	.13	
1 1/2	17	2.38	1.63	5.75	1.50	3.88	3.63	4.81	10.00	9.06	6.88	5.38	1.62	7.73	1.62	.25	.13	
1 3/4	25	2.88	2.00	7.00	1.75	5.00	4.19	5.75	12.34	10.97	8.86	6.38	2.25	9.05	2.12	.25	.13	
2	35	3.25	2.25	7.75	2.00	5.75	4.81	6.75	13.68	12.28	9.97	7.25	2.40	10.41	2.00	.25	.13	
2 1/2	55	4.13	2.75	10.50	2.62	7.25	5.69	8.00	17.84	14.84	12.87	9.38	3.13	13.56	2.62	.25	.25	
3	† 85**	5.00	3.25	13.00	3.00	7.88	6.50	8.50	21.50	16.88	14.36	11.00	3.62	16.50	3.50	.25	.25	
3 1/2	† 120**	5.25	3.75	14.63	3.62	9.00	8.00	—	24.63	—	16.50	—	—	4.12	19.00	—	.25	.25
4	† 150**	5.50	4.25	14.50	4.10	10.00	9.00	—	25.69	—	18.42	—	—	4.56	19.75	—	.25	.25

\*Note: Maximum Proof Load is 2.0 times the working load limit. Minimum ultimate strength is 6 times the Working load limit.

\*\*Furnished in Anchor style only.

† Individually Proof Tested with certification and furnished with round head bolts with welded handles.



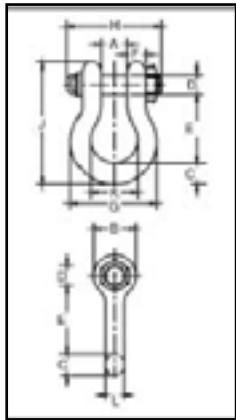
# Shackles

## 30 - 400 Ton Bolt - Type Alloy Anchor Shackles



- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20°C.
- Working Load Limit is permanently shown on every shackle.
- Alloy bows, Alloy bolts.
- Quenched and Tempered.
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Shackles 200 metric tons and larger are provided as follows.
  - Non Destructive Tested.
  - Serialized Pin and Bow.
  - Material Certification (chemical).
  - Certification must be requested at time of order.
- Forged Alloy Steel 30 thru 175 metric tons. Cast Alloy Steel 200 thru 400 metric tons.
- Pins are galvanized and painted red.

G-2140 S-2140



Specifications				
Nominal Shackle Size (in)	Working Load Limit* (t)	Model		2130 Weight Each (lbs)
		G-2140 Galv.	S-2140 S.C.	
1 1/2	30	1021110	1021129	20.8
1 3/4	40	1021138	1021147	33.9
2	55	1021156	1021165	52.0
2 1/2	85	1021174	1021183	96.0
3	120	1021192	—	178.0
3 1/2	† 150	1021218	—	265.0
4	† 175	1021236	—	338.0
4 3/4**	† 200	1021414	—	450.0
5**	† 250	1021432	—	600.0
6**	† 300	1021450	—	775.0
7**	† 400	1021478	—	1,102.0

Green shading reflects rental inventory.

Specifications														
Nominal Shackle Size (in)	Working Load Limit* (t)	Dimensions (in)											Tolerance + / -	
		A	B	C	D	E	F	G	H	J	K	L	A	E
1 1/2	30	2.38	3.62	1.62	1.63	5.75	1.39	6.88	7.75	10.00	3.88	1.54	.13	.25
1 3/4	40	2.88	4.19	2.25	2.00	7.00	1.75	8.86	9.06	12.34	5.00	1.84	.13	.25
2	55	3.25	4.81	2.40	2.25	7.75	2.00	9.97	10.41	13.68	5.75	2.08	.13	.25
2 1/2	85	4.12	5.69	3.12	2.75	10.50	2.62	12.87	13.56	17.84	7.25	2.71	.25	.25
3	120	5.00	6.50	3.62	3.25	13.00	3.00	14.36	16.50	21.50	7.88	3.11	.25	.25
3 1/2	† 150	5.25	8.00	4.12	3.75	14.63	3.75	16.50	19.00	24.62	9.00	3.62	.25	.25
4	† 175	5.50	9.00	4.56	4.25	14.50	4.00	18.42	19.75	25.69	10.00	4.10	.25	.25
4 3/4**	† 200	7.25	10.50	6.00	4.75	15.62	3.75	21.00	20.50	29.25	11.00	4.50	.25	.25
5**	† 250	8.50	12.00	6.50	5.00	20.00	3.88	24.50	21.97	35.00	13.00	4.50	.25	.25
6**	† 300	8.38	12.00	6.75	6.00	19.50	4.75	25.00	24.35	35.25	13.00	5.00	.25	.25
7**	† 400	8.25	14.00	7.25	7.00	22.50	6.50	26.00	27.97	40.25	13.00	6.00	.25	.25

\*Note: Maximum Proof Load is 2.0 times the working load limit. Minimum Ultimate load is 4 times the Working Load limit on 200 thru 400 Metric Tons. For sizes 30 thru 175 Metric Tons, Minimum Ultimate Load is 5.4 times the Working Load Limit.

\*\*Cast Alloy Steel.

† Furnished with Round Head Bolts with welded handle.

Green shading reflects rental inventory.

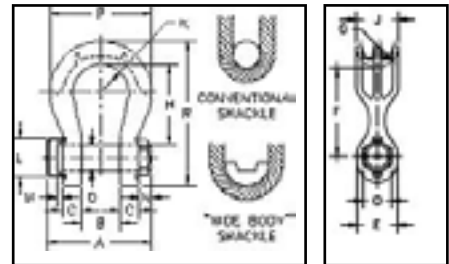
# Shackles

## 30 - 1,000 Ton Wide body shackles



- All sizes Quenched and Tempered for maximum strength.
- Forged alloy steel from 30 through 300 metric tons.
- Cast alloy steel from 400 through 1,000 metric tons.
- Sizes 300 tons and smaller are proof tested to 2 times the Working Load Limit.
- Sizes 400 tons and larger are tested to 1.33 times Working Load Limit.
- All ratings are in metric tons, embossed on side of bow.
- Bows and pins are furnished Dimetcoated. All Pins are Dimetcoated then painted red.
- Greatly improves wearability of wire rope slings.
- Can be used to connect HIGH STRENGTH Synthetic Web Slings, HIGH STRENGTH Synthetic Round Slings or Wire Rope Slings.
- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
- Increases usable sling strength minimum of 15%.
- Pin is non-rotating, with weld on handles for easier use (300t and larger).
- All 2160 shackles are individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Shackles requiring ABS, DNV, Lloyds and other certifications are available upon special request and must be specified at time of order.
- Shackles are produced in accordance with certified lifting appliance requirements.
  - Non Destructive Testing.
  - Serialization / Identification.
  - Material Testing (Physical / Chemical / Charpy).
  - Proof Testing.

G-2160



Specifications													
Working Load Limit (t)*	G-2160 Model	Weight Each (lbs)	Dimensions (in)										
			A	B +/- .25	C	D +/- .02	E	G	H	J	K	P	R
† 30	1021575	25	7.73	2.37	1.38	1.63	3.50	2.50	7.00	3.13	2.50	8.50	11.38
† 40	1021584	35	9.32	2.88	1.75	2.00	4.00	1.75	8.13	3.75	3.00	10.62	13.62
† 55	1021593	71	10.41	3.25	2.00	2.27	4.63	2.00	9.42	4.50	3.50	12.26	15.63
† 75	1021290	99	14.37	4.13	2.12	2.75	5.00	2.55	11.60	4.75	3.64	12.28	18.41
† 125	1021307	161	16.51	5.12	2.56	3.15	5.71	3.15	14.43	5.91	4.33	14.96	22.65
† 200	1021316	500	20.67	5.91	3.35	4.12	7.28	4.33	18.98	8.07	5.41	19.49	29.82
† 300	1021325	811	24.20	7.38	4.00	5.25	9.25	5.47	23.69	10.38	6.31	23.38	37.26
†† 400	1021334	1,041	30.06	8.66	5.16	6.30	11.81	6.30	22.71	12.60	7.28	27.17	38.78
†† 500	1021343	1,378	32.99	9.84	5.59	7.09	12.52	6.69	24.88	13.38	8.86	31.10	42.71
†† 600	1021352	1,833	35.39	10.83	6.04	7.87	13.78	7.28	27.64	14.56	9.74	34.06	47.24
†† 700	1021361	2,446	38.91	11.81	6.59	8.46	14.80	7.87	29.04	15.74	10.63	37.01	50.17
†† 800	1021254	3,016	43.50	12.80	7.19	9.06	15.75	8.27	29.62	16.54	10.92	38.39	52.09
†† 900	1021389	3,436	43.60	13.78	7.78	9.84	16.93	8.66	30.02	17.32	11.51	40.35	54.04
†† 1000	1021370	4,022	45.98	14.96	8.33	10.63	17.72	9.06	30.02	18.12	12.11	43.32	55.32

\*Ultimate Load is 5 times the Working Load Limit.  
 † Forged Alloy Steel. Proof Load is 2 times the Working Load Limit.  
 †† Cast Alloy Steel. Proof Load is 1.33 times the Working Load Limit.  
 Green shading reflects rental inventory.





# Alloy Master Link

## Alloy Master Link Specifications



- Alloy Steel - Quenched and Tempered.
- Individually proof tested to 2 times the Working Load Limit, unless otherwise noted, with certification.
- Proof tested with fixture sized to prevent localized point loading per ASTM A952.
- Proof test certification shipped with each link.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Sizes from 1/2" to 4" are drop forged.

Specifications								
Size "A" (in)	A-342 Model	Working Load Limit (lbs)*	Proof Load (lbs)**	Weight Each (lbs)	Dimensions (in)			
					A	B	C	Deformation Indicator
1/2W	1014266	7,400	17,200	.82	.62	2.80	5.00	3.50
5/8	1014280	9,000	18,000	1.52	.62	3.00	6.00	3.50
3/4W	1014285	12,300	28,400	2.07	.73	3.20	6.00	4.00
7/8W	1014319	15,200	35,200	3.50	.88	3.20	6.38	4.50
1W	1014331	26,000	60,000	4.85	1.10	4.30	7.50	5.50
1-1/4W	1014348	39,100	90,400	9.57	1.33	5.50	9.50	7.00
1-1/2W	1014365	61,100	141,200	16.22	1.61	5.90	10.50	7.50
1-3/4	1014388	84,900	169,800	25.22	1.75	6.00	12.00	7.50
2	1014404	102,600	205,200	37.04	2.00	7.00	14.00	9.00
2-1/4	1014422	143,100	289,200	54.10	2.25	8.00	16.00	10.00
2-1/2	1014468	160,000	320,000	67.75	2.50	8.38	16.00	11.00
2-3/4	1014440	216,900	433,800	87.70	2.75	9.88	18.00	12.50
3	1014486	228,000	456,000	115.00	3.00	9.88	18.00	13.00
3-1/4	1014501	262,200	524,400	145.00	3.25	10.00	20.00	13.50
3-1/2	1014529	279,000	558,000	200.00	3.50	12.00	24.00	13.50
3-3/4	1015051	336,000	672,000	198.00	3.75	10.00	20.00	13.50
4	1015060	373,000	746,000	228.00	4.00	12.00	24.00	16.00
†† 4-1/4	1015067	354,000	708,000	302.00	4.25	12.00	24.00	—
†† 4-1/2	1015079	360,000	720,000	345.00	4.50	14.00	28.00	—
†† 4-3/4	1015088	389,000	778,000	436.00	4.75	14.00	28.00	—
†† 5	1015094	395,000	790,000	516.00	5.00	15.00	30.00	—



A - 342

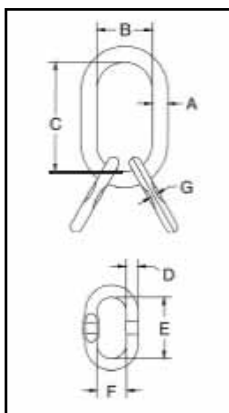
A - 345



\* Minimum Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees.

\*\* Proof test load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs.

†† Welded Master Link



Specifications												
"A" Size (in)	A-345 Model	Working Load Limit (lbs)*	Weight Each (lbs)	Proof Load (lbs)**	Dimensions (in)							Deformations Indicator
					A	B	C	D	E	F	G	
3/4W	1014739	12,300	3.5	28,400	.73	3.20	6.00	.56	3.35	1.77	.30	4.00
7/8W	1014742	15,200	408	35,200	.88	3.75	6.38	.56	3.35	1.77	.30	4.50
1	1014766	26,000	9.3	60,000	1.10	4.30	7.50	.75	3.94	2.36	.33	5.50
1-1/4	1014779	39,100	15.8	90,400	1.33	5.50	9.50	1.00	6.30	3.54	.51	7.00
1-1/2	1014807	61,100	34.1	141,200	1.61	5.90	10.50	1.25	7.09	3.94	.65	7.50
1-3/4	1014814	84,900	46.7	169,800	1.75	6.00	12.00	1.38	8.00	5.00	.73	7.50
2	1014832	102,600	67.2	102,600	2.00	7.00	14.00	1.50	9.00	5.75	—	9.00
2-1/2	1014855	160,000	206	160,000	2.50	8.38	16.00	2.50	16.00	8.38	—	11.00
2-3/4	1014864	216,900	282	216,900	2.75	9.88	18.00	2.75	18.00	9.88	—	12.50
4	1014999	373,000	667	373,000	4.00	12.00	24.00	3.50	24.00	12.00	—	15.50***

\* Minimum Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees.

\*\* Proof test load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs.

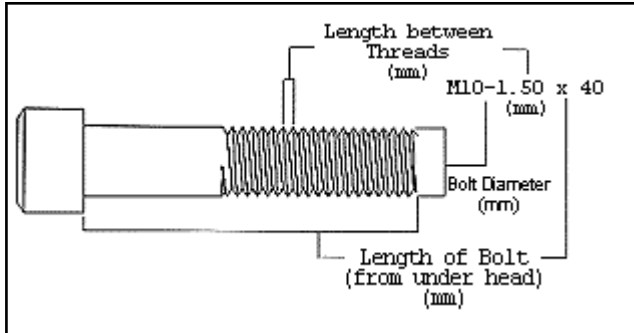
†† Welded Master Link. \*\*\* Sublink only.

# Swivels

## Metric Thread Specifications

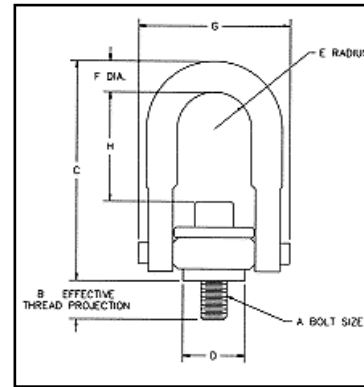
### Top washer has the following features:

- The working Load limit and Recommended Torque value are permanently stamped into each washer.
- Washer is color coded for easy identification silver - metric thread



### Bolt Size Identification

The size of the bolt will be stated as in the following example. Illustration shows meaning of each dimension given.



Specifications												
HR-125M Model	Working Load Limit (kg)		HR-125M Metric Swivel Hoist Rings*			Dimensions (mm)						Est. Weight (kg)
	At a 5:1 Design Factor †	At a 4:1 Design Factor †	Torque** in Nm	Bolt Size †† (mm) (A)	Effective Thread Projection Length (mm) (B)	C	D	Radius E	Diameter F	G	H	
1016602	400	500	10	M 8 x 1.25 x 40	16.9	68.1	25.4	11.8	9.5	42.9	28.2	.19
1016613	450	550	16	M 10 x 1.50 x 40	16.9	68.1	25.4	11.8	9.5	42.9	27.69	.19
1016624	1,050	1,300	38	M 12 x 1.75 x 50	17.2	124.5	50.8	22.3	19.0	82.7	58.17	1.13
1016635	1,900	2,400	81	M 16 x 2.00 x 60	27.2	124.5	50.8	22.3	19.0	82.7	56.13	1.22
1016644	2,150	2,700	136	M 20 x 2.50 x 65	31.2	124.5	50.8	22.3	19.0	82.7	52.07	1.36
1016657	3,000	3,750	136	M 20 x 2.50 x 75	28.1	167.0	76.2	34.7	25.4	120.1	75.69	3.18
1016668	4,200	5,250	312	M 24 x 3.00 x 80	33.1	167.0	76.2	34.7	25.4	120.1	74.93	3.18
1016679	7,000	8,750	637	M 30 x 3.5 x 120	65.1	231.5	101.6	44.5	31.8	152.4	69.34	6.70
1016690	11,000	13,750	1,005	M 36 x 4.00 x 150	60.6	315.3	127.0	57.2	44.5	203.2	124.20	14.95
1016701	12,500	15,600	1,005	M 42 x 4.50 x 160	70.6	315.3	127.0	57.2	44.5	203.2	150.62	16.33
1016712	13,500	16,900	1,350	M 48 x 5.00 x 160	70.6	315.3	127.0	57.2	44.5	203.2	137.92	16.33

\*Design to be used with ferrous work piece only.

\*\*The tightening torque values shown are based upon threads being clean, dry and free of lubrication.

† Individually proof loaded to 2-1/2 times Working Load Limit based on the 4:1 design factor.

†† Bolt specification is a Grade 12.9 Alloy Socket head cap screw to Din 912. All threads are metric (ASME / ANSI B18.3.1m).



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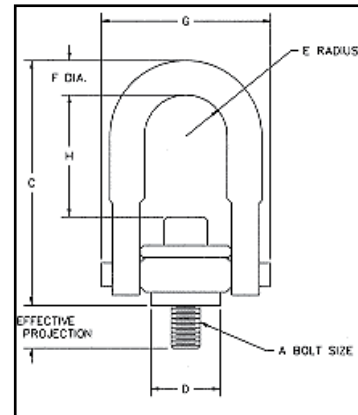
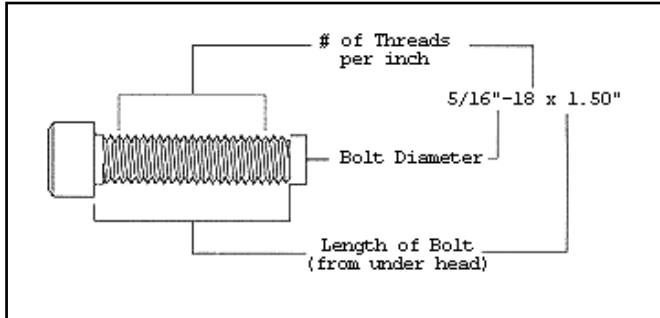
**the Crosby group**

# Swivels

## UNC Thread Specifications

### Top washer has the following features:

- The working Load limit and Recommended Torque value are permanently stamped into each washer.
- Washer is color coded for easy identification Red - UNC thread.



### Bolt Size Identification

The size of the bolt will be stated as in the following example. Illustration shows meaning of each dimension given.

## Specifications

HR-125 Model	Working Load Limit* (lbs)	Torque in Ft. lbs	Dimensions (in)								Est. Weight Each (lbs)
			Bolt Size †† A	Effective Thread Projection Length B	C	D	Radius E	Diameter F	G	H	
1016887 †	800	7	5/16 - 18 x 1.50	.59	2.69	1.00	.46	.38	1.69	1.11	.43
1016898 †	1,000	12	3/8 - 16 x 1.50	.59	2.69	1.00	.46	.38	1.69	1.09	.43
1016909	2,500	28	1/2 - 13 x 2.00	.71	4.82	2.00	.88	.75	3.30	2.29	2.49
1016912 †	2,500	28	1/2 - 13 x 2.50	1.21	4.82	2.00	.88	.75	3.30	2.29	2.52
1016920	4,000	60	5/8 - 11 x 2.00	.71	4.82	2.00	.88	.75	3.30	2.21	2.55
1016924 †	4,000	60	5/8 - 11 x 2.75	1.46	4.82	2.00	.88	.75	3.30	2.21	2.70
1016931	5,000	100	3/4 - 10 x 2.25	.96	4.82	2.00	.88	.75	3.30	2.05	2.65
1016935 †	5,000	100	3/4 - 10 x 2.75	1.46	4.82	2.00	.88	.75	3.30	2.05	3.00
1016942	7,000	100	3/4 - 10 x 2.75	.90	6.55	3.00	1.37	1.00	4.73	2.98	7.00
1016946 †	7,000	100	3/4 - 10 x 3.50	1.65	6.55	3.00	1.37	1.00	4.73	2.98	7.00
1016953	8,000	160	7/8 - 9 x 2.75	.90	6.55	3.00	1.37	1.00	4.73	2.85	7.00
1016957 †	8,000	160	7/8 - 9 x 3.50	1.65	6.55	3.00	1.37	1.00	4.73	2.85	7.00
1016964	10,000	230	1 - 8 x 3.00	1.15	6.55	3.00	1.37	1.00	4.73	2.73	7.50
1016969 †	10,000	230	1 - 8 x 4.00	2.15	6.55	3.00	1.37	1.00	4.73	2.73	7.50
1016975	15,000	470	1 1/4 - 7 x 4.50	2.22	8.70	3.75	1.75	1.25	6.00	3.92	14.79
1016986	24,000	800	1 1/2 - 6 x 6.50	2.98	12.39	4.75	2.25	1.75	8.00	5.64	33.00
1016997	30,000	1,100	2 - 4 1/2 x 6.50	2.98	12.39	4.75	2.25	1.75	8.00	5.14	36.00

\* Ultimate load is 5 times the Working Load Limit.

† Long bolts are designed to be used with soft metal (i.e. aluminum) work piece. While the long bolts may also be used with ferrous metal (i.e., steel & iron) work piece, short bolts are designed for ferrous work pieces only.

†† Bolt specification is a Grade 8 Alloy socket head cap screw to ASTM A 574. All threads listed are UNC - 3A.



# Swivels

Swivel Specifications Equipped with Tapered Roller Thrust Bearings



S-1 Jaw & Hook



S-3 Jaw & Eye



S-5 Eye & Eye



Specifications				
Swivel Number (type)	Model S.C.	Working Load Limit* (metric tons)	Wire Rope Size (in)	Weight Each (lbs)
3-S-1	297011	3	1/2	9.81
3-S-2	297020	3	1/2	9.63
3-S-3	297039	3	1/2	9.12
3-S-4	297048	3	1/2	9.00
3-S-5	297057	3	1/2	8.50
3-S-6	297066	3	1/2	9.32
5-S-1	297217	5	5/8	15.51
5-S-2	297226	5	5/8	13.69
5-S-3	297235	5	5/8	13.50
5-S-4	297244	5	5/8	12.33
5-S-5	297253	5	5/8	11.30
5-S-6	297262	5	5/8	14.24
8 1/2 -S-1	297413	8 1/2	3/4	29.42
8 1/2 -S-2	297422	8 1/2	3/4	26.16
8 1/2 -S-3	297431	8 1/2	3/4	24.90
8 1/2 -S-4	297440	8 1/2	3/4	29.00
8 1/2 -S-5	297459	8 1/2	3/4	29.25
8 1/2 -S-6	297468	8 1/2	3/4	32.00
10-S-1	297618	10	7/8	46.75
10-S-2	297627	10	7/8	45.75
10-S-3	297636	10	7/8	43.50
10-S-4	297645	10	7/8	44.00
10-S-5	297654	10	7/8	42.00
10-S-6	297663	10	7/8	45.50
15-S-1	297814	15	1	73.75
15-S-2	297823	15	1	62.75
15-S-3	297832	15	1	61.00
15-S-4	297841	15	1	61.00
15-S-5	297850	15	1	49.00
15-S-6	297869	15	1	63.00
25-S-1	298118	25	—	140.00
25-S-2	298127	25	—	140.00
25-S-3	298136	25	—	135.00
25-S-4	298145	25	—	135.00
25-S-5	298154	25	—	130.00
25-S-6	298163	25	—	135.00
35-S-1	298216	35	—	220.00
35-S-2	298225	35	—	155.00
35-S-3	298234	35	—	150.00
35-S-4	298243	35	—	150.00
35-S-5	298252	35	—	145.00
35-S-6	298261	35	—	215.00
45-S-1	298314	45	—	251.00
45-S-2	298323	45	—	235.00
45-S-3	298332	45	—	225.00
45-S-4	298341	45	—	225.00
45-S-5	298350	45	—	215.00
45-S-6	298369	45	—	270.00

S-2 Jaw & Jaw



S-4 Eye & Jaw



S-6 Eye & Hook



Green shading reflects rental inventory.  
 Individually Proof tested to 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.  
 \*LGH only Stocks S-2 Jaw & Jaw and S3 Jaw & Eye for rental.



# Swivels

## Swivel Specifications Equipped with Tapered Roller Thrust Bearing

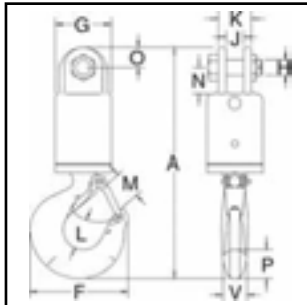
- Designed to swivel under load.
- All swivels individually proof tested with certification.
- All hooks furnished with latches assembled.
- All jaws complete with bolts, nuts and cotter pins.
- Pressure lube fitting provided.
- **NOT TO BE USED ON DEMOLITION (WRECKING) BALLS.**
- Other types and capacities up to 600 tons, available to meet your requirements.

**IMPORTANT** - Crosby Swivels should only be used with the recommended wire rope.

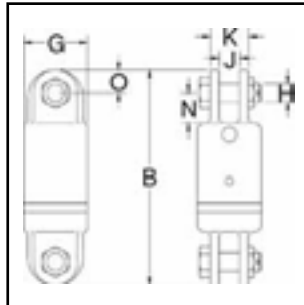
Contact the wire rope manufacturer for the proper wire rope to be used with Crosby Swivels.



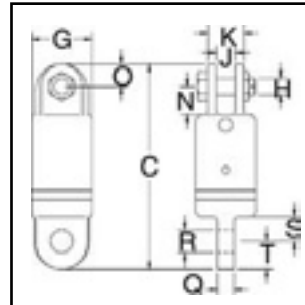
**S-1 Jaw & Hook**



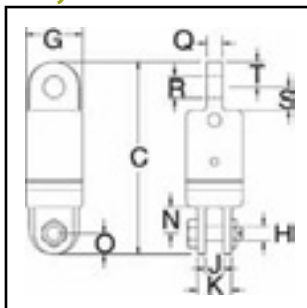
**S-2 Jaw & Jaw**



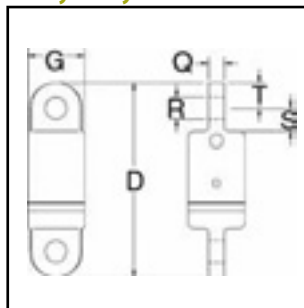
**S-3 Jaw & Eye**



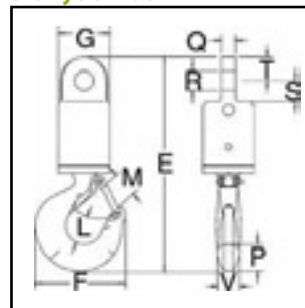
**S-4 Eye & Jaw**



**S-5 Eye & Eye**



**S-6 Eye & Hook**



### Specifications

Working Load Limit* (metric tons)	Dimensions (in)																			
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	O
3	11.44	9.28	9.34	9.41	11.50	4.84	2.75	.75	.88	1.62	1.53	1.41	1.31	1.44	.75	1.03	1.12	1.25	1.13	1.00
5	13.34	10.31	10.06	9.81	13.09	6.28	3.00	.88	1.00	2.25	1.94	1.69	1.62	1.82	1.00	1.28	1.25	1.25	1.44	1.12
8 1/2	16.45	12.62	12.25	11.88	16.07	7.54	4.00	1.00	1.56	2.81	2.46	2.22	2.12	2.26	1.25	1.41	1.62	1.50	1.63	1.38
10	19.75	16.75	16.12	15.50	19.12	8.34	4.50	1.50	1.75	3.38	2.59	2.41	3.50	2.60	1.69	1.69	2.75	1.88	1.94	1.75
15	22.24	17.12	16.75	16.38	21.24	10.34	5.00	1.50	1.75	3.38	2.81	3.19	3.50	3.01	1.94	2.03	2.75	2.12	2.38	1.75
25	26.78	20.75	21.50	22.25	27.53	13.62	6.00	2.00	2.00	4.62	3.44	3.62	3.69	3.66	2.25	2.31	3.88	2.38	3.00	2.38
35	29.94	20.75	21.50	22.25	0.69	14.06	6.50	2.00	2.00	4.62	3.88	3.75	3.69	4.56	2.25	2.31	3.88	2.38	3.19	2.38
45	35.06	25.25	25.88	26.50	35.69	15.44	7.00	2.25	2.25	5.00	4.75	4.25	4.00	5.06	2.50	2.53	4.00	3.00	3.25	3.00

\*Green shading reflects rental inventory

\* Individually Proof tested to 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

\*LGH only Stocks S-2 Jaw & Jaw and S3 Jaw & Eye for rental.

# Swivels

Eye & Eye 3 Ton to 10 Ton Capacities

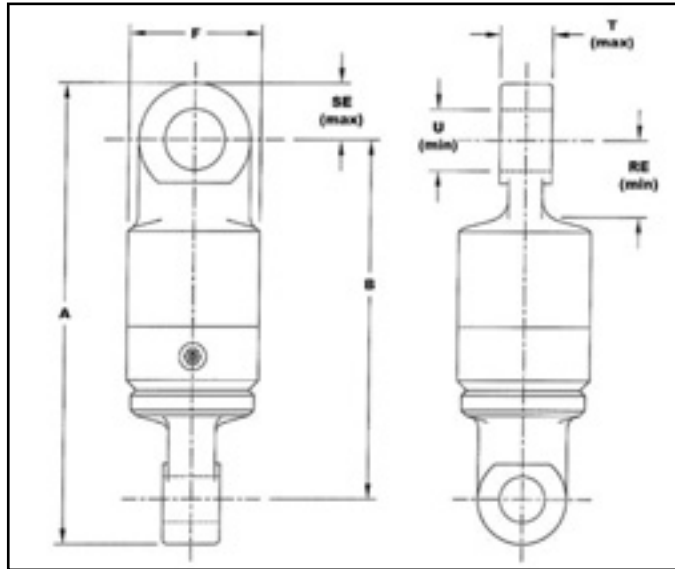
4 to 1 Design Factor

## 30EE Eye & Eye



Specifications								
Model Number	Weight	A Overall Length	B Net Length	F Swivel Diameter	RE Pin to Obstruction	SE Pin to End of Fitting	T Thickness of Eye	U Hole Diameter
Eye & Eye Swivels								
3EEM	7	8	5.625	2.625	1.375	1.187	.875	1.062
4EE	16	11.875	9.375	3.250	1.875	1.375	1	1.312
7EE	16	11.875	9.375	3.250	1.875	1.375	1	1.312
12EE	30	15	11	4	2.750	2	1.250	1.781
19EE	34	15.500	11.500	4.437	2.375	2	1.250	1.781
25EE	44	17.750	13	5.250	2.875	2.375	1.625	2.093
30EE	91	20.125	14.625	6.500	2.750	2.750	1.750	2.312

Green shading reflects rental inventory.



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# Wire Rope Clips

## Wire Rope Clip Specifications

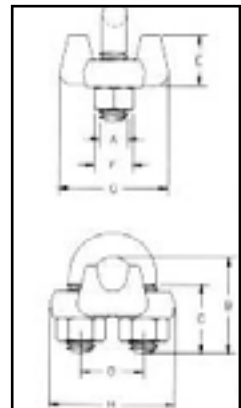


- Each base has a Product Identification Code (PIC) for material traceability, the name CROSBY or “CG”, and a size forged into it.
- Sizes 1/8” through 2 1/2” have forged bases.
- Entire Clip — Galvanized to resist corrosive and rusting action.
- Only Genuine Crosby Clips have a Red U-BOLT for instant recognition.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 1 1/2” have rolled threads.

SS-450



G-450



Specifications											
Rope Size (in)	G-450 Model Galv.	Std. Package Qty.	Weight Per 100 (lbs)	Dimensions (in)							
				A	B	C	D	E	F	G	H
* 1/8	1010015	100	6	.22	.72	.44	.47	.41	.38	.81	.94
* 3/16	1010033	100	10	.25	.97	.56	.59	.50	.44	.94	1.16
1/4	1010051	100	19	.31	1.03	.50	.75	.66	.56	1.19	1.44
5/16	1010079	100	28	.38	1.38	.75	.88	.72	.69	1.31	1.69
3/8	1010097	100	48	.44	1.50	.75	1.00	.91	.75	1.63	1.94
7/16	1010113	50	78	.50	1.88	1.00	1.19	1.03	.88	1.81	2.28
1/2	1010131	50	80	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
9/16	1010159	50	109	.56	2.25	1.25	1.31	1.22	.94	2.06	2.50
5/8	1010177	50	110	.56	2.38	1.25	1.31	1.34	.94	2.06	2.50
3/4	1010195	25	142	.62	2.75	1.44	1.50	1.41	1.06	2.25	2.84
7/8	1010211	25	212	.75	3.12	1.62	1.75	1.59	1.25	2.44	3.16
1	1010239	10	252	.75	3.50	1.81	1.88	1.78	1.25	2.63	3.47
1 1/8	1010257	10	283	.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59
1 1/4	1010275	10	438	.88	4.25	2.13	2.31	2.19	1.44	3.13	4.13
1 3/8	1010293	10	442	.88	4.63	2.31	2.38	2.31	1.44	3.13	4.19
1 1/2	1010319	10	544	.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44
1 5/8	1010337	Bulk	704	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75
1 3/4	1010355	Bulk	934	1.13	5.75	2.75	3.06	2.94	1.81	3.81	5.28
2	1010373	Bulk	1,300	1.25	6.44	3.00	3.38	3.28	2.00	4.44	5.88
2 1/4	1010391	Bulk	1,600	1.25	7.13	3.19	3.88	3.19	2.00	4.50	6.38
2 1/2	1010417	Bulk	1,900	1.25	7.69	3.44	4.13	3.69	2.00	4.05	6.63
† 2 3/4	1010435	Bulk	2,300	1.25	8.31	3.56	4.38	4.88	2.00	5.00	6.88
3	1010453	Bulk	3,100	1.50	9.19	3.88	4.75	4.69	2.38	5.88	7.63
† 3 1/2	1010426	Bulk	4,000	1.50	10.75	4.50	5.50	6.00	2.38	6.19	8.38

### The SS-450 “316” Stainless Steel Wire Rope Clips

- Each base has a Product Identification Code (PIC) for material traceability, the name CROSBY or “CG” and a size forged into it.
- Available in sizes 1/8 through 5/8”.
- Entire clip is made from 316 Stainless Steel to resist corrosive and rusting action.
- All components are Electro - Polished.
- All Clips are individually bagged or tagged with proper application instructions and warning information.

Specifications										
Rope Size	SS-450 Stock No.	Weight Per 100 (lbs)	Dimensions (in)							
			A	B	C	D	E	F	G	H
1/8	1011250	6	.22	.72	.44	.47	.41	.38	.81	.94
3/16	1011261	10	.25	.97	.56	.59	.50	.44	.94	1.16
1/4	1011272	20	.31	1.03	.50	.75	.66	.56	1.19	1.44
3/8	1011283	47	.44	1.50	.75	1.00	.91	.75	1.63	1.94
1/2	1011305	77	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
5/8	1011327	106	.56	2.38	1.25	1.31	1.34	.94	2.06	2.50

# Turnbuckles

## Eye & Eye Turnbuckles

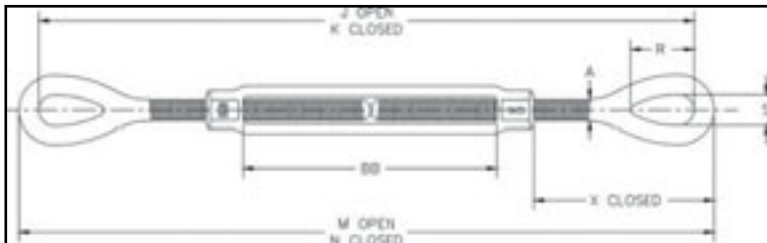


- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Hot dip galvanized steel.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckles sizes 1/4" through 2-1/2", a shackle one size smaller can be reeved through the eye.

### HG-226 Jaw & Jaw

Specifications												
Thread Diameter & Take Up (in.)	Model Number	Working Load Limit (lbs.)	Weight Each (lbs.)	Dimensions (in.)								
				A	J (open)	K (closed)	M (open)	N (closed)	R	S	X (closed)	BB
† 1/4 x 4	1031252	500	.29	.25	11.94	7.94	12.38	8.38	.81	.34	1.76	4.07
† 5/16 x 4-1/12	1031270	800	.48	.31	13.92	9.42	14.48	9.98	.95	.44	2.20	4.58
† 3/8 x 6	1031298	1,200	.75	.38	17.56	11.56	18.24	12.24	1.13	.53	2.48	6.10
1/2 x 6	1031314	2,200	1.72	.50	19.94	13.94	20.82	14.82	1.41	.71	3.56	6.03
1/2 x 12	1031350	2,200	2.63	.50	32.23	20.23	33.11	21.11	1.41	.71	3.54	12.36
5/8 x 6	1031378	3,500	2.75	.63	21.72	15.72	22.72	16.72	1.80	.88	4.35	6.03
5/8 x 12	1031412	3,500	4.12	.63	34.06	22.06	35.06	23.06	1.80	.88	4.34	12.39
3/4 x 6	1031430	5,200	4.22	.75	23.24	17.24	24.50	18.50	2.09	1.00	5.12	6.13
3/4 x 12	1031476	5,200	6.12	.75	35.64	23.64	36.90	24.90	2.09	1.00	5.09	12.59
3/4 x 18	1031494	5,200	7.83	.75	47.64	29.64	48.90	30.90	2.09	1.00	5.12	18.53
7/8 x 12	1031519	7,200	8.83	.88	36.70	24.70	38.20	26.20	2.38	1.25	5.79	12.16
7/8 x 18	1031537	7,200	11.50	.88	49.17	31.17	50.67	32.67	2.38	1.25	5.79	18.63
1 x 6	1031555	10,000	9.62	1.00	26.24	20.24	28.00	22.00	3.00	1.43	6.50	6.18
1 x 12	1031573	10,000	13.00	1.00	38.24	26.24	40.00	28.00	3.00	1.43	6.50	12.18
1 x 18	1031591	10,000	16.30	1.00	50.24	32.24	52.00	34.00	3.00	1.43	6.50	18.18
1 x 24	1031617	10,000	20.20	1.00	62.84	38.84	64.60	40.60	3.00	1.43	6.47	24.84
1-1/4 x 12	1031635	15,200	19.90	1.25	42.14	30.14	44.38	32.38	3.59	1.82	8.49	12.06
1-1/4 x 18	1031653	15,200	23.80	1.25	54.14	36.14	56.38	38.38	3.59	1.82	8.49	18.06
1-1/4 x 24	1031671	15,200	27.80	1.25	66.70	42.70	68.94	44.94	3.59	1.82	8.49	24.62
1-1/2 x 12	1031699	21,400	28.70	1.50	44.24	32.24	46.74	34.74	4.09	2.12	9.46	12.32
1-1/2 x 18	1031715	21,400	34.10	1.50	56.24	38.24	58.74	40.74	4.09	2.12	9.46	18.32
1-1/2 x 24	1031733	21,400	39.60	1.50	68.86	44.86	71.36	47.36	4.09	2.12	9.46	24.94
1-3/4 x 18	1031779	28,000	50.70	1.75	57.38	39.38	60.38	42.38	4.65	2.38	9.97	18.37
1-3/4 x 24	1031797	28,000	58.20	1.75	69.38	45.38	72.38	48.38	4.65	2.38	9.97	24.37
2 x 24	1031819	37,000	83.50	2.00	75.68	51.68	79.18	55.18	5.81	2.69	13.03	24.48
2-1/2 x 24	1031831	60,000	149.00	2.50	79.18	55.18	83.18	59.18	6.49	3.12	13.76	24.60
2-3/4 x 24	1031859	75,000	174.00	2.75	81.34	57.34	85.84	61.84	7.00	3.25	15.09	24.65

\* Proof load is 2.5 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit  
 † Mechanical Galvanized  
 Green shading reflects rental inventory.



Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 4, and ASTM F-1145, except for those provisions required of the contractor.





# Turnbuckles

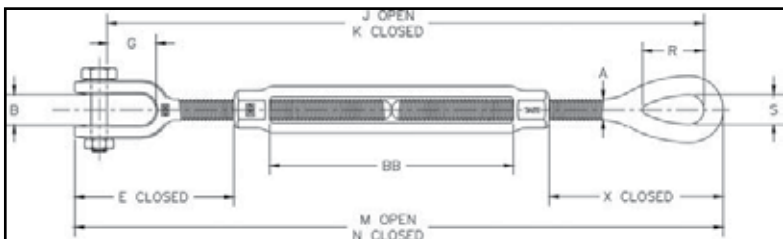
## Jaw & Eye Turnbuckles

- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Hot dip galvanized steel.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckles sizes 1/4" through 2-1/2", a shackle one size smaller can be reeved through the eye.
- Forged jaw ends are fitted with bolts and nuts for 1/4" through 5/8" and pins and cotters on 3/4" through 2-3/4" sizes

### HG-227 Jaw & Eye

Specifications															
Thread Diameter & Take Up (in.)	Model Number	Working Load Limit (lbs.)	Weight Each (lbs.)	Dimensions (in.)											
				A	B	E (closed)	G	J (open)	K (closed)	M (open)	N (closed)	R	S	X (closed)	BB
† 1/4 x 4	1031877	500	.33	.25	.45	1.66	.64	11.57	7.57	12.28	8.28	.81	.34	1.76	4.07
† 5/16 x 4-1/12	1031895	800	.52	.31	.50	2.02	.87	13.50	9.00	14.30	9.80	.95	.44	2.20	4.58
† 3/8 x 6	1031911	1,200	.80	.38	.53	2.11	.85	16.91	10.91	17.87	11.87	1.13	.53	2.48	6.10
1/2 x 6	1031939	2,200	1.77	.50	.64	3.22	1.07	19.30	13.30	20.48	14.48	1.41	.71	3.56	6.03
1/2 x 9	1031957	2,200	2.25	.50	.64	3.20	1.07	25.59	16.59	26.77	17.77	1.41	.71	3.54	9.36
1/2 x 12	1031975	2,200	2.67	.50	.64	3.20	1.07	31.59	19.59	32.77	20.77	1.41	.71	3.54	12.36
5/8 x 6	1031993	3,500	2.98	.63	.79	3.90	1.32	20.73	14.73	22.27	16.27	1.80	.88	4.35	6.03
5/8 x 9	1032019	3,500	3.72	.63	.79	3.89	1.32	27.07	18.07	28.61	19.61	1.80	.88	4.34	9.39
5/8 x 12	1032037	3,500	4.35	.63	.79	3.89	1.32	33.07	21.07	34.61	22.61	1.80	.88	4.34	12.39
3/4 x 6	1032055	5,200	4.51	.75	.97	4.71	1.52	22.17	16.17	24.09	18.09	2.09	1.00	5.12	6.13
3/4 x 9	1032073	5,200	5.56	.75	.97	4.68	1.52	28.57	19.57	30.49	21.49	2.09	1.00	5.09	9.59
3/4 x 12	1032091	5,200	6.42	.75	.97	4.68	1.52	34.57	22.57	36.49	24.49	2.09	1.00	5.09	12.59
3/4 x 18	1032117	5,200	8.14	.75	.97	4.71	1.52	46.57	28.57	48.49	30.49	2.09	1.00	5.12	18.53
7/8 x 12	1032135	7,200	9.10	.88	1.16	5.50	1.77	35.68	23.68	37.91	25.91	2.38	1.25	5.79	12.16
7/8 x 18	1032153	7,200	11.60	.88	1.16	5.50	1.77	48.15	30.15	50.38	32.38	2.38	1.25	5.79	18.63
1 x 6	1032171	10,000	10.00	1.00	1.34	6.09	2.05	25.03	19.03	27.59	21.59	3.00	1.43	6.50	6.18
1 x 12	1032199	10,000	13.40	1.00	1.34	6.09	2.05	37.03	25.03	39.59	27.59	3.00	1.43	6.50	12.18
1 x 18	1032215	10,000	16.70	1.00	1.34	6.09	2.05	49.03	31.03	51.59	33.59	3.00	1.43	6.50	18.18
1 x 24	1032233	10,000	20.60	1.00	1.34	6.06	2.05	61.63	37.63	64.19	40.19	3.00	1.43	6.47	24.84
1-1/4 x 12	1032251	15,200	20.90	1.25	1.84	8.09	2.82	40.76	28.76	43.98	31.98	3.59	1.82	8.49	12.06
1-1/4 x 18	1032279	15,200	24.80	1.25	1.84	8.09	2.82	52.76	34.76	55.98	37.98	3.59	1.82	8.49	18.06
1-1/4 x 24	1032297	15,200	28.80	1.25	1.84	8.09	2.82	65.32	41.32	68.54	44.54	3.59	1.82	8.49	24.62
1-1/2 x 12	1032313	21,400	30.60	1.50	2.06	8.93	2.81	42.50	30.50	46.21	34.21	4.09	2.12	9.46	12.32
1-1/2 x 18	1032331	21,400	36.00	1.50	2.06	8.93	2.81	54.50	36.50	58.21	40.21	4.09	2.12	9.46	18.32
1-1/2 x 24	1032359	21,400	41.50	1.50	2.06	8.93	2.81	67.12	43.12	70.83	46.83	4.09	2.12	9.46	24.94
1-3/4 x 18	1032395	28,000	52.10	1.75	2.60	9.39	3.35	55.37	37.37	59.77	41.77	4.65	2.38	9.97	18.37
1-3/4 x 24	1032411	28,000	59.70	1.75	2.60	9.36	3.35	67.37	43.37	71.77	47.77	4.65	2.38	9.97	24.37
2 x 24	1032439	37,000	89.90	2.00	2.62	11.80	3.74	72.66	48.66	77.95	53.95	5.81	2.69	13.03	24.48
2-1/2 x 24	1032457	60,000	158.00	2.50	3.06	13.26	4.44	76.08	52.08	82.68	58.68	6.49	3.12	13.76	24.60
2-3/4 x 24	1032475	75,000	187.00	2.75	3.69	14.92	4.19	78.05	54.05	85.67	61.67	7.00	3.25	15.09	24.65

\* Proof load is 2.5 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit  
 † Mechanical Galvanized  
 Green shading reflects rental inventory.



Meets the performance requirements of Federal Specifications FF-T-791 b, Type 1, Form 1 - Class 4, and ASTM F-1145, except for those provisions required of the contractor.



the Crosby group



# Turnbuckles

## Jaw & Jaw Turnbuckles

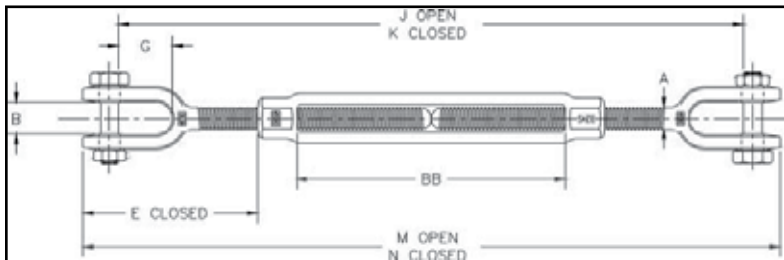


- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Hot dip galvanized steel.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckles sizes 1/4" through 2-1/2", a shackle one size smaller can be reeved through the eye.
- Forged jaw ends are fitted with bolts and nuts for 1/4" through 5/8" and pins and cotters on 3/4" through 2-3/4" sizes

### HG-228 Jaw & Jaw

Specifications												
Thread Diameter & Take Up (in.)	Model Number	Working Load Limit (lbs.)	Weight Each (lbs.)	Dimensions (in.)								
				A	B	E (closed)	G	J (open)	K (closed)	M (open)	N (closed)	BB
† 1/4 x 4	1032493	500	.37	.25	.45	1.66	.64	11.19	7.19	12.18	8.18	4.07
† 5/16 x 4-1/12	1032518	800	.56	.31	.50	2.02	.87	13.07	8.57	14.12	9.62	4.58
† 3/8 x 6	1032536	1,200	.85	.38	.53	2.11	.85	16.25	10.25	17.50	11.50	6.10
1/2 x 6	1032554	2,200	1.82	.50	.64	3.22	1.07	18.65	12.65	20.14	14.14	6.03
1/2 x 9	1032572	2,200	2.29	.50	.64	3.20	1.07	24.94	15.94	26.43	17.43	9.36
1/2 x 12	1032590	2,200	2.71	.50	.64	3.20	1.07	30.94	18.94	32.43	20.43	12.36
5/8 x 6	1032616	3,500	3.21	.63	.79	3.90	1.32	19.74	13.74	21.82	15.82	6.03
5/8 x 9	1032634	3,500	3.95	.63	.79	3.89	1.32	26.08	17.08	28.16	19.16	9.39
5/8 x 12	1032652	3,500	4.58	.63	.79	3.89	1.32	32.08	20.08	34.16	22.16	12.39
3/4 x 6	1032670	5,200	4.80	.75	.97	4.71	1.52	21.09	15.09	23.68	17.68	6.13
3/4 x 9	1032698	5,200	5.85	.75	.97	4.68	1.52	27.49	18.49	30.08	21.08	9.59
3/4 x 12	1032714	5,200	6.72	.75	.97	4.68	1.52	33.49	21.49	36.08	24.08	12.59
3/4 x 18	1032732	5,200	8.45	.75	.97	4.71	1.52	45.49	27.49	48.08	30.08	18.53
7/8 x 12	1032750	7,200	9.37	.88	1.16	5.50	1.77	34.65	22.65	37.62	25.62	12.16
7/8 x 18	1032778	7,200	11.80	.88	1.16	5.50	1.77	47.12	29.12	50.09	32.09	18.63
1 x 6	1032796	10,000	10.40	1.00	1.34	6.09	2.05	23.82	17.82	27.18	21.18	6.18
1 x 12	1032812	10,000	13.80	1.00	1.34	6.09	2.05	35.82	23.82	39.18	27.18	12.18
1 x 18	1032830	10,000	17.10	1.00	1.34	6.09	2.05	47.82	29.82	51.18	33.18	18.18
1 x 24	1032858	10,000	21.00	1.00	1.34	6.06	2.05	60.42	36.42	63.78	39.78	24.84
1-1/4 x 12	1032876	15,200	21.90	1.25	1.84	8.09	2.82	39.37	27.37	43.58	31.58	12.06
1-1/4 x 18	1032894	15,200	25.90	1.25	1.84	8.09	2.82	51.37	33.37	55.58	37.58	18.06
1-1/4 x 24	1032910	15,200	29.80	1.25	1.84	8.09	2.82	63.93	39.93	68.14	44.14	24.62
1-1/2 x 12	1032938	21,400	32.60	1.50	2.06	8.93	2.81	40.76	28.76	45.68	33.68	12.32
1-1/2 x 18	1032956	21,400	38.00	1.50	2.06	8.93	2.81	52.76	34.76	57.68	39.68	18.32
1-1/2 x 24	1032974	21,400	43.50	1.50	2.06	8.93	2.81	65.38	41.38	70.30	46.30	24.94
1-3/4 x 18	1033018	28,000	53.50	1.75	2.60	9.36	3.35	53.35	35.35	59.16	41.16	18.37
1-3/4 x 24	1033036	28,000	61.10	1.75	2.60	9.36	3.35	65.35	41.35	71.16	47.16	24.37
2 x 24	1033054	37,000	96.30	2.00	2.62	11.80	3.74	69.64	45.64	76.72	52.72	24.48
2-1/2 x 24	1033072	60,000	167.00	2.50	3.06	13.26	4.44	72.97	48.97	82.18	58.18	24.60
2-3/4 x 24	1033090	75,000	199.00	2.75	3.69	14.92	4.19	74.75	50.75	85.50	61.50	24.65

\* Proof load is 2.5 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit  
 † Mechanical Galvanized  
 Green shading reflects rental inventory.



Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 4, and ASTM F-1145, except for those provisions required of the contractor.



# Modular Spreader Beams

## Available to Rent from Lifting Gear Hire Corporation

The Modular Spreader Beam System, available to rent from LGH is a range of beams that offer a modular span capability with a wide range of loading capacities.

Unlike fixed length spreader beams, the flexibility of the Modular Spreader Beam System means that even the most awkward loads can be accommodated. Using a range of different components together means an almost infinite number of configurations are possible to suit virtually any lifting scenario.

Designed for easy one-man assembly, the Modular Spreader Beam System is both portable and lightweight. Most of the beams and end units within the system can be easily manually handled on site without the need for lifting equipment, reducing both the time needed for set-up, and expensive crane time. The majority of the Modular Spreader Beam System components are light enough to be transported in a small van or pick-up, helping to cut transportation costs.

## Versatility

The Modular Spreader Beam System offers almost limitless versatility with spreaders ranging from 3 feet to 100 foot long in increments of 1 to 2 feet depending on which size spreader is used. The capacities range from 9 tons at a 20 foot span using Mod 24 spreaders, up to 250 tons at 100 feet using our new Mod 1000 spreaders. Accessories for the system are available including corner units for square and rectangular frames.

Benefits of Renting a Modular Spreader Beam from LGH
Lightweight portable design
Quick and easy assemble/dismantle
In most cases – a one man operation
Easily transported
Flexible configurations to meet a variety of demands
Uses conventional shackles and accessories
Reduced labor costs
Reduced downtime
Reduced crane time and associated rental costs
Reduced transportation costs
No need to invest, store and maintain large numbers of fixed spreaders – one system will do it all.
No specialist accessories required.

Strut



Drop Link



End Unit Sub-Assy



# Modular Spreader Beams

## Modular 24 - Beam Specifications



- Rated at 24 ton WLL at 11 ft. span. See Load Table for WLL at spans greater than 11 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 12 tons (24 tons combined capacity).
- Bolt tightening torque: 110 pound-foot.

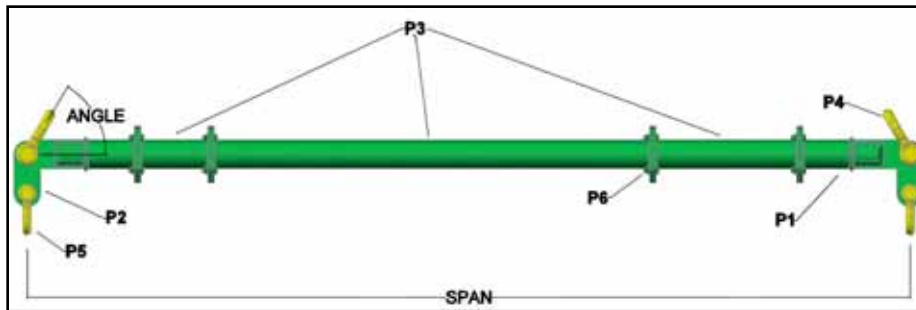
Table 1: Component List		
Part Ref:	Description	Item Weight lbs.
P1	End Unit (1 1/2 ft.)	35
P2	Drop Link	9
P3	6 ft. Strut	80
P3	4 ft. Strut	55.5
P3	2 ft. Strut	37
P3	1 ft. Strut	26
P4	17t Shackle	17.5
P5	12t Shackle	11
P6	M20x50 HT Bolts, Nuts & Washers	

- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader

Table 2: Load v. Span									
45° BSA			Recommended Configuration EU – End Unit (1 1/2 ft.)						Beam Weight (lbs.)
Span (ft.)	WLL (tons)	Min. Sling Length (ft.)	EU	EU	—	—	—	—	
3	24	2 1/4	EU	EU	—	—	—	—	154
4	24	3	EU	1	EU	—	—	—	183
5	24	3 3/4	EU	2	EU	—	—	—	194
6	24	4 1/2	EU	2	1	EU	—	—	223
7	24	5	EU	4	EU	—	—	—	216
8	24	5 3/4	EU	4	1	EU	—	—	245
9	24	6 1/2	EU	6	EU	—	—	—	238
10	24	7 1/4	EU	6	1	EU	—	—	267
11	24	8	EU	6	2	EU	—	—	278
12	22	8 1/2	EU	2	6	1	EU	—	307
13	20	9 1/4	EU	4	6	EU	—	—	300
14	18	10	EU	4	6	1	EU	—	329
15	15	10 3/4	EU	6	6	EU	—	—	322
16	13	11 1/2	EU	6	6	1	EU	—	351
17	12	12	EU	6	6	2	EU	—	362
18	11	12 3/4	EU	1	6	6	2	EU	391
19	10	13 1/2	EU	6	6	4	EU	—	384
20	9	14 1/4	EU	1	6	6	4	EU	413

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 50 - Beam Specifications

- Rated at 50 ton WLL at 20 ft. span. See Load Table for WLL at spans greater than 20 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 25 tons (50 tons combined capacity).
- Bolt tightening torque: 110 pound-foot.

**Table 1: Component List**

Part Ref:	Description	Item Weight lbs.
P1	End Unit (1 1/2 ft.)	84
P2	Drop Link	24
P3	12 ft. Strut	285
P3	6 ft. Strut	168
P3	3 ft. Strut	109
P3	2 ft. Strut	89,5
P3	1 ft. Strut	70
P4	35t Shackle	42
P5	35t Shackle	42
P6	M20x65 HT Bolts, Nuts & Washers	

- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader

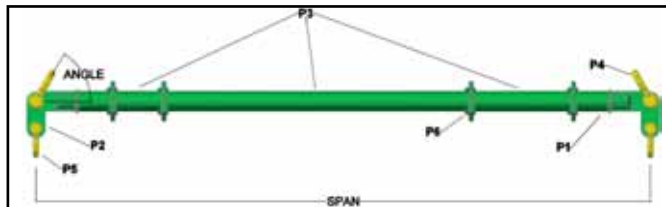


**Table 2: Load v. Span**

45° BSA			Recommended Configuration EU – End Unit (1 1/2 ft.)						Beam Weight (lbs.)
Span (ft.)	WLL (tons)	Min. Sling Length (ft.)	EU	EU	—	—	—	—	
3	50	2 1/4	EU	EU	—	—	—	—	428
4	50	3	EU	1	EU	—	—	—	501
5	50	3 3/4	EU	2	EU	—	—	—	521
6	50	4 1/2	EU	3	EU	—	—	—	538
7	50	5	EU	3	1	EU	—	—	611
8	50	5 3/4	EU	3	2	EU	—	—	631
9	50	6 1/2	EU	6	EU	—	—	—	598
10	50	7 1/4	EU	6	1	EU	—	—	671
11	50	8	EU	6	2	EU	—	—	693
12	50	8 1/2	EU	6	3	EU	—	—	708
13	50	9 1/4	EU	3	6	1	EU	—	781
14	50	10	EU	3	6	2	EU	—	801
15	50	10 3/4	EU	12	EU	—	—	—	715
16	50	11 1/2	EU	12	1	EU	—	—	788
17	50	12	EU	12	2	EU	—	—	808
18	50	12 3/4	EU	12	3	EU	—	—	825
19	50	13 1/2	EU	3	12	1	EU	—	898
20	50	14 1/4	EU	3	12	2	EU	—	918
21	47	15	EU	6	12	EU	—	—	885
22	43	15 3/4	EU	6	12	1	EU	—	958
23	38	16 1/4	EU	6	12	2	EU	—	978
24	34	17	EU	6	12	3	EU	—	995
25	32	17 3/4	EU	6	12	3	1	EU	1,068
26	30	18 1/2	EU	6	12	3	2	EU	1,088
27	27	19	EU	12	12	EU	—	—	1,002
28	25	20	EU	12	12	1	EU	—	1,075
29	23	20 1/2	EU	12	12	2	EU	—	1,095
30	21	21 1/4	EU	12	12	3	EU	—	1,112
31	19	22	EU	3	12	12	1	EU	1,185
32	18	22 3/4	EU	3	12	12	2	EU	1,205
33	16	23 1/2	EU	6	12	12	EU	—	1,172
34	15	24 1/4	EU	6	12	12	1	EU	1,245
35	14	25	EU	6	12	12	2	EU	1,265
36	12	25 1/2	EU	6	12	12	3	EU	1,282

Green shading reflects rental inventory.  
• Beam weights calculated without top rigging

**Typical Spreader Assembly**



# Modular Spreader Beams

## Modular 110 - Beam Specifications

- Rated at 110 ton WLL at 24 ft. span. See Load Table for WLL at spans greater than 24 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 55 tons (110 tons combined capacity).
- Bolt tightening torque: 110 pound-foot.

Table 1: Component List		
Part Ref:	Description	Item Weight lbs.
P1	End Unit (3 ft.)	392
P2	Drop Link	99
P3	20 ft. Strut	1,170
P3	10 ft. Strut	650
P3	8 ft. Strut	540
P3	6 ft. Strut	440
P3	4 ft. Strut	345
P3	2 ft. Strut	230
P3	1ft. Strut	185
P4	85t Shackle	137
P5	55t Shackle	84
P6	M20x65 HT Bolts, Nuts & Washers	

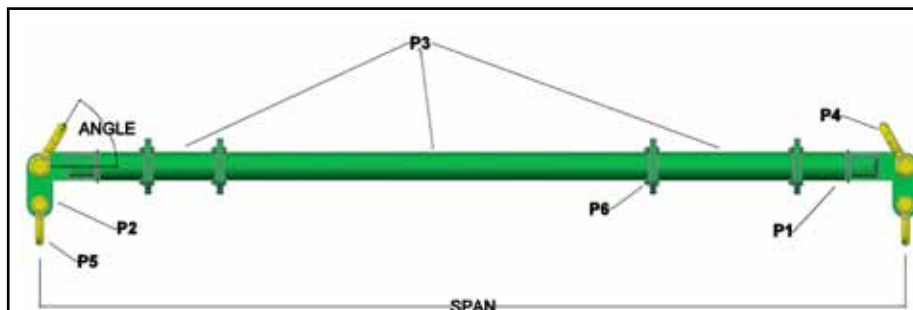
- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader



Table 2: Load v. Span								
45° BSA			Recommended Configuration EU – End Unit (3 ft.)					Beam Weight (lbs.)
Span* (ft.)	WLL (tons)	Min. Sling Length (ft.)	EU	EU	EU	EU	EU	
6	110	4 1/2	EU	EU	—	—	—	1,436
8	110	5 3/4	EU	2	EU	—	—	1,666
10	110	7 1/4	EU	4	EU	—	—	1,781
12	110	8 1/2	EU	6	EU	—	—	1,876
14	110	10	EU	8	EU	—	—	1,976
16	110	11 1/2	EU	10	EU	—	—	2,086
18	110	12 3/4	EU	10	2	EU	—	2,316
20	110	14 1/4	EU	10	4	EU	—	2,431
22	110	15 3/4	EU	10	6	EU	—	2,526
24	110	17	EU	10	8	EU	—	2,626
26	109	18 1/2	EU	20	EU	—	—	2,606
28	103	20	EU	20	2	EU	—	2,836
30	96	21 1/4	EU	20	4	EU	—	2,951
32	89	22 3/4	EU	20	6	EU	—	3,046
34	82	24 1/4	EU	20	8	EU	—	3,146
36	75	25 1/2	EU	20	10	EU	—	3,256
38	67	27	EU	2	20	10	EU	3,486
40	61	28 1/4	EU	4	20	10	EU	3,601
42	55	30	EU	6	20	10	EU	3,696
44	51	31 1/4	EU	8	20	10	EU	3,796
46	47	32 1/2	EU	20	20	EU	—	3,776
48	42	34	EU	20	20	2	EU	4,006
50	37	35 1/2	EU	20	20	4	EU	4,121
52	34	36 3/4	EU	20	20	6	EU	4,216

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 110H - Beam Specifications

- Rated at 170 ton WLL at 28 ft. span. See Load Table for WLL at spans greater than 28 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 85 tons (170 tons combined capacity).
- Bolt tightening torque: 110 pound-foot.

Table 1: Component List		
Part Ref:	Description	Item Weight lbs.
P1	End Unit (3 ft.)	392
P2	Drop Link	121
P3	20 ft. Strut	1,170
P3	10 ft. Strut	650
P3	8 ft. Strut	540
P3	6 ft. Strut	440
P3	4 ft. Strut	345
P3	2 ft. Strut	230
P3	1 ft. Strut	185
P4	120t Shackle	243
P5	85t Shackle	137
P6	M20x65 HT Bolts, Nuts & Washers	

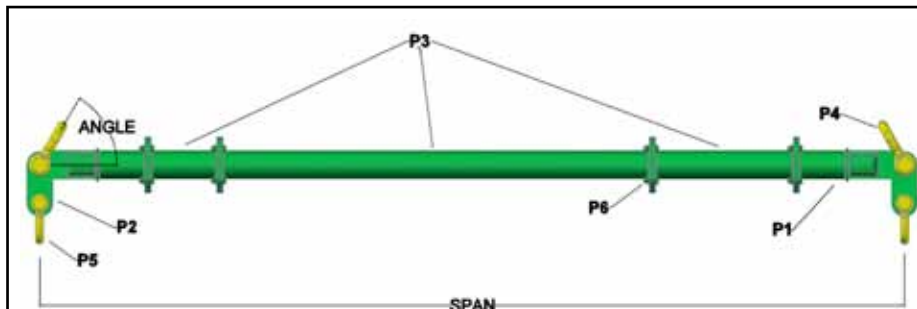
- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader



Table 2: Load v. Span								
60° BSA			Recommended Configuration					Beam Weight (lbs.)
Span* (ft.)	WLL (tons)	Min. Sling Length (ft.)	EU – End Unit (3 ft.)					
6	170	6	EU	EU	—	—	—	1,914
8	170	8	EU	2	EU	—	—	2,144
10	170	10	EU	4	EU	—	—	2,259
12	170	12	EU	6	EU	—	—	2,354
14	170	14	EU	8	EU	—	—	2,454
16	170	16	EU	10	EU	—	—	2,565
18	170	18	EU	10	2	EU	—	2,794
20	170	20	EU	10	4	EU	—	2,909
22	170	22	EU	10	6	EU	—	3,004
24	170	24	EU	10	8	EU	—	3,104
26	170	26	EU	20	EU	—	—	3,084
28	170	28	EU	20	2	EU	—	3,314
30	166	30	EU	20	4	EU	—	3,429
32	154	32	EU	20	6	EU	—	3,524
34	141	34	EU	20	8	EU	—	3,624
36	130	36	EU	20	10	EU	—	3,734
38	116	38	EU	2	20	10	EU	3,964
40	106	40	EU	4	20	10	EU	4,079
42	95	42	EU	6	20	10	EU	4,174
44	88	44	EU	8	20	10	EU	4,274
46	81	46	EU	20	20	EU	—	4,254
48	73	48	EU	20	20	2	EU	4,484
50	64	50	EU	20	20	4	EU	4,599
52	59	52	EU	20	20	6	EU	4,694

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 400/110 - Beam Specifications

- Rated at 110 ton WLL at 76 ft. span.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 55 tons (110 tons combined capacity).
- Bolt tightening torque: 184 pound-foot (M24); 110 pound-foot (M20)

Table 1: Component List	
Part Ref:	Description
P1	Mod 110 End Unit (55 metric tons)
P2	Mod 110 Drop Link (55 metric tons)
P3	20 ft. Strut
P4	10 ft. Strut
P5	5 ft. Strut
P6	4 ft. Strut
P7	3 ft. Strut
P8	2 ft. Strut
P9	1 ft. Strut
P10	Mod 400/110 Cone Adaptor
P11	85t Bolt Shackle
P12	55t Bolt Shackle
P13	Mod 400: M24x90 Bolts, Nuts & Washers Mod 110: M20x65 Bolts, Nuts & Washers

- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader



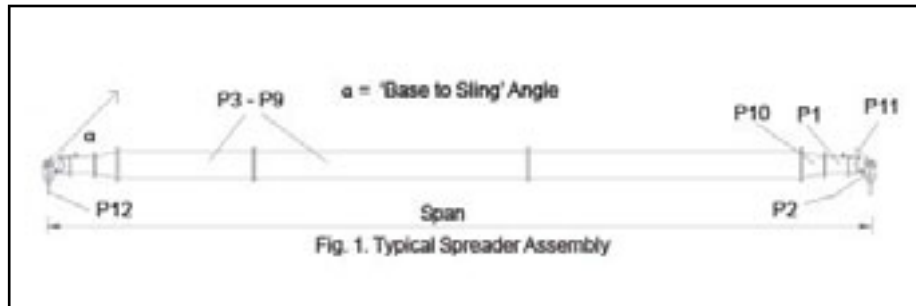
Table 2: Load v. Span														
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration								Beam Weight (lbs.)	
					EU – End Unit (3 ft.)				CA- Cone Adaptor (2 ft.)					
6	110	4.25	110	6	EU	EU	—	—	—	—	—	—	1,436	
10	110	7.25	110	10	EU	CA	CA	EU	—	—	—	—	2,252	
12	110	8.5	110	12	EU	CA	2	CA	EU	—	—	—	2,968	
14	110	10	110	14	EU	CA	4	CA	EU	—	—	—	3,132	
16	110	11.5	110	16	EU	CA	5	1	CA	EU	—	—	3,931	
18	110	12.75	110	18	EU	CA	5	3	CA	EU	—	—	4,178	
20	110	14.25	110	20	EU	CA	10	CA	EU	—	—	—	3,914	
22	110	15.75	110	22	EU	CA	10	2	CA	EU	—	—	4,630	
24	110	17	110	24	EU	CA	10	4	CA	EU	—	—	4,794	
26	110	18.5	110	26	EU	CA	5	10	1	CA	EU	—	5,593	
28	110	20	110	28	EU	CA	5	10	3	CA	EU	—	5,840	
30	110	21.25	110	30	EU	CA	20	CA	EU	—	—	—	5,217	
32	110	22.75	110	32	EU	CA	20	2	CA	EU	—	—	5,933	
34	110	24.25	110	34	EU	CA	20	4	CA	EU	—	—	6,097	
36	110	25.5	110	36	EU	CA	5	20	1	CA	EU	—	6,896	
38	110	27	110	38	EU	CA	5	20	3	CA	EU	—	7,143	
40	110	28.25	110	40	EU	CA	10	20	CA	EU	—	—	6,879	
42	110	30	110	42	EU	CA	10	20	2	CA	EU	—	7,595	
44	110	31.25	110	44	EU	CA	10	20	4	CA	EU	—	7,759	
46	110	32.5	110	46	EU	CA	1	10	20	5	CA	EU	8,558	
48	110	34	110	48	EU	CA	3	10	20	5	CA	EU	8,805	
50	110	35.5	110	50	EU	CA	20	20	CA	EU	—	—	8,182	
52	110	36.75	110	52	EU	CA	20	20	2	CA	EU	—	8,898	
54	110	38.25	110	54	EU	CA	20	20	4	CA	EU	—	9,062	
56	110	39.5	110	56	EU	CA	1	20	20	5	CA	EU	9,861	
58	110	41	110	58	EU	CA	3	20	20	5	CA	EU	10,108	
60	110	42.5	110	60	EU	CA	10	20	20	CA	EU	—	9,844	
62	110	43.75	110	62	EU	CA	10	20	20	2	CA	EU	10,560	
64	110	45.25	110	64	EU	CA	10	20	20	4	CA	EU	10,724	
66	110	46.75	110	66	EU	CA	1	10	20	20	5	CA	EU	11,523
68	110	48	110	68	EU	CA	3	10	20	20	5	CA	EU	11,770
70	110	49.5	110	70	EU	CA	20	20	20	CA	EU	—	11,147	
72	110	51	110	72	EU	CA	20	20	20	2	CA	EU	11,863	
74	110	52.5	110	74	EU	CA	20	20	20	4	CA	EU	12,027	
76	110	53.75	110	76	EU	CA	1	20	20	20	5	CA	EU	12,826

Green shading reflects rental inventory.

• Beam weights calculated without top rigging and may vary depending on strut configuration.

\*Spans available in 1 foot increments.

### Typical Spreader Assembly





# Modular Spreader Beams

## Modular 400/110H - Beam Specifications

- Rated at 170 ton WLL at 64 ft. span. See Load Table for WLL at spans greater than 64 ft.
- Base sling angle,  $\alpha$ , 45 degrees or greater.
- End Units & Drop Links are rated at 85 tons (170 tons combined capacity).
- Bolt tightening torque: 184 pound-foot (M24); 110 pound-foot (M20)

Table 1: Component List	
Part Ref:	Description
P1	Mod 110 End Unit (85 metric tons)
P2	Mod 110 Drop Link (85 metric tons)
P3	20 ft. Strut
P4	10 ft. Strut
P5	5 ft. Strut
P6	4 ft. Strut
P7	3 ft. Strut
P8	2 ft. Strut
P9	1 ft. Strut
P10	Mod 400/110 Cone Adaptor
P11	120t Bolt Shackle
P12	85t Bolt Shackle
P13	Mod 400: M24x90 Bolts, Nuts & Washers Mod 110: M20x65 Bolts, Nuts & Washers

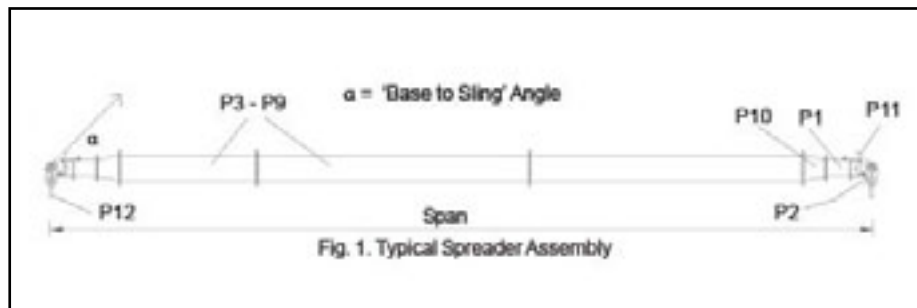
- Max number of struts allowed in spreader assembly: 5
- Assemble longer struts in the center of the spreader configuration
- Sling angle is crucial to safe use of spreader



Table 2: Load v. Span														
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration								Beam Weight (lbs.)	
					EU – End Unit (3 ft.) CA- Cone Adaptor (2 ft.)									
6	170	4.25	170	6	EU	EU	—	—	—	—	—	—	1,914	
10	170	7.25	170	10	EU	CA	CA	EU	—	—	—	—	2,730	
12	170	8.5	170	12	EU	CA	2	CA	EU	—	—	—	3,446	
14	170	10	170	14	EU	CA	4	CA	EU	—	—	—	3,610	
16	170	11.5	170	16	EU	CA	5	1	CA	EU	—	—	4,409	
18	170	12.75	170	18	EU	CA	5	3	CA	EU	—	—	4,656	
20	170	14.25	170	20	EU	CA	10	CA	EU	—	—	—	4,392	
22	170	15.75	170	22	EU	CA	10	2	CA	EU	—	—	5,108	
24	170	17	170	24	EU	CA	10	4	CA	EU	—	—	5,272	
26	170	18.5	170	26	EU	CA	5	10	1	CA	EU	—	6,071	
28	170	20	170	28	EU	CA	5	10	3	CA	EU	—	6,318	
30	170	21.25	170	30	EU	CA	20	CA	EU	—	—	—	5,695	
32	170	22.75	170	32	EU	CA	20	2	CA	EU	—	—	6,411	
34	170	24.25	170	34	EU	CA	20	4	CA	EU	—	—	6,575	
36	170	25.5	170	36	EU	CA	5	20	1	CA	EU	—	7,374	
38	170	27	170	38	EU	CA	5	20	3	CA	EU	—	7,621	
40	170	28.25	170	40	EU	CA	10	20	CA	EU	—	—	7,357	
42	170	30	170	42	EU	CA	10	20	2	CA	EU	—	8,073	
44	170	31.25	170	44	EU	CA	10	20	4	CA	EU	—	8,237	
46	170	32.5	170	46	EU	CA	1	10	20	5	CA	EU	—	9,036
48	170	34	170	48	EU	CA	3	10	20	5	CA	EU	—	9,283
50	170	35.5	170	50	EU	CA	20	20	CA	EU	—	—	8,660	
52	170	36.75	170	52	EU	CA	20	20	2	CA	EU	—	9,376	
54	170	38.25	170	54	EU	CA	20	20	4	CA	EU	—	9,540	
56	170	39.5	170	56	EU	CA	1	20	20	5	CA	EU	—	10,339
58	170	41	170	58	EU	CA	3	20	20	5	CA	EU	—	10,586
60	170	42.5	170	60	EU	CA	10	20	20	CA	EU	—	10,322	
62	170	43.75	170	62	EU	CA	10	20	20	2	CA	EU	—	11,038
64	170	45.25	170	64	EU	CA	10	20	20	4	CA	EU	—	11,202
66	160	46.75	170	66	EU	CA	1	10	20	20	5	CA	EU	12,001
68	149	48	170	68	EU	CA	3	10	20	20	5	CA	EU	12,248
70	140	49.5	170	70	EU	CA	20	20	20	CA	EU	—	11,625	
72	132	51	170	72	EU	CA	20	20	20	2	CA	EU	—	12,341
74	122	52.5	170	74	EU	CA	20	20	20	4	CA	EU	—	12,505
76	113	53.75	170	76	EU	CA	1	20	20	20	5	CA	EU	13,304

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 400/250 - Beam Specifications

- Rated at 250 tons WLL at 68 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 125 tons (250 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

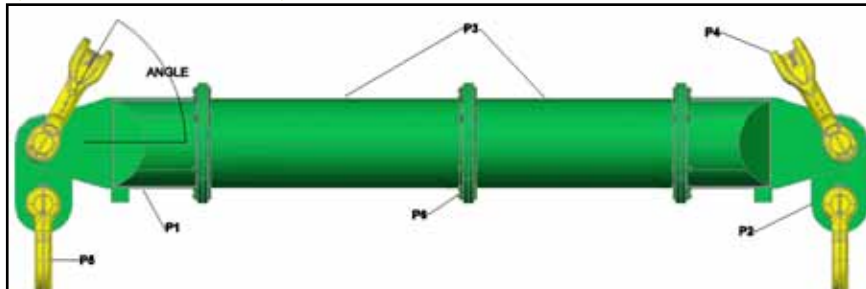
Table 1: Component List	
Part Ref:	Description
P1	End Unit (125 Tons)
P2	Drop Link (125 Tons)
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P3	4 ft. Strut
P3	3 ft. Strut
P3	2 ft. Strut
P3	1 ft. Strut
P4	200t Shackle
P5	125t Shackle
P6	M24x90 HT Bolts, Nuts & Washers

Table 2: Load v. Span												
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)						Beam Weight (lbs.)	
					EU		EU					
10	250	7.25	250	10	EU	4	EU				4,680	
12	250	8.50	250	12	EU	5	1	EU			5,423	
14	250	10	250	14	EU	5	3	EU			5,684	
16	250	11.50	250	16	EU	5	5	EU			5,944	
18	250	12.75	250	18	EU	10	2	EU			6,117	
20	250	14.25	250	20	EU	4	10	EU			6,424	
22	250	15.75	250	22	EU	1	10	5	EU		7,167	
24	250	17	250	24	EU	3	10	5	EU		7,428	
26	250	18.50	250	26	EU	5	10	5	EU		7,688	
28	250	20	250	28	EU	2	10	10	EU		7,861	
30	250	21.25	250	30	EU	4	10	10	EU		8,168	
32	250	22.75	250	32	EU	5	20	1	EU		8,472	
34	250	24.25	250	34	EU	5	20	3	EU		8,733	
36	250	25.50	250	36	EU	10	20	EU			8,465	
38	250	27	250	38	EU	10	20	2	EU		9,166	
40	250	28.25	250	40	EU	10	20	4	EU		9,473	
42	250	30	250	42	EU	1	10	20	5	EU	10,216	
44	250	31.25	250	44	EU	3	10	20	5	EU	10,477	
46	250	32.50	250	46	EU	10	20	10	EU		10,209	
48	250	34	250	48	EU	10	20	10	2	EU	10,910	
50	250	35.50	250	50	EU	20	20	4	EU		10,778	
52	250	36.75	250	52	EU	1	20	20	5	EU	11,521	
54	240	38.25	250	54	EU	3	20	20	5	EU	11,782	
56	225	39.50	250	56	EU	5	20	20	5	EU	12,042	
58	211	41	250	58	EU	2	10	20	20	EU	12,215	
60	198	42.50	250	60	EU	4	10	20	20	EU	12,522	
62	185	43.75	250	62	EU	1	10	20	20	5	EU	13,265
64	171	45.25	250	64	EU	3	10	20	20	5	EU	13,526
66	160	46.75	250	66	EU	10	20	20	10	EU	13,258	
68	149	48	250	68	EU	20	20	20	2	EU	13,520	
70	140	49.50	242	70	EU	20	20	20	4	EU	13,827	
72	132	51	227	72	EU	1	20	20	20	5	EU	14,570
74	122	52.50	211	74	EU	3	20	20	20	5	EU	14,831
76	113	53.75	197	76	EU	20	20	20	10	EU	14,563	



Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 400/300 - Beam Specifications

- Rated at 300 tons WLL at 62 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 150 tons (300 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

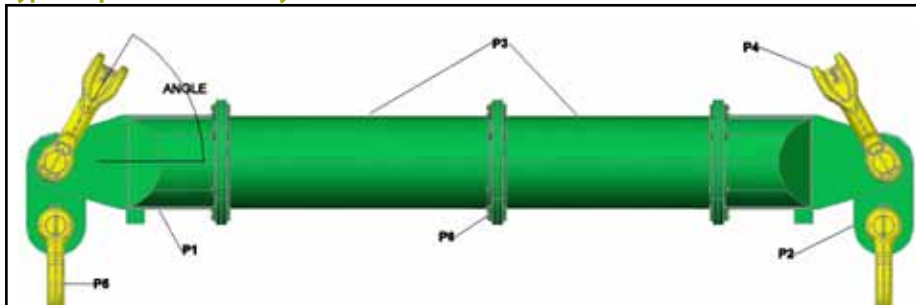
Table 1: Component List	
Part Ref:	Description
P1	End Unit (150 Tons)
P2	Drop Link (150 Tons)
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P3	4 ft. Strut
P3	3 ft. Strut
P3	2 ft. Strut
P3	1 ft. Strut
P4	200t Shackle
P5	150t Shackle
P6	M24x90 HT Bolts, Nuts & Washers

Table 2: Load v. Span												
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)						Beam Weight (lbs.)	
					EU	4	EU					
10	300	7.25	300	10	EU	4	EU				4,746	
12	300	8.50	300	12	EU	5	1	EU			5,489	
14	300	10	300	14	EU	5	3	EU			5,750	
16	300	11.50	300	16	EU	5	5	EU			6,010	
18	300	12.75	300	18	EU	10	2	EU			6,183	
20	300	14.25	300	20	EU	4	10	EU			6,490	
22	300	15.75	300	22	EU	1	10	5	EU		7,233	
24	300	17	300	24	EU	3	10	5	EU		7,494	
26	300	18.50	300	26	EU	5	10	5	EU		7,754	
28	300	20	300	28	EU	2	10	10	EU		7,927	
30	300	21.25	300	30	EU	4	10	10	EU		8,234	
32	300	22.75	300	32	EU	5	20	1	EU		8,538	
34	300	24.25	300	34	EU	5	20	3	EU		8,799	
36	300	25.50	300	36	EU	10	20	EU			8,531	
38	300	27	300	38	EU	10	20	2	EU		9,232	
40	300	28.25	300	40	EU	10	20	4	EU		9,539	
42	300	30	300	42	EU	1	10	20	5	EU	10,282	
44	300	31.25	300	44	EU	3	10	20	5	EU	10,543	
46	298	32.50	300	46	EU	10	20	10	EU		10,275	
48	283	34	300	48	EU	10	20	10	2	EU	10,976	
50	269	35.50	300	50	EU	20	20	4	EU		10,844	
52	256	36.75	300	52	EU	1	20	20	5	EU	11,587	
54	240	38.25	300	54	EU	3	20	20	5	EU	11,848	
56	225	39.50	300	56	EU	5	20	20	5	EU	12,108	
58	211	41	300	58	EU	2	10	20	20	EU	12,281	
60	198	42.50	300	60	EU	4	10	20	20	EU	12,588	
62	185	43.75	300	62	EU	1	10	20	20	5	EU	13,331
64	171	45.25	297	64	EU	3	10	20	20	5	EU	13,592
66	160	46.75	277	66	EU	10	20	20	10	EU	13,324	
68	149	48	258	68	EU	20	20	20	2	EU	13,586	
70	140	49.50	242	70	EU	20	20	20	4	EU	13,893	
72	132	51	227	72	EU	1	20	20	20	5	EU	14,636
74	122	52.50	211	74	EU	3	20	20	20	5	EU	14,897
76	113	53.75	197	76	EU	20	20	20	10	EU	14,629	



Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 400/600 - Beam Specifications

- Rated at 600 tons WLL at 40 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 300 tons (600 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

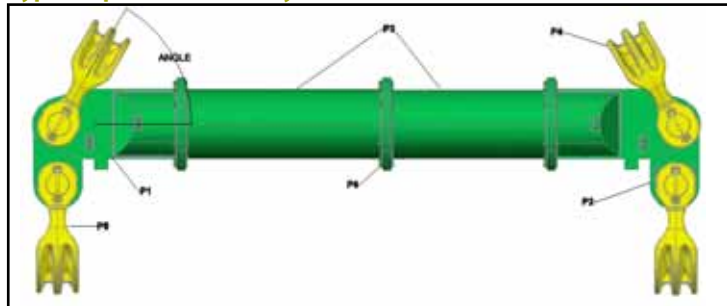
Table 1: Component List	
Part Ref:	Description
P1	End Unit (300 Tons)
P2	Drop Link (300 Tons)
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P3	4 ft. Strut
P3	3 ft. Strut
P3	2 ft. Strut
P3	1 ft. Strut
P4	400t Shackle
P5	300t Shackle
P6	M24x90 HT Bolts, Nuts & Washers

Table 2: Load v. Span												
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)						Beam Weight (lbs.)	
					EU	4	EU					
10	452	7.25	600	10	EU	4	EU				7,920	
12	449	8.50	600	12	EU	5	1	EU			8,663	
14	444	10	600	14	EU	5	3	EU			8,924	
16	440	11.50	600	16	EU	5	5	EU			9,184	
18	434	12.75	600	18	EU	10	2	EU			9,357	
20	430	14.25	600	20	EU	4	10	EU			9,664	
22	424	15.75	600	22	EU	1	10	5	EU		10,407	
24	417	17	600	24	EU	3	10	5	EU		10,668	
26	410	18.50	600	26	EU	5	10	5	EU		10,928	
28	404	20	600	28	EU	2	10	10	EU		11,101	
30	395	21.25	600	30	EU	4	10	10	EU		11,408	
32	386	22.75	600	32	EU	5	20	1	EU		11,712	
34	377	24.25	600	34	EU	5	20	3	EU		11,973	
36	367	25.50	600	36	EU	10	20	EU			11,705	
38	356	27	600	38	EU	10	20	2	EU		12,406	
40	345	28.25	600	40	EU	10	20	4	EU		12,713	
42	328	30	575	42	EU	1	10	20	5	EU	13,456	
44	313	31.25	541	44	EU	3	10	20	5	EU	13,717	
46	298	32.50	516	46	EU	10	20	10	EU		13,449	
48	283	34	490	48	EU	10	20	10	2	EU	14,150	
50	269	35.50	467	50	EU	20	20	4	EU		14,018	
52	256	36.75	443	52	EU	1	20	20	5	EU	14,761	
54	240	38.25	416	54	EU	3	20	20	5	EU	15,022	
56	225	39.50	390	56	EU	5	20	20	5	EU	15,282	
58	211	41	366	58	EU	2	10	20	20	EU	15,455	
60	198	42.50	343	60	EU	4	10	20	20	EU	15,762	
62	185	43.75	320	62	EU	1	10	20	20	5	EU	16,505
64	171	45.25	297	64	EU	3	10	20	20	5	EU	16,766
66	160	46.75	277	66	EU	10	20	20	10	EU	16,498	
68	149	48	258	68	EU	20	20	20	2	EU	16,760	
70	140	49.50	242	70	EU	20	20	20	4	EU	17,067	
72	132	51	227	72	EU	1	20	20	20	5	EU	17,810
74	122	52.50	211	74	EU	3	20	20	20	5	EU	18,071
76	113	53.75	197	76	EU	20	20	20	10	EU	17,803	



Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 400/700 - Beam Specifications

- Rated at 700 tons WLL at 28 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 350 tons (700 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

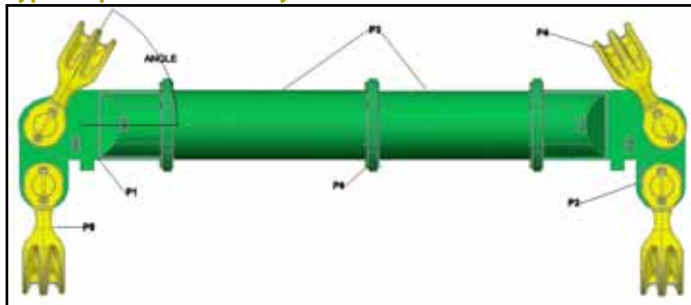
Table 1: Component List	
Part Ref:	Description
P1	End Unit (350 Tons)
P2	Drop Link (350 Tons)
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P3	4 ft. Strut
P3	3 ft. Strut
P3	2 ft. Strut
P3	1 ft. Strut
P4	400t Shackle
P5	400t Shackle
P6	M24x90 HT Bolts, Nuts & Washers

Table 2: Load v. Span												
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)						Beam Weight (lbs.)	
					EU		EU					
10	452	7.25	700	10	EU	4	EU				8,584	
12	449	8.50	700	12	EU	5	1	EU			9,327	
14	444	10	700	14	EU	5	3	EU			9,588	
16	440	11.50	700	16	EU	5	5	EU			9,848	
18	434	12.75	700	18	EU	10	2	EU			10,021	
20	430	14.25	700	20	EU	4	10	EU			10,328	
22	424	15.75	700	22	EU	1	10	5	EU		11,071	
24	417	17	700	24	EU	3	10	5	EU		11,332	
26	410	18.50	700	26	EU	5	10	5	EU		11,592	
28	404	20	700	28	EU	2	10	10	EU		11,765	
30	395	21.25	684	30	EU	4	10	10	EU		12,072	
32	386	22.75	669	32	EU	5	20	1	EU		12,376	
34	377	24.25	653	34	EU	5	20	3	EU		12,637	
36	367	25.50	636	36	EU	10	20	EU			12,369	
38	356	27	617	38	EU	10	20	2	EU		13,070	
40	345	28.25	600	40	EU	10	20	4	EU		13,377	
42	328	30	575	42	EU	1	10	20	5	EU	14,120	
44	313	31.25	541	44	EU	3	10	20	5	EU	14,381	
46	298	32.50	516	46	EU	10	20	10	EU		14,113	
48	283	34	490	48	EU	10	20	10	2	EU	14,814	
50	269	35.50	467	50	EU	20	20	4	EU		14,682	
52	256	36.75	443	52	EU	1	20	20	5	EU	15,425	
54	240	38.25	416	54	EU	3	20	20	5	EU	15,686	
56	225	39.50	390	56	EU	5	20	20	5	EU	15,946	
58	211	41	366	58	EU	2	10	20	20	EU	16,119	
60	198	42.50	343	60	EU	4	10	20	20	EU	16,426	
62	185	43.75	320	62	EU	1	10	20	20	5	EU	17,169
64	171	45.25	297	64	EU	3	10	20	20	5	EU	17,430
66	160	46.75	277	66	EU	10	20	20	10	EU	17,162	
68	149	48	258	68	EU	20	20	20	2	EU	17,424	
70	140	49.50	242	70	EU	20	20	20	4	EU	17,731	
72	132	51	227	72	EU	1	20	20	20	5	EU	18,474
74	122	52.50	211	74	EU	3	20	20	20	5	EU	18,735
76	113	53.75	197	76	EU	20	20	20	10	EU	18,467	



Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



# Modular Spreader Beams

## Modular 1000/250 - Beam Specifications



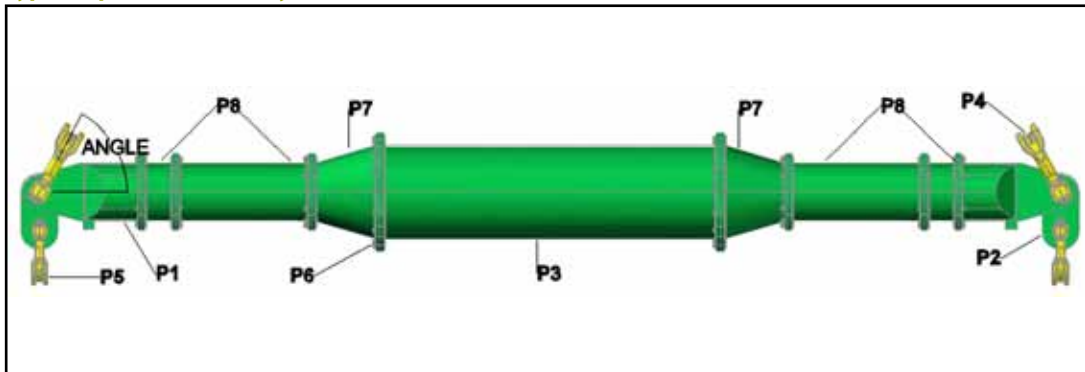
- Rated at 250 tons WLL at 100 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 125 tons (250 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

Part Ref.	Description
P1	End Unit (125 Tons)
P2	Drop Link (125 Tons)
P3	30 ft. Strut
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P7	Cone Adaptor
P8	Modular 400 Struts
P4	200t Widebody Shackle
P5	125t Widebody Shackle
P6	M24 Bolts, Nuts & Washers

Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration										Beam Weight (lbs.)
					EU – End Unit (3 ft.)					CA - Cone Adaptor (2 ft.)					
10	250	7.25	250	10	EU	CA	CA	EU							5,890
15	250	10.75	250	15	EU	CA	5	CA	EU						7,962
20	250	14.25	250	20	EU	CA	10	CA	EU						8,855
25	250	17.75	250	25	EU	CA	10	5	CA	EU					10,927
30	250	21.25	250	30	EU	CA	20	CA	EU						10,650
35	250	24.75	250	35	EU	CA	20	5	CA	EU					12,722
40	250	28.25	250	40	EU	CA	20	10	CA	EU					13,615
45	250	32.00	250	45	EU	CA	5	30	CA	EU					14,520
50	250	35.50	250	50	EU	CA	10	30	CA	EU					15,413
55	250	39.00	250	55	EU	CA	10	30	5	CA	EU				17,485
60	250	42.50	250	60	EU	CA	20	30	CA	EU					17,208
65	250	46.00	250	65	EU	CA	20	30	5	CA	EU				19,280
70	250	49.50	250	70	EU	CA	20	30	10	CA	EU				20,173
75	250	53.00	250	75	EU	CA	30	30	5	CA	EU				21,078
80	250	56.50	250	80	EU	CA	30	30	10	CA	EU				21,971
85	250	60.00	250	85	EU	CA	30	30	10	5	CA	EU			24,043
90	250	63.75	250	90	EU	CA	20	30	30	CA	EU				23,766
95	250	67.00	250	95	EU	CA	20	30	30	5	CA	EU			25,838
100	250	70.75	250	100	EU	CA	20	30	30	10	CA	EU			26,731

Green shading reflects rental inventory.  
 - Beam weights calculated without top rigging and may vary depending on strut configuration.  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



P8 represents Modular 400 struts used to create beam spans increased in 1 foot increments.  
 Mod 400 struts can be inserted between the Mod 1000 Cone Adaptors and the Mod 400 End Units. However, the following restrictions apply:  
 \* At least 50% of the spreader must be Mod 1000 struts.  
 \* A maximum of 3 Mod 400 struts can be assembled per side.



# Modular Spreader Beams

## Modular 1000/300 - Beam Specifications



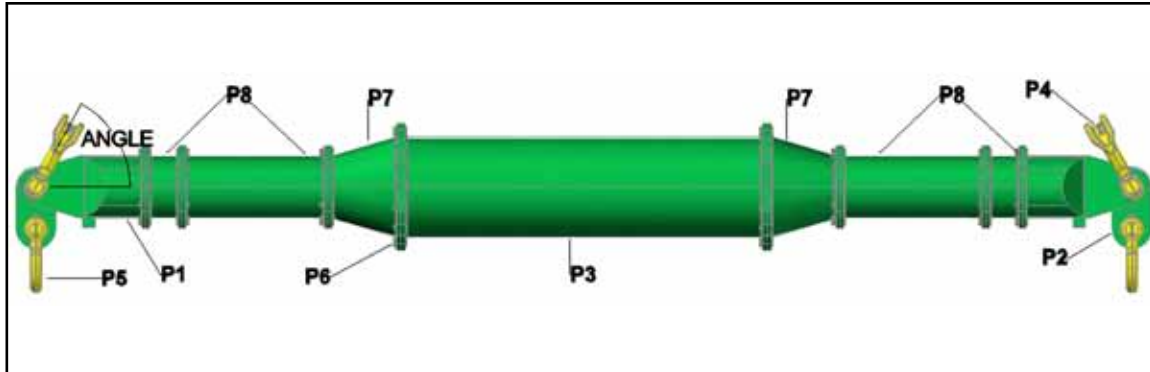
- Rated at 300 tons WLL at 100 ft. span (60 degrees Base Sling Angle).
- End Units & Drop Links are rated at 150 tons (300 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

Table 1: Component List	
Part Ref:	Description
P1	End Unit (150 tons)
P2	Drop Link (150 tons)
P3	30 ft. Strut
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P7	Cone Adaptor
P8	Modular 400 Struts
P4	200t Widebody Shackle
P5	150t Shackle
P6	M24 Bolts, Nuts & Washers

Table 2: Load v. Span													
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)								Beam Weight (lbs.)
					EU	CA	CA	EU					
10	300	7.25	300	10	EU	CA	CA	EU				6,098	
15	300	10.75	300	15	EU	CA	5	CA	EU			8,170	
20	300	14.25	300	20	EU	CA	10	CA	EU			9,063	
25	300	17.75	300	25	EU	CA	10	5	CA	EU		12,930	
30	300	21.25	300	30	EU	CA	20	CA	EU			10,858	
35	300	24.75	300	35	EU	CA	20	5	CA	EU		12,930	
40	300	28.25	300	40	EU	CA	20	10	CA	EU		13,823	
45	300	32.00	300	45	EU	CA	5	30	CA	EU		14,728	
50	300	35.50	300	50	EU	CA	10	30	CA	EU		15,621	
55	300	39.00	300	55	EU	CA	10	30	5	CA	EU	17,693	
60	300	42.50	300	60	EU	CA	20	30	CA	EU		17,422	
65	300	46.00	300	65	EU	CA	20	30	5	CA	EU	19,488	
70	300	49.50	300	70	EU	CA	20	30	10	CA	EU	20,381	
75	300	53.00	300	75	EU	CA	30	30	5	CA	EU	21,286	
80	300	56.50	300	80	EU	CA	30	30	10	CA	EU	22,179	
85	300	60.00	300	85	EU	CA	30	30	10	5	CA	EU	24,251
90	300	63.75	300	90	EU	CA	20	30	30	CA	EU	23,974	
95	300	67.00	300	95	EU	CA	20	30	30	5	CA	EU	26,046
100	300	70.75	300	100	EU	CA	20	30	30	10	CA	EU	26,939

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging and may vary depending on strut configuration.  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



P8 represents Modular 400 struts used to create beam spans increased in 1 foot increments.  
 Mod 400 struts can be inserted between the Mod 1000 Cone Adaptors and the Mod 400 End Units. However, the following restrictions apply:  
 \* At least 50% of the spreader must be Mod 1000 struts.  
 \* A maximum of 3 Mod 400 struts can be assembled per side.

# Modular Spreader Beams

## Modular 1000/600 - Beam Specifications



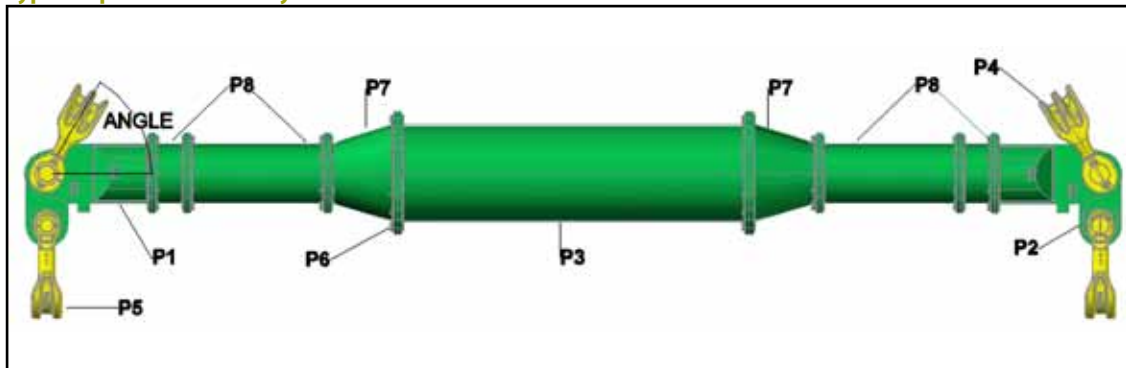
- Rated at 600 tons WLL at 80 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 300 tons (600 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.

Table 1: Component List	
Part Ref:	Description
P1	End Unit (300 Tons)
P2	Drop Link (300 Tons)
P3	30 ft. Strut
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P7	Cone Adaptor
P8	Modular 400 Struts
P4	400t Widebody Shackle
P5	300t Widebody Shackle
P6	M24 Bolts, Nuts & Washers

Table 2: Load v. Span													
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)								Beam Weight (lbs.)
					EU	CA	CA	EU					
10	600	7.25	600	10	EU	CA	CA	EU					9,292
15	600	10.75	600	15	EU	CA	5	CA	EU				11,364
20	600	14.25	600	20	EU	CA	10	CA	EU				12,257
25	600	17.75	600	25	EU	CA	10	5	CA	EU			14,229
30	600	21.25	600	30	EU	CA	20	CA	EU				14,052
35	600	24.75	600	35	EU	CA	20	5	CA	EU			16,124
40	600	28.25	600	40	EU	CA	20	10	CA	EU			17,017
45	600	32.00	600	45	EU	CA	5	30	CA	EU			17,922
50	588	35.50	600	50	EU	CA	10	30	CA	EU			18,815
55	559	39.00	600	55	EU	CA	10	30	5	CA	EU		20,887
60	530	42.50	600	60	EU	CA	20	30	CA	EU			20,610
65	500	46.00	600	65	EU	CA	20	30	5	CA	EU		22,682
70	459	49.50	600	70	EU	CA	20	30	10	CA	EU		23,575
75	418	53.00	600	75	EU	CA	30	30	5	CA	EU		24,480
80	379	56.50	600	80	EU	CA	30	30	10	CA	EU		25,973
85	340	60.00	588	85	EU	CA	30	30	10	5	CA	EU	27,445
90	308	63.75	532	90	EU	CA	20	30	30	CA	EU		27,168
95	275	67.00	476	95	EU	CA	20	30	30	5	CA	EU	29,240
100	256	70.75	443	100	EU	CA	20	30	30	10	CA	EU	30,133

Green shading reflects rental inventory.  
 • Beam weights calculated without top rigging and may vary depending on strut configuration.  
 \*Spans available in 1 foot increments.

### Typical Spreader Assembly



P8 represents Modular 400 struts used to create beam spans increased in 1 foot increments.  
 Mod 400 struts can be inserted between the Mod 1000 Cone Adaptors and the Mod 400 End Units. However, the following restrictions apply:  
 \* At least 50% of the spreader must be Mod 1000 struts.  
 \* A maximum of 3 Mod 400 struts can be assembled per side.





# Modular Spreader Beams

## Modular 1000/700 - Beam Specifications

- Rated at 700 tons WLL at 75 ft. span (60 degrees Base Slinge Angle).
- End Units & Drop Links are rated at 350 tons (700 tons combined lift).
- Base sling angle,  $\alpha$ , 45 degrees or greater.



Table 1: Component List	
Part Ref:	Description
P1	End Unit (350 Tons)
P2	Drop Link (350 Tons)
P3	30 ft. Strut
P3	20 ft. Strut
P3	10 ft. Strut
P3	5 ft. Strut
P7	Cone Adaptor
P8	Modular 400 Struts
P4	400t Widebody Shackle
P5	400t Widebody Shackle
P6	M24 Bolts, Nuts & Washers

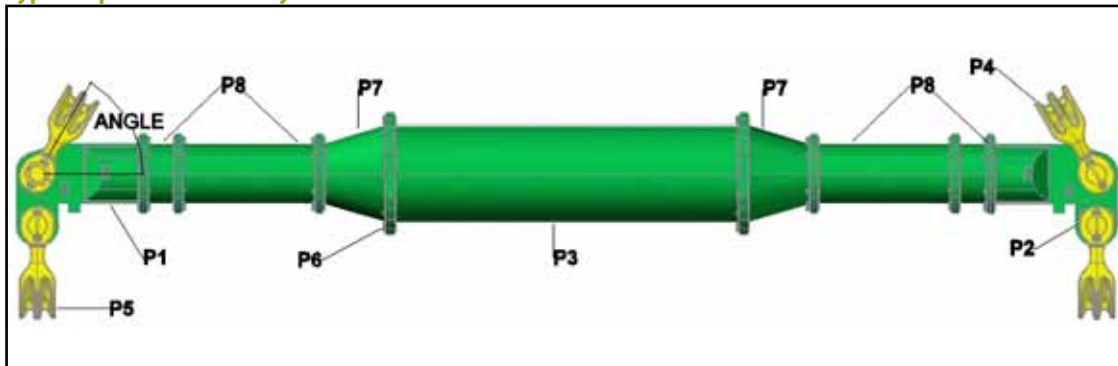
Table 2: Load v. Span													
Span* (ft.)	SWL/T @ 45°	Min. Sling Length (ft.) @ 45°	SWL/T @ 60°	Min. Sling Length (ft.) @ 60°	Recommended Configuration EU – End Unit (3 ft.)							Beam Weight (lbs.)	
					EU	CA	CA	EU					
10	700	7.25	700	10	EU	CA	CA	EU				9,956	
15	700	10.75	700	15	EU	CA	5	CA	EU			12,028	
20	700	14.25	700	20	EU	CA	10	CA	EU			12,921	
25	693	17.75	700	25	EU	CA	10	5	CA	EU		14,993	
30	678	21.25	700	30	EU	CA	20	CA	EU			14,716	
35	660	24.75	700	35	EU	CA	20	5	CA	EU		16,788	
40	638	28.25	700	40	EU	CA	20	10	CA	EU		17,681	
45	616	32.00	700	45	EU	CA	5	30	CA	EU		18,586	
50	588	35.50	700	50	EU	CA	10	30	CA	EU		19,479	
55	559	39.00	700	55	EU	CA	10	30	5	CA	EU	21,551	
60	530	42.50	700	60	EU	CA	20	30	CA	EU		21,274	
65	500	46.00	700	65	EU	CA	20	30	5	CA	EU	23,346	
70	459	49.50	700	70	EU	CA	20	30	10	CA	EU	24,239	
75	418	53.00	700	75	EU	CA	30	30	5	CA	EU	25,144	
80	379	56.50	656	80	EU	CA	30	30	10	CA	EU	26,037	
85	340	60.00	588	85	EU	CA	30	30	10	5	CA	EU	28,109
90	308	63.75	532	90	EU	CA	20	30	30	CA	EU	27,832	
95	275	67.00	476	95	EU	CA	20	30	30	5	CA	EU	29,904
100	256	70.75	443	100	EU	CA	20	30	30	10	CA	EU	30,797

Green shading reflects rental inventory.

• Beam weights calculated without top rigging and may vary depending on strut configuration.

\*Spans available in 1 foot increments.

### Typical Spreader Assembly



P8 represents Modular 400 struts used to create beam spans increased in 1 foot increments.

Mod 400 struts can be inserted between the Mod 1000 Cone Adaptors and the Mod 400 End Units. However, the following restrictions apply:

\* At least 50% of the spreader must be Mod 1000 struts.

\* A maximum of 3 Mod 400 struts can be assembled per side.

# MaxiBar Spreader Beams

4" to 6" Compression Cap Load Chart



## 4" MaxiBar Weight Chart

**4" MaxiBar End Cap:** 200 lbs. Pair

**4" MaxiBar Link Plate:** 72 lbs. Pair

**4" Schedule 160 Pipe:** 22.5 lbs. per ft.

**4" Pipe Deduction:** 1.7 ft.

4" MaxiBar Load Chart		
Capacity in Tons 2000 lbs		
Span (feet)	Min. Top Sling Angle 45° Sch. 160	Min. Top Sling Angle 60° Sch. 160
4-10	57	60
11	48	60
12	43	60
13	36	60
14	32	55
15	26	46
16	23	40
17	19	33
18	17	29
19	14	24
20	13	22
21	10	18
22	9	17

4" MaxiBar



Green shading reflects rental inventory.

## 6" MaxiBar Weight Chart

**6" XL End Caps:** 600 lbs. Pair

**6" XL Link Plates:** 120 lbs. Pair

**6" Schedule 80 Pipe:** 28.6 lbs. per ft.

**6" XL Pipe Deduction:** 2 ft.

6" MaxiBar Load Chart					
Capacity in Tons 2000 lbs					
Span (feet)	Min. Top Sling Angle 45° Sch. 80	Min. Top Sling Angle 60° Sch. 80	Span (feet)	Min. Top Sling Angle 45° Sch. 80	Min. Top Sling Angle 60° Sch. 80
4-14	71	80	26	22	39
15	69	80	27	20	34
16	64	80	28	18	31
17	58	80	29	16	28
18	53	80	30	14	25
19	48	80	31	13	23
20	44	75	32	12	21
21	39	68	33	10	18
22	34	61	34	9	16
23	31	54	35	8	15
24	28	49	36	8	14
25	25	43	40	4	8

6" MaxiBar



Green shading reflects rental inventory.



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# MaxiBar Spreader Beams

## 8" to 12" Compression Cap Load Chart

8" MaxiBar Load Chart					
Capacity in Tons 2000 lbs					
Span (feet)	Min. Top Sling Angle 45° Sch. 80	Min. Top Sling Angle 60° Sch. 80	Span (feet)	Min. Top Sling Angle 45° Sch. 80	Min. Top Sling Angle 60° Sch. 80
4-19	100	100	33	33	57
20	99	100	34	30	52
21	93	100	35	27	48
22	86	100	36	25	44
23	80	100	37	23	40
24	74	100	38	20	37
25	68	100	39	19	33
26	62	100	40	17	30
27	57	99	41	16	28
28	52	91	42	14	25
29	48	83	43	13	23
30	44	76	44	12	21
31	39	69	48	8	14
32	36	63	50	6	11

Green shading reflects rental inventory.

### 8" MaxiBar



### 8" MaxiBar Weight Chart

- 8" XL End Caps: 1,000 lbs. Pair
- 8" XL Link Plates: 245 lbs. Pair
- 8" Schedule 80 Pipe: 43.39 lbs. per ft.
- 8" XL Pipe Deduction: 2.33 ft.

### 10" MaxiBar Weight Chart

- 10" XL End Caps: 1,800 lbs. Pair
- 10" XL Link Plates: 400 lbs. Pair
- 10" Sch. 120 Pipe: 89.29 lbs. per ft.
- 10" XL Pipe Deduction: 2.92 ft.

### 12" MaxiBar Weight Chart

- 12" XL End Caps: 3,800 lbs. Pair
- 12" XL Link Plates: 850 lbs. Pair
- 12" Sch. 80 Pipe: 88.63 lbs. per ft.
- 12" Sch. 120 Pipe: 125.49 lbs. per ft.
- 12" XL Pipe Deduction: 4.17 ft.

10" MaxiBar Load Chart					
Capacity in Tons 2000 lbs					
Span (feet)	Min. Top Sling Angle 45° Sch. 120	Min. Top Sling Angle 60° Sch. 120	Span (feet)	Min. Top Sling Angle 45° Sch. 120	Min. Top Sling Angle 60° Sch. 120
5-28	155	210	42	52	91
29	145	210	43	48	84
30	135	210	44	44	77
31	126	210	45	40	71
32	116	203	46	37	65
33	108	188	47	34	60
34	100	174	48	31	55
35	92	160	49	28	51
36	85	149	50	26	46
37	79	137	51	24	42
38	72	126	52	21	39
39	67	116	53	19	35
40	61	107	54	18	32
41	56	99	55	15	29

Green shading reflects rental inventory.



12" MaxiBar Load Chart											
Capacity in Tons 2000 lbs											
Span (feet)	Min. Top Sling Angle 60° Sch. 80	Span (feet)	Min. Top Sling Angle 60° Sch. 80	Span (feet)	Min. Top Sling Angle 60° Sch. 80	Span (feet)	Min. Top Sling Angle 60° Sch. 120	Span (feet)	Min. Top Sling Angle 60° Sch. 120	Span (feet)	Min. Top Sling Angle 60° Sch. 120
1	350	21	350	41	150	1	350	21	350	41	210
2	350	22	350	42	150	2	350	22	350	42	200
3	350	23	350	43	100	3	350	23	350	43	180
4	350	24	350	44	100	4	350	24	350	44	170
5	350	25	350	45	100	5	350	25	350	45	155
6	350	26	350	46	100	6	350	26	350	46	145
7	350	27	325	47	100	7	350	27	350	47	135
8	350	28	325	48	80	8	350	28	350	48	125
9	350	29	325	49	80	9	350	29	350	49	115
10	350	30	290	50	80	10	350	30	350	50	110
11	350	31	290	51	55	11	350	31	350	51	100
12	350	32	250	52	55	12	350	32	350	52	90
13	350	33	250	53	55	13	350	33	350	53	85
14	350	34	210	54	55	14	350	34	340	54	80
15	350	35	210	55	55	15	350	35	320	55	70
16	350	36	210	56	—	16	350	36	300	56	65
17	350	37	170	57	—	17	350	37	280	57	60
18	350	38	170	58	—	18	350	38	260	58	55
19	350	39	170	59	—	19	350	39	240	59	50
20	350	40	170	60	—	20	350	40	220	60	45

Green shading reflects rental inventory.

# Spreader Beams

## 2 - 15 Ton Model Adjustable Spreader Beam Specifications



### Product Features:

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

Specifications										
Capacity (tons)	Model	Spread (ft.) Min/Max	Headroom Min/Max w/chain (ft.)	Weight & Beam Hooks (lbs)	A Oblong Dia. (in.)	B Oblong Width (in.)	C Oblong Height (in.)	F - Hook To Beam Bottom (in.)	O - Hook Opening w/ latch (in.)	Chain Rigging Weight (lbs.)
2	32-2-4/6	4/6	48/57	70	1/2	2.36	3.94	5.50	0.97	9
	32-2-6/10	6/10	72/88	85						13
	32-2-8/14	8/14	96/113	175						17
	32-2-12/20	12/20	132/166	245						23
5	32-5-4/6	4/6	55/64	105	1	3.94	7.09	8.40	1.41	34
	32-5-6/10	6/10	79/95	160						47
	32-5-8/14	8/14	102/126	205						61
	32-5-12/20	12/20	138/172	670						82
10	32-10-4/6	4/6	60/69	95	1-1/4	5.51	10.63	10.60	1.78	49
	32-10-6/10	6/10	74/111	175						69
	32-10-8/14	8/14	108/132	460						88
	32-10-12/20	12/20	144/163	680						118
15	32-15-4/6	4/6	64/72	165	1-1/2	5.25	10.50	13.60	2.22	78
	32-15-6/10	6/10	87/104	365						111
	32-15-8/14	8/14	111/135	478						145
	32-15-12/20	12/20	147/180	700						194

Note: Weight = beam and hooks only (no top rigging).

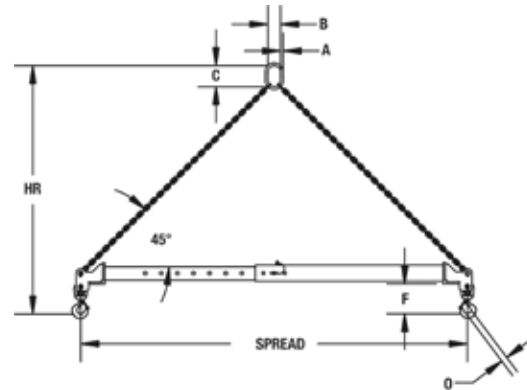
### Spreader Beam

Shown with option C



#### Option C

Chain top rigging from beam to crane hook.



#### Top Rigging Options

##### Option W

Wire rope top rigging from beam to crane hook.

##### Option A

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



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# Lifting Beams

1/2 - 40 Ton Model 20 Low Headroom Specifications

**NOTE:** Additional sizes available for rent. Consult LGH for availability

## Product Features:

- Beams over 4' have 3 spreads
- 3' & 4' beams have 2 spreads.
- Swivel hooks with hook latches standard.
- Wide range of sizes and capacities available.
- Designed and manufactured to ASME standards.

## Standard Feature

Three spreads to adjust to the load:

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

Low Headroom Multiple Spread Lifting Beam



Specifications							
Capacity (tons)	Model Headroom (in.) Weight (lbs.)	Outside Spread in Feet					
		3	4	6	8	10	12
1/2	Model Headroom (in.) Weight (lbs.)	20 1/2 - 3 12 3/4 40	20 1/2 - 4 12 3/4 50	20 1/2 - 6 12 3/4 65	20 1/2 - 8 12 3/4 95	20 1/2 - 10 13 3/4 140	20 1/2 - 12 13 3/4 160
1	Model Headroom (in.) Weight (lbs.)	20 - 1 - 3 12 3/4 40	20 - 1 - 4 12 3/4 50	20 - 1 - 6 13 3/4 85	20 - 1 - 8 13 3/4 115	20 - 1 - 10 14 3/4 165	20 - 1 - 12 15 3/4 230
2	Model Headroom (in.) Weight (lbs.)	20 - 2 - 3 13 3/4 50	20 - 2 - 4 13 3/4 65	20 - 2 - 6 14 3/4 100	20 - 2 - 8 16 1/2 165	20 - 2 - 10 17 1/2 230	20 - 2 - 12 18 1/4 315
3	Model Headroom (in.) Weight (lbs.)	20 - 3 - 3 15 1/4 70	20 - 3 - 4 15 1/4 80	20 - 3 - 6 16 1/4 140	20 - 3 - 8 17 1/4 200	20 - 3 - 10 18 1/4 275	20 - 3 - 12 22 1/2 415
5	Model Headroom (in.) Weight (lbs.)	20 - 5 - 3 19 1/2 115	20 - 5 - 4 20.5 145	20 - 5 - 6 21 1/2 205	20 - 5 - 8 25 1/2 325	20 - 5 - 10 25 1/2 390	20 - 5 - 12 27 1/2 580
7 1/2	Model Headroom (in.) Weight (lbs.)	20 - 7 1/2 - 3 22 1/2 135	20 - 7 1/2 - 4 23 1/2 170	20 - 7 1/2 - 6 25 1/4 265	20 - 7 1/2 - 8 27 1/4 415	20 - 7 1/2 - 10 27 1/4 500	20 - 7 1/2 - 12 30 1/4 910
10	Model Headroom (in.) Weight (lbs.)	20 - 10 - 3 23 1/4 150	20 - 10 - 4 25 1/4 205	20 - 10 - 6 27 1/4 335	20 - 10 - 8 27 1/4 420	20 - 10 - 10 30 1/4 775	20 - 10 - 12 30 1/4 910
15	Model Headroom (in.) Weight (lbs.)	20 - 15 - 3 28 1/2 215	20 - 15 - 4 30 1/2 295	20 - 15 - 6 30 1/4 375	20 - 15 - 8 33 1/2 685	20 - 15 - 10 33 1/2 820	20 - 15 - 12 40 1/4 1,180
20	Model Headroom (in.) Weight (lbs.)	20 - 20 - 3 38 3/4 370	20 - 20 - 4 38 3/4 435	20 - 20 - 6 38 3/4 575	20 - 20 - 8 38 3/4 710	20 - 20 - 10 41 1/2 1,070	20 - 20 - 12 41 1/2 1,235
25	Model Headroom (in.) Weight (lbs.)	—	20 - 25 - 4 41 3/8 470	20 - 25 - 6 41 3/8 590	20 - 25 - 8 44 3/8 925	20 - 25 - 10 44 3/8 1,100	20 - 25 - 12 44 3/8 1,650
30	Model Headroom (in.) Weight (lbs.)	—	20 - 30 - 4 45 1/2 525	20 - 30 - 6 45 1/2 660	20 - 30 - 8 48 1/4 1,010	—	—
40	Model Headroom (in.) Weight (lbs.)	—	20 - 40 - 4 44 3/4 600	20 - 40 - 6 47 3/4 930	—	—	—

Green shading reflects rental inventory.

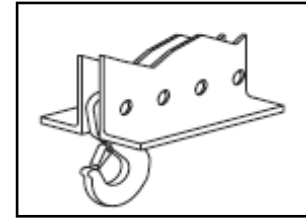
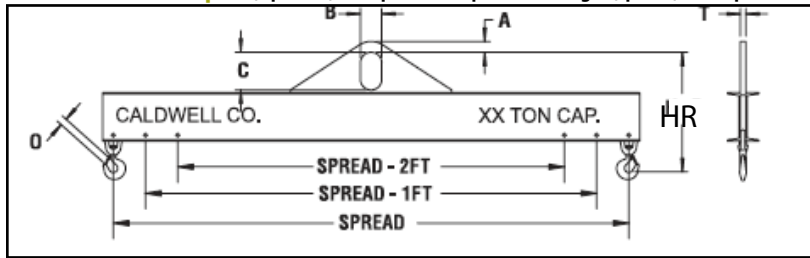


# Lifting Beams

1/2 - 40 Ton Model 20 Low Headroom Specifications

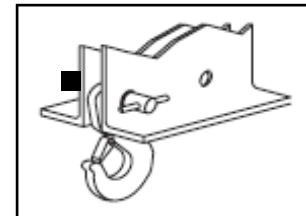


**Recommended Faspins (Option B)** if frequent hook position changes (spread) are required.



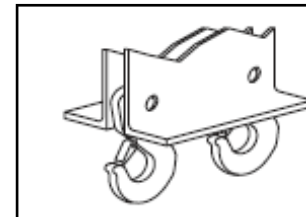
### Option A

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



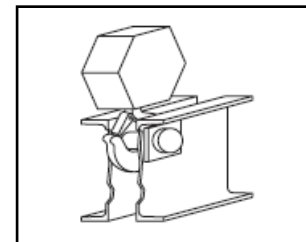
### Option B

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



### Option C

**Extra Hooks**  
Allows for multiple pick points. Specify number of hooks required.



### Option D

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

Specifications							Other Dimensions (in.)
Outside Spread in Feet							
14	16	18	20	24	30		
20 - 1/2 - 14 14 3/4 230	20 - 1/2 - 16 15-3/4 305	20 - 1/2 - 18 16-3/4 400	20 - 1/2 - 20 16-3/4 450	20 - 1/2 - 24 20-1/4 830	20 - 1/2 - 30 22-1/4 1,340	A=7/8 T=3/4 B=3 O=7/8 C=5	
20 - 1 - 14 16-3/4 320	20 - 1 - 16 18-1/2 415	20 - 1 - 18 20-1/4 605	20 - 1 - 20 20-1/4 675	20 - 1 - 24 22-1/4 1,095	—	A=7/8 T=3/4 B=3 O=7/8 C=5	
20 - 2 - 14 20-1/4 480	20 - 2 - 16 20-1/4 540	20 - 2 - 18 24-3/4 800	20 - 2 - 20 24-3/4 900	20 - 2 - 24 27-3/4 1,730	—	A=7/8 T=3/4 B=3 O=7/8 C=5	
20 - 3 - 14 24-1/2 650	20 - 3 - 16 24-1/2 730	20 - 3 - 18 27-1/2 1,295	20 - 3 - 20 27-1/2 1,450	20 - 3 - 24 27-1/2 1,765	—	A=1-1/4 T=1 B=3 O=1 C=5	
20 - 5 - 14 27-1/2 690	20 - 5 - 16 30-1/4 1,210	20 - 5 - 18 30-1/4 1,340	20 - 5 - 20 30-1/4 1,505	20 - 5 - 24 33-1/4 2,275	—	A=2 T=1-1/4 B=4 O=1-15/16 C=7	
20 - 7 1/2 - 14 30-1/4 1,070	20 - 7 1/2 - 16 30-1/4 1,210	20 - 7 1/2 - 18 33 1,665	—	—	—	A=2 T=1-1/4 B=4 O=1-1/2 C=7	
20 - 10 - 14 30-1/4 1,075	20 - 10 - 16 33 1,500	20 - 10 - 18 33 1,670	—	—	—	A=2 T=1-1/4 B=5 O=1-9/16 C=7	
20 - 15 - 14 40-1/4 1,385	—	—	—	—	—	A=2-1/2 T=1-1/2 B=5 O=2-1/16 C=9	
—	—	—	—	—	—	A=2-1/2 T=1-1/2 B=5 O=2-1/4 C=9	
—	—	—	—	—	—	A=3 T=1-3/4 B=6 O=2-1/4 C=12	
—	—	—	—	—	—	A=3-1/2 T=2 B=7 O=2-1/4 C=16	
—	—	—	—	—	—	A=3-1/2 T=2-1/2 B=7 O=3 C=16	

Green shading reflects rental inventory.  
Capacities Available to 300 Ton



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# Lifting Beams

4 - 12 Ton Multiple Point Lifting Beam



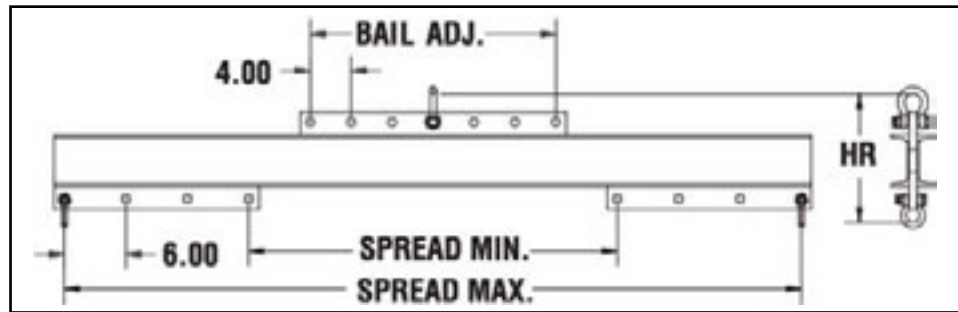
## Model 16-4-8



Specifications								
Model No.	Rated Capacity	Spread (in.)		Bail Adjustment (in.)	Headroom (in.)	Bolt Type Anchor Shackle (tons)		Weight (lbs)
		Max	Min			Top	Bottom	
16-4-8	4	96	48	32	16.60	4 3/4	4 3/4	270

Green shading reflects rental inventory.

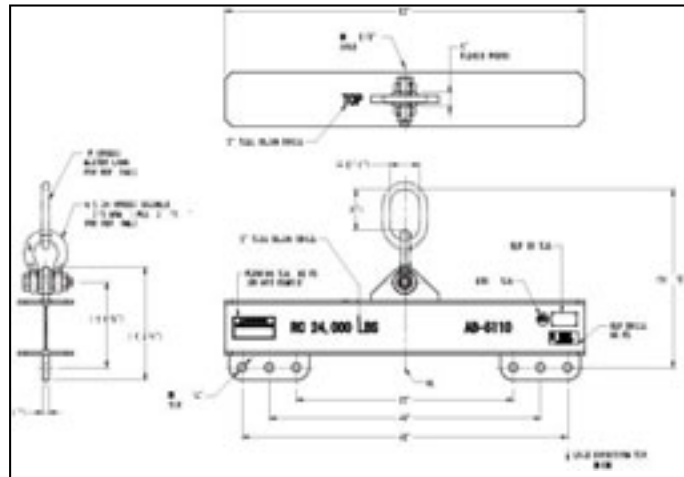
## Model 16-4-8 Specifications



## Model AB-5110



## Model AB-5110 Specifications



Specifications								
Model No.	Rated Capacity	Spread (in.)		Bail Adjustment (in.)	Headroom (in.)	Bolt Type Anchor Shackle (tons)		Weight (lbs)
		Max	Min			Top	Bottom	
AB-5110	12	48	32	NA	16.75	13 1/2	NA	175

Green shading reflects rental inventory.

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## Need Additional Rigging Equipment?

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