

60 YEAR ANNIVERSARY SPECIAL EDITION



Camlok[®]
Lifting Clamps

PRODUCT CATALOGUE, APRIL 2018

HISTORY OF CAMLOK



Celebrating 60 years

On 6th February 1958, Camlok Lifting Clamps (originally known as Deeweld) was founded.

Laurence Burns, an insurance salesman, and his father-in-law Mr John Roberts, a railway clerk gambled their future on an idea for a lifting clamp. Between them, they slowly assembled just 5 clamps a week and painted them hanging over a broomstick, suspended over two chairs.

Over the next 60 years, many things were to change including when they moved to their current location on Sealand Industrial Estate, Chester. In 1998 Deeweld changed their name to Camlok Lifting Clamps Limited and in 1999 the company was purchased by Columbus McKinnon.



Camlok is the leading brand for plate clamps and other items of lifting equipment. In fabrication plants, factories, warehouses, ports and docks, on construction sites, railheads and repair and service facilities around the world, the Camlok plate clamp and related products are the number one choice. The Camlok brand was founded on original, innovative British design and manufacture.

Camlok evolved from a general industrial need to lift and transfer steel plate either horizontally, vertically or a combination of both, in a secure and safe manner. This was achieved by using an ingenious 'cam' and jaw mechanism to positively lock the steel plate into a clamping device so it may be suspended from a crane hook.

The original 'cam-lock' principle has led to the vast spectrum of lifting clamps available today, for example: plate clamps, beam clamps, rail clamps, girder clamps, piling clamps, scissor grabs and other handling devices. This heritage generated the capability and understanding for Camlok to lead the way in engineering special non-standard lifting solutions for technically demanding applications.

All products are designed for easy repair and parts replacement, providing a lifetime of faithful service and performance and are manufactured in the UK to world-class standards.

Today, Camlok have manufactured over 1 million products supplied all over the world through their network of distributors who provide full advice, training, parts and after-sales services to ensure that Camlok lifting clamps deliver long life, reliable, productive and cost-effective performance - wherever you are, whatever you do!

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CONTENTS PAGE



VERTICAL PLATE CLAMPS	
- 92 Series Vertical Plate Clamps	4
- CZ 'Heavy Duty' Vertical Plate Clamps	5
- CY 'Hinged' Vertical Plate Clamps	6
- CX 'Hinged Heavy Duty' Vertical Plate Clamps	6
- HG 'High Grip' Vertical Plate Clamps	7
- TJC 'Twin Jaw' Vertical Plate Clamps	7
WIDE JAW	
- TAG/TWG 'Wide Jaw' Universal Clamps	8
NON-MARKING	
- LJ 'Non-Marking' Plate Clamps	9
- TSB Non-Marking 'Friction' Plate Clamps	9
HORIZONTAL PLATE CLAMPS	
- CH/HH Horizontal Plate Clamps	10
- RH Horizontal Plate Clamps	11
- ACH 'Adjustable' Horizontal Plate Clamps	11
- THK 'Thin Sheet' Horizontal Plate Clamps	11
GIRDER/SECTION CLAMPS	
- CG 'Standard' Girder Turning Clamps	12
- TTR 'Vertical Flange' Girder Stacking Clamps	12
- TTG 'Horizontal Flange' Girder Stacking Clamps	12
LIFTING MAGNETS	
- TPM 'Permanent' Lifting Magnets	13
RAIL CLAMPS	
- CR Single Rail Clamps	14
- MR 'Fixed' Multi Rail Grabs	15
- MRC 'Interchangeable' Multi Rail Grabs	15
PILING, PIPE HOOKS, & BOARD CLAMPS	
- PP Pile Pulling Clamps	16
- CP Pile Pitching Clamps	16
- PH Pipe Hooks	16
- TPZ Board Clamps	17
HAND & SCREW CLAMPS	
- HGC Hand Grip Clamps	17
- TSZ 'Two Way' Screw Clamps	17
- TSH 'Swivel Hook' Screw Clamps	17
CRANE FORKS	
- TKG-VH/VHS 'Manual / Auto' Balance Crane Forks	18
DRUM CLAMPS	
- DC500 Drum Clamp	19
- DCV500 'Vertical Lift' Drum Clamp	19
- DA/DAF 'Low Headroom' Drum Grabs	19
GRABS, HOOKS, LUGS & MISC	
- TRU Round Stock Grabs	20
- TBG/TST Block Grabs	20
- TCK 'Single Arm' C-Hooks	21
- TCS 'Universal' Turning Hooks	21
- CLT/CLB Container Lifting Lugs	22
- TTB Big Bag Lifters	23
- FLTH Adjustable 'Dual' Tine Hooks	23
- SL Shearlegs	23
SUSPENSION POINTS	
- YC Beam Clamps	24
- BA Bulb Bar Anchors	24
- SC92 Beam Clamps with Shackle	24
LOAD MOVING	
- SX/S Load Moving Skates	25
- SCS Caterpillar Skates	25
- RPB Roller Pinch Bars	25
SAFETY INSTRUCTIONS	26 - 27

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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 plate.

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

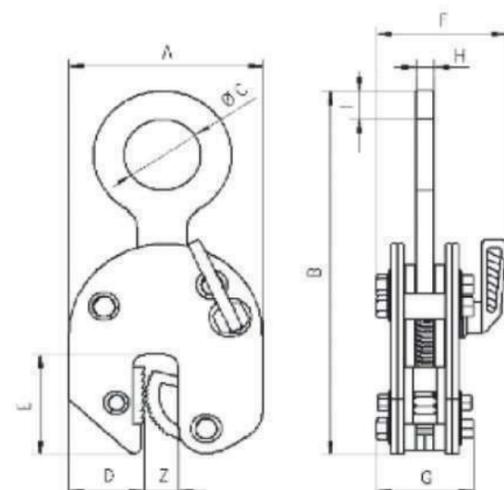
These plate clamps are service-friendly, making it easy to exchange parts, which are readily available. Clamp repairs are available through the factory, or can be done by a competent person.

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



Model	WLL kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight 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.
 *Per clamp. **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°.

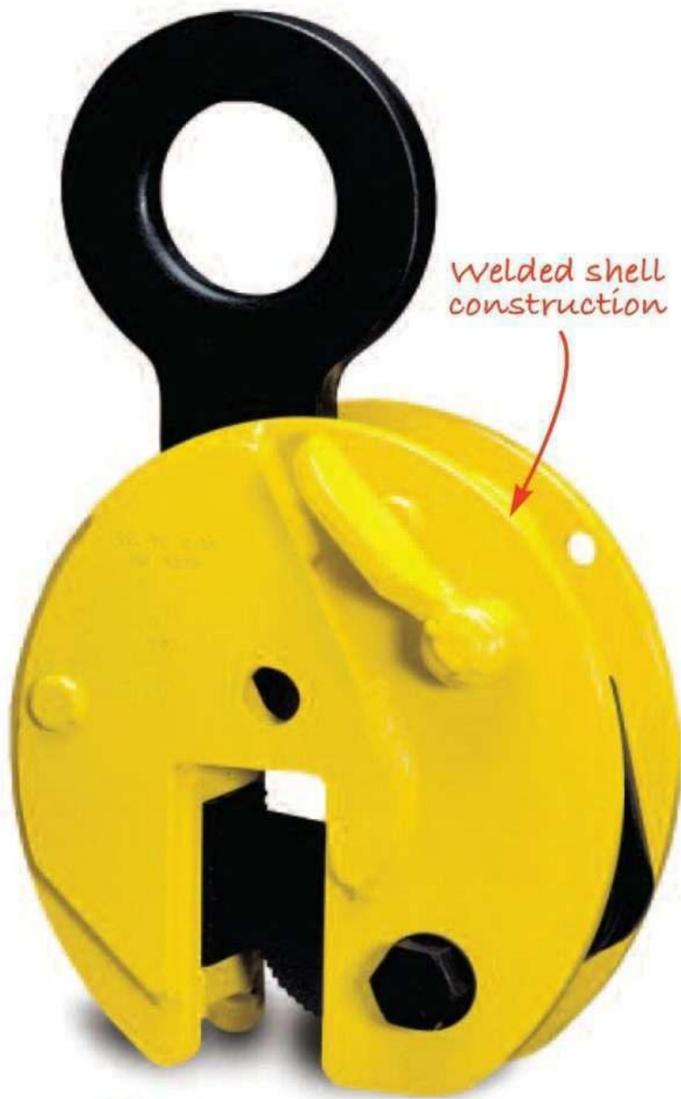
They can also be used for transporting steel constructions and profiles. It is recommended to use a pair of plate clamps in conjunction with a spreader beam for long plate.

Function

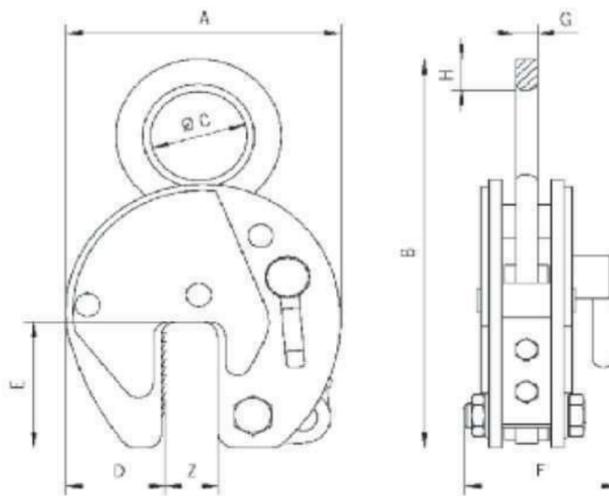
The jaw is opened and closed with the locking lever. The safety lock spring loads the cam jaw, preventing the clamp from opening even when there is no load.

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.



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 mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight 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
CZ 4	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

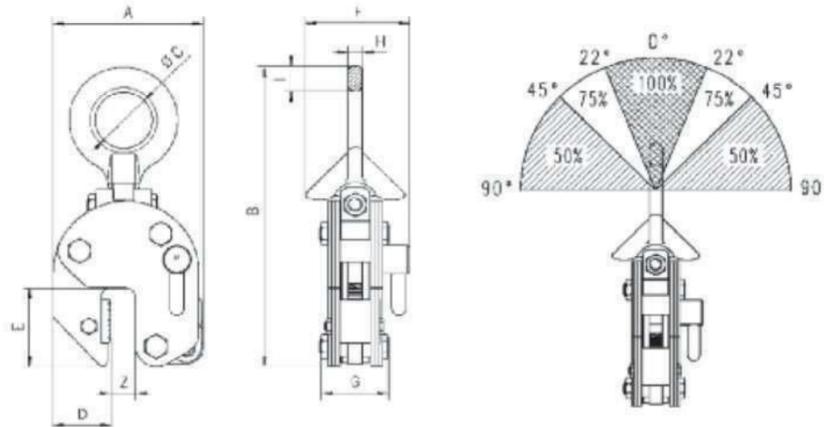
PLEASE NOTE: Units are supplied as standard with a hook ring. Link fitting and chain are available on request as a special order. Also available with 'Sharp Leg' body shell or extra thick shell plates for dragging. Please contact sales team for further details and prices.
 *Per clamp. **Weight per clamp 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 mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm
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

*Per clamp. **Weight per clamp without chains.

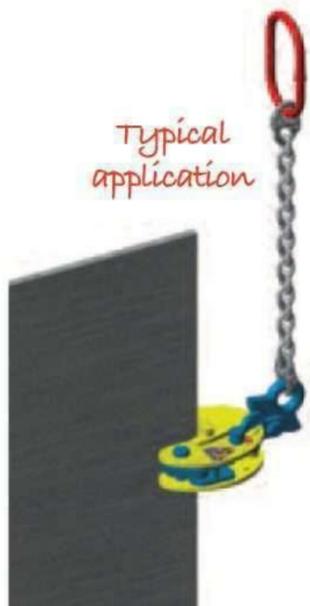
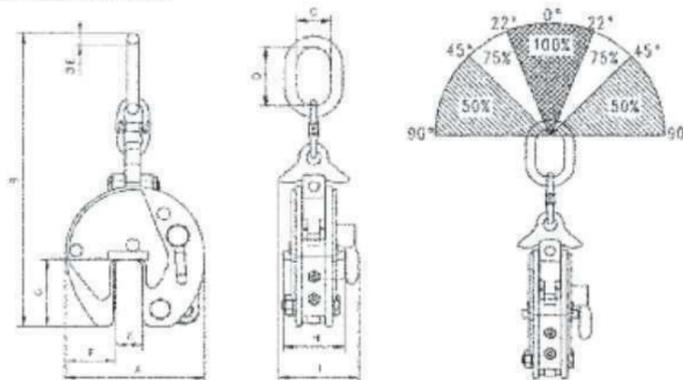
CX 'HINGED' VERTICAL PLATE CLAMPS (HEAVY DUTY - SIDE LOADING)



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 kg*	Jaw (Z) capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight 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

*Per clamp. **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

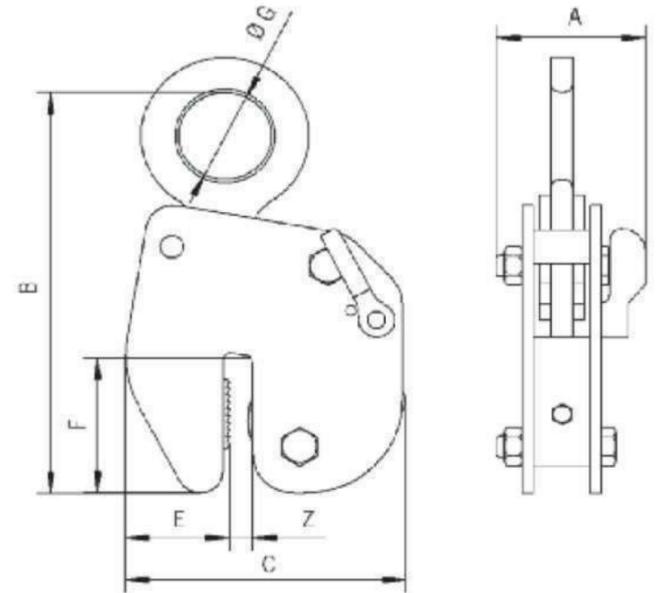
HG plate clamps have an extremely high clamping force which makes the clamps particularly suited to the transport of plate with a surface hardness up to HRC 40/Brinell 375.

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

*Per clamp.

**Weight 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.

TAG/TWG 'WIDE JAW' VERTICAL 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.

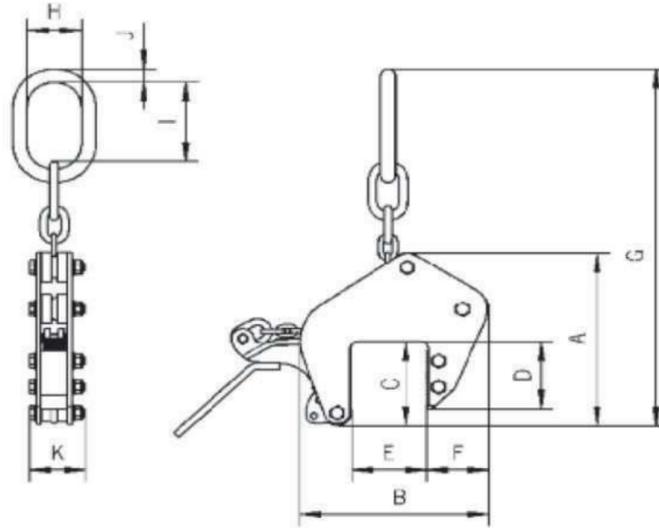
The automatic gripping force is retained by a positive tension jaw spring, even if there is slack in the chain. The clamps are also fitted with a 'Quick-Open' lever for ease of loading and unloading.

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.

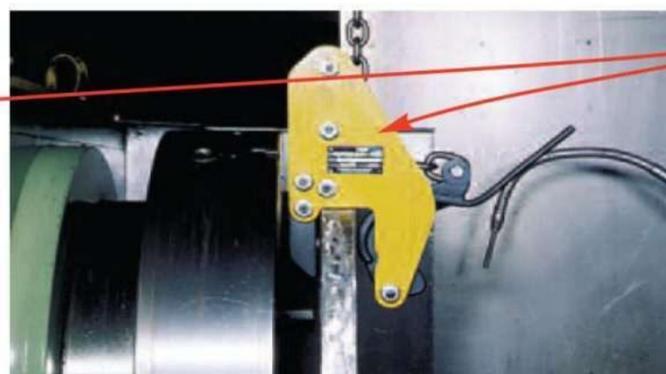
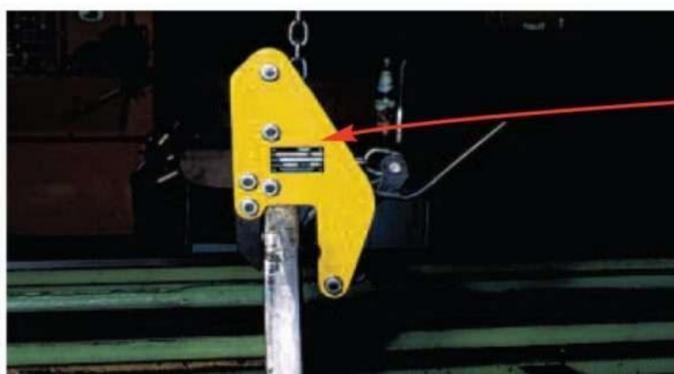


TAG 750/100



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

*Per clamp.



* 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 a lathe etc.

LJ 'NON-MARKING' PLATE CLAMPS

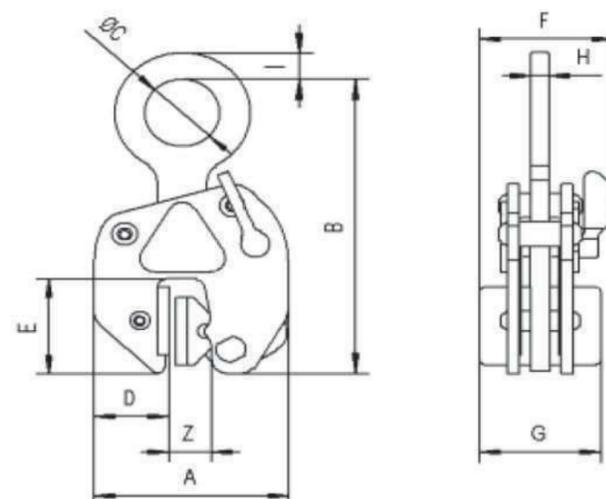


The LJ non-marking plate clamps are designed for lifting, turning and transporting of structural steel plates, stainless steel, iron, timber and aluminium without marking, damaging or leaving indentations on the surface. It can also be used for steel plates with extremely hard surfaces.

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 kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	Weight kg**
LJ 500	25 - 500	0 - 10	127	200	50	52	69	86.5	76	13	20	3.5
LJ 1500	180 - 1500	0 - 20	215	345	85	75	135	131	118	20	24	12

*Per clamp.

**Weight per clamp.

TSB NON-MARKING 'FRICTION' PLATE CLAMPS



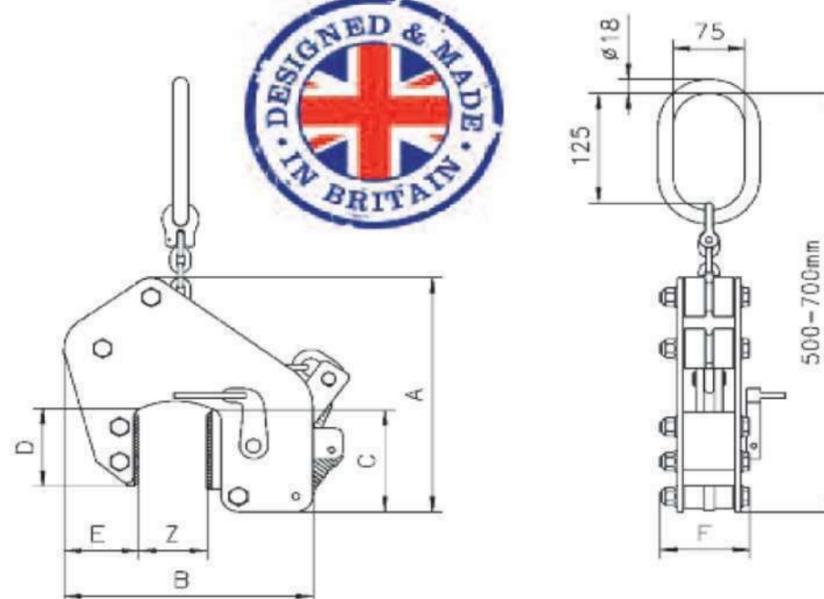
The TSB non-marking plate clamps with chain are designed for vertical lifting and transporting of plate material. This particular range of clamps has a large jaw capacity that enables it to be used on a multitude of applications.

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 kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg*
TSB 350/65	20 - 350	0 - 65	270	260	128	100	65	78	8
TSB 750/65	40 - 750	0 - 65	270	260	128	100	65	78	9
TSB 1250/65	125 - 1250	0 - 65	270	260	128	100	65	78	12

*Per clamp.

CH/HH HORIZONTAL PLATE CLAMPS

SOLD IN PAIRS

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.

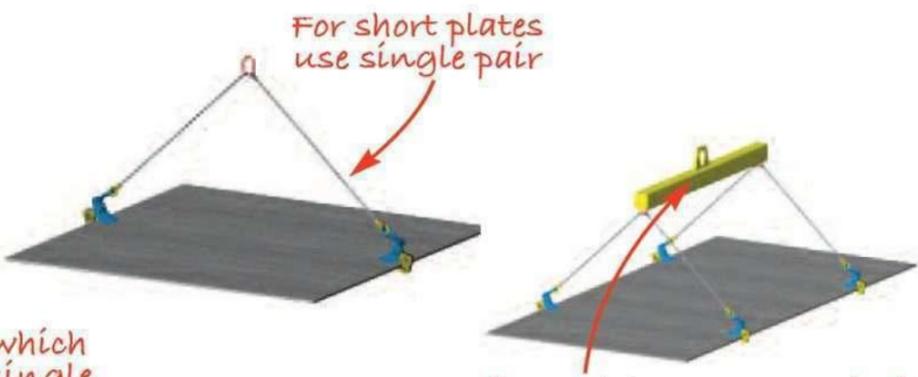


Workmanship and parts

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.



CH with serrated jaw which can only be used for single plates, NOT bundles

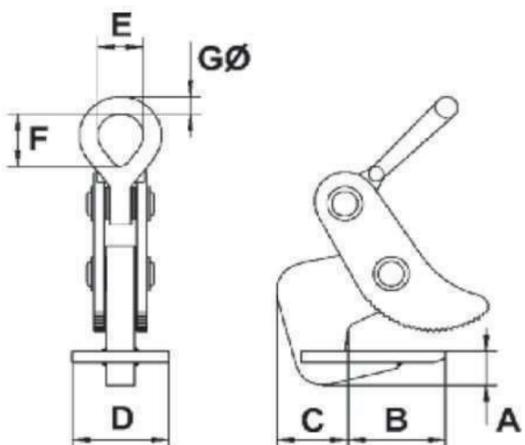


Model	WLL kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight kg**
CH1***	1000	5 - 32	30	82	60	100	32	44	13	8
CH2	2000	5 - 32	30	82	60	100	50	73	18	11
CH2L	2000	20 - 50	30	82	60	100	50	73	18	12
CH4	4000	5 - 50	40	112	80	100	64	92	25	17
CH4L	4000	50 - 100	40	112	80	100	64	92	25	23
CH6	6000	5 - 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

*Per pair. **Weight per pair of clamps without chains. ***NB. CH1 is fitted with a single jaw.



*Chain slings NOT included

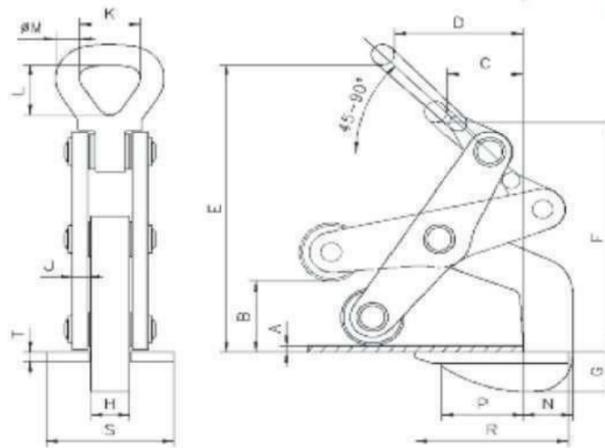


NB: The angle between the chain / rope legs must not exceed 45° from vertical

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

RH HORIZONTAL PLATE CLAMPS

*** SOLD IN PAIRS**



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 kg*	Jaw capacity mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm	L mm	M mm	N mm	P mm	R mm	S mm	T mm
RH1500	1500	5 - 60	5	60	60	105	250	200	22	30	12	50	73	18	36	65	120	100	10
RH2500	2500	10 - 70	10	70	75	130	135	275	38	30	12	64	92	25	58	77	150	100	10
RH3500	3500	10 - 80	10	80	90	162	345	292	48	30	15	64	92	25	65	105	185	100	10
RH5000	5000	10 - 102	10	102	110	170	425	345	45	45	20	89	130	35	80	120	210	120	12

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

ACH 'ADJUSTABLE' HORIZONTAL PLATE CLAMPS



*Chain slings and shackle NOT included

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 kg*	Jaw capacity mm	Weight 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

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

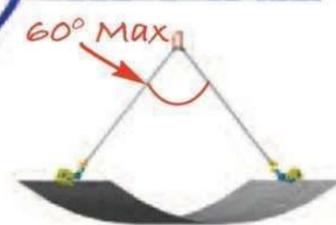
THK 'THIN SHEET' HORIZONTAL PLATE CLAMPS



*Shackle NOT included

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

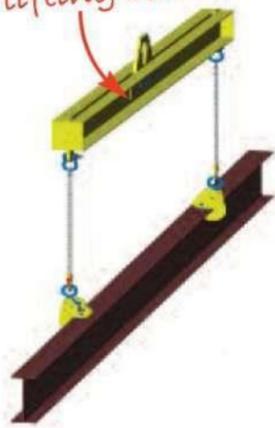
Model	WLL kg*	Jaw capacity mm	Weight kg**
THK 750	40 - 750	0 - 25	3
THK 1500	75 - 1500	0 - 35	6
THK 3000	150 - 3000	0 - 35	11
THK 4500	250 - 4500	0 - 45	16
THK 6000	300 - 6000	0 - 60	23
THK 9000	450 - 9000	0 - 60	35

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

CG 'STANDARD' GIRDER TURNING CLAMPS



For longer girders use two clamps and a lifting beam



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

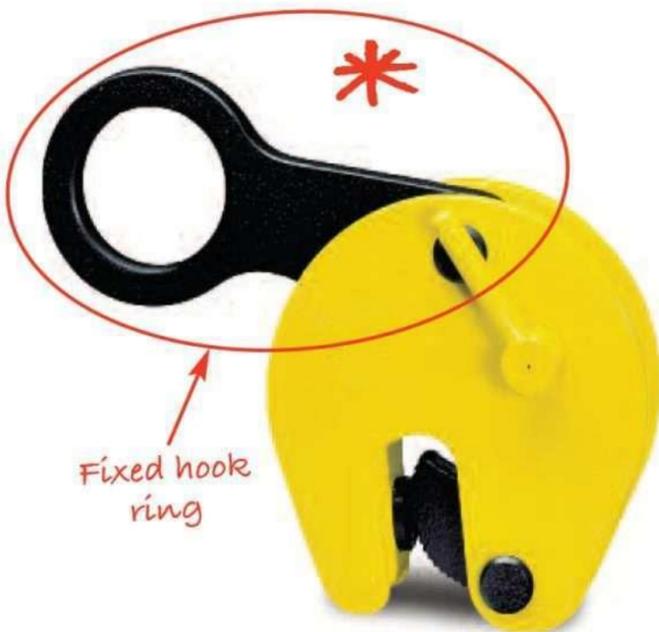
They can be used individually, or for longer beams used in pairs in conjunction with a spreader beam as shown in diagram.

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° degrees.

Model	WLL kg*	Jaw capacity mm	Weight 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

*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.

Model	WLL kg*	Jaw capacity mm	Weight kg*
TTG 500	25 - 500	0 - 20	3
TTG 1500	75 - 1500	0 - 30	5.5
TTG 3000	150 - 3000	0 - 35	11
TTG 4500	450 - 4500	0 - 40	14.5
TTG 7500	750 - 7500	0 - 45	28

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

TPM PERMANENT LIFTING MAGNETS



TPM permanent lifting magnets are ideal tools for easy, quick and economical transport of heavy objects made from ferro-magnetic material. Typical operating areas are workshops and warehouses, loading and unloading of machines as well as construction of jigs and fixtures.

Factors that reduce the magnetic clamping force:-

Air gap: High magnetic forces created by the TPM allow the magnet to clamp components through the air gap, however, air gaps will reduce the magnetic performance as they provide a barrier between the contact surfaces. Air gaps occur in a number of different ways such as paint, dust and heavy mill scale. Poorly machined surfaces also constitute an air gap. Please down rate the magnet capacity in accordance with the adhesive force/air gap diagram below.

Material thickness: If the TPM is used to lift plates thinner than the recommended minimum thickness, the clamping forces will be significantly reduced. Performance curves can be identified in conjunction with the adhesive force/flat thickness diagram below:

Contact area: Full lifting capacity can only be achieved when the magnet has full contact area with the component being lifted. If the contact surface has holes in or is uneven then the performance will be affected accordingly. Always carry out a trial lift in these circumstances to establish correct lifting before transporting the load.

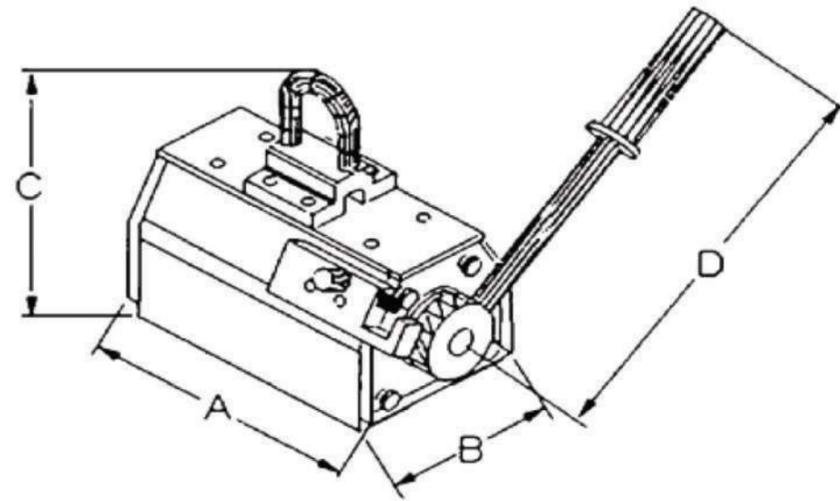
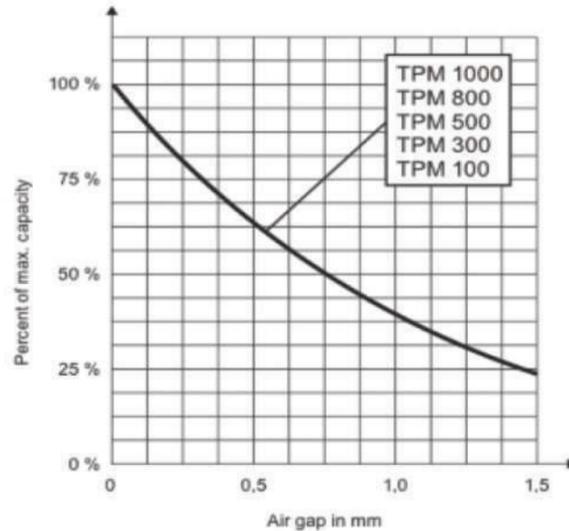
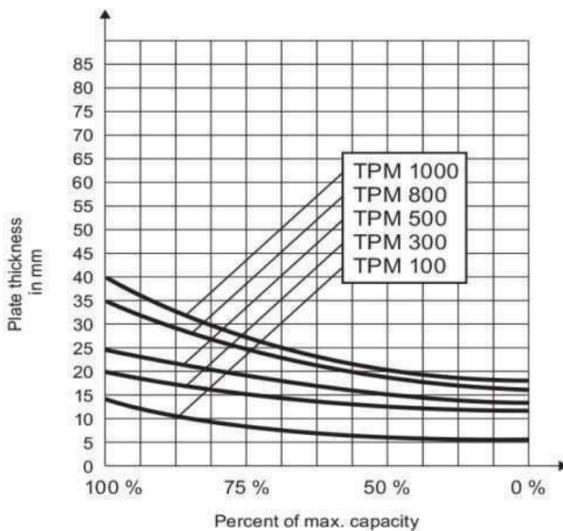
Material type: Certain materials have different abilities to carry magnetism. For materials other than mild steel a reduction factor must be applied in order to calculate the effective clamping force.

Typical values:

Ferrous alloy steels 0.8
High carbon steels 0.7
Cast iron 0.55

Examples of reduced WLL:

Mild steel 500g
Cast iron 500kg x 0.55 = 275kgs



Model	Flat material			Round material			Tear off force kg	Dimensions				Weight kg
	Maximum capacity WLL kg**	Minimum thickness to obtain max. WLL mm**	Maximum length of material mm	Maximum capacity WLL kg**	Diameter mm	Maximum length of material mm		A mm	B mm	C mm	D mm	
TPM 0.1	100	14	2000	50	40-300	2000	300	122	69	185	160	5.3
TPM 0.3	300	20	2500	150	60-300	2500	900	192	95	225	250	13.5
TPM 0.5	500	24	3000	250	60-400	3000	1500	232	120	270	250	27.5
TPM 0.8	800	34	3500	400	60-400	3500	2400	302	154	320	450	52
TPM 1.0	1000	40	3500	500	80-400	3500	3000	332	154	320	450	57

**Maximum lifting capacity is achieved by using mild steels with the noted minimum thickness.
Mild steel st37 - Fe 360 to BS EN 10 025 1990 (DIN 17100).

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.

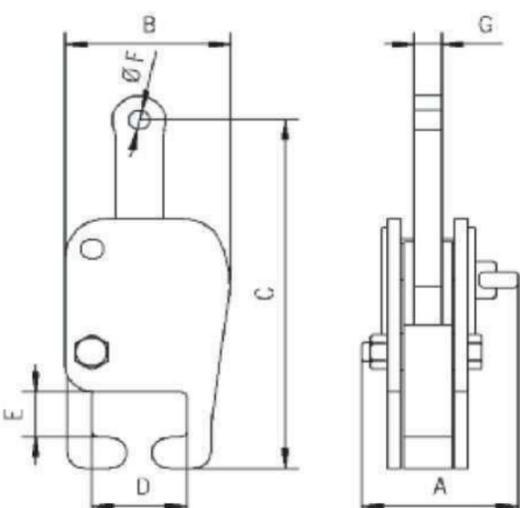
The clamps are designed to fit most types of rail section currently in use. The clamps have a narrow profile to enable attachment to an individual rail when rails are side by side.

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'.



Model	CR1000	CR2000
A', 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

¹ Scissor

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

**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)

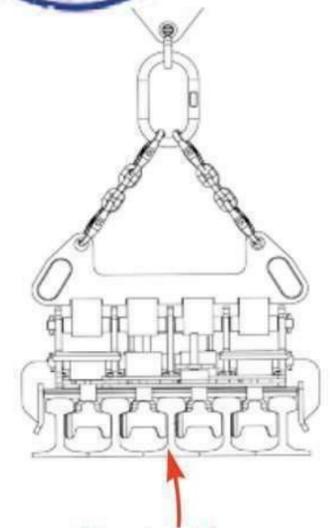
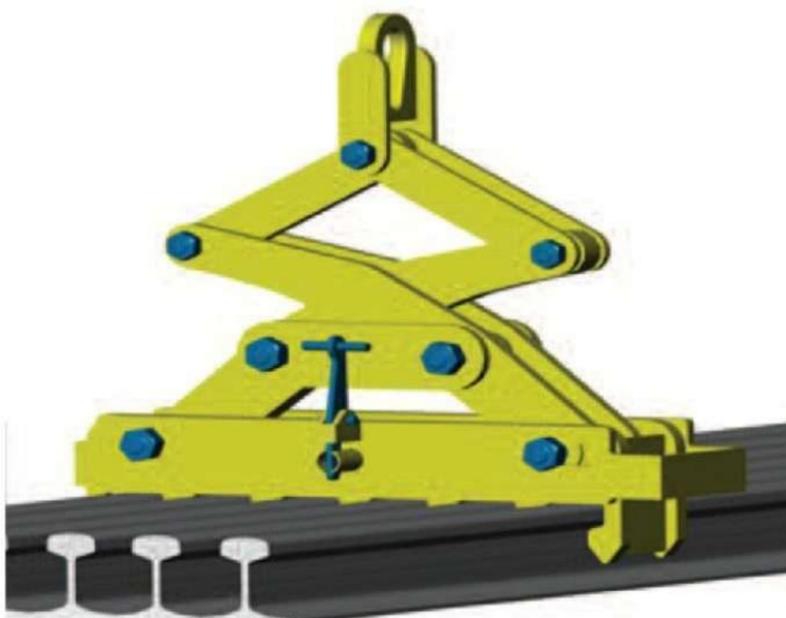


Illustration of MR Multi-rail configuration

Model	Number of rails	WLL* kg	Weight* kg
MR3	3	5000	84
MR4	4	5000	108
MR5	5	5000	132
MR6	6	6000	156
MR7	7	7000	180
MR8	8	8000	204
MR9	9	9000	228
MR10	10	10000	252
MR12	12	12000	300

*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.

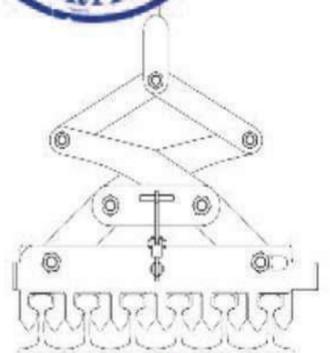


Illustration of MRC Multi-rail configuration

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

• Please advise rail section when ordering.

PP PILE PULLING 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

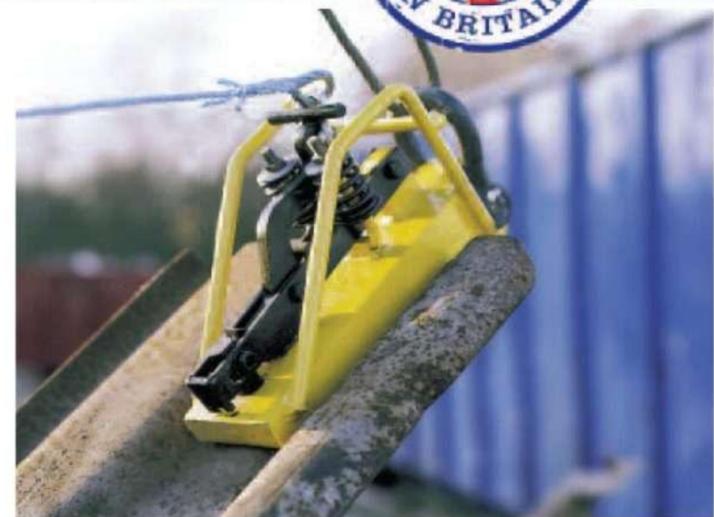
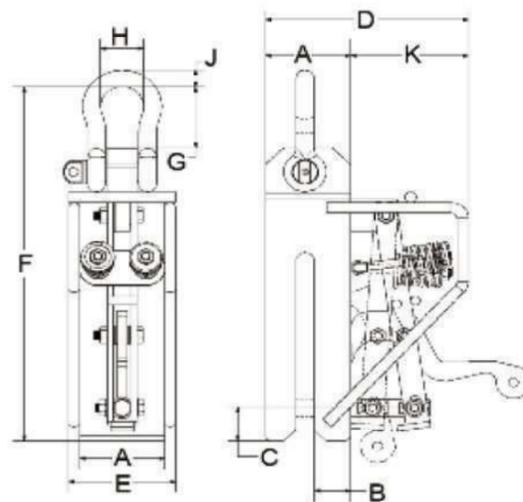
*Shackle NOT included on PP clamps.

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 **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 mm	F mm	G mm	H mm	J mm	K mm	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° - 90° top angle between chains:

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

*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 kg*	Jaw capacity mm	Weight 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

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



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

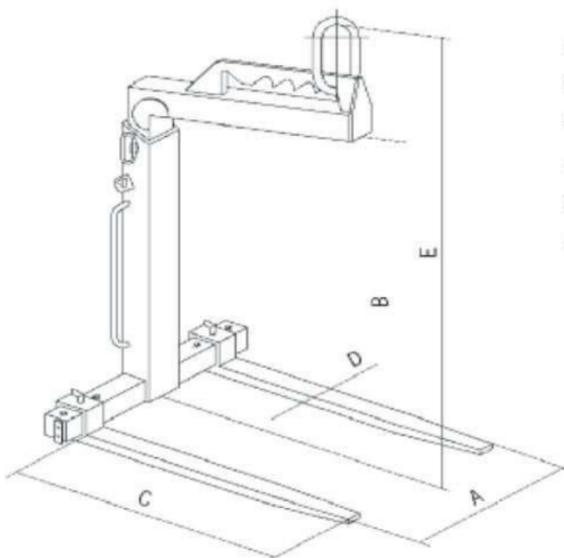
Model	WLL kg*	Jaw capacity mm	Weight kg*
TSH 750	750	0 - 30	3
TSH 1500	1500	0 - 32	7
TSH 3000	3000	0 - 50	11
TSH 5000	5000	0 - 80	27

*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
- Maintenance 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.

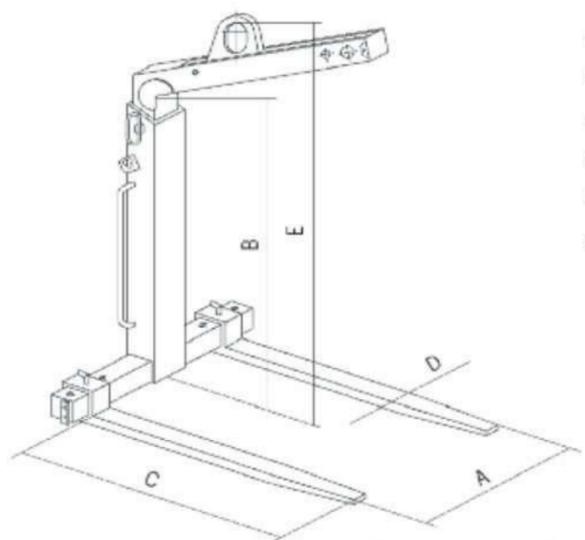


Model	WLL* kg	Adjustment of tines (A) mm	Useable height (B) mm	Length of tines (C) mm	Section of tines (D) mm	Overall height (E) mm	Weight kg
TKG1.0vh	0 - 1000	350 - 900	1100 - 1600	1000	100 x 30	1390 - 1890	130
TKG2.0vh	0 - 2000	400 - 900	1300 - 2000	1000	120 x 40	1640 - 2340	200
TKG3.0vh	0 - 3000	450 - 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
- Maintenance 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.



**NB: The automatic balancing system requires a minimum load of 20% of the crane forks working load limit.*

Model	WLL* kg	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
TKG1.0vhs	*200 - 1000	350 - 900	1100 - 1600	1000	100 x 30	1420 - 1920	140
TKG2.0vhs	*400 - 2000	400 - 900	1300 - 2000	1000	120 x 40	1655 - 2355	220
TKG3.0vhs	*600 - 3000	450 - 900	1300 - 2000	1000	120 x 50	1720 - 2420	280
TKG5.0vhs	*1000 - 5000	500 - 1000	1300 - 2000	1000	150 x 60	1710 - 2410	380

DC500 DRUM CLAMP

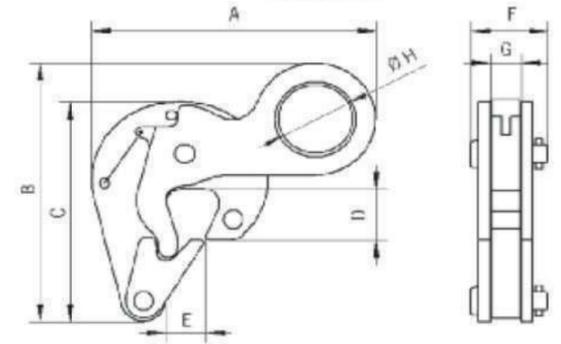


*chains slings not supplied



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

*Per clamp. NB: For use with STEEL DRUMS only.

DCV500 'VERTICAL LIFT' DRUM CLAMP

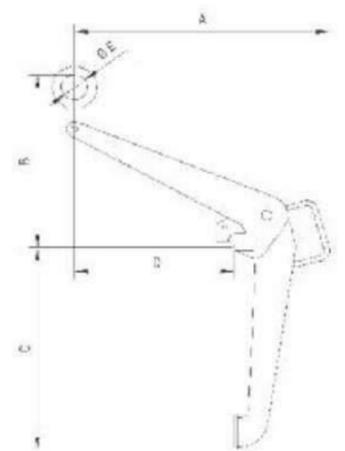


The DCV500 drum clamp has been designed to lift and transport steel drums in the vertical position. One clamp can be used to lift drums with or without their lids by gripping the rim of the drum.

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.

NB: For use with STEEL DRUMS only.



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

*Per clamp.

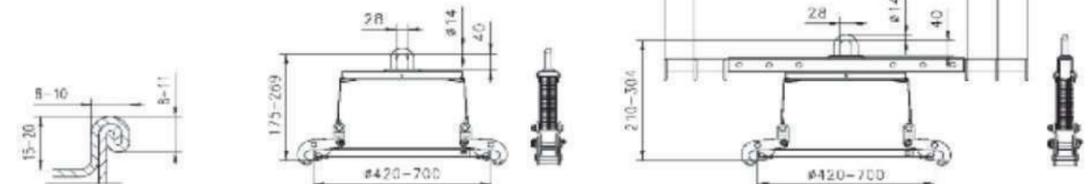
DA/DAF 'LOW HEADROOM' DRUM GRABS



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

*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 kg	Jaw capacity mm	Weight 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

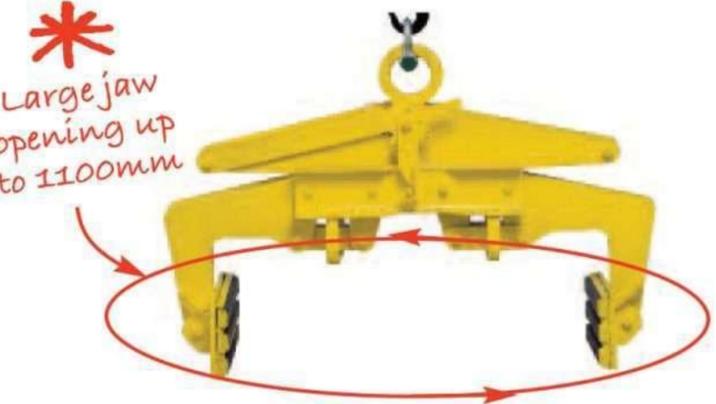
TBG/TST BLOCK GRABS



* Small jaw opening up to 250mm



* Large jaw opening up to 1100mm



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.



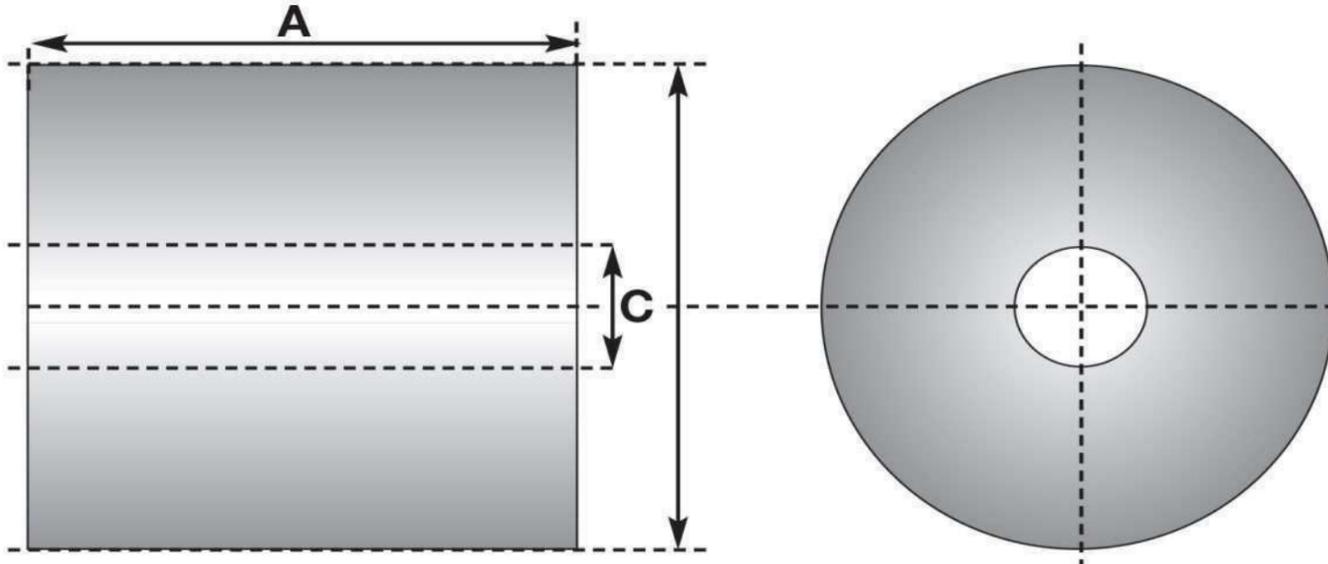
Model	WLL kg	Jaw capacity mm	Weight kg
TBG/TST500S	500	0 - 150	27
TBG/TST1000S	1000	50 - 250	50
TBG/TST200L	200	200 - 500	49
TBG/TST300L	300	400 - 700	52
TBG/TST500L	500	600 - 900	55
TBG/TST1000L	1000	800 - 1100	72

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.



Load details: The more information you can provide the quicker a quote can be prepared. Please provide the Width (A) x Outside Dia. (B) x Inside Dia. (C)

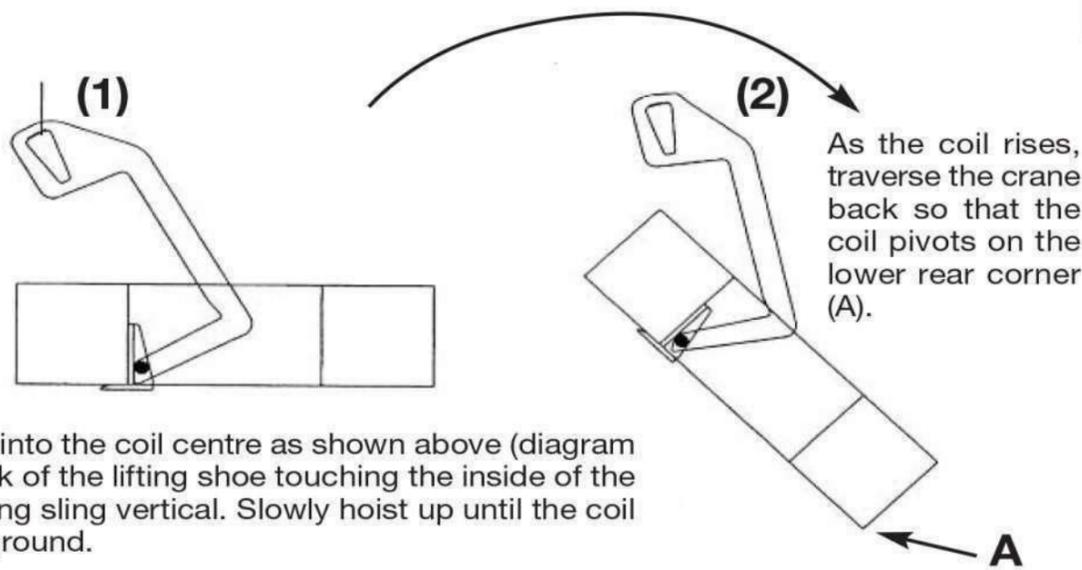


TCS 'UNIVERSAL' TURNING HOOKS



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.



Place the hook into the coil centre as shown above (diagram 1), with the back of the lifting shoe touching the inside of the coil and the lifting sling vertical. Slowly hoist up until the coil rises from the ground.

Continue hoisting and traversing the crane until the coil is vertical. Take special care when the pivot point is below the cog of the coil, as the coil will topple back into the hook. If thin coils are lifted, then place the coil down on its edge and move the coil to the rear of the hook for transporting.

Model	WLL kg	Coil mm	Min. internal dia. mm	Weight kg
TCS 0.5 / 120	500	50 - 120	220	9
TCS 0.5 / 200	500	100 - 200	300	10
TCS 1.0 / 200	1000	100 - 200	300	13
TCS 1.0 / 300	1000	200 - 300	400	15
TCS 2.0 / 200	2000	100 - 200	300	21
TCS 2.0 / 300	2000	200 - 300	400	23
TCS 3.0 / 200	3000	100 - 200	300	34
TCS 3.0 / 300	3000	200 - 300	400	39

CLT/CLB CONTAINER LIFTING LUGS

Always read operating instructions prior to use.

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.



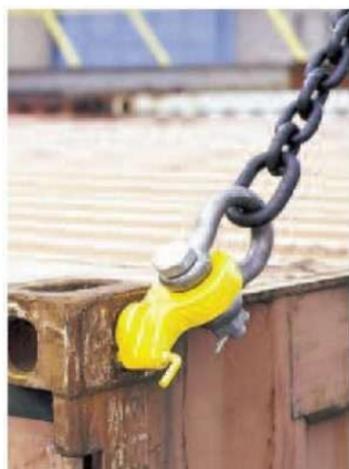
CLT
for top lifting



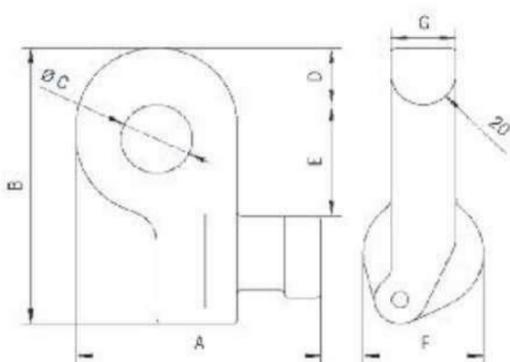
CLB
for side lifting

Model	WLL kg*	Type of lifting	Sling angle from vertical	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight kg*
CLB	32000 40000 50000	SIDE	50° 36° Vertical	152	181	45	37	73	75	40	18
CLT	56000	TOP	Vertical	123	217	45	39	57	101	121	28

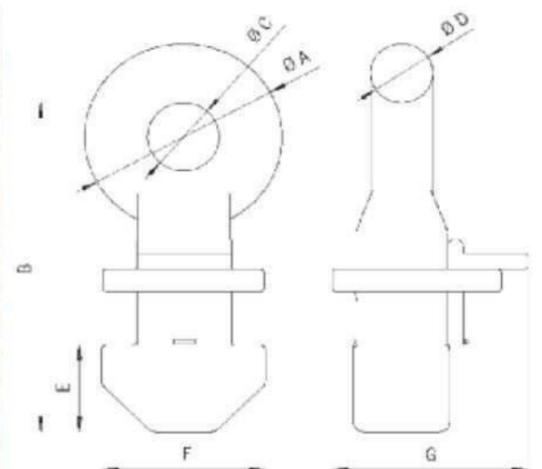
*Per set of 4.



**Container lifting lug
CLB**



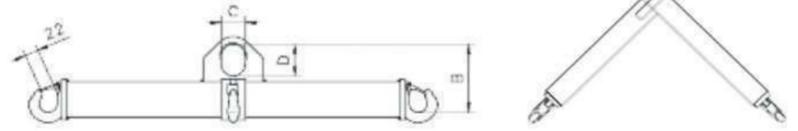
**Container lifting lug
CLT**



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 kg	Width (Z) mm	B mm	C mm	D mm	Weight 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

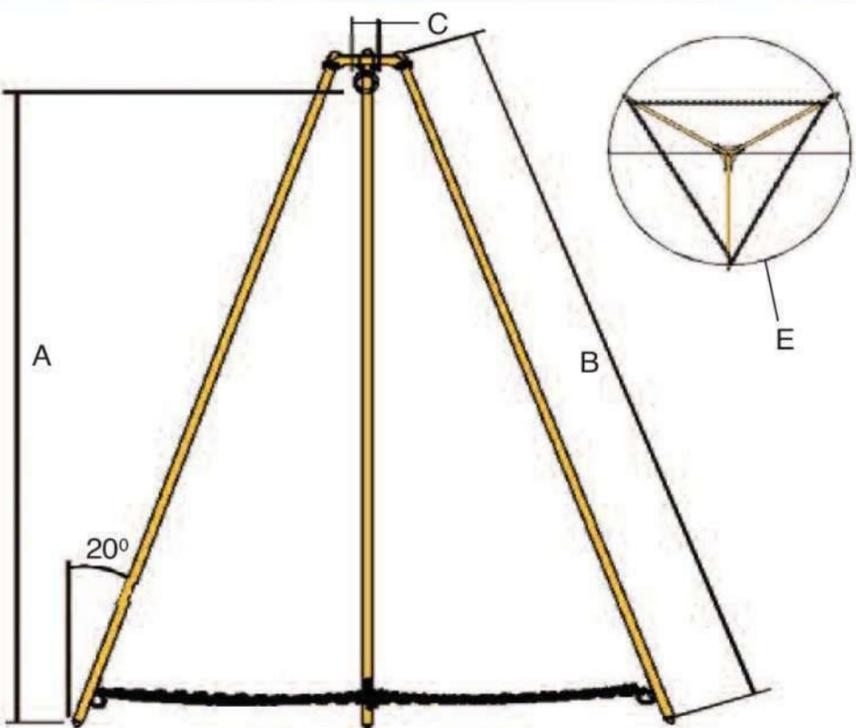
FLTH ADJUSTABLE 'DUAL' TINE HOOKS



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

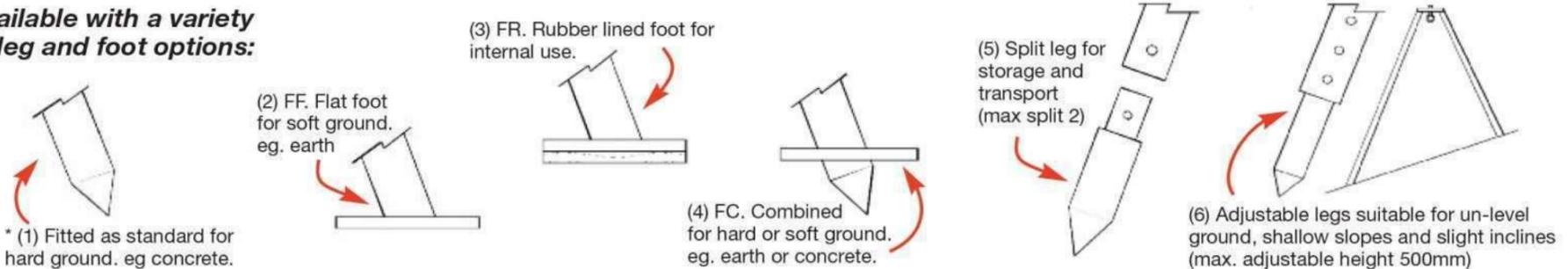


The Camlok Shearlegs have been designed to be simple and easy to erect and operate. Each set of shearlegs are supplied, as standard, fitted with safety chains and a large eyebolt for the suspension of hand operated lifting mechanisms, chain blocks or pulleys.

NB: These shearlegs must not 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' mm	Weight kgs
SL0.500/2	500	2000	2254	1800	24
SL1000/2	1000	2000	2276	1816	33
SL1000/3	1000	3000	3340	2544	44
SL1000/4	1000	4000	4411	3270	89
SL2000/3	2000	3000	3366	2554	71
SL2000/4	2000	4000	4430	3282	90
SL3000/3	3000	3000	3409	2730	88
SL3000/4	3000	4000	4473	3458	108

Available with a variety of leg and foot options:



*Fitted with standard legs for hard ground. Call the sales team for prices on other foot options.

YC 'STANDARD' BEAM CLAMPS



Beam clamp model YC

Working load limit (WLL) 1000 - 10000kg

The YC beam clamp provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads and comes complete with a locking device. The unit offers flexible applications, due to the wide adjustment range. The central threaded spindle allows easy attachment and a safe and secure grip to the beam flange.

NB. THIS MODEL MUST NOT BE USED FOR LIFTING BEAMS. IT IS ONLY TO BE USED AS A SUSPENSION POINT.

Model	Capacity (WLL) kg	Beam width mm	Weight kg
YC1	1000	75 - 230	3.8
YC2	2000	75 - 230	4.6
YC3	3000	80 - 320	9.2
YC5	5000	90 - 320	11.0
YC10	10000	90 - 320	17.2

BA BULB BAR ANCHORS



The BA bulb bar anchor has been designed for attachment to bulb profiles, often found in ship compartments and engine rooms, and provides a semi-permanent suspension point. The clamp can be quickly and easily attached via the screw mechanism.

The fabricated light weight design ensures a firm grip onto the bulb section. The unique large bow hook ring gives easy connection for all types of lifting machines.



Model	WLL kg*	Max. bulb mm	Weight kg*
BA0.75	750	80 - 160	3
BA1.5	1500	160 - 240	4
BA3.0	3000	240 - 320	5.5
BA6.0	6000	320 - 430	12.5

*Per clamp. • Please contact our sales team for full technical drawings.
NB. THIS MODEL MUST NOT BE USED FOR LIFTING BEAMS. IT IS A SUSPENSION POINT.

SC92 BEAM CLAMPS WITH SHACKLE



Model	Capacity (WLL) kg	Beam width mm	Weight kg
SC92-1	1000	75 - 210	5.0
SC92-2	2000	75 - 210	6.0
SC92-3	3000	100 - 270	8.0
SC92-3/L	3000	75 - 305	9.0
SC92-5	5000	100 - 270	10.0
SC92-5/L	5000	75 - 305	12.0
SC92-10	10000	75 - 305	19.0
SC92-15	15000	75 - 305	35.0
SC92-20	20000	300 - 410	87.0

The SC92 beam clamp provides a quick and versatile rigging point for hoisting equipment, pulley blocks or loads. The unit offers flexible applications, due to the wide adjustment range. The shackle suspension allows easy attachment of lifting machines. The clamp offers a safe and secure grip to the beam flange.

NB. THIS MODEL MUST NOT BE USED FOR LIFTING BEAMS. IT IS A SUSPENSION POINT.

SX/S 'HEAVY DUTY' NYLON WHEELED SKATES



Load moving skates

Capacities: 10 tonnes up to 100 tonnes

Designed for the professional load mover, these systems have been developed over a number of years to ensure total ease of operation and maximum safety.

Load moving skates comprise of a steerable front section and a pair of adjustable rear trolleys. These systems are available in capacities ranging from 10 to 100 tonne and can be stripped down to component parts for easy transportation.

Hydraulic toe jacks are also available - call for details.



Skates in use



Model	Capacity of COMPLETE SYSTEM tonne	Colour and quantity of wheels	Size of wheels mm	Turntable diameter mm	Overall height mm	Rear width adjustment mm	Boxed weight COMPLETE SYSTEM kg
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Standard powder coated units

SX10	10	Black x 16	82 x 48	180	102	252 to 1200	54
SX20	20	Black x 32	82 x 48	180	102	480 to 1500	76
SX30	30	Black x 48	82 x 48	180	110	720 to 1500	136
S60	60	Black x 48	115 x 54	350	170	800 to 2000	302
S100	100	Black x 48	150 x 65	425	210	990 to 2000	525

• Full technical data sheets for each unit are available on request. Please contact the Steerman sales team for further information or visit our web site: www.steerman.co.uk



SCS CATERPILLAR SKATES

Steerman Caterpillar Skates provide an economic and robust solution to many load moving and placement problems.

- Features include:**
- Carrying capacity of 20, 30 or 60 tonne.
 - Modular concept allows linking of units.
 - Robust lockable steel container with nylon castors.
 - Low cost alternative for occasional use.

Model	Capacity tonne	Weight kg
SCS-20	20	50.0
SCS-30	30	58.0
SCS-60	60	92.0



RPB ROLLER PINCH BARS

Roller pinch bars are an ideal companion to the professional load mover.

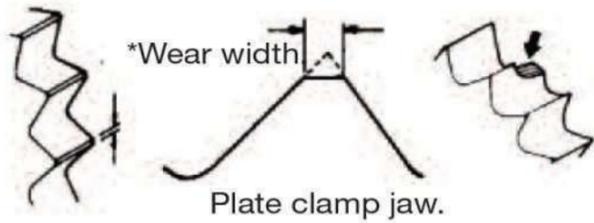
Its compact and light weight design makes it simple and very easy to use and transport. With its low toe plate height, it is able to get into the tightest gaps.

Model	Capacity kg	Lift height mm	L x W mm	Roller mm	Weight kg
RPB15	1500	145	2150 x 400	75 x 55	16.5
RPB50	5000	145	2150 x 400	70 x 54	32.0

CAMLOK SAFETY VERTICAL PLATE CLAMPS

RIGHT ✓ FOR LIFTING LONG PLATES

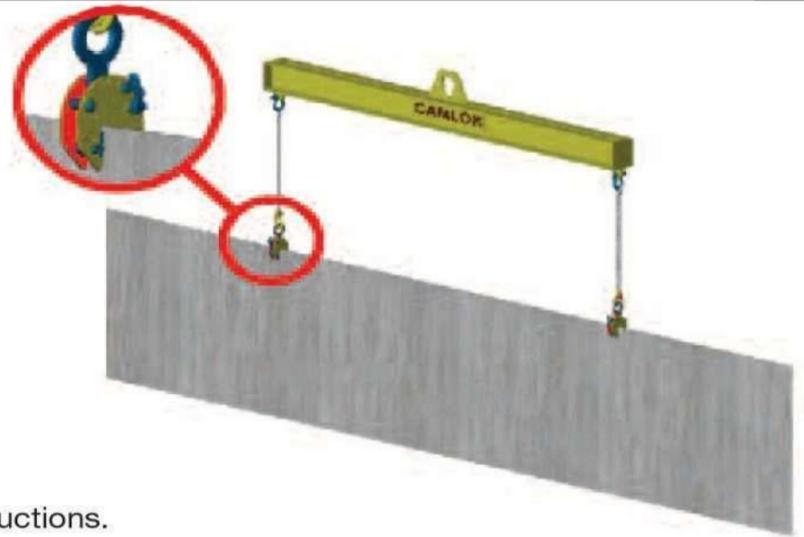
TWO CLAMPS AND A LIFTING BEAM MUST BE USED



Chipped teeth are only acceptable if the chip is less than half the width of the tooth and the adjoining teeth are undamaged.

*Wear width: See clamp operating instructions.

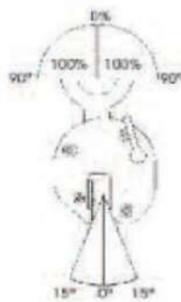
Plate at full depth and lever in locked position.



RIGHT ✓ FOR LIFTING SHORT LENGTH PLATES

A SINGLE CLAMP CAN BE USED

- 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.

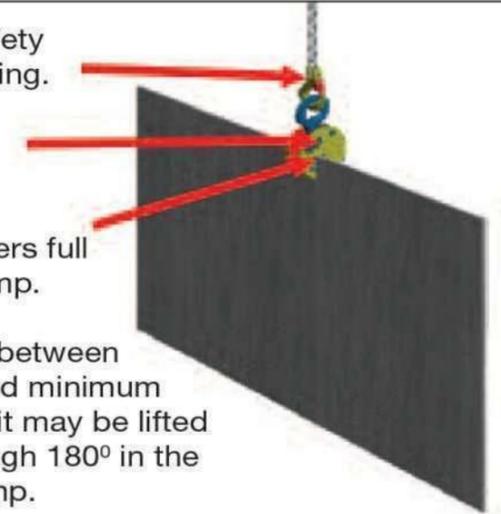


Always use a safety hook or safety sling.

Check lever is in locked position.

Ensure plate enters full depth of the clamp.

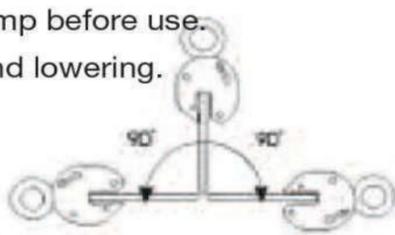
Loads weighing between the maximum and minimum working load limit may be lifted and turned through 180° in the plane of the clamp.



RIGHT ✓ FOR TURNING OVER PLATES

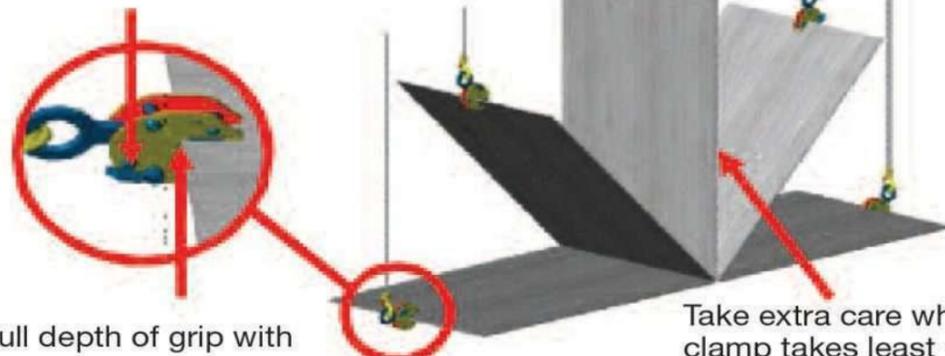
PLATE MUST BE IN CONTACT WITH BACK OF CLAMP

- 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 gravity.



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

Ensure full depth of grip with locking lever in locked position.

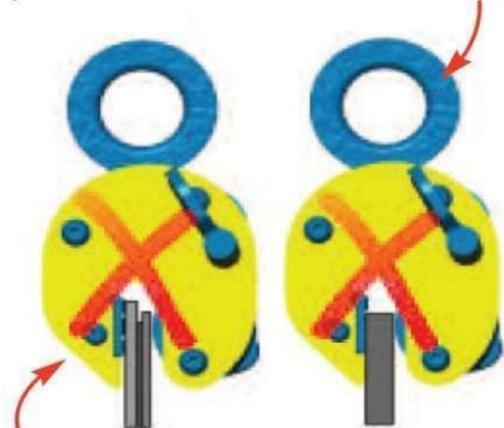


Lifting sling must be vertical for all positions.

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

WRONG ✗

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

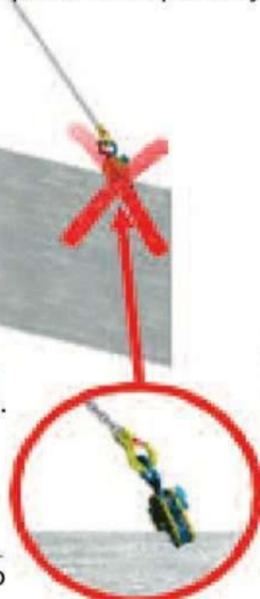


Only lift one plate at a time.

For long plates a beam must be used. Do not use endless chain slings.

Always check positioning of clamp before use.

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



When the clamp is wrongly positioned it will reposition itself on reaching top dead centre and may release the plate.



Insufficient slack in sling.

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.

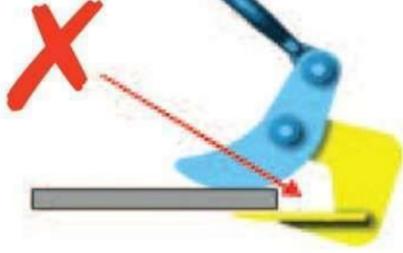
Do not lower if lever is not in the locked position.



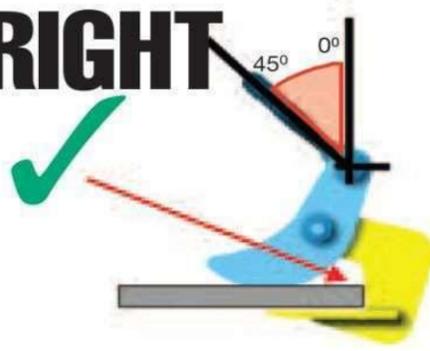
CAMLOK SAFETY HORIZONTAL / GIRDER / SCREWLOK CLAMPS

HORIZONTAL PLATE CLAMPS

WRONG



RIGHT



Check the plate is in contact with the back of the clamp.

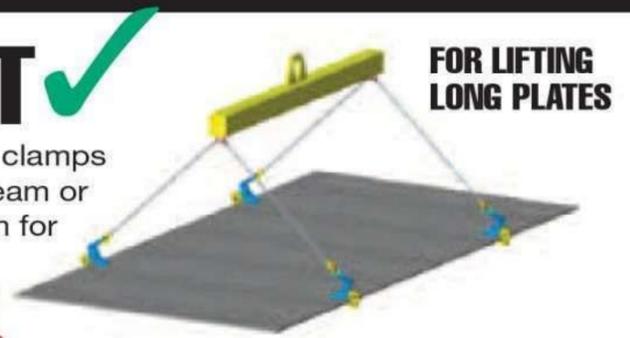
Bundles must be the same width and size.

Clamps with teeth can only lift one plate at a time.

RIGHT

Use 2 pairs of clamps and a lifting beam or spreader beam for long plates.

DO NOT USE 4 LEG SLINGS.



FOR LIFTING LONG PLATES

WRONG



RIGHT

Use one pair of clamps for short plates.

DO NOT USE ENDLESS CHAIN SLINGS.



FOR LIFTING SHORT PLATES

GIRDER / SECTION CLAMPS

CG, TTR & TTG CLAMPS

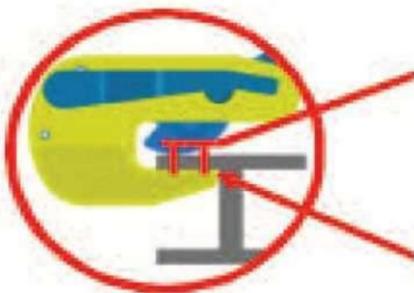
Use on small sections.

RIGHT

For long girders use 2 clamps and a lifting beam.

For short sections one clamp may be used.

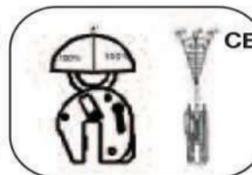
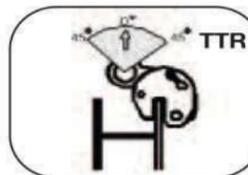
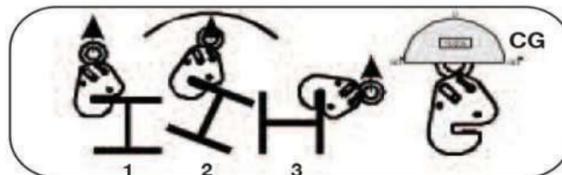
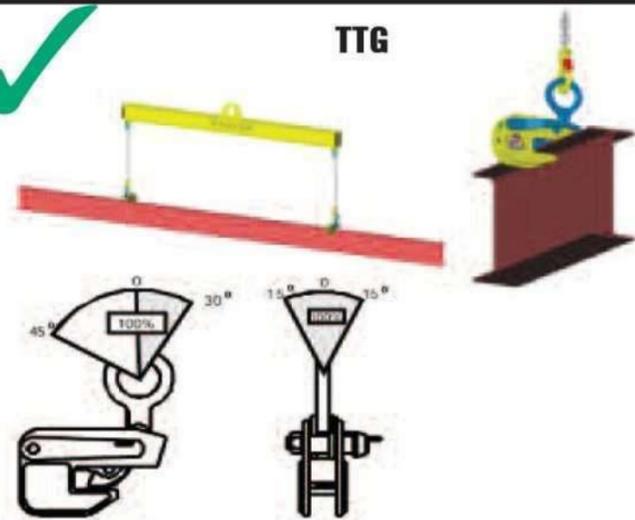
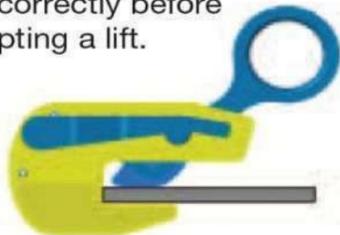
TTG



Jaw in contact with sufficient surface area to grip load safely.

Front of clamp in contact with load.

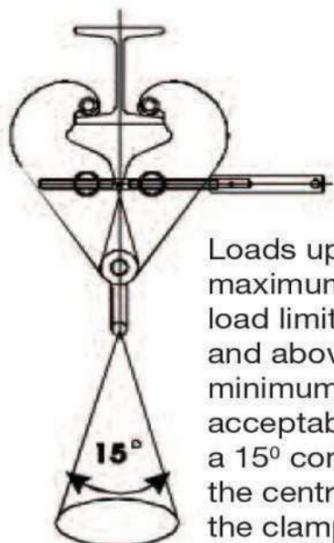
Always ensure the clamp is fitted correctly before attempting a lift.



ALWAYS READ OPERATING INSTRUCTIONS BEFORE USE.

SCREWLOK BEAM CLAMPS

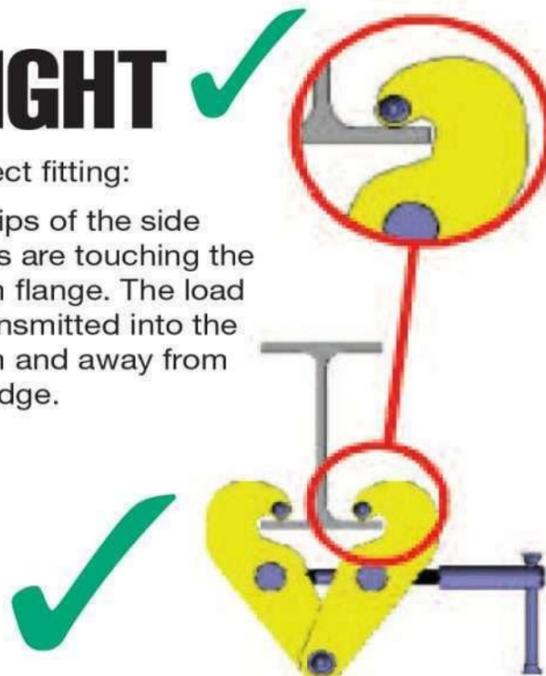
ALWAYS READ OPERATING INSTRUCTIONS BEFORE USE.



Loads up to the maximum working load limit (W.L.L.) and above the minimum W.L.L. are acceptable within a 15° cone from the centre line of the clamp.

RIGHT

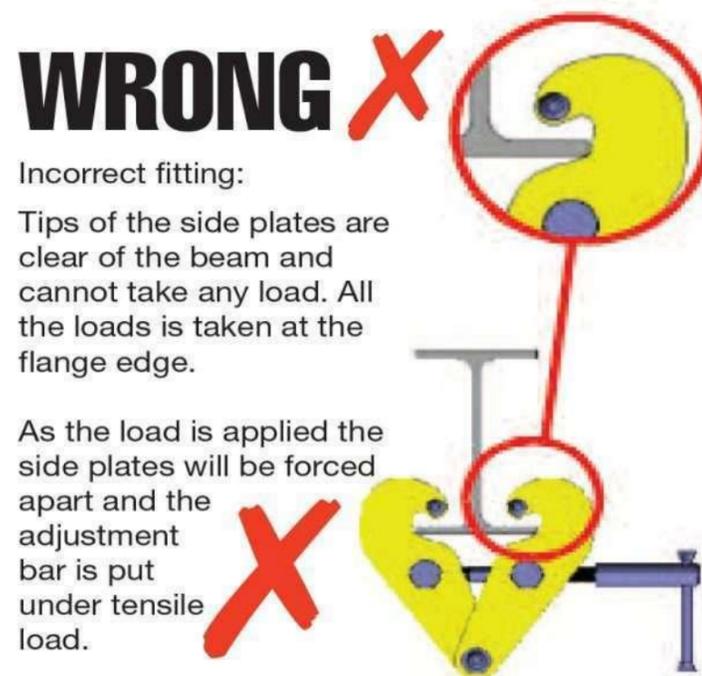
Correct fitting:
The tips of the side plates are touching the beam flange. The load is transmitted into the beam and away from the edge.



WRONG

Incorrect fitting:
Tips of the side plates are clear of the beam and cannot take any load. All the loads is taken at the flange edge.

As the load is applied the side plates will be forced apart and the adjustment bar is put under tensile load.





Camlok[®]

Lifting Clamps

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