

# Camlok<sup>®</sup> Lifting Clamps

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#### 92 SERIES VERTICAL PLATE CLAMPS

Standard plate clamps with safety lock

Working load limit (WLL) 500 - 3000kg

These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°.

They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long materials which have a tendency to sag or flex.

#### **Function**

The jaw is opened and closed with the locking lever, except for the 92-500 which uses a positive spring-loaded cam.

The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load on the jaw.

#### Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.



Model	WLL	Jaw (Z) capacity	А	В	С	D	E	F	G	Н	I	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg**
92-500	50 - 500	0 - 16	99	195	29	33	47	50	48	11	15	1.5
92-1500	100 - 1500	0 - 20	126	225	50	49	70	82	55	13	20	3.0
92-2000	200 - 2000	0 - 32	192	312	80	75	96	100	81	20	24	8.0
92-3000	300 - 3000	0 - 32	192	320	80	75	96	100	81	30	30	12.0

PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order.

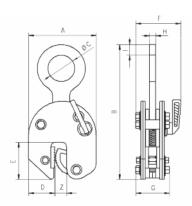
\*\*Weight per clamp with hook ring.

\*\*\*Standard length of chain = 4-6 links.



**92 Series plate clamps.**Working load limit 500 - 3000kg





### **CZ** 'HEAVY DUTY' VERTICAL PLATE CLAMPS





#### Heavy duty plate clamps with safety lock Working load limit (WLL) 1000 - 30000kg

These clamps are primarily used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°.

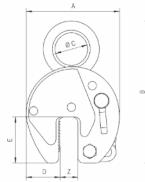
They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long materials which have a tendency to sag or flex.

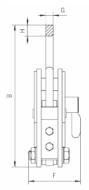
#### **Function**

The jaw is opened and closed with the locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load.

#### Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.







Model	WLL	Jaw (Z) capacity	А	В	С	D	Е	F	G	Н	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg**
CZ 1	100 - 1000	0 - 20	140	254	51	48	70	83	13	19	4
CZ 2	200 - 2000	0 - 32	197	323	67	68	93	110	20	20	11
CZ 3	300 - 3000	0 - 32	197	371	80	68	93	110	20	30	12
CZ 3L	300 - 3000	30 - 60	228	390	80	68	93	110	20	30	15
CZ4	500 - 4000	0- 32	197	371	80	68	93	129	20	30	12
CZ 4L	500 - 4000	30 - 60	228	390	80	68	93	129	20	30	18
CZ 6	700 - 6000	0 - 50	293	484	89	95	143	129	25	35	21
CZ 6L	700 - 6000	50 - 100	362	524	89	95	143	129	25	35	28
CZ 8	950 - 8000	0 - 50	293	492	89	95	143	129	25	42	26
CZ 8L	950 - 8000	50 - 100	362	524	89	114	143	129	25	42	32
CZ 10	1500 - 10000	0 - 50	293	545	110	95	143	139	25	45	30
CZ 10L	1500 - 10000	50 - 100	362	545	110	114	143	139	25	45	37
CZ 12	1800 - 12000	0 - 50	360	613	130	125	162	154	30	55	54
CZ 12L	1800 - 12000	50 - 100	460	678	130	175	162	154	30	55	63
CZ 15	3000 - 15000	0 - 50	360	613	130	125	162	204	45	55	75
CZ 15L	3000 - 15000	50 - 100	460	678	130	175	162	204	45	55	88
CZ 20	4000 - 20000	0 - 65	462	755	130	165	210	235	45	65	123
CZ 20L	4000 - 20000	65 - 130	560	805	130	195	210	235	45	65	136
CZ 30	6000 - 30000	0 - 65	462	732	60	165	210	295	65	-	195
CZ 30L	6000 - 30000	65 - 130	560	797	60	195	210	295	65	-	295

PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order.

Also available with 'Sharp Leg' body shell or extra thick shell plates for dragging. Please contact sales team for further details and prices.

\*Per clamp.

\*\*Weight per clamp with hook ring.

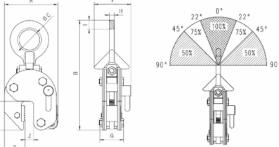
\*\*Standard length of chain = 4-6 links.

#### CY 'HINGED' VERTICAL PLATE CLAMPS



The CY plate clamps with hinged hook rings can be used for the safe handling of plate at various angles. It can lift plate from the horizontal and put it down in the vertical. The hinged hook ring ensures adequate gripping pressure in every position, but the load capacity reduces. See the diagram below showing the load / force capacities.

The main benefit of the CY hinged plate clamps is that longer plates can be lifted or handled, using two clamps on a two legged chain sling (as shown in illustration), thus eliminating the need for a spreader beam.







NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.

Model	WLL kg*	Jaw (Z) capacity mm	A mm	B	C mm	D mm	E mm	F mm	G mm	H	l mm
	, kg	111111	111111	111111	111111	111111	111111	111111	111111	111111	111111
CY1	100 - 1000	0 - 20	126	270	50	49	70	95	63	12	23
CY2	200 - 2000	0 - 32	192	382	80	75	96	132	92	20	30
CY3	300 - 3000	0 - 32	192	382	80	75	96	132	92	20	30

<sup>\*</sup>Per clamp.

#### CX 'HINGED' VERTICAL PLATE CLAMPS (HEAVY DUTY - SIDE LOADING)

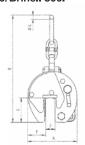


The CX plate clamps shares all the benefits of the CY clamps, but are specifically designed for more heavy duty applications.

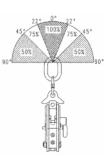
The other benefit that the CX clamps offers over the CY clamps is that vertically racked plates can be turned through 90° (as shown in illustration).

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.











Model	WLL	Jaw (Z) capacity	А	В	С	D	Е	F	G	Н	I	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg**
CX1500	220 - 1500	0 - 20	140	399	63	125	12.5	48	70	57	83	7
CX3000	450 - 3000	0 - 32	197	515	67	138	19	68	93	81	110	12
CX3000L	450 - 3000	30 - 60	227	515	67	138	19	68	93	81	110	15
CX6000	1200 - 6000	0 - 50	292	737	95	176	28	95	143	137	188	38
CX6000L	1200 - 6000	50 - 100	367	785	98	180	28	115	143	135	188	48
CX8000	1600 - 8000	0 - 50	292	737	98	176	28	95	143	136	210	39
CX8000L	1600 - 8000	50 - 100	367	785	98	180	28	115	143	136	210	51
CX10000	2000 - 10000	0 - 50	360	903	110	195	33	125	162	170	223	61
CX10000L	2000 - 10000	50 - 100	446	921	112	195	33	168	162	170	223	76

<sup>\*</sup>Per clamp.

<sup>\*\*</sup>Weight per clamp without chains.

<sup>\*\*</sup>Weight per clamp without chains.

#### **HG** 'HIGH GRIP' VERTICAL PLATE CLAMPS



# Vertical 'high grip' plate clamps for hardened material

Working load limit (WLL) 500 - 4000kg

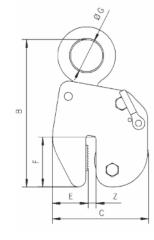
HG plate clamps have an extremely high clamping force which makes the clamps particularly suited to the transport of plate with a surface hardness up to HRC 40/Brinell 375.

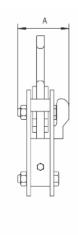
#### **Function**

These clamps are opened and closed with a locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load on the jaw.

#### Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.





Model	WLL	Jaw (Z)	Α	В	С	D	E	F	G	Weight
	kg*	capacity mm	mm	mm	mm	mm	mm	mm	mm	kg**
HG500 HG1000 HG2000	25 - 500 50 - 1000 200 - 2000	0 - 10 0 - 16 0 - 20	42 93 110	230 297 416	148 210 305	10 16 20	55 75 102	79 114 159	50 67 80	5 12 22

<sup>\*</sup>Per clamp.

#### TJC 'TWIN JAW' VERTICAL PLATE CLAMPS



The TJC twin jaw vertical plate clamps have been specifically designed for lifting materials with low minimum weight, but large thickness. The main difference between the TJC and the CZ (which is our standard vertical plate clamp) is that the TJC has a unique twin moving jaw arrangement

NB: The plate surface of the material being clamped must have a hardness level below HRC 30/Brinell 300.

Model	WLL kg*	Jaw capacity mm	Weight kg**
TJC300	20 - 300	0 - 30	3
TJC300L	20 - 300	30 - 60	3
TJC300XL	20 - 300	60 - 90	4
TJC300XXL	20 - 300	80 - 110	5

Please contact our sales team for full technical drawings if required.

\*Per clamp. \*\*Weight per clamp.

<sup>\*\*</sup>Weight per clamp.

### **CH/HH** HORIZONTAL PLATE CLAMPS



#### Industry standard horizontal plate clamps

Working load limit (WLL) 1000 - 10000kg

**The CH horizontal plate clamps** have been specifically designed to be used in pairs for the transportation of plate bundles as well as single plates with a minimum thickness of 5mm.

A pair of clamps used with a two legged chain sling are suitable for small plates. It is recommended to use two pairs in conjunction with a spreader beam for handling of larger plates. These units are supplied as standard with a smooth jaw. There is also the option of hardened steel teeth jaws for special applications. Please contact our technical department for further details.

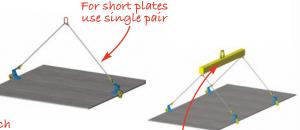
The HH horizontal plate clamps incorporate all of the features of the CH clamps, yet are manufactured from high strength steel giving them exceptionally low tare weights.

#### Workmanship and parts

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person







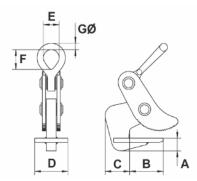
For long plates use spreader beam

Model	WLL	Jaw capacity	А	В	С	D	Е	F	G	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	kg**
CH1***	1000	5 - 32	30	82	60	100	32	44	13	8
CH2	2000	5 - 32	30	82	60	100	50	73	18	11
CH2L	2000	20 - 50	30	82	60	100	50	73	18	12
CH4	4000	5 - 50	40	112	80	100	64	92	25	17
CH4L	4000	50 - 100	40	112	80	100	64	92	25	23
CH6	6000	5 - 75	55	172	100	130	90	130	35	46
CH6L	6000	50 - 125	55	172	100	130	90	130	35	56
CH8	8000	5 - 75	55	172	105	130	90	130	35	53
CH8L	8000	50 - 125	55	172	105	130	90	130	35	60
CH10	10000	5 - 100	65	215	120	150	114	114	37 x 50	95
CH10L	10000	50 - 150	65	215	120	150	114	114	37 x 50	108
CH15	15000	5 - 100	71	230	120	150	114	114	37 x 50	110
CH15L	15000	50 - 150	71	230	120	150	114	114	37 x 50	123
CH20	20000	5 - 100	70	220	118	220	80	120	38 x 60	165
CH20L	20000	50 - 150	70	220	118	220	80	120	38 x 60	172
HH8	8000	5 - 50	55	168	105	130	67	67	24	21
HH8L	8000	50 - 100	55	168	105	130	67	67	24	28

<sup>\*</sup>Per pair.



\*Chain slings NOT included



NB: The angle between the chain/rope legs must not exceed 45° from vertical



NB: These units must NOT be used with endless chain slings.

<sup>\*\*</sup>Weight per pair of clamps without chains.

<sup>\*\*\*</sup>NB. CH1 is fitted with a single jaw.

#### RH HORIZONTAL PLATE CLAMPS



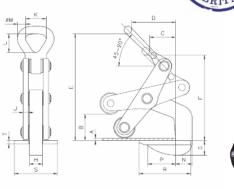


Working load limit (WLL) 1500 - 5000kg

This range of horizontal plate clamps have been designed, to be used in pairs, for the horizontal transportation of individual, and bundled plate. The clamp is fitted with a steel roller to reduce any potential marking of the plate.

These clamps are sold, and must be used, in pairs.

NB: Always use with a two-legged chain sling (not supplied).



Model	WLL	Jaw capacity	А	В	С	D	Е	F	G	Н	J	K	L	М	N	Р	R	S	Т
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
RH1500 RH2500 RH3500 RH5000	1500 2500 3500 5000	5 - 60 10 - 70 10 - 80 10 - 102	5 10 10 10	60 70 80 102	60 75 90 110	105 130 162 170	250 135 345 425	200 275 292 345	22 38 48 45	30 30 30 45	12 12 15 20	50 64 64 89	73 92 92 130	18 25 25 35	36 58 65 80	65 77 105 120	120 150 185 210	100 100 100 120	10 10 10 12

\*Per pair. \*\*Weight per pair of clamps without chains.

### H 'ADJUSTABLE' HORIZONTAL PLATE CLAMPS



\*Chain slings and shackle NOTincluded

The ACH horizontal plate clamps offer superb flexibility because of the large adjustable jaw opening. The jaw is adjusted using a simple ratchet mechanism.

These clamps are to be used in pairs and are especially suited to the transportation of large plate bundles.



\*use spreader beams for larger plates

Model	WLL	Jaw capacity	Weight
	kg*	mm	kg**
ACH 1300	1300	0 - 150	14
ACH 1300L	1300	0 - 250	17
ACH 3300	3300	0 - 150	25
ACH 3300L	3300	0 - 250	28
ACH 6650	6650	0 - 150	60
ACH 6650L	6650	0 - 250	64
ACH 10000	10000	50 - 300	82

\*\*Weight per pair of clamps without chains.



The THK horizontal plate clamps share the same basic design features as the CH range of clamps but have a reversed tooth jaw design. This safety feature is designed for use with thin sheets which may have a tendency to deflect or sag or flex.

Suited to thin plate with a surface hardness less than 300 Brinell/32 Rockwell C.



\*Ideal for thin sheet

Model	WLL	Jaw capacity	Weight
	kg*	mm	kg**
THK 750	40 - 750	0 - 25	3
THK 1500	75 - 1500	0 - 35	6
THK 3000	150 - 3000	0 - 35	11
THK 4500	250 - 4500	0 - 45	16
THK 6000	300 - 6000	0 - 60	23
THK 9000	450 - 9000	0 - 60	35

\*\*Weight per pair of clamps without chains.

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### TAG/TWG 'WIDE JAW' UNIVERSAL CLAMPS

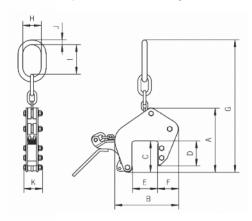


The TAG universal clamps are extremely versatile. They have a large jaw capacity that enables them to be used on a multitude of applications such as loading machine tools, steel constructions, welding and numerous assembly functions. The design means that they do not require additional chain slings and are very easy and simple to use.

The automatic gripping force is retained by a positive tension jaw spring, even if there is slack in the chain. The clamps are also fitted with a 'Quick-Open' lever for ease of loading and unloading.

These clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.

Protective lined jaws, for non-marking, can be fitted up to 1250kg WLL.



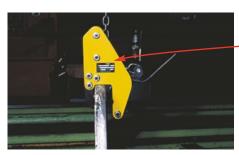


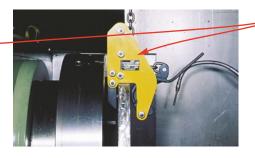
Model	WLL	Jaw capacity	А	В	С	D	Е	F	G	Н	I	J	K	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg*
TAG 350/100 TAG 350/200 TAG 750/100 TAG 750/200	35 - 350 35 - 350 75 - 750 75 - 750	0 - 100 90 - 200 0 - 100 90 - 200	264 382 264 382	259 434 259 434	128 195 128 195	100 156 100 156	100 200 100 200	85 120 85 120	550 760 550 760	75 75 75 75	121 121 121 121	20 20 20 20	78 90 83 90	9 14 9 15
TAG 1250/100 TAG 1250/200 TAG 2000/100 TAG 2000/200	125 - 1250 125 - 1250 200 - 2000 200 - 2000	0 - 100 90 - 200 0 - 100 90 - 200	320 382 328 375	289 434 415 515	128 195 135 195	100 156 115 165	100 200 100 200	85 120 105 160	570 760 571 750	75 75 75 75	121 121 121 121 121	20 20 20 20 20	83 90 105 105	15 26 22 30
TAG 3000/90 TAG 5000/90	360 - 3000 600 - 5000	5 - 90 5 - 90	297 297	290 290	136 136	106 106	90 90	91 91	570 570	82 82	111 111	32 32	137 147	25.5 30
TWG 350/100 TWG 350/200 TWG 750/100 TWG 750/200 TWG 1250/100 TWG 1250/200 TWG 2000/100 TWG 2000/200	35 - 350 35 - 350 75 - 750 75 - 750 125 - 1250 125 - 1250 200 - 2000 200 - 2000	30 - 100 100 - 200 30 - 100 100 - 200 30 - 100 100 - 200 30 - 100 100 - 200	264 382 264 382 320 382 328 375	209 354 209 354 255 374 383 435	129 195 128 195 128 195 135 195	100 156 100 156 100 156 115 165	100 200 100 200 100 200 100 200	35 40 35 40 51 60 73 80	550 760 550 760 570 760 571 750	75 75 75 75 75 75 75 75	121 121 121 121 121 121 121 121	20 20 20 20 20 20 20 20 20	78 90 83 90 83 90 105	11 16 11 16 16 23 23 31

\*Per clamp.

TAG 750/100

Quick open lever





\* Model: TWG

TWG universal grab is a variation of the TAG. It is specially designed with a small outside measurement for use on hard to reach places such as loading billets on to

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#### LJ 'NON-MARKING' PLATE CLAMPS



The LJ non-marking plate clamps are designed for lifting, turning and transporting of structural steel plates, stainless steel, iron, timber and aluminium without marking, damaging or leaving indentations on the surface. It can also be used for steel plates with extremely hard surfaces.

These clamps are available with two different types of pads, rubber or leather. The type to be used is dependant on the surface of the material being gripped. If you have any concerns regarding the best

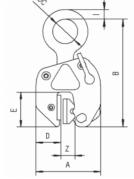
option for your application please contact our sales

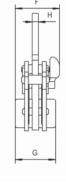
team for advice.

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.

NB: The surface of the material being gripped must be free of oil, grease or any other liquid to ensure safe transport.







Model	WLL	Jaw capacity	А	В	С	D	Е	F	G	Н	I	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg**
LJ 500 LJ 1500	25 - 500 180 - 1500	0 - 10 0 - 20	127 215	200 345	50 85	52 75	69 135	86.5 131	76 118	13 20	20 24	3.5 12

<sup>\*</sup>Per clamp.

### TSB NON-MARKING 'FRICTION' PLATE CLAMPS



The TSB non-marking plate clamps with chain are designed for vertical lifting and transporting of plate material. This particular range of clamps has a large jaw capacity that enables it to be used on a multitude of applications.

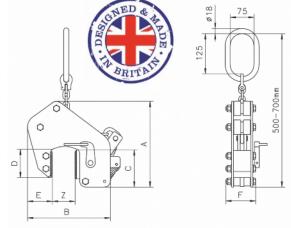
The main feature of the TSB plate clamps is the fact that it is non-marking. It works through the process

of 'friction'. This is achieved by a special material on the jaw and pad which is similar to brake linings.

Another benefit of the TSB, is that one grab can be used for lifting different materials such as concrete, wood, stone, and hardened steel.

These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.

NB: The surface of the material being gripped must be free of oil, grease or any other liquid to ensure safe transport.



Model	WLL	WLL Jaw capacity		В	С	D	E	F	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	kg*
TSB 350/65	20 - 350	0 - 65	270	260	128	100	65	78	8
TSB 750/65 TSB 1250/65	40 - 750 125 - 1250	0 - 65 0 - 65	270 270	260 260	128 128	100 100	65 65	78 78	9 12
. 52 .250/00	,	5 00			0			. •	·-

<sup>\*</sup>Per clamp.

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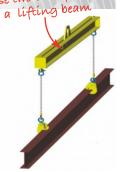
<sup>\*\*</sup>Weight per clamp.

#### **CG** 'STANDARD' GIRDER TURNING CLAMPS

The main purpose of **the CG girder turning clamps** is for the transportation and turning of steel girders (RSJ) through 90° degrees.

They can be used individually, or for longer beams used in pairs in conjunction with a spreader beam as shown in diagram.

The clamps are attached to the horizontal flange of the girder and locked in place by the jaw locking lever. Once lifted the girder will turn through  $90^{\circ}$  degrees.



For longer girders

use two clamps and

Model	WLL	Jaw capacity	Weight		
	kg*	mm	kg*		
CG 1	100 - 1000	0 - 16	6		
CG 2	200 - 2000	0 - 32	14		

\*Per clamp. • Please contact our sales team for full technical drawings.

#### TTR 'VERTICAL FLANGE' GIRDER STACKING CLAMPS



The main selling point of **the TTR girder stacking clamps** is the fact that it enables girders to be transported and stacked horizontally. These are ideal for use within steel stockholders. Once offered up to the **vertical** flange of the girder, they are locked in place by the jaw locking lever

The design allows the Clamp to be used individually, however for longer girders they should be used in pairs in conjunction with a spreader beam.



Model	WLL kg*	Jaw capacity mm	Weight kg*		
TTR 750	50 - 750	5 - 16	3.5		
TTR 1500	150 - 1500	5 - 25	10		
TTR 3000	300 - 3000	5 - 28	12		
	TTR 750 TTR 1500	TTR 750 50 - 750 TTR 1500 150 - 1500	kg*     mm       TTR 750     50 - 750     5 - 16       TTR 1500     150 - 1500     5 - 25		

\*Per clamp. • Please contact our sales team for full technical drawings.

### TTG 'HORIZONTAL FLANGE' GIRDER STACKING CLAMPS



The TTG girder clamps are designed for transporting girders in the 'I' configuration / position (see photograph on the right).

These are ideal for use within steel stockholders. Once offered up to the *horizontal* flange of the girder they are locked in place by the jaw locking lever.

The design allows the clamp to be used individually, however for longer girders they should be used in pairs in conjunction with a spreader beam.



\*Per clamp. • Please contact our sales team for full technical drawings.



#### **CR** SINGLE RAIL CLAMPS

#### Rail grab with safety lock WLL 1000 - 2000kg

The CR rail clamps are designed to lift single rails securely and safely.

The CRT is designed to lift tram rail.

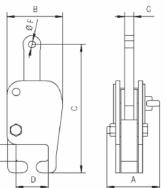
The clamps are designed to fit most types of rail section currently in use. The clamps have a narrow profile to enable attachment to an individual rail when rails are side by side.

The clamps are locked onto the rail-head via a lever operated spring mechanism. It is recommended to use clamps suspended from a lifting beam for long rail lengths.

Clamps can be supplied with a short length of chain and lifting eye as shown in the illustration. This MUST be specified at the time of order.



Typical application shot showing a CR1000 in use with a Yale D85 Pul-lift and an 'Iron man'.



- G	

Model	CR1000	CR2000
A <sup>1</sup> , mm	144	144
B, mm	152	163
C, mm	350	350
D, mm	90	90
E, mm	46	46
Ø F, mm	20	20
G, mm	25	25

<sup>1</sup> Scissor



Model	Number of rails	WLL kg**	Weight kg**
CR1000 CR2000	1 1	1000 2000	13 13
CRT1000*	1	1000	13

<sup>\*\*</sup>CRT rail lifting clamps are bespoke designed to suit one specific type of tram rail. Please provide details on rail section when ordering. \*Per clamp.

#### MR 'FIXED' MULTI RAIL GRABS



The MR Multi-rail grabs have been designed to facilitate the fast bulk handling of a *specific* rail section (details to be advised at time of order).

Rails are locked onto the clamp by swivelling toes that locate under the rail-head and top clamp body that rotates in a cam action pressing a hard rubber lined horizontal beam onto the top of the rail-head. The rubber lined contact beam prevents marking or damage to the rail-head.

Two clamps are recommended at centres of 50 to 60% of rail length for rails up to 20 mtr long. For rails longer than 20 mtr, three clamps at centre distance between outer clamps of 65 to 75% of rail length must be used. (NB. Clamp must be within rated WLL).

Rails to be lifted must be stacked with bottom flange toes touching. All rails must be of the same rail section size.

The master link used is ref: A8W26 (100mm x 180mm)

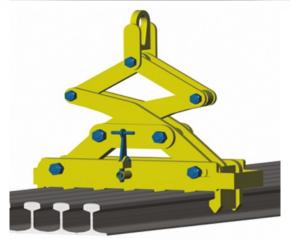


Illustration of MR Multi-rail configuration

Model	Number of rails	WLL* kg	Weight* kg
MR3 MR4 MR5 MR6 MR7 MR8 MR9 MR10 MR12	3 4 5 6 7 8 9 10 12	5000 5000 5000 6000 7000 8000 9000 10000	84 108 132 156 180 204 228 252 300

<sup>\*</sup>Per grab. • Please advise rail section when ordering.

### MRC 'INTERCHANGEABLE' MULTI RAIL GRABS



**The MRC Multi-rail grabs** have been designed to facilitate the fast bulk handling of ALL rail sections.

The features and applications of the MRC Multi-rail grabs are similar to that of the MR Multi-rail grabs but with the added benefit of having interchangeable, modular designed comb sections. Various combs sections to suit specific rails can be combined with the same scissor mechanism. Additional comb sections can be purchased separately. Please contact our sales team for further details.

An further option on the MRC is that it can be fitted with an automatic open / close device that engages the rail sections when the clamp is lifted from it's rest position on top of the rails.

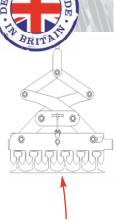


Illustration of MRC Multi-rail configuration

Model	Number of rails	WLL kg	Weight (complete unit) kg
MRC4	4	5000	200
MRC5	5	5000	230
MRC6	6	6000	265
MRC7	7	7000	295
MRC8	8	8000	330

<sup>•</sup> Please advise rail section when ordering.

#### **PP** PILE PULLING CLAMPS



\*Shackle NOT included on PP clamps.

The PP pile pulling clamps are designed to pull out driven piles or trench shielding. The clamps have a narrow opening and a deep slot to ensure that the pile is gripped firmly. It is extremely difficult to determine the forces required to pull out driven piles so it is recommended that a load indicator is used to ensure the WLL of the clamp is not exceeded.

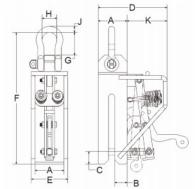
The PP clamp is supplied as standard with a double locking mechanism to ensure that the clamp remains 'locked on' and does not become unlocked during extraction of the pile.

Model	WLL kg	Jaw capacity mm	Throat depth mm	Weight kg
PP 3	3000	0 - 16	147	12
PP 8	8000	0 - 30	194	28

#### **CP** PILE PITCHING CLAMPS

The CP pile pitching clamps are specifically designed for pitching sheet steel piling. These clamps come fitted with a 15 metre length of rope which allows the clamp to be release from the ground. These units come fitted as standard with a shackle.

NB: These clamps are  $\underline{\text{NOT}}$  designed for extracting driven piles.





Model	WLL kg	Jaw width mm	Throat depth mm	Pin dia. mm	A mm	B mm	C mm	D mm	E	F mm	G mm	H mm	J mm	K	Weight kg
CP 2	2000	20	228	20	90	38	38	215	114	411	71	46	19	200	19
CP 3	3000	26	228	30	100	40	38	225	124	438	91	63	25	200	22
CP 5	5000	35	228	30	115	45	38	240	139	477	117	82	32	200	28

#### PH PIPE HOOKS

**The PH pipe hooks** are used in pairs for the safe transport of pipes. The shackles are included with the hooks.

There are two options available: the standard hooks are supplied uncoated without a lining, but there is also the option to have a polyurethane coating applied to help protect the pipe being lifted.

#### PH for $60^{\circ}$ - $90^{\circ}$ top angle between chai

ns:				
	Model	WLL	Pipe wall thickness (without lining**)	Weight
		kg*	mm	kg*
	PH 2/A PH 4/A PH 6/A PH 8/A PH 10/A	2000 4000 6000 8000 10000	0 - 40 0 - 50 0 - 60 0 - 70 0 - 80	2.4 5.6 8.3 13.5 17.8

<sup>\*</sup>Per pair

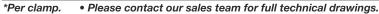
Please note capacities of polyurethane coated pipe hooks will be reduced by 5mm.



#### **TPZ** BOARD CLAMPS

**TPZ board clamps** offer an simple and effective way to vertically lift and transport a variety of materials such as wood, MDF, plasterboard, stone, and plastics. The clamp has been designed with large rubber pads to minimise damage to loads and the handle enables the operator to guide the load easily during operation.

Model	WLL	Jaw capacity	Weight
	kg*	mm	kg*
TPZ 400	20 - 400	5 - 55	8
TPZ 400L	20 - 400	50 - 100	9
TPZ 750	40 - 750	5 - 60	12
TPZ 750L	40 - 750	60 - 120	14
TPZ 1500	75 - 1500	5 - 75	13
TPZ 1500L	75 - 1500	75 - 150	15





#### **HGC** HAND GRIP CLAMPS

The HGC hand grip clamps are suited for the individual transportation of light and thin materials. They have a jaw capacity of up to 10mm, and can lift up to 250kgs.

To operate the clamp you simply press down on the hand grip which compresses a spring. This allows the clamp to open and you simply slide the clamp on to the material to be lifted.

Model	Type / option	WLL kg*	Jaw capacity mm	Weight kg*
HGC 250	Standard	250	0 - 10	1.4
HGC 250 EX	Ext. handle	250	0 - 10	1.5
HGC 250 EB	Eye bolt	250	0 - 10	1.4

\*Per clamp. • Please contact our sales team for full technical drawings. EX= Extended handle (300mm). EB=Eye bolt (instead of handle).





#### TSZ 'TWO WAY' SCREW CLAMPS

**The TSZ 'two way' screw clamps** offer many possible uses. Ideally suited for the construction industry. The unique design of the spindle makes it easy to attach to 'angle' plate. This is achieved by simply turning the handle which applies the pressure to the plate holding it securely. Two lifting points enabling it to pull in two different directions.

Model	WLL	Jaw capacity	Weight
	kg*	mm	kg*
TSZ 500 TSZ 1500 TSZ 3000 TSZ 5000 TSZ 7500	500 1500 3000 5000 7500	0 - 28 0 - 35 0 - 35 0 - 35 0 - 40 0 - 40	3 5 9 16 21

\*Per clamp.

NB. Surface of material to be lifted must not exceed a hardness level of HRC 50/Brinell 480



#### **TSH** 'SWIVEL HOOK' SCREW CLAMPS

**The TSH 'swivel hook' screw clamps** is suitable for many possible applications. It is particularly useful for lifting and pulling sheet metal, girders, and steel constructions. The clamps are supplied complete with an alloy safety shackle, that allows for pulling in 180° degrees.

Model	WLL	Jaw capacity	Weight
	kg*	mm	kg*
TSH 750	750	0 - 30	3
TSH 1500	1500	0 - 32	7
TSH 3000	3000	0 - 50	11
TSH 5000	5000	0 - 80	27

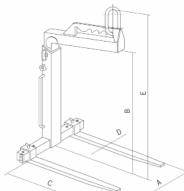
\*Per clamp.

NB. Surface of material to be lifted must not exceed a hardness level of HRC 50/Brinell 480



### TKG-VH 'MANUAL' BALANCE CRANE FORKS

The TKG-VH range of crane forks are equipped with adjustable tines and have an adjustable height mast. The balancing system engages when the master link is manually hooked into the appropriate notch.



- Factor of safety 4:1
- · Maintenence free.
- Highly visible safety colour.
- For transporting rings or coils, simply push fork tines together.
- · Easily adjustable tines for all pallet sizes.
- Supplied with chain for securing the load.

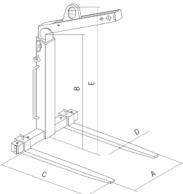


Model	WLL*	Adjustment of tines (A) mm	Useable height (B) mm	Length of tines (C) mm	Section of tines (D) mm	Overall height (E) mm	Weight kg
TKG1.0vh	0 - 1000	350 - 900	1100 - 1600	1000	100 x 30	1390 - 1890	130
TKG2.0vh	0 - 2000	400 - 900	1300 - 2000	1000	120 x 40	1640 - 2340	200
TKG3.0vh	0 - 3000	450 - 900	1300 - 2000	1000	120 x 50	1670 - 2370	250
TKG5.0vh	0 - 5000	500 - 1000	1300 - 2000	1000	150 x 60	1700 - 2400	370

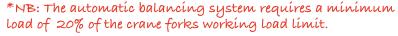
#### TKG-VHS 'SELF WEIGHT' BALANCE CRANE FORKS

The TKG-VHS range of crane forks are equipped with adjustable tines, adjustable mast height and a self weight balancing system. Crane forks with self weight balancing\* tend to point their tines upwards when being transported, this prevents the load from unintentionally slipping off the tines.

The self weight balancing mechanism returns the lifting point to the unloaded position when the load is set down. For efficient operation of this mechanism the load must be greater than 20% of the working load limit.



- Factor of safety 4:1
- Maintenence free.
- Highly visible safety colour.
- For transporting rings or coils, simply push fork tines together.
- Easily adjustable tines for all pallet sizes.
- Supplied with chain for securing the load.





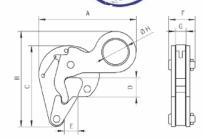
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#### DC500 DRUM CLAMP



The DC500 drum clamp has been designed to lift and transport steel drums. If moving empty or sealed drums then one clamp is sufficient. Should you be lifting an open full drum, then two clamps should be used with a two leg chain sling.

This clamp is extremely light weight and very quick and easy to use.



Model	WLL	A	B	C	D	E	F	G	H	Weight
	kg*	mm	mm	mm	mm	mm	mm	mm	mm	kg*
DC500	500	152	150	127	30	21	41	17	40	1.2

<sup>\*</sup>Per clamp. NB: For use with STEEL DRUMS only.

### DCV500 VERTICAL LIFT' DRUM CLAMP



The DCV500 drum clamp has been designed to lift and transport steel drums in the vertical position. One clamp can be used to lift drums with or without their lids by gripping the rim of the drum.

Its light weight and small overall design makes it ideal for picking up drums that sit tightly on pallets. The centre of gravity of the drum is below the lifting point during transportation.

The DVC500 is also available with a 'lock on / open latch'. Please contact the Camlok sales team for further details.



Model	WLL	A	B	C	D	E	Weight
	kg	mm	mm	mm	mm	mm	kg*
DCV500	500	479	350	410	300	50	7

<sup>\*</sup>Per clamp.

#### DA/DAF 'LOW HEADROOM' DRUM GRABS

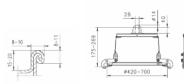


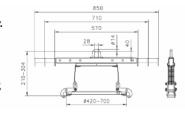


**The DA drum grab** is designed for the vertical transportation of steel drums. The jaws grab under the lip of the drum with its form-fitting connection.

**The DAF drum grab** works on the same principle as the DA grab, but has the added benefit of adjustable arms that can be used with a forklift.

NB: For use with STEEL DRUMS only.





Model	WLL	Jaw Capacity	Weight		
	kg	mm	kg*		
DA	350	420 - 700	3.5		
DAF	350	420 - 700	6.0		

<sup>\*</sup>Per clamp.

#### TRU ROUND STOCK GRABS



#### TRU round stock grabs

Working load limit (WLL) 100 - 4000kg

The TRU round stock grabs are designed to pick up tubes, pipes, rolls or similar round stock material with a diameter of up to 600mm. They are extremely easy and simple to use and make for safe lifting.

#### **Options:**

- Available with automatic open / close device.
- Jaws can be fitted with plastic pads or rubber lining to minimise marking of surfaces.

NB: When using the protective lining, it is important that the surfaces are dry, clean and free of oil and grease.

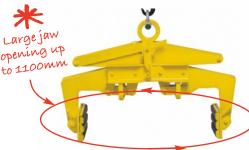
Model	WLL	Jaw capacity	Weight
	kg	mm	kg
TRU 100	100	50 - 150	3.9
TRU 500	500	35 - 200	13.6
TRU 1000	1000	35 - 200	13.6
TRU 1500	1500	80 - 300	27.0
TRU 3000	3000	80 - 300	49.0
TRU 4000	4000	200 - 600	204.0

#### TBG/TST BLOCK GRABS



# TBG/TST block grabs Working load limit (WLL) 200 - 1000kg

These block grabs are designed to transport any material with parallel surfaces that can withstand a clamping pressure twice as high as the load being lifted. The range offers jaw capacities from 0 - 1100mm. They are extremely easy and simple to use and make for safe lifting. The TBG has rubber lined jaws and the TST model has serrated steel jaws.



#### **Options:**

• Available with automatic open / close device.

NB: When using the models fitted with rubber pads, it is important that the surfaces are dry, clean and free of oil and grease.

Model	WLL	Jaw capacity	Weight
	kg	mm	kg
TBG/TST500S TBG/TST1000S TBG/TST200L TBG/TST300L TBG/TST500L TBG/TST1000L	500	0 - 150	27
	1000	50 - 250	50
	200	200 - 500	49
	300	400 - 700	52
	500	600 - 900	55
	1000	800 - 1100	72

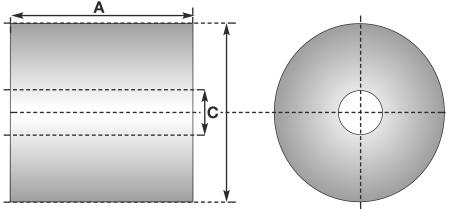


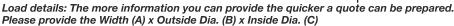
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#### TCK 'SINGLE ARM' C-HOOKS

The Camlok TCK C-Hooks have been designed to safely and efficiently handle coils, rolls, rings, pipes, round stock and other similar loads.

Many features are available on C-hooks. When lifting collared or standard pipes, the optional backstop device can be positioned as far back as possible. If the lifting of shorter pipes is required the backstop can be adjusted accordingly. Loads that are longer, or exceed the specified working load limit, should not be lifted. Camlok uses the latest 3D CAD Design technology to quickly produce specific products tailored to our customers requirements. There are many additional options available including shaped tines and adjustable end-stops.



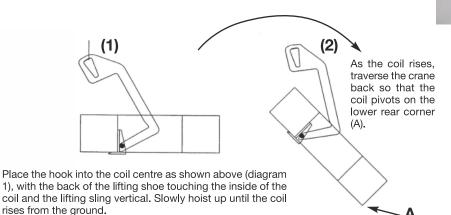




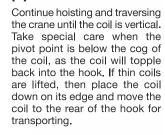
#### TCS 'UNIVERSAL' TURNING HOOKS

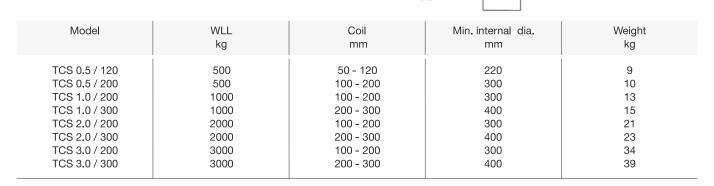
The TCS coil turning hooks are specifically designed to pick coils of steel or banding material etc when lying flat.

Once the turning hook is positioned and the crane hook is raised, the coil automatically transfers from the horizontal position to the vertical position. This allows for easy transportation and also allows for loading onto machines or racking.









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### **CIT/CLB** CONTAINER LIFTING LUGS

#### **CLT** for top lifting **CLB** for side lifting

#### Working load limit\* (WLL) 32000 - 56000kg

These container lifting lugs are supplied, and used, in sets of 4 and have a total lifting capacity of up to 56 tonne. The CLT and CLB lugs serve as flexible lashing points for the transportation of containers.

Two types are available dependant on if you want to fasten them to the top or the side of the container.

The CLT type is vertically mounted in the hole at the top of the container and is locked into place by simply turning the lug 90°. This configuration allows for transportation via the use of a lifting frame in conjunction with cables, chains or slings.

The CLB model is mounted horizontally to the side of the container at either the top or the bottom fixing holes. This model has a spring loaded bolt to prevent accidental release.

#### NB. NOT TO BE USED ON A 4 LEG CHAIN SLING.



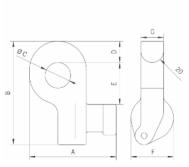


Model	WLL	Type of lifting	Sling angle from vertical	A	В	С	D	Е	F	G	Weight
	kg*		or inting mon	Hom vertical	mm	mm	mm	mm	mm	mm	mm
CLB	32000 40000 50000	SIDE	50º 36º Vertical	152	181	45	37	73	75	40	18
CLT	56000	TOP	Vertical	123	217	45	39	57	101	121	28

<sup>\*</sup>Per set of 4.

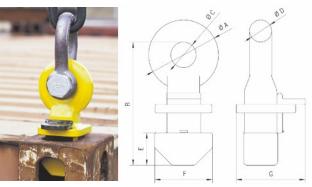


**Container lifting lug CLB** 





Container lifting lug CLT

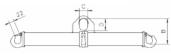


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#### TTB BIG BAG LIFTERS



The TTB big bag lifters are designed to lift and transport large bags safely and securely. They are manufactured as a 4 point spreader beam in a fixed frame. The construction incorporates 4 hooks with safety latches that allow fast loading and unloading.



Model	WLL	Width (Z)	B	C	D	Weight
	kg	mm	mm	mm	mm	kg
TTB 1/1090	1000	750 - 800	210	60	110	27
TTB 1/1320	1000	900 - 970	210	60	110	33
TTB 2/1090	2000	750 - 800	240	75	135	42
TTB 2/1320	2000	900 - 970	240	75	135	52

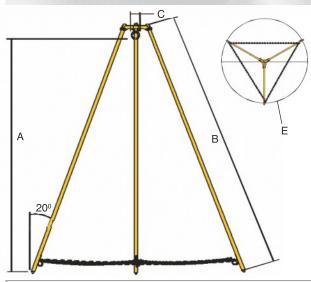
### FUH ADJUSTABLE 'DUAL' TINE HOOKS



The FLTH tine hook is designed to convert your forklift truck into a crane. This is done by simply sliding the FLTH over the tines of your forklift truck. The FLTH is fastened to the tines by tightening the two threaded bars underneath each tine. The unit is supplied a standard with a swivel safety hook.

Model	WLL kg	Max. fork size mm	Weight kg
FLTH 1	1000	120 x 60	25
FLTH 2	2000	120 x 60	31
FLTH 3	3000	120 x 60	37

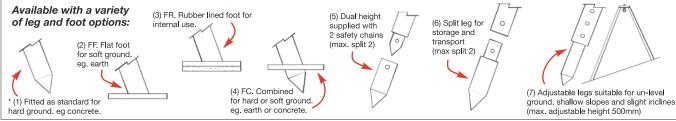
### **SL** SHEARLEGS



The Camlok Shearlegs have been designed to be simple and easy to erect and operate. Each set of shearlegs are supplied, as standard, fitted with safety chains and a large eyebolt for the suspension of hand operated lifting mechanisms, chain blocks or pulleys.

NB: These shearlegs must <u>not</u> be used for lifting personnel. Height Safety Tripods are available on page 57.

Model	WLL kgs	Height to eye mm	Leg length mm	PCD 'E'	Weight kgs
SL0.500/2 SL1000/2	500 1000	2000 2000	2254 2276	1800 1816	24 33
SL1000/3 SL1000/4 SL2000/3	1000 1000 2000	3000 4000 3000	3340 4411 3366	2544 3270 2554	44 89 71
SL2000/3 SL2000/4 SL3000/3	2000	4000 3000	4430 3409	3282 2730	90 88
SL3000/4	3000	4000	4473	3458	108



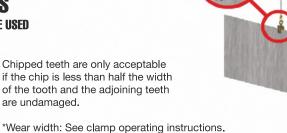
<sup>\*</sup>Fitted with standard legs for hard ground. Call the sales team for prices on other foot options.

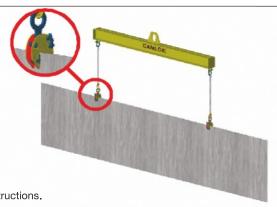
#### **CAMLOK SAFETY** VERTICAL PLATE CLAMPS

# FOR LIFTING LONG PLATES TWO CLAMPS AND A LIFTING BEAM MUST BE USED

Plate clamp jaw.

Plate at full depth and lever in locked position.





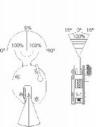


#### FTING SHORT LENGTH PLATES

A SINGLE CLAMP CAN BE USED

\*Wear width,

- Always read operating instructions before use.
- Plate must be free from grease, liquids, scale or paint.
- · Always check the operation of the clamp before use.
- Never use damaged or worn clamps. Report damaged equipment to the relevant person.



Always use a safety hook or safety sling.

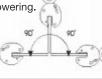
Check lever is in locked position.

Ensure plate enters full depth of the clamp.

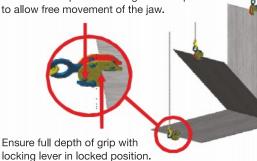
Loads weighing between the maximum and minimum working load limit may be lifted and turned through 180° in the plane of the clamp.

# R TURNING OVER PLATES PLATE MUST BE IN CONTACT WITH BACK OF CLAMP

- · Check operating of the clamp before use.
- · Stand clear during lifting and lowering.
- · Clamp can be attached to plate either way up.
- Fit clamp above centre of



If locking lever is uppermost it is necessary to lift the clamp when sliding onto the plate to allow free movement of the jaw.



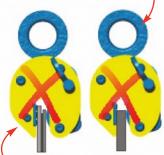
vertical for all positions.

Lifting sling must be

Take extra care when clamp takes least weight at "top dead centre".



Always ensure that the plate is positioned to the back of the clamp.



Only lift one plate at a time.

For this type of lift use CY/CX hinged plate clamps only.



beam must be used. Do not use endless chain slings.

Always check positioning of clamp before use.





Insufficient slack in

Operating lever only moves part way and plate is not released.

Do not force but tap chain lug if stuck.

Force will cause failure of camshaft.

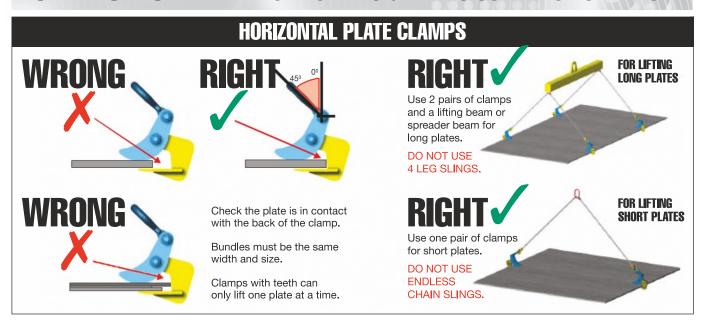
Do not fast lower onto floor as crane hook will force open the clamp and release the plate.

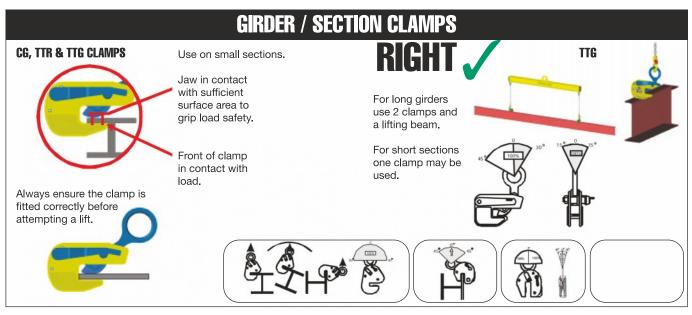
Do not lower if lever is not in the locked position.

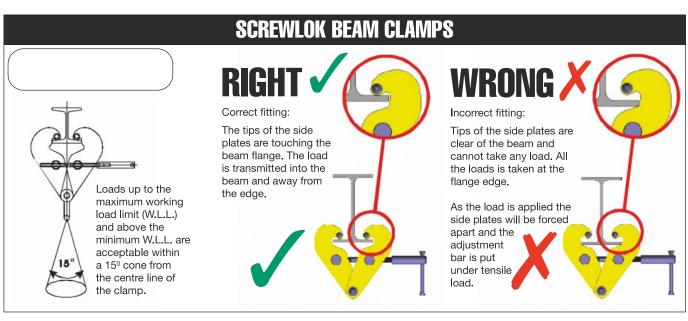
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### CAMLOK SAFETY HORIZONTAL / GIRDER / SCREWLOK CLAMPS







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