



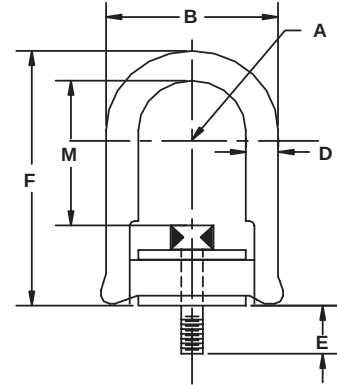
Hoist Ring Forged	98
Hoist Ring Machined	99
Hoist Ring (Metric)	100
Hoist Ring Swivel	101
Tapped Eye Nut	101
Shoulder Eyebolts	102
Rigging Hook	103
Swivel Rigging Hook	103
CZ Universal Plate Clamp	104
CX Heavy-Duty Hinged Universal Plate Clamp	104
CY Hinged Universal Plate Clamp	105
LJ Gentle Grip Clamp	105
CH Heavy Duty Horizontal Plate Clamp	106
TTR Girder Clamp	106
CP Pile Pinching Clamp	107
TTG Horizontal Girder Clamp	107
CG Girder Turning Clamp	108
THK Horizontal	108
HG Clamp	109
CTP	109
Screwlok Beam Clamp with Shackle	110
SC Twin Beam Clamp	110
THS	111
TSH	111
BTG	112
BTR	112
MRC	112
CLB Container Lifting Clamps	113
HGC Hand Grip	113
Cady Lifters	114-115

Hoist Rings

Hoist Ring Forged



- Pivots 180° and swivels 360° simultaneously
- Back and side pins constructed of one piece of forged alloy steel
- 100% magnetic particle inspected
- Bale and center body are closed die forged to assure superior grain flow and consistent dimensional accuracy
- Large bale allows use of a variety of hook sizes



Product Code	Rated Load	Dimensions							Torque Load	Weight
		A	B	D	E	F	Thread	M		
Imperial										
	lb.	in.	in.	in.	in.	in.	in.	in.	Ft.-Load	lb.
433112	500	0.65	2.29	0.44	0.56	3.23	1/4-20	1.57	5	0.50
433212	800	0.65	2.29	0.44	0.56	3.23	5/16-18	1.51	7	0.52
433214	800	0.65	2.29	0.44	1.06	3.23	5/16-18	1.51	7	0.54
433312	1,000	0.65	2.29	0.44	0.56	3.23	3/8-16	1.45	12	0.56
433314	1,000	0.65	2.29	0.44	1.06	3.23	3/8-16	1.45	12	0.58
433512	2,500	1.00	3.50	0.75	0.75	5.31	1/2-13	2.56	28	1.71
433515	2,500	1.00	3.50	0.75	1.00	5.31	1/2-13	2.56	28	1.72
433516	2,500	1.00	3.50	0.75	1.25	5.31	1/2-13	2.56	28	1.82
433612	4,000	1.00	3.50	0.75	0.75	5.31	5/8-11	2.44	60	1.76
433614	4,000	1.00	3.50	0.75	1.00	5.31	5/8-11	2.44	60	1.78
433615	4,000	1.00	3.50	0.75	1.25	5.31	5/8-11	2.44	60	1.88
433714	5,000	1.00	3.50	0.75	1.00	5.31	3/4-10	2.31	100	1.89
433716	5,000	1.00	3.50	0.75	1.50	5.31	3/4-10	2.31	100	2.02
433102	7,000	1.40	5.10	1.00	1.20	7.00	3/4-10	3.20	100	7.23
433103	7,000	1.40	5.10	1.00	1.70	7.00	3/4-10	3.20	100	7.25
433101	8,000	1.40	5.10	1.00	1.20	7.00	7/8-9	3.07	160	7.33
433105	10,000	1.40	5.10	1.00	1.45	7.00	1-8	2.95	230	7.57
433106	10,000	1.40	5.10	1.00	1.70	7.00	1-8	2.95	230	7.63
433107	10,000	1.40	5.10	1.00	2.45	7.00	1-8	2.95	230	7.84
433401	15,000	2.00	6.75	1.25	2.63	9.22	11/4-7	3.74	470	16.00
433420	20,000	2.00	6.75	1.25	2.63	9.22	13/8-6	3.62	670	17.20
433424	24,000	2.00	6.75	1.25	2.63	9.22	11/2-6	3.49	800	18.10
433427	30,000	2.00	6.75	1.25	2.96	9.22	2-4.5	3.49	800	22.90
433432	30,000	2.00	6.75	1.25	2.96	9.22	2-8	3.49	800	22.90

⚠ WARNING ⚠

Improper installation and use of hoist rings can cause injury

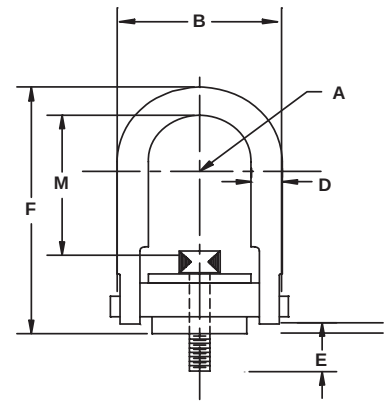
To avoid injury:

- Do not exceed rated load.
- Install rings per instructions. Verify full 360° seating - Retorque periodically.
- Consult angular lifting graph when lifting at other than 90°.

Hoist Ring Machined



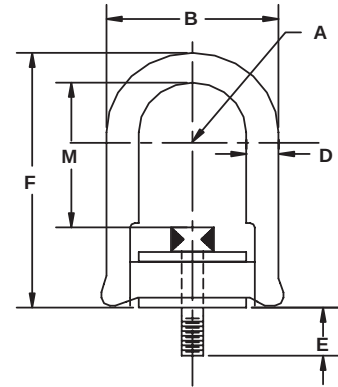
- Pivots 180° and swivels 360° simultaneously
- Bale and shoulder pin machined from alloy steel
- Patented design provides shoulder pin retention with specialized clip
- Easily disassembled for periodic non-destructive inspection
- Special available in stainless steel and metric sizes



Product Code	Rated Load	Dimensions							Weight
		A	D	E	F	Thread	H	M	
Imperial									
	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
423050	550	0.43	0.38	0.29	2.67	1/4-20	1.84	1.33	0.30
423051	800	0.43	0.38	0.29	2.67	5/16-18	1.84	1.27	0.31
423052	800	0.43	0.38	0.54	2.67	5/16-18	1.84	1.27	0.31
423053	1,000	0.43	0.38	0.54	2.67	3/8-16	1.84	1.21	0.31
423301	2,500	0.70	0.50	1.07	3.77	1/2-13	2.58	1.84	1.00
423004	2,500	0.88	0.75	0.78	4.78	1/2-13	3.52	2.31	2.31
423322	2,500	0.88	0.75	0.78	6.72	1/2-13	3.52	4.25	2.75
423005	2,500	0.88	0.75	1.03	4.78	1/2-13	3.52	2.31	2.31
423323	2,500	0.88	0.75	1.03	6.72	1/2-13	3.52	4.25	2.00
423006	2,500	0.88	0.75	1.28	4.78	1/2-13	3.52	2.31	2.31
423324	2,500	0.88	0.75	1.28	6.72	1/2-13	3.52	4.25	2.75
423001	4,000	0.88	0.75	0.78	4.78	5/8-11	3.52	2.18	2.44
423002	4,000	0.88	0.75	1.03	4.78	5/8-11	3.52	2.18	4.44
423320	4,000	0.88	0.75	1.03	6.72	5/8-11	3.52	4.12	2.88
423003	4,000	0.88	0.75	1.28	4.78	5/8-11	3.52	2.18	2.44
423321	4,000	0.88	0.75	1.28	6.72	5/8-11	3.52	4.12	2.88
423007	5,000	0.88	0.75	1.03	4.78	3/4-10	3.52	2.06	2.56
423009	5,000	0.88	0.75	1.53	4.78	3/4-10	3.52	2.06	2.56
423327	5,000	0.88	0.75	1.53	6.72	3/4-10	3.52	4.00	3.00
423102	7,000	1.40	1.00	1.04	6.52	3/4-10	5.14	3.06	6.63
423329	7,000	1.40	1.00	1.04	8.11	3/4-10	5.14	4.65	7.25
423103	7,000	1.40	1.00	1.54	6.52	3/4-10	5.14	3.06	6.63
423330	7,000	1.40	1.00	1.54	8.11	3/4-10	5.14	4.65	6.63
423101	8,000	1.40	1.00	1.04	6.52	7/8-9	5.14	2.93	6.75
423328	8,000	1.40	1.00	1.04	8.11	7/8-9	5.14	4.52	6.75
423105	10,000	1.40	1.00	1.29	6.52	1-8	5.14	2.81	7.00
423331	10,000	1.40	1.00	1.29	8.11	1-8	5.14	4.40	7.00
423332	10,000	1.40	1.00	1.54	8.11	1-8	5.14	4.40	7.00
423106	10,000	1.40	1.00	1.54	6.52	1-8	5.14	2.81	7.00
423107	10,000	1.40	1.00	2.29	6.52	1-8	5.14	2.81	7.00
423333	10,000	1.40	1.00	2.29	8.11	1-8	5.14	4.4	7.00
423401	15,000	1.75	1.25	1.89	8.73	1-1/4-7	6.50	4.12	14.00
423202	24,000	2.25	1.75	2.70	12.47	1-1/2-6	8.55	6.41	33.75
423200	30,000	2.25	1.75	2.96	12.47	2-4-1/2	8.55	5.41	36.00
423501	50,000	3.00	2.25	4.00	16.87	2-1/2-8	11.67	8.03	87.50
423503	50,000	3.00	2.25	4.00	16.87	2-1/2-4	11.67	8.03	87.50
423600	75,000	3.75	2.75	5.20	19.50	3-4	14.15	8.48	166.00
423701	100,000	4.00	3.25	7.00	22.09	3.5-4	15.90	9.28	240.00

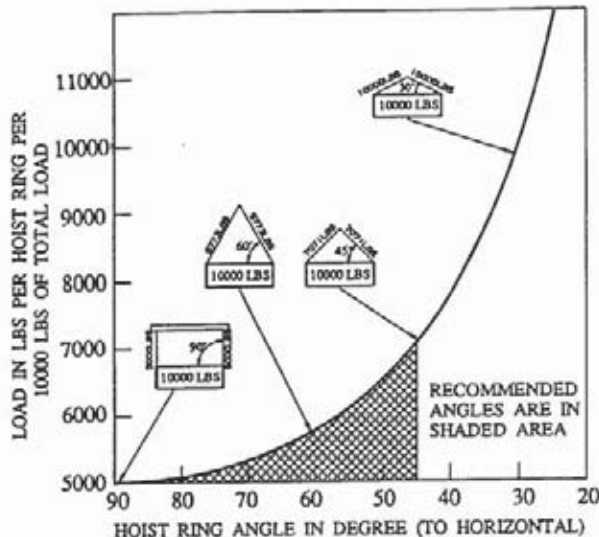
Hoist Rings

Hoist Ring (Metric)

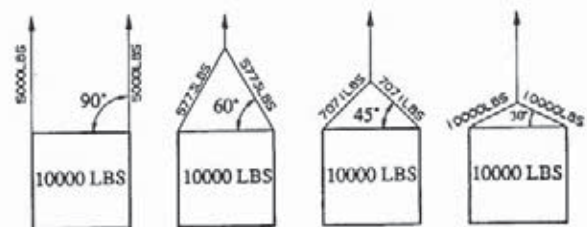


Product Code	Rated Load	Dimensions							Torque Load N.M.	Weight
		A	B	D	E	F	Thread	M		
Imperial										
	Kg	mm	mm	mm	mm	mm		mm		Kg
434212	400	16.50	58.20	11.10	16.00	82.00	M8x 1.25	38.50	9.50	0.24
434214	400	16.50	58.20	11.10	21.00	82.00	M8 x 1.26	38.50	9.50	0.25
434312	450	16.50	58.20	11.10	16.00	82.00	M10 x 1.5	36.50	16.00	0.25
434314	450	16.50	58.20	11.10	26.00	82.00	M10 x 1.5	36.50	16.00	0.26
434515	1,050	25.40	88.90	19.10	25.00	134.90	M12 x 1.75	65.00	37.00	0.78
434516	1,050	25.40	88.90	19.10	32.00	134.90	M12 x 1.75	65.00	37.00	0.83
464614	1,900	25.40	88.90	19.10	25.00	134.90	M16 x 2.0	62.00	80.00	0.81
464615	1,900	25.40	88.90	19.10	32.00	134.90	M16 x 2.0	62.00	80.00	0.85
434714	2,200	25.40	88.90	19.10	25.00	134.90	M20 x 2.5	58.70	135.00	0.86
434716	2,200	25.40	88.90	19.10	38.00	134.90	M20 x 2.5	58.70	135.00	0.92
434101	3,000	35.60	129.50	25.40	28.00	177.80	M20 x 2.5	81.00	135.00	3.14
434102	4,200	35.60	129.50	25.40	28.00	177.80	M24 x 3.0	76.30	311.00	3.29
434103	4,200	35.60	129.50	25.40	38.00	177.80	M24 x 3.0	76.30	311.00	3.30
434105	4,500	35.60	129.50	25.40	38.00	177.80	M30 x 3.5	70.30	311.00	3.44
434107	4,500	35.60	129.50	25.40	48.00	177.80	M30 x 3.5	70.30	311.00	3.55
434401	7,000	50.80	171.50	31.80	67.00	234.20	M30 x 3.5	95.00	637.20	7.26
434402	11,000	50.80	171.50	31.80	67.00	234.20	M36 x 4.0	88.60	1085.50	8.21
434403	12,500	50.80	171.50	31.80	80.00	234.20	M42 x 4.5	88.60	1085.50	10.14
434404	13,500	50.80	171.50	31.80	80.00	234.20	M48 x 5.0	88.60	1085.50	10.59

Angular Lifting Graph



Effect of Hoist Ring Angle on Load

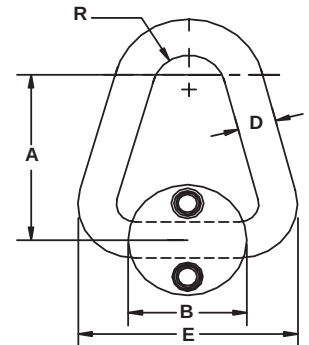


INSTALLATION INSTRUCTIONS: Drill and tap workpiece for hoist ring screw with axis vertical to mounting surface. Work surface should be flat and smooth to provide full 360° flush seating for the bushing flange. (SAFETY NOTE: Some loosening may develop after prolonged service in a permanent installation. It is advisable to periodically re-tighten the mounting screw to maintain the specified torque value.) The use of free fit spacers between the bushing flange and mounting surface is not recommended as this will reduce the safe load rating on angularly applied loads. Hoist ring must be free to swivel 360° and pivot 180° at all times.

Hoist Ring Swivel



- Hoist Rings are heat treated
- 6:1 design factor
- Screws are not included

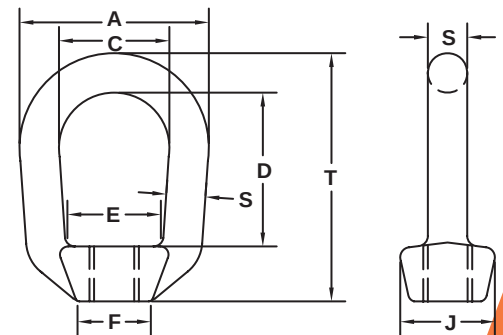


Product Code	Rated Load	Dimensions					Torque Load	Weight	High Strength Screws		
		A	B	D	E	R			Product Code	Screw Thread	Screw Length
Imperial											
	lb.	in.	in.	in.	in.	in.	Ft.-Load	lb.			in.
434030	2,000	2	1-3/4	5/16	2-1/2	1/2	4-7	1.72	423812	43,236	1.25
434035	2,500	2-1/2	2-1/4	3/8	3-3/16	5/8	7-10	1.82	423813	42,437	1.25
434040	5,500	3	2-5/8	1/2	3-7/8	3/4	20-25	1.89	423804	41,276	2.00
434045	12,000	4	3-1/8	3/4	5-1/4	7/8	20-25	2.50	423805	41,276	2.25
434050	20,000	5	3-5/8	1	6-3/16	1	42-50	6.80	433645	40,671	2.75

Tapped Eye Nuts



- Forged steel
- Heat treated
- Meets the requirements of ASME B30.26
- Hot galvanized per ASTM A153



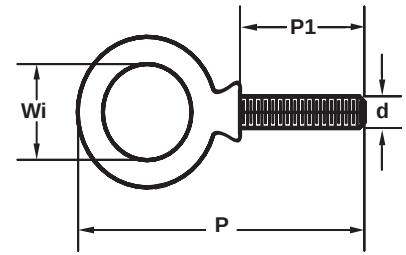
Size S	Working Load Limit	Product Code			Thread Hole	Dimensions							Weight
		Galvanized	Self Colored	As Forged		A	C	D	E	F	J	T	
Imperial													
in.	lb.					in.	in.	in.	in.	in.	in.	in.	lb.
3/8	2,250	M2602	M2602SC	1X2102	1/2 - 13	2.00	1.250	1.812	1.000	0.88	1.063	2.87	0.30
1/2	3,600	M2603	M2603SC	1X2103	5/8 - 11	2.50	1.500	2.063	1.160	0.94	1.312	3.31	0.58
5/8	5,200	M2604	M2604SC	1X2104	3/4 - 10	3.00	1.750	2.437	1.375	1.19	1.500	4.00	0.97
3/4	7,200	M2607	M2607SC	1X2107	7/8 - 9	3.50	2.000	2.687	1.625	1.31	1.875	4.50	1.76
1	15,500	M2609	M2609SC	1X2109	1 1/4 - 7	4.75	2.750	3.531	2.000	1.50	2.062	5.88	3.81
1-1/8	18,500	M2611	M2611SC	1X2111	1 3/8 - 6	5.50	3.250	3.875	2.531	2.06	3.000	6.73	6.25

Shoulder Eyebolts

Shoulder Eyebolts



- Forged Steel
- Heat treated, quenched & tempered
- Meets IFI standards, ASTM A 489, ANSI/ASME, B18.5



Shank Diameter	Product Code	Working Load Limit	Dimensions				Weight
			Wi	P1	P	d Thread (UNC-2A)	
Imperial							
in.		lb.	in.	in.	in.	in.	lb.
1/4	456920	500	0.750	1.000	2.39	1/4 - 20	0.06
5/16	456921	900	0.870	1.120	2.80	5/16 - 18	0.11
3/8	456922	1,300	1.000	1.250	3.22	3/8 - 16	0.18
7/16	496933	1,800	1.094	1.375	3.59	7/16 - 14	0.22
1/2	456923	2,400	1.188	1.500	3.96	1/2 - 13	0.35
5/8	456924	4,000	1.375	1.750	4.69	5/8 - 11	0.70
3/4	456925	5,000	1.500	2.000	5.28	3/4 - 10	1.10
7/8	456926	7,000	1.690	2.500	6.04	7/8 - 9	1.70
1	456927	9,000	1.810	2.500	6.67	1 - 8	2.36
1-1/8	456930	12,000	2.000	2.750	7.44	1 1/8 - 7	3.98
1-1/4	456928	15,000	2.180	3.000	8.12	1 1/4 - 7	4.68
1-1/5	456929	21,000	2.500	3.500	9.49	1 1/2 - 6	7.77

Note:

- Do not exceed the working load limit - reduce the working load limit according to the adjacent table if loading other than true vertical. Inspect eyebolts before use. Do not use if bent more than 15° or if wear of more than 10% of original dimension is evident.
- Install with shoulder at 90° to axis of hole to assure total contact of shoulder. Torque nut/eyebolt to assure proper seating. Check seating after initial loading.
- If installing in tapped hole, make sure depth of thread engagement is at least 1-1/2 times bolt diameter. Thread fit must also be good-tight, not loose-sloppy.
- Where eyebolts must be aligned, a washer or shim may be placed under the shoulder to permit alignment when tightened.
- To minimize the bending movement, always apply load in the direction of the plane of eye. Reduce working load limit according to table if loading other than true vertical
- Never insert a hook tip in an eyebolt to load.
- Do not use a sling reeved through an eyebolt or a pair of eyebolts using a shackle.

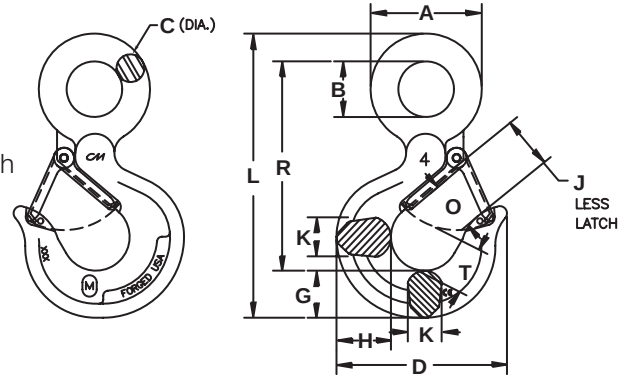
Shoulder Eyebolt Working Load Limit				
Angle of Loading				
True Vertical	75°	65°	45°	Less than 45°
Full working load limit	55% of full WLL	35% of full WLL	25% of full WLL	DO NOT USE
Refer to Full Specifications for Full Working Load Limits				

If in doubt, consult a rigging handbook or discuss with a qualified person

Rigging Hook



- Built in distortion detectors
- Load rating marked on each hook body
- Proof load 2 times WLL
- Design factor 5:1
- Pre-drilled latch tab allows addition of latch
- Carbon hooks have a clear protective coating to resist rust and for cleaner handling (use suffix "C" when ordering carbon clear finish, use suffix "G" when ordering hot dip galvanized)

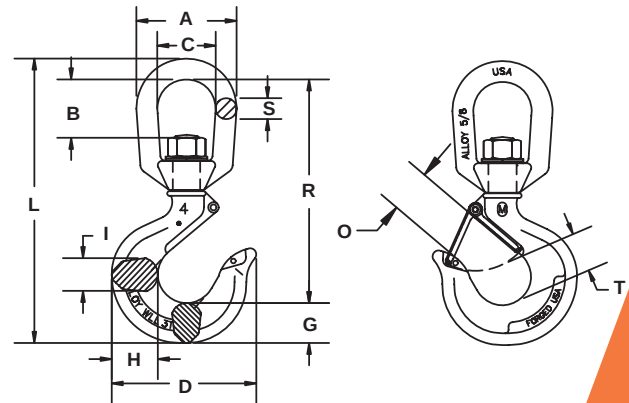


Alloy			Carbon			Dimensions													Weight
WLL	Product Code w/o latch	Product Code w/ latch	WLL	Product Code w/o latch	Product Code w/ latch	A	B	C	D	G	H	J	K	L	O	R	T		
Imperial																			
ton			ton			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.	
1	M6402A	M6502A	3/4	M6402C	M6502C	1.50	0.75	0.38	3.06	0.87	1.05	0.93	0.63	4.37	0.93	3.13	0.87	0.66	
1-1/2	M6403A	M6503A	1	M6403C	M6503C	1.75	0.88	0.44	3.33	0.94	1.11	0.97	0.71	5.04	0.97	3.66	0.97	1.12	
2	M6404A	M6504A	1-1/2	M6404C	M6504C	2.13	1.13	0.50	3.67	1.06	1.21	1.06	0.88	5.63	1.06	4.09	1.03	1.46	
3	M6405A	M6505A	2	M6405C	M6505C	2.50	1.25	0.63	4.20	1.27	1.43	1.19	0.94	6.55	1.16	4.67	1.16	2.42	
5	M6407A	M6507A	3	M6407C	M6507C	3.06	1.56	0.75	5.11	1.44	1.63	1.50	1.31	7.97	1.41	5.78	1.53	4.10	
7	M6409A	M6509A	5	M6409C	M6509C	3.88	2.00	0.94	6.24	1.82	2.01	1.78	1.68	10.07	1.69	7.31	1.94	8.16	
11	M6411A	M6511A	7-1/2	M6411C	M6511C	4.69	2.44	1.13	7.89	2.25	2.63	2.38	1.88	12.41	2.19	9.03	2.52	15.60	
15	M6415A	M6515A	10	M6415C	M6515C	5.34	2.84	1.25	8.37	2.59	2.94	2.50	2.19	14.05	2.30	10.21	2.54	21.58	
22	M6422A	M6522A	15	M6422C	M6522C	6.63	3.50	1.56	10.19	3.00	3.50	3.30	2.69	17.37	3.12	12.81	2.73	39.89	

Swivel Rigging Hook



- Design factor 5:1
- Pre-drilled for latches
- Hook and latch assemblies furnished separately
- Painted orange
- Carbon swivel hooks are technically advanced Micro-alloy which requires no secondary heat treat
- Alloy swivel hooks are heat treated quenched and tempered

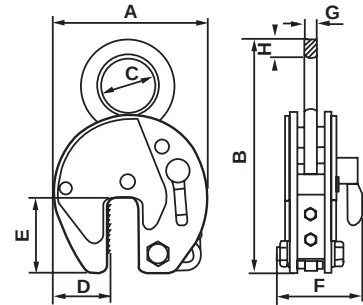


Alloy			Carbon			Dimensions												Weight
WLL	Product Code w/o latch	Product Code w/ latch	WLL	Product Code w/o latch	Product Code w/ latch	A	B	C	D	G	H	I	L	R	S	T	O	
Imperial																		
ton			ton			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
1	M3402A	M3502A	3/4	M3402C	M3502C	2.00	1.11	1.25	3.06	0.87	1.05	0.63	5.83	4.63	0.38	0.87	0.93	1.05
1-1/2	M3403A	M3503A	1	M3403C	M3503C	2.50	1.38	1.50	3.33	0.94	1.11	0.71	6.83	5.44	0.50	0.97	0.97	1.56
2	M3404A	M3504A	1-1/2	M3404C	M3504C	3.00	1.65	1.75	3.67	1.06	1.21	0.88	7.76	6.25	0.63	1.03	1.06	2.50
3	M3405A	M3505A	2	M3405C	M3505C	3.00	1.65	1.75	4.20	1.27	1.43	0.94	8.40	6.49	0.063	1.16	1.16	3.20
5	M3407A	M3507A	3	M3407C	M3507C	3.50	1.77	2.00	5.11	1.44	1.63	1.31	9.76	7.53	0.75	1.53	1.41	5.36
7	M3409A	M3509A	5	M3409C	M3509C	4.75	2.39	2.75	6.24	1.82	2.01	1.68	12.42	9.67	1.00	1.94	1.69	10.56
11	M3411A	M3511A	7-1/2	M3411C	M3511C	5.50	2.55	3.25	7.69	2.25	2.63	1.88	14.89	12.06	1.13	2.46	2.22	19.00
15	M3415A	M3515A	10	M3415C	M3515C	6.00	2.47	3.50	8.37	2.59	2.94	2.19	15.79	11.95	1.25	2.62	2.23	26.75
22	M3422A	M3522A	15	M3422C	M3522C	7.75	3.82	4.75	10.19	3.00	3.50	2.69	21.18	16.68	1.50	2.74	3.05	51.80



CZ Universal Plate Clamp

- Body of clamp is welded construction
- Can be used to lift plate from horizontal to vertical position and vice versa
- Standard clamp is fitted with a hook ring that can be replaced with a short length of chain and master link
- Clamp jaws and pads are manufactured from high tensile steel



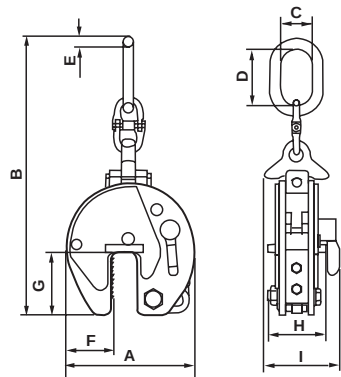
Model	Working Load Limit		Jaw Capacity	Dimensions								Weight
	Min	Max		A	B	C	D	E	F	G	H	
Imperial												
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
CZ920.5	120	1,100	0 to 5/8	3.898	7.677	1.142	1.299	1.850	1.969	1.890	0.433	3.3
CZ921.5	350	3,300	0 to 3/4	4.961	8.858	1.969	1.929	2.756	3.228	2.165	0.472	6.6
CZ922	450	4,400	0 to 1-1/4	7.559	12.283	3.150	2.953	3.780	3.937	3.189	0.787	17.6
CZ923	675	6,600	0 to 1-1/4	7.559	12.283	3.150	2.953	3.780	3.937	3.189	1.181	22.0
CZ924	1,100	8,800	0 to 1-1/4	7.756	14.606	3.150	2.677	3.661	5.079	0.787	1.181	26.5
CZ924/L*	1,100	8,800	1-1/8 to 2-	8.976	15.354	3.150	2.677	3.661	5.079	0.787	1.181	39.7
CZ926	1,600	13,200	0 to 2	11.535	19.055	3.504	3.740	5.630	5.079	0.984	1.378	46.3
CZ928	2,150	17,600	0 to 2	11.535	19.370	3.504	3.740	5.630	5.079	0.984	1.654	57.3
CZ928/L*	2,150	17,600	2 to 4	14.252	20.630	3.504	4.488	5.630	5.079	0.984	1.654	70.5
CZ9210	3,350	22,000	0 to 2	11.535	21.457	4.331	3.740	5.630	5.472	0.984	1.772	66.1
CZ9210/L	3,350	22,000	2 to 4	14.252	21.457	4.331	4.488	5.630	5.472	0.984	1.772	81.6
CZ9215*	6,650	33,000	0 to 2	14.173	24.134	5.118	4.921	6.378	8.031	1.772	2.165	165.3
CZ9215/L*	6,650	33,000	2 to 4	18.110	26.693	5.118	6.890	6.378	8.031	1.772	2.165	194.0
CZ9220*	8,850	44,000	0 to 2-1/2	18.189	29.724	5.118	6.496	8.268	9.252	1.772	2.559	271.2
CZ9220/L*	8,850	44,000	2-1/2 to 5	22.047	31.693	5.118	7.677	8.268	9.252	1.772	2.559	299.8
CZ9230*	13,250	66,000	0 to 2-1/2	18.189	28.819	2.362	6.496	8.268	11.614	2.559	-	429.9

*Not Stocked



CX Heavy-Duty Hinged Universal Plate Clamp

- Designed to handle plate at any angle
- Can be used to lift plate from horizontal to vertical position and vice versa
- Vertically racked plates can be turned over due to the in-built lifting eye and link
- Fitted with a cam operated closing mechanism that can be replaced with a chain pull open/close mechanism



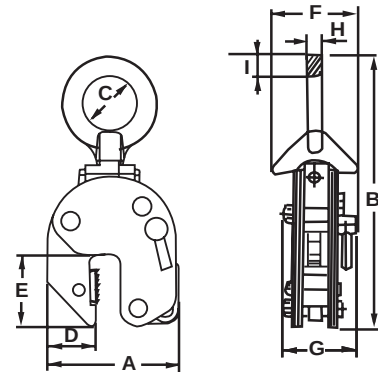
Model	Working Load Limit		Jaw Capacity	Dimensions									Weight
	Min	Max		A	B	C	D	E	F	G	H	I	
Imperial													
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
CX3	1,000	6,600	0 to 1-1/4	7.756	20.276	2.638	5.433	0.748	2.677	3.661	3.189	4.331	26.5
CX6	2,650	13,200	0 to 2	11.496	29.016	3.740	6.929	1.102	3.740	5.630	5.394	7.402	83.8
CX6/L*	2,650	13,200	2 to 4	14.449	30.906	3.858	7.087	1.102	4.528	5.630	5.315	7.402	105.8
CX8*	3,550	17,600	0 to 2	11.496	29.016	3.858	6.929	1.102	3.740	5.630	5.354	8.268	86.0
CX8/L*	3,550	17,600	2 to 4	14.449	30.906	3.858	7.087	1.102	4.528	5.630	5.354	8.268	112.4
CX10*	4,400	22,000	0 to 2	14.173	35.551	4.331	7.677	1.299	4.921	6.378	6.693	8.780	134.5
CX10/L*	4,400	22,000	2 to 4	17.559	36.260	4.409	7.677	1.299	6.614	6.378	6.693	8.780	167.5

*Not Stocked



CY Hinged Universal Plate Clamp

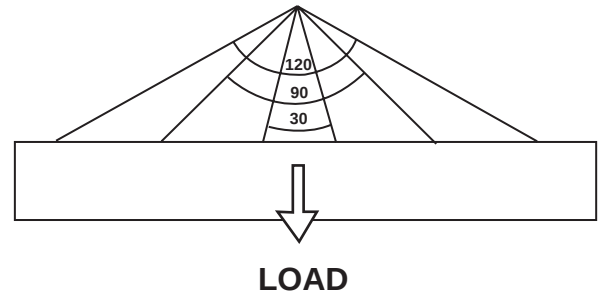
- Hinged hook ring enabling the clamp to be used at any angle
- Fitted with a cam operated closing mechanism that can be replaced with a chain pull open/close mechanism
- Fitted with hardened serrated teeth jaws and pads that are suitable for gripping steel



Model	Working Load Limit		Jaw Capacity	Dimensions								
	Min	Max		A	B	C	D	E	F	G	H	I
				Imperial								
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
CY1	450	2,200	0 to 3/4	4.961	10.630	1.969	1.929	2.756	3.740	2.480	0.472	0.906
CY2	900	4,400	0 to 1-1/4	7.559	15.039	3.150	2.953	3.780	5.197	3.622	0.787	1.181
CY3	1,350	6,600	0 to 1-1/4	7.559	15.039	3.150	2.953	3.780	5.197	3.622	0.787	1.181

Safe loads for two clamps

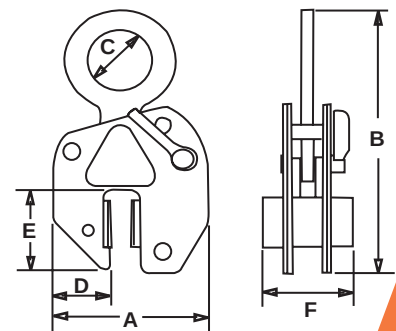
Angle	Model Code		
	CY1	CY2	CY3
Imperial			
degrees	lb.	lb.	lb.
0-30	4,400	8,800	13,200
30-90	2,200	4,400	6,600
90-120	1,100	2,200	3,300



LJ Gentle Grip Clamp



- Designed to lift plates without marking or damaging the surface finish
- Particularly suitable for lifting thin gauge steel plate, aluminum and stainless steel

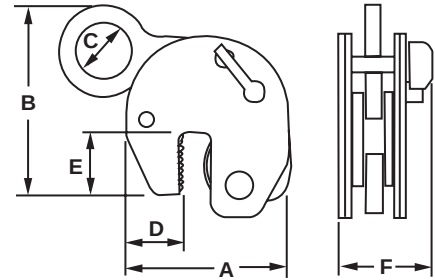


Model	Working Load Limit		Jaw Capacity	Dimensions						Weight
	Min	Max		A	B	C	D	E	F	
	Imperial									
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
LJ0.5	60	1,100	0 to 3/8	5.000	7.874	2.165	2.047	2.717	2.992	7.7
LJ1.5	400	3,300	0 to 3/4	8.465	13.583	3.346	2.953	5.315	4.646	26.5

TTR Girder Clamp



- Designed to lift and transport structural steel beams in horizontal position
- Clamp designed with the hook as near as possible to the center of gravity of the beam
- Long beams should be lifted using 2 clamps attached to opposite beam flanges



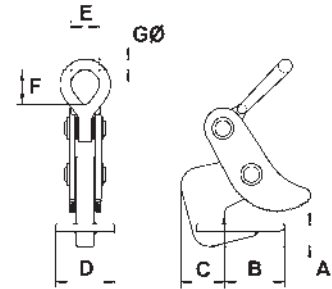
Model	Working Load Limit		Flange	Dimensions						Weight
	Min	Max		A	B	C	D	E	F	
Imperial										
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
TTRO.75	90	1,600	1/4 to 5/8	5.375	7.500	2.000	1.750	2.375	3.500	7.7
TTR1.5	350	3,300	1/4 to 1	7.500	10.625	2.625	2.625	3.000	4.875	22.0
TTR3*	700	6,600	1/4 to 1	8.250	9.875	3.500	2.625	3.375	5.000	26.5

*Not Stocked

CH Heavy Duty Horizontal Plate Clamp



- Used in pairs the CH clamp is designed for loading process machines and to lift and transport sheet steel plate in horizontal position
- Standard smooth jaw can be replaced with serrated hardened steel teeth by request
- Designed to be used with 2 legged slings only



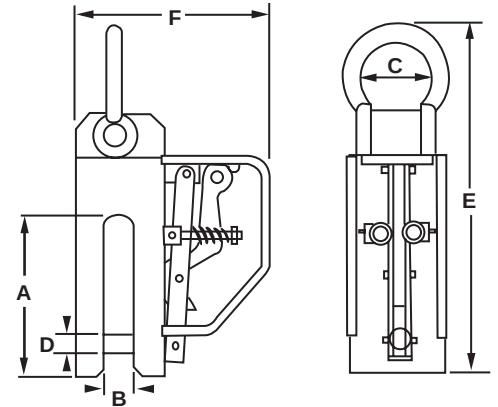
Model	Working Load Limit	Jaw Capacity	Dimensions							Weight
			A	B	C	D	E	F	G	
Imperial										
	lb.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
CH1	2,200	1/4 to 1-1/4	0.591	3.228	2.362	3.937	1.260	1.732	0.512	13.2
CH2	4,400	1/4 to 1-1/4	1.181	3.228	2.362	3.937	1.969	2.874	0.709	24.3
CH2/L	4,400	3/4 to 2	1.181	3.228	2.362	3.937	1.969	2.874	0.709	26.5
CH4	8,800	1/4 to 1-1/4	1.575	4.409	3.150	3.937	2.520	3.622	0.984	37.5
CH4/L	8,800	2 to 4	1.575	4.409	3.150	3.937	2.520	3.622	0.984	50.7
CH6	13,200	1/4 to 3	2.165	6.772	3.937	5.118	3.543	5.118	1.378	101.4
CH6/L	13,200	2 to 5	2.165	6.772	3.937	5.118	3.543	5.118	1.378	123.5
CH8	17,600	1/4 to 3	2.165	6.772	4.134	5.118	3.543	5.118	1.378	116.8
CH8/L	17,600	2 to 5	2.165	6.772	4.134	5.118	3.543	5.118	1.378	132.3
CH10	22,000	1/4 to 4	2.559	8.465	4.724	5.906	4.488	5.118	1.378	209.4
CH10/L	22,000	2 to 6	2.559	8.465	4.724	5.906	4.488	5.118	1.378	238.1
HH8*	17,600	1/4 to 2	2.165	6.614	4.134	5.118	4.134	5.118	3.543	46.3
HH8/L	17,600	2 to 4	2.165	6.614	4.134	5.118	3.543	4.488	1.378	61.7

*Not Stocked

CP Pile Pinching Clamp



- Designed specifically for pinching sheet steel piling and have the advantage that a rope is fitted for easy release from ground level
- Perfect designed clamp for heavy construction
- Rope is fitted for easy release from the ground
- These are not designed to extract driven piles, use the PP series clamps for this



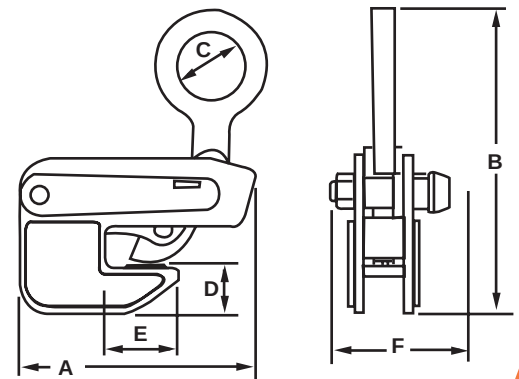
*These clamps are not designed to extract a driven pile and must NOT be used for this under and circumstance.

Model	Working Load Limit	Dimensions						Weight
		A	B	C	D	E	F	
Imperial								
	lb.	in.	in.	in.	in.	in.	in.	lb.
CP2	4,400	8.976	0.787	2.000	0.787	16.750	8.500	41.9
CP3	6,600	8.976	1.024	2.500	1.181	17.875	8.875	50.7
CP5	11,000	8.976	1.378	3.250	1.181	19.875	9.500	72.8

TTG Horizontal Girder Clamp



- Designed to lift and transport structural steel beams in horizontal position
- Fitted with a Camlok spring operated safety lock and is operated by pulling the lock upwards
- Long beams should be lifted using 2 clamps attached to opposite beam flanges



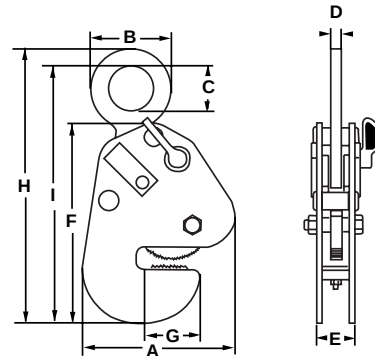
Model	Working Load Limit		Plate	Dimensions						Weight
	Min	Max		A	B	C	D	E	F	
Imperial										
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
TTG1.5	200	3,300	0 to 1-1/8	9.000	10.875	3.750	1.750	2.750	4.000	12.1
TTG3	350	6,600	0 to 1-3/8	11.125	11.625	3.125	2.125	2.875	4.500	24.3
TTG4.5*	1,000	9,900	0 to 1-1/2	12.375	13.250	3.500	2.375	3.000	4.625	32.0
TTG7.5*	1,650	16,500	0 to 1-3/4	14.500	15.000	4.375	2.500	3.625	6.625	61.7

*Not Stocked

CG Girder Turning Clamps



- Can be used on Beams, Fabrications, Channels, RSJ's
- Can lift and turn beams up to 90°
- Fitted with a cam/spring operated safety lock
- Long lengths of beam should use 2 clamps

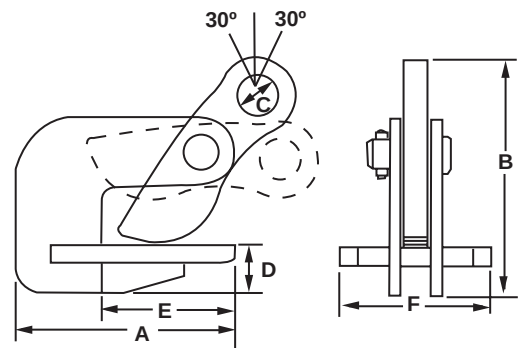


Model	Working Load Limit		Jaw Capacity	Dimensions									Weight
	Min	Max		A	B	C	D	E	F	G	H	I	
	Imperial												
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
CG 1	250	2,200	0 to 5/8	8.307	3.543	1.969	0.512	1.693	10.354	2.520	13.780	13.268	13.2
CG 2	450	4,400	0 to 1-1/4	11.417	5.512	3.150	0.787	2.362	12.480	3.937	18.307	17.126	30.9
CG 4	900	8,800	0 to 1-1/4	11.417	6.339	3.504	0.787	3.031	12.835	4.252	20.591	18.976	41.9
CG 6	1,350	13,200	7/16 to 2	13.268	6.732	3.504	0.984	4.055	14.764	5.709	21.693	20.630	81.6

THK Horizontal



- Designed to lift and transport structural steel beams in horizontal position
- Supplied with reverse jaw to insure grip increase as load is applied
- Long beams should be lifted using 2 clamps attached to opposite beam flanges



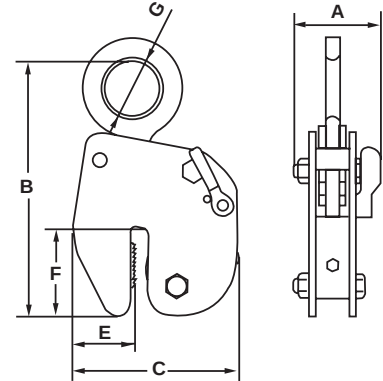
Model	Working Load Limit		Plate	Dimensions						Weight
	Min	Max		A	B	C	D	E	F	
Imperial										
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
THKO.75	90	1,600	0 to 1	4.625	5.375	0.750	1.000	2.875	3.125	6.6
THK1.5	200	3,300	0 to 1-3/8	5.375	6.625	1.000	1.250	3.125	3.500	13.2
THK4.5*	500	9,900	0 to 1-3/4	8.625	8.625	1.750	4.000	4.375	4.375	35.3
THK6.0*	700	13,200	0 to 2-3/8	8.375	10.500	1.375	1.875	4.875	4.375	50.7
THK9	1,000	19,800	0 to 2-3/8	8.750	11.375	1.625	2.250	4.500	5.500	77.2

*Not Stocked

HG



- Can be used on hot rolled structural steel plates
- Can be used to lift stainless steel plates or plates with harden surfaces due to cold rolling
- Lift plates from horizontal to vertical positions and vice versa through 180°
- Clamp has serrated teeth and will mark plate



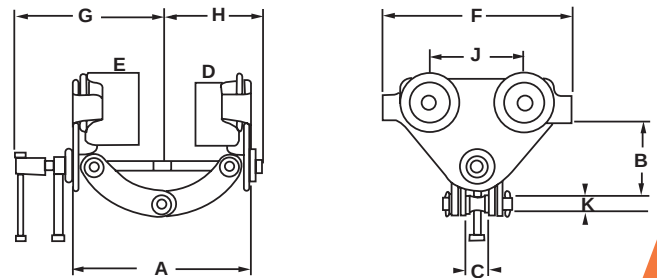
Model	Working Load Limit		Jaw Capacity	Dimensions							Weight
	Min	Max		A	B	C	D	E	F	G	
Imperial											
	lb.	lb.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
HG0.5	100	1,100	0 to 3/8	1.654	9.055	5.827	0.394	2.165	3.110	1.969	11.0
HG1	150	2,000	0 to 5/8	3.661	11.698	8.268	0.630	2.638	4.488	2.638	26.5
HG2	450	4,400	0 to 3/4	4.331	16.378	12.008	0.787	4.016	6.260	3.150	48.5
HG3*	700	6,600	0 to 3/4	4.331	16.378	12.008	0.787	4.016	6.260	3.150	59.5
HG4*	900	8,800	0 to 3/4	4.724	13.189	12.008	0.787	4.016	6.220	3.150	70.5

*Not Stocked

CTP



- Adjustable to fit various flange widths
- Pre lubricated ball bearings on each unit
- Easily attaches Hoist, Pulleys and Slings

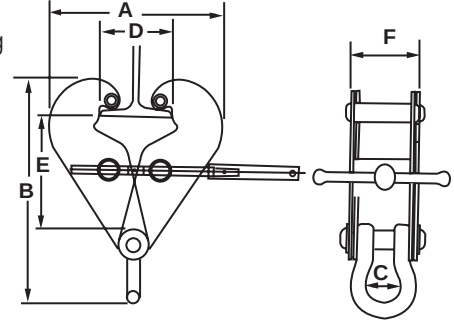


Model	Working Load Limit	Jaw Capacity	Min Curve Radius	Dimensions												Weight
				A		B		C	D	E	F	G	H	J	K	
				Min	Max	Min	Max									
Imperial																
	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
CTP1	2,200	2-3/8 to 5-7/8	0.035	3.740	7.283	3.228	4.291	1.024	2.598	2.874	6.299	6.024	4.134	2.953	0.866	4.9
CTP2	4,400	3 to 7-7/8	0.045	4.921	9.843	4.173	6.102	1.654	3.543	3.937	10.236	8.071	5.472	5.118	0.787	21.8
CTP3	8,800	3 to 7-7/8	0.055	5.315	10.236	5.039	6.732	1.969	4.331	4.921	12.205	8.661	6.102	5.906	0.866	38.6

Screwlok Beam Clamp with Shackles



- Designed to fit flanges of most structural beams
- Act as a semi-permanent lifting point for use with manual or electric hoists
- Shackle incorporated for load suspension



Model	Working Load Limit	Flange	Dimensions						Weight
			A	B	C	D	E	F	
Imperial									
	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
SC921	2,200	3 to 8-1/4	12.625	12.125	1.750	8.250	5.375	2.625	11.0
SC922	4,400	3 to 8-1/4	12.625	12.875	1.750	8.250	5.375	2.875	13.5
SC923	6,600	4 to 10-5/8	16.125	14.750	1.750	10.625	6.500	4.000	17.5
SC923/	6,600	3 to 12	17.375	16.500	1.750	12.000	8.625	4.000	20.0
SC925	11,000	4 to 10-5/8	16.125	15.375	2.125	10.625	8.500	4.375	22.0
SC925/	11,000	3 to 12	17.125	17.125	2.125	12.000	8.625	4.375	26.5
SC9210	22,000	3 to 12	18.125	20.000	3.250	12.000	8.625	4.375	35.5

SC Series Twin Beam Clamp



- Enables one beam to be suspended beneath another
- Quickly and easily attaches to both beams
- Supplied fixed at parallel, at 90 degrees to each other or with swivel that allows 360 degree rotation
- Used for supporting vertical loads only

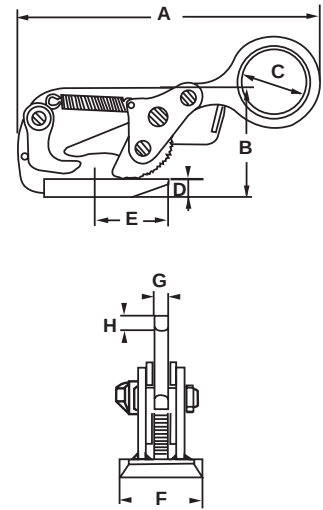
Model	Working Load Limit	Flange Width		Weight
		Minimum	Maximum	
Imperial				
	lb.	in.	in.	lb.
SC922T	4,400	2.995	8.387	28.7
SC923T	6,600	3.994	10.783	35.3
SC923/LT	6,600	2.995	12.181	44.1
SC925/T	11,000	3.994	10.783	50.7
SC925/LT*	11,000	2.995	12.181	59.5

*Not Stocked

THS



- Spring lever for locking into place
- Can be used in single or 2 leg slings
- Use lifting beams for longer plates
- Do not use with endless or 3 or 4 leg slings
- Do not exceed 60° angle when lifting
- Do not lift plates with a temperature of 120° C (250°F) or higher
- Do not use to lift stainless steel, lead or copper

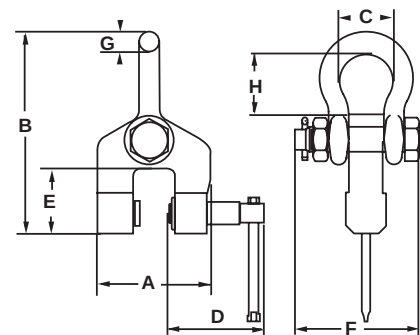


Model	Working Load Limit	Jaw Capacity	Dimensions								Weight
			A	B	C	D	E	F	G	H	
Imperial											
	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
THS0.75	1,600	0 to 3/4	10.039	3.819	1.969	0.591	2.756	3.150	0.472	0.591	6.6
THS1.5	3,300	0 to 1-3/8	13.189	4.724	2.756	0.787	3.150	3.543	0.591	0.669	13.2
THS3	9,900	0 to 1-3/4	17.717	7.717	3.543	2.323	4.331	4.331	0.787	1.181	37.5

TSH



- Offer the best means of holding and securing loads
- High force screw threads
- Hardened steel jaws
- Swivel jaws increases grip if plate moves
- Not recommended for lifting applications



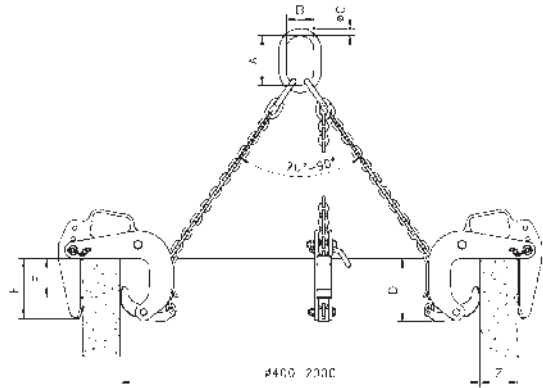
Model	Working Load Limit	Jaw Capacity	Dimensions								Weight
			A	B	C	D	E	F	G	H	
Imperial											
	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
TSH1.5	3,300	0 to 1-1/4	5.118	10.039	2.559	4.528	2.953	5.000	1.024	3.701	15.4
TSH3	6,600	0 to 2	6.693	11.417	2.913	4.921	3.346	5.669	1.181	4.646	24.3
TSH5	11,000	0 to 3-1/8	10.039	18.504	5.118	6.890	5.315	9.449	1.969	6.890	59.5

Camlok Clamps

BTG

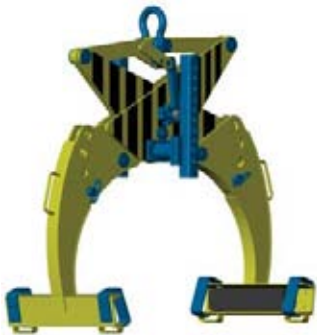


- Solid construction design
- Sold in sets of 3 with chain slings attached
- Simple handling
- Large jaw capacity
- Light weight design
- Service friendly



Model	Working Load Limit (Per set of 3)	Jaw Capacity (Z)	Dimensions						Weight
			A	B	C	D	E (Mouth)	F (Pressure Line)	
Imperial									
	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
BTG1500/3	3,300	1-1/2 to 4-3/4	5.315	5.315	0.709	7.087	6.496	3.937	75.0
BTG3000/3	6,600	2 to 7	6.890	3.937	1.024	12.205	9.646	6.890	132.3
BTG3000L/3	6,600	3-1/2 to 8-5/8	6.890	3.937	1.024	12.205	9.646	6.890	172.0

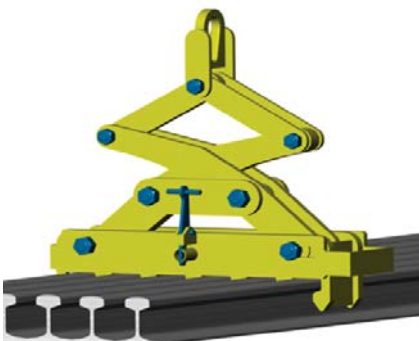
BTR



- Lift pipe diameters up to 60"
- Fitted with rubber pads to protect pipe
- Automatic open/close device
- Lifts and positions directly into trench
- Adjustable jaws to accommodate various size pipes

Model	Working Load Limit	Jaw Capacity		Weight
		Minimum	Maximum	
Imperial				
	lb.	in.	in.	lb.
BTR2.5/700	5,500	11	27	304.2
BTR2.5/1100	5,500	28	43	368.2
BTR3.5/600	7,700	12	23	291.0
BTR3.5/1000	7,700	24	39	352.7
BTR3.5/1500	7,700	40	59	385.8

MRC Multi Rail Grabs



- Modular design
- Various combo sections can fit onto one scissor lift
- Alternate combo sections can be purchased separately
- Allows for fast handling of bulk rails

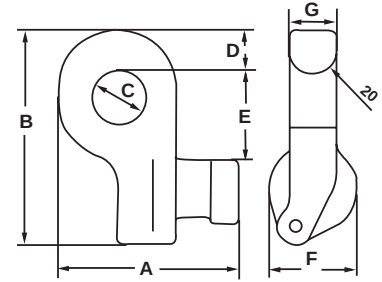
Model	Working Load Limit	Number of Rails	Width	Weight
Imperial				
	lb.	in.	in.	lb.
MRC4	11,000	4	Min 37 in.	441.0
MRC5	11,000	5	Overall size depends on type and number of rails	507.0
MRC6*	13,200	6		584.0
MRC7*	15,400	7		650.0
MRC8*	17,000	8		727.0

*Not Stocked

CLB Container Lifting Lugs



- Spring loaded bolt to prevent accidental release
- Mounted at the side of the container in either upper or lower holes
- Easy installation and removal
- Designed to eliminate the dangerous use of standard hooks

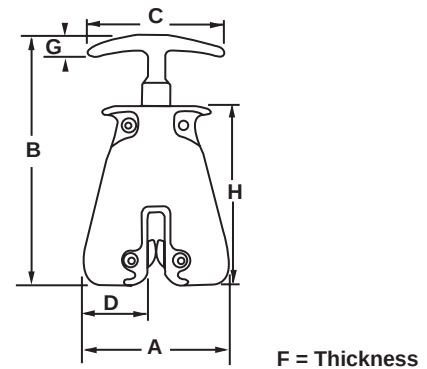


Model	Working Load Limit (Per set of 4)	Dimensions							Weight
		A	B	C	D	E	F	G	
Imperial									
	lb.	in.	in.	in.	in.	in.	in.	in.	lb.
CLB32	70,500	5.984	7.126	1.772	1.457	2.874	2.953	1.575	39.7
CLB40	88,100	5.984	7.126	1.772	1.457	2.874	2.953	1.575	39.7

HGC



- Additional lever in clamping mechanism provides a very high gripping force
- Can be used to lift plate from horizontal to vertical position and vice versa



Model	Working Load Limit	Plate	Dimensions								Weight
			A	B	C	D	E	F	G	H	
Imperial											
	lb.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb.
HGC	500	0 to 3/8	4.25	7.25	3.875	1.875	2.125	0.875	0.375	5.125	2.0

⚠ WARNING ⚠

Improper installation and use of clamps can cause injury

If not properly installed, operated and maintained, the use of all mechanical equipment presents the possibility of personal injury or property damage. Before using lifting clamps, become familiar with applicable installation, operation and maintenance requirements. Clamps should be used only by authorized, properly trained operators.

To avoid injury:

- Inspect clamps and equipment before use. Do not use if components are bent, elongated, gouged, nicked excessively, worn, or damaged. Make sure that nut, bolts, pins and other fasteners are tightened and secure. Make sure clamps are functional and will grip the load.
- Do not exceed the clamps' rated load or working load limit of other lifting equipment components.
- Lift only one plate at a time when using lifting clamps.
- Do not lift unbalanced loads. Avoid sudden jerks when applying the load. Rapid load application can produce overloading.
- Use clamps and lifting equipment only if authorized and properly trained.
- Always stand clear when lifting and lowering.
- Use more than one clamp suspended from a lifting beam when lifting long loads.
- Always gently lift and lower.

Cady Lifters

Cady Lifters represents a complete line of below the hook attachments for efficiently handling goods in industrial, construction, and related environments. The Cady team of welders conform to the Structural Welding Code of the American Welding Society, thus ensuring the consistency of the products manufactured. All products conform to the requirements of ANSI/ASME B30.20 for Below-the-Hook Lifting Devices.

In addition to the standard products shown here, custom solutions exist to satisfy the most challenging lifts. Products such as tongs, scissors, and grabs may be tailored to the exact application.

Complete information for all Cady Lifters is available in catalog ICL-10 or at www.cadylifters.com.



Crane Forks

Crane forks are ideal for handling palletized loads in areas such as loading docks, crowded or unpaved storage areas, and railroad yards. They are also used frequently to load barges, gondolas, and open top trucks.

All Cady crane forks are counter balanced to hang level when empty and to increase the rate of handling. Counterweight balances the lifter structure only, not the load. The load is centered under the lifting bail for a level lift. All crane forks are load tested and a test certificate is supplied with each unit.



Capacity 1/4 to 10 tons

C-Hooks

C-Hooks are available in a variety of styles. Compact C-Hooks are rugged, yet lightweight for easy handling. The polished, large radius inside corners of the compact C-Hooks minimize stress concentration in these critical areas. These inside corners are positioned to avoid contact with coil edges, thus reducing coil damage. Additionally, the curved saddle on the lower arm reduces wear on the coil.

In addition to the popular Compact C-Hooks, the following are part of the Cady Lifters line:

Close Stacking C-Hooks – contains a short upper arm that permits handling a large range of coil sizes flush against a vertical surface. This arm also allows the user to handle all coils in a range without interfering with adjacent coils during movement.

Ship Loaders – Designed for use with slings to handle two coils simultaneously. Hooks are easily separated for insertion into coils.



Capacity 5 to 50 tons

Spreader Beams



Lifting beams and spreaders are available in a wide range of capacities and styles. Beams are available in fixed or adjustable styles and may also be designed with special hook or shackle configurations. Low headroom beams are offered with either fixed or movable hooks, and can also be developed for three-point lifts.

⚠ WARNING ⚠

- Inspect lifter, moving lifter parts and operating controls for proper operation before each use. Never use malfunctioning or damaged lifter, or one tagged "Out of Service."
- Do not exceed rated load of lifter and crane.
- Make sure load is balanced and stable.
- Avoid shock loads due to sudden starts and stops.
- Make sure lifting ropes and chains are not twisted or kinked.
- Do not lift people. Make sure operator and others are clear of load at all times.
- Make sure load clears objects during moving.

Steerman Load Movers utilize a three-point system comprised of a steerable front frame with turntable and wheel boxes along with a set of rear trolleys. This permits the user to effortlessly maneuver in any direction without re-positioning the load.

These products feature specially developed composite wheels machined from solid stock to provide extremely low rolling resistance. Additionally, the unique Steerman turntable weighs only 20% of the steel equivalent, but has superior impact resistance. All turntables are supported on thrust bearings, preventing loads from being imposed unevenly.

Capacity 5 to 100 tons



				Steerable Front Unit			Adjustable Rear Unit		
Model	Maximum Load	Wheels (blue)	Total Boxed Weight	Turnable Diameter	Overall Loading Height	Handle Length	Turnable Diameter	Overall Loading Height	Width Adjustment
Imperial									
	ton	in.	lbs.	in.	in.	in.	in.	in.	in.
SX2	1	4 @ 3 1/4" dia	79	6-1/4	4	37	2 @ 5"x7"	4	10 to 47
SX5	2-1/2	8 @ 3 1/4" dia	84	6-1/4	4	37	2 @ 5"x7"	4	10 to 47
SX10	5	8 @ 3 1/4" dia	119	7-1/16	4	40	2 @ 5"x7"	4	10 to 47
SX15	7-1/2	16 @ 3 1/4" dia	168	7-1/16	4	51	2 @ 6 3/4" x 9 1/4"	4	19 to 59
SX20	10	16 @ 3 1/4" dia	168	7-1/16	4	51	2 @ 6 3/4" x 9 1/4"	4	19 to 59
SX25	12-1/2	24 @ 3 1/4" dia	300	7-1/16	4-1/4	61	2 @ 6 3/4" x 14 3/16"	4	28-1/4 to 59
SX30	15	24 @ 3 1/4" dia	348	7-1/16	4-1/4	63	2 @ 8 1/4" x 14 3/16"	4-1/4	28-1/4 to 59
S40	20	24 @ 4 1/2" dia	666	13-3/4	6-11/16	69	2 @ 11 3/4" x 15 3/4"	6-11/16	31-1/2 to 78-3/4
S60	30	24 @ 4 1/2" dia	666	13-3/4	6-11/16	69	2 @ 11 3/4" x 15 3/4"	6-11/16	31-1/2 to 78-3/4
S80	40	24 @ 5 7/8" dia	1,158	16-3/4	8-1/4	75	2 @ 15" x 19 1/2"	8-1/4	39 to 79
S100	50	24 @ 5 7/8" dia	1,157	16-3/4	8-1/4	75	2 @ 15" x 19 1/2"	8-1/4	39 to 79