

LB



WIRE ROPES

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Camlok®

Lifting Clamps



Made in Britain - Safely used throughout the world

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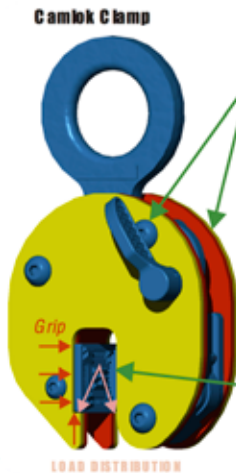
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WHY A CAMLOK: The Advantages Explained

The 92 Series of plate clamps can be used on all hot rolled structural steel plates and sections up to a surface hardness of 300 Brinell. They can be used to lift plate from the horizontal to vertical position and vice versa through 180 degrees. This range is fitted with a hold open and lock closed device, to initiate the self-actuating force a spring is incorporated into the clamp to give an initial bite on the material. If the plate should start to slip during lifting the cam shape of the jaw turns with the material and increases the gripping force.

Bolted Design

The bolted design of the 92 Series clamp means that there can be no weld defects such as micro fractures, inclusions etc. The design allows for easy maintenance and repair of parts without specialised tools.



Load Distribution (Round Pad)

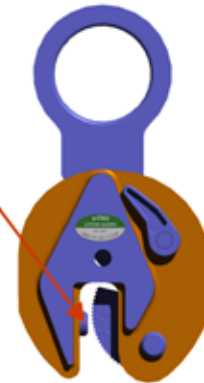
The round pad is fitted into a circular housing in the clamp and held in place by a bolt. The force of the load is focussed on a small area at the base of the housing.



Load Distribution (Camlok Pad)

The force of the load on the Camlok Clamp is distributed through the pad directly to the clamp housing. This means there is no load stress on the pad bolts and eliminates the possibility of pad bolt failure during lifting.

Competitor & Chinese Copy Clamp

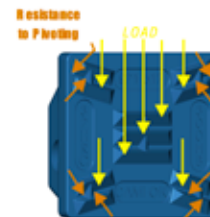


The Camlok Pad

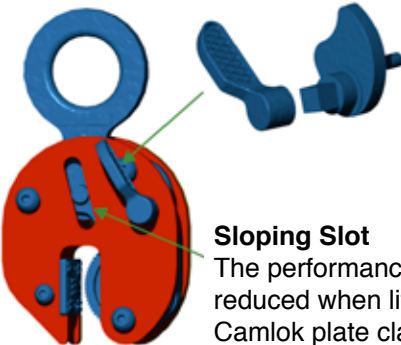
The wide spacing and layout of the teeth on the Camlok square pad help stop the plate and clamp pivoting during lifting, this protects the straight teeth on the moving jaw. All the teeth on the square pad can be considered to lift the load therefore maximising efficiency. The teeth can be buttressed to aid penetration and strength.

Round Pads

On round pads the gripping force must push all the teeth into the material however only the top and bottom quarter of the pad can be considered to effectively lift the load, this reduces the efficiency of the pad. There is no resistance to pivoting and the straight teeth on the jaw suffer any rotational stress and wear. The total profile must be symmetrical so can not be buttressed to aid strength and penetration. Round pads have the advantage of being cheap to produce.



CAMLOK CLAMP



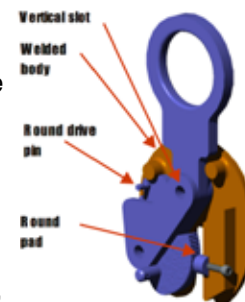
Cam Handle

The cam handle has been ergonomically designed with a wide flat surface to allow ease of operation whilst wearing protective gloves. The cam handle connects to the cam via a robust square drive.

Sloping Slot

The performance of other clamps with vertical slots is reduced when lifting from the horizontal. Camlok plate clamps are designed with a sloping slot, which increases the grip on the load when the clamp is in the horizontal position.

Competitor & Chinese Copy Clamp



Quality

Camlok Clamps are designed and manufactured in Great Britain in accordance with BS EN ISO9001:2000 and comply to AS4991-2004.

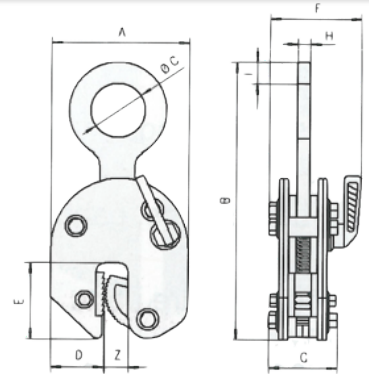
Camlok is credited by BSI and is a member of the Lifting Equipment Engineers Association (LEEAA).

The 92 series of Camlok Plate Clamps are 100% tested to 2x Working Load Limit.

92 Series Vertical Plate Clamp



This light weight clamp can be used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°. The jaw can be opened and closed with the locking lever (except for the 92-500 which uses a positive spring-loaded cam). Lift plate with surface hardness level below HRC 30 / Brinell 300.

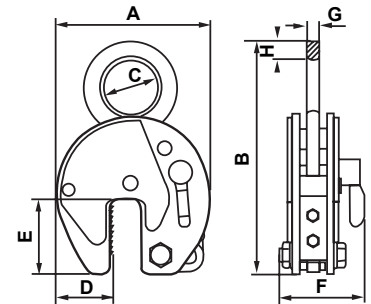


| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | Weight (kg) |
|--------|--------------------------|-------------------|-----------------|-----|----|----|----|-----|----|----|-------------|
| | | | A | B | C | D | E | F | G | H | |
| 92500 | 50 - 500 | 0 - 16 | 99 | 195 | 29 | 33 | 47 | 50 | 48 | 11 | 1.5 |
| 921500 | 150 - 1500 | 0 - 20 | 126 | 225 | 50 | 49 | 70 | 82 | 55 | 12 | 3.0 |
| 922000 | 200 - 2000 | 0 - 32 | 192 | 312 | 80 | 75 | 96 | 100 | 81 | 20 | 8 |
| 923000 | 300 - 3000 | 0 - 32 | 192 | 312 | 80 | 75 | 96 | 100 | 81 | 30 | 10 |

CZ Heavy Duty Vertical Plate Clamp



This heavy duty clamp with welded body can be used for transporting sheet metal and steel plates in the vertical position, as well as lifting and rotating through 180°. The jaw can be opened and closed with the locking lever. The safety lock over rides the spring-loaded cam, preventing the clamp from opening even when there is no load. Lift plate with surface hardness level below HRC 30 / Brinell 300.

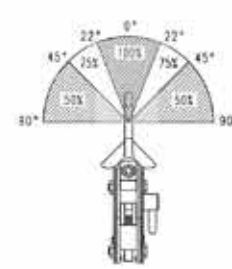
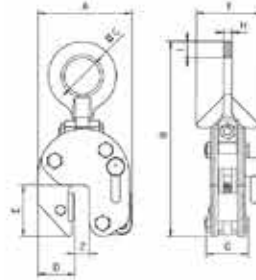


| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | Weight (kg) |
|-------|--------------------------|-------------------|-----------------|-----|-----|-----|-----|-----|----|----|-------------|
| | | | A | B | C | D | E | F | G | H | |
| CZ1L | 100 - 1000 | 20 - 40 | 161 | 260 | 51 | 48 | 70 | 83 | 20 | 19 | 5 |
| CZ2L | 200 - 2000 | 30 - 60 | 228 | 330 | 67 | 68 | 93 | 110 | 20 | 20 | 13 |
| CZ3L | 300 - 3000 | 30 - 60 | 228 | 390 | 80 | 68 | 93 | 110 | 20 | 30 | 15 |
| CZ4 | 480 - 4000 | 0 - 32 | 197 | 371 | 80 | 68 | 93 | 129 | 20 | 30 | 12 |
| CZ4L | 480 - 4000 | 30 - 60 | 228 | 390 | 80 | 68 | 93 | 129 | 20 | 30 | 18 |
| CZ6 | 720 - 6000 | 0 - 50 | 293 | 484 | 89 | 95 | 143 | 129 | 25 | 35 | 21 |
| CZ6L | 720 - 6000 | 50 - 100 | 362 | 524 | 89 | 95 | 143 | 129 | 25 | 35 | 28 |
| CZ8 | 960 - 8000 | 0 - 50 | 293 | 492 | 89 | 95 | 143 | 129 | 25 | 42 | 26 |
| CZ8L | 960 - 8000 | 50 - 100 | 362 | 524 | 89 | 114 | 143 | 129 | 25 | 42 | 32 |
| CZ10 | 1500 - 10000 | 0 - 50 | 293 | 545 | 110 | 95 | 143 | 139 | 25 | 45 | 30 |
| CZ10L | 1500 - 10000 | 50 - 100 | 362 | 545 | 110 | 114 | 143 | 139 | 25 | 45 | 37 |
| CZ12 | 1800 - 12000 | 0 - 50 | 360 | 613 | 130 | 125 | 162 | 154 | 30 | 55 | 54 |
| CZ12L | 1800 - 12000 | 50 - 100 | 460 | 678 | 130 | 175 | 162 | 154 | 30 | 55 | 63 |
| CZ15 | 3000 - 15000 | 0 - 50 | 360 | 613 | 130 | 125 | 162 | 204 | 45 | 55 | 75 |
| CZ15L | 3000 - 15000 | 50 - 100 | 460 | 678 | 130 | 175 | 162 | 204 | 45 | 55 | 88 |
| CZ20 | 4000 - 20000 | 0 - 65 | 462 | 755 | 130 | 165 | 210 | 235 | 45 | 65 | 123 |
| CZ20L | 4000 - 20000 | 65 - 130 | 560 | 805 | 130 | 195 | 210 | 235 | 45 | 65 | 136 |
| CZ30 | 6000 - 30000 | 0 - 65 | 462 | 732 | 60 | 165 | 210 | 295 | 65 | - | 195 |
| CZ30L | 6000 - 30000 | 65 - 130 | 560 | 797 | 60 | 195 | 210 | 295 | 65 | - | 295 |

CY Hinged Vertical Plate Clamp



The CY plate clamps with hinged hook rings can be used for safe handling of plate at various angles. It can lift plate from the horizontal and put down in the vertical. The hinged hook ring ensures adequate gripping pressure in every position, but the load capacity is reduced as seen in 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, thus eliminating the need for a spreader beam. Lift plate with surface hardness level below HRC 30 / Brinell 300.

| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | Weight (kg) |
|-------|--------------------------|-------------------|-----------------|-----|----|----|----|-----|----|----|----|-------------|
| | | | A | B | C | D | E | F | G | H | I | |
| CY1 | 200 - 1000 | 0 - 20 | 126 | 270 | 50 | 49 | 70 | 95 | 63 | 12 | 23 | 4.6 |
| CY2 | 400 - 2000 | 0 - 20 | 192 | 382 | 80 | 75 | 96 | 132 | 92 | 20 | 30 | 14 |
| CY3 | 600 - 3000 | 0 - 32 | 192 | 382 | 80 | 75 | 96 | 132 | 92 | 20 | 30 | 14 |

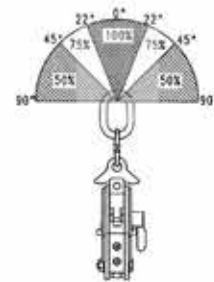
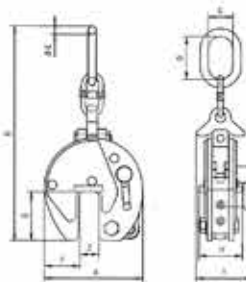
CX Hinged Vertical Plate Clamp



The CX plate clamp 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 180°.

Lift plate with surface hardness level below HRC 30 / Brinell 300.



| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | Weight (kg) |
|----------|--------------------------|-------------------|-----------------|-----|-----|-----|------|-----|-----|-----|-----|-------------|
| | | | A | B | C | D | E | F | G | H | I | |
| CX1500 | 225 - 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 |

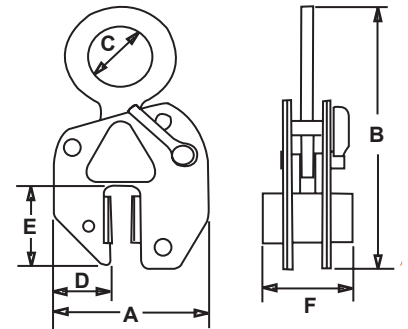
LJ Non-Marking Vertical Plate Clamp



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

These clamps come with leather lined pads and jaws, however there is also the option of having rubber pads fitted for use with polished materials.

The surface of the plate must be free of oil, grease or any other liquid to ensure safe transport.



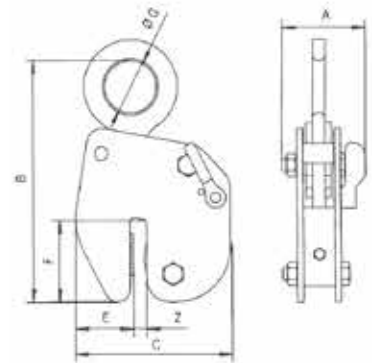
| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | Weight (kg) |
|--------|--------------------------|-------------------|-----------------|-----|----|----|-----|------|-----|----|----|-------------|
| | | | A | B | C | D | E | F | G | H | I | |
| LJ500 | 25 - 500 | 0 - 10 | 127 | 200 | 55 | 52 | 69 | 86.5 | 76 | 13 | 20 | 3.5 |
| LJ1500 | 180 - 1500 | 0 - 20 | 215 | 345 | 85 | 75 | 135 | 131 | 118 | 20 | 23 | 12 |

HG High Grip Vertical Plate Clamp



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

The clamps can be opened and closed with a locking lever. The safety lock overrides the spring-loaded cam, preventing the clamps from disengaging from the transported material even where there is no load.



| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | Weight (kg) |
|--------|--------------------------|-------------------|-----------------|-----|-----|----|-----|------|----|-------------|
| | | | A | B | C | D | E | F | G | |
| HG500 | 25 - 500 | 0 - 10 | 42 | 230 | 148 | 10 | 55 | 79.0 | 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 |
| HG3000 | 300 - 3000 | 0 - 20 | 110 | 416 | 305 | 20 | 102 | 159 | 80 | 27 |
| HG4000 | 400 - 4000 | 0 - 20 | 120 | 335 | 305 | 20 | 102 | 158 | 80 | 32 |

CG Girder Turning Clamp

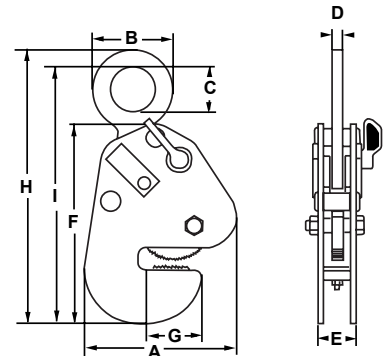


The main purpose of the CG girder turning clamps is for the transportation and turning of steel girders through 90°.

They are suitable for beams, fabrications, channels and RSJ's with surface hardness up to HRC 30 / Brinell 300.

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

The clamps are attached to the horizontal flange of the girder and locked in place by the jaw locking lever.



| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | Weight (kg) |
|-------|--------------------------|-------------------|-----------------|-----|-----|----|-----|-----|-----|-----|-----|-------------|
| | | | A | B | C | D | E | F | G | H | I | |
| CG1 | 100 - 1000 | 0 - 16 | 211 | 90 | 50 | 13 | 43 | 263 | 64 | 350 | 337 | 6 |
| CG2 | 200 - 2000 | 0 - 32 | 290 | 140 | 80 | 20 | 60 | 317 | 100 | 465 | 435 | 14 |
| CG4 | 400 - 4000 | 0 - 32 | 290 | 161 | 89 | 20 | 77 | 326 | 108 | 523 | 482 | 19 |
| CG6 | 600 - 6000 | 12 - 50 | 340 | 171 | 89 | 25 | 103 | 375 | 145 | 551 | 524 | 37 |
| CG8 | 800 - 8000 | 12 - 50 | 340 | 203 | 102 | 25 | 103 | 375 | 145 | 545 | 514 | 40 |

TAG Wide Jaw Universal Clamp

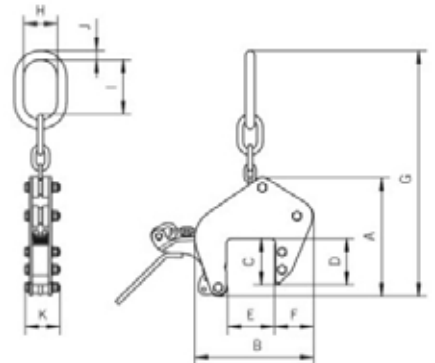


The TAG universal clamps are extremely versatile. They have a large jaw capacity that enables them to be used on a multitude of applications such as loading machine tools, steel constructions, welding and numerous assembly duties. The design means that they do not require additional chain slings and 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 LB Wire Ropes, or can be done by a competent person.

Protective lined jaws can be fitted up to 1250kgs WLL.



| Model | Working Load Limit (kgs) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | | | Weight (kg) |
|--------------|--------------------------|-------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-------------|
| | | | A | B | C | D | E | F | G | H | I | J | K | |
| TAG350/100 | 35 - 350 | 0 - 100 | 264 | 259 | 128 | 100 | 100 | 85 | 550 | 75 | 121 | 20 | 78 | 9 |
| TAG350/200 | 35 - 350 | 90 - 200 | 382 | 434 | 195 | 156 | 200 | 120 | 760 | 75 | 121 | 20 | 90 | 14 |
| TAG750/100 | 75 - 750 | 0 - 100 | 264 | 259 | 128 | 100 | 100 | 85 | 550 | 75 | 121 | 20 | 83 | 9 |
| TAG750/200 | 75 - 750 | 90 - 200 | 382 | 434 | 195 | 156 | 200 | 120 | 760 | 75 | 121 | 20 | 90 | 15 |
| TAG1250/100 | 125 - 1250 | 0 - 100 | 320 | 289 | 128 | 100 | 100 | 85 | 570 | 75 | 121 | 20 | 83 | 15 |
| TAG1250/200 | 125 - 1250 | 90 - 200 | 382 | 434 | 195 | 156 | 200 | 120 | 760 | 75 | 121 | 20 | 90 | 26 |
| TAG2000/100 | 200 - 2000 | 0 - 100 | 328 | 415 | 135 | 115 | 100 | 105 | 571 | 75 | 121 | 20 | 105 | 22 |
| TAG2000/200 | 200 - 2000 | 90 - 200 | 375 | 515 | 195 | 165 | 200 | 160 | 750 | 75 | 121 | 20 | 105 | 30 |
| TAG3000/90 | 360 - 3000 | 5 - 90 | 297 | 290 | 136 | 106 | 90 | 91 | 570 | 82 | 111 | 32 | 137 | 25.5 |
| TAG5000/90 | 600 - 5000 | 5 - 90 | 297 | 290 | 136 | 106 | 90 | 91 | 570 | 82 | 111 | 32 | 147 | 30 |
| TAG10000/100 | 1500 - 10000 | 0 - 100 | 405 | 423 | 160 | 130 | 100 | 160 | 720 | 102 | 144 | 40 | 208 | 70 |
| TAG10000/200 | 1500 - 10000 | 100 - 200 | 440 | 562 | 200 | 175 | 200 | 183 | 840 | 102 | 144 | 40 | 208 | 101 |

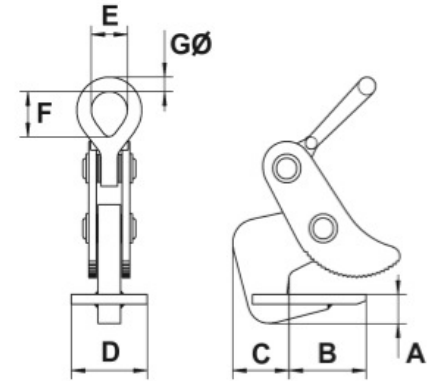
CH Heavy Duty Horizontal Plate Clamp

Used in pairs the CH clamp is designed for loading process machines and to lift and transport sheet steel plate in a horizontal position.

The standard smooth jaw can be replaced with serrated hardened steel teeth by request.

A pair of clamps is designed for use on a 2 legged sling for plate lengths up to 1500mm. It is recommended to use two pairs for larger lengths in conjunction with a spreader beam.

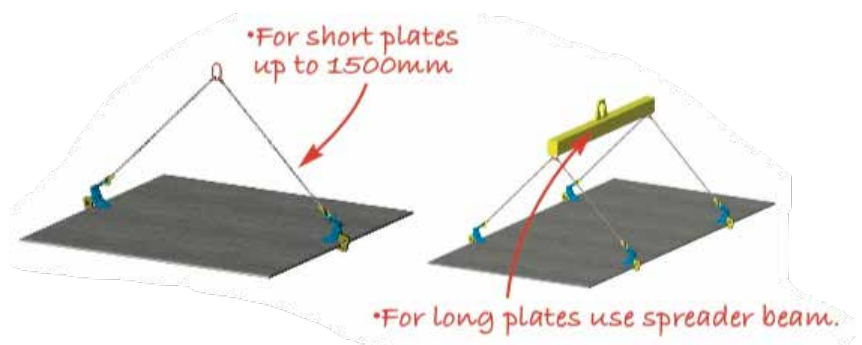
The HH horizontal plate clamps incorporate all of the features of the CH clamps, yet are manufactured from high strength steel giving them exceptionally low tare weights.



| Model | Working Load Limit (tonnes) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | Weight per Pair (kg) |
|--------|-----------------------------|-------------------|-----------------|-----|-----|-----|-----|-----|----|----------------------|
| | | | A | B | C | D | E | F | G | |
| CH1 | 1.0 | 5 - 32 | 15 | 82 | 60 | 100 | 32 | 44 | 13 | 6 |
| CH2 | 2.0 | 5 - 32 | 30 | 82 | 60 | 100 | 50 | 73 | 18 | 11 |
| CH2/L | 2.0 | 20 - 50 | 30 | 82 | 60 | 100 | 50 | 73 | 18 | 12 |
| CH4 | 4.0 | 5 - 50 | 40 | 112 | 80 | 100 | 64 | 92 | 25 | 17 |
| CH4/L | 4.0 | 50 - 100 | 40 | 112 | 80 | 100 | 64 | 92 | 25 | 23 |
| CH6 | 6.0 | 5 - 75 | 55 | 172 | 100 | 130 | 90 | 130 | 35 | 46 |
| CH6/L | 6.0 | 50 - 125 | 55 | 172 | 100 | 130 | 90 | 130 | 35 | 56 |
| CH8 | 8.0 | 5 - 75 | 55 | 172 | 105 | 130 | 90 | 130 | 35 | 53 |
| CH8/L | 8.0 | 50 - 125 | 55 | 172 | 105 | 130 | 90 | 130 | 35 | 60 |
| CH10 | 10.0 | 5 - 100 | 65 | 215 | 120 | 150 | 114 | 130 | 35 | 95 |
| CH10/L | 10.0 | 50 - 150 | 65 | 215 | 120 | 150 | 114 | 130 | 35 | 108 |
| HH8 | 8.0 | 5 - 50 | 55 | 168 | 105 | 130 | 105 | 130 | 90 | 21 |
| HH8/L | 8.0 | 50 - 100 | 55 | 168 | 105 | 130 | 90 | 114 | 35 | 28 |



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



THS Loading Horizontal Plate Clamp

Specifically designed to be used when loading plate horizontally into presses, shears, guillotines and other industrial machines or where the CH clamps are not suitable.

The unique design of the THS allows them to be used individually when loading plate. However, when transporting plate horizontally the THS clamps should be used in pairs.

Other features of this clamp include a spring loaded safety lock that ensures the clamp remains on the plate in the unloaded position prior to lifting.

Maximum plate surface hardness 300 Brinell / 32 Rockwell C.



| Model | WLL Per pair (kg) | Jaw capacity (mm) | Weight per Pair (kg) |
|---------|-------------------|-------------------|----------------------|
| THS750 | 40 - 750 | 0 - 20 | 3 |
| THS1500 | 75 - 1500 | 0 - 35 | 6 |
| THS3000 | 150 - 3000 | 0 - 40 | 12 |
| THS4500 | 225 - 4500 | 0 - 45 | 17 |

THK Thin Sheet Horizontal Plate Clamp

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 acts as an additional safety feature specifically for use with thin sheets which may have a tendency to deflect, sag or flex.

The THK clamps are particularly suited to thin plate with a surface hardness less than 300 Brinell / 32 Rockwell C.



| Model | WLL Per pair (kg) | Jaw capacity (mm) | Weight per Pair (kg) |
|---------|-------------------|-------------------|----------------------|
| THK750 | 40 - 750 | 0 - 20 | 3 |
| THK1500 | 75 - 1500 | 0 - 35 | 6 |
| THK3000 | 150 - 3000 | 0 - 40 | 11 |
| THK4500 | 225 - 4500 | 0 - 45 | 16 |
| THK6000 | 300 - 6000 | 0 - 60 | 23 |
| THK9000 | 450 - 9000 | 0 - 60 | 35 |

CR Single Rail Clamp

The CR rail clamps are designed to lift single rails securely and safely. The clamp is designed to fit most types of rail section sizes currently in use. The clamp has a narrow profile to enable attachment to an individual rail that is stacked side by side with other rails. The clamp is 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.



| Model | Working Load Limit (tonnes) | Number of Rails | Weight (kg) |
|--------|-----------------------------|-----------------|-------------|
| CR1000 | 1.0 | 1 | 13 |
| CR2000 | 2.0 | 1 | 13 |

Above: Typical application shot showing a CR1000 in use with a D85 Pull-lift 'Iron Man'.

Left: Typical application shot showing two CR1000 in use with a lifting beam.



RP Rail Pulling Clamp

The RP rail pulling clamps are designed to be used when positioning rail sections. They have been designed to fit most standard rail currently in use. To pull your rail section you simply place the clamp over the head of the rail at the end and tighten the threaded bar (by hand) until it is clamped onto the rail web.



| Model | Working Load Limit (tonnes) | Number of Rails | Weight (kg) |
|-------|-----------------------------|-----------------|-------------|
| RP1.5 | 1.5 | 1 | 6 |
| RP3.0 | 3.0 | 1 | 8 |
| RP5.0 | 5.0 | 1 | 13 |



MR Multi-Rail Clamp

The MR Multi-rail clamps have been designed to facilitate the fast bulk handling of a SPECIFIC rail section.

Rails are locked onto the clamp by swiveling feet that locate under the rail-head and top clamp body that rotates in a cam action pressing a hard rubber lined beam onto the top of the rail-head.

Two clamps are recommended at centers 50-60% of rail length for rails up to 20m long. For rails longer than 20m, three clamps at centre distance between outer clamps of 65-75% of rail length must be used.

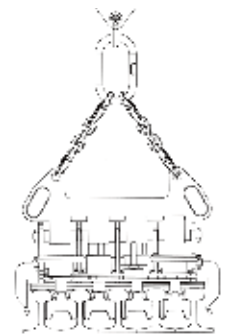
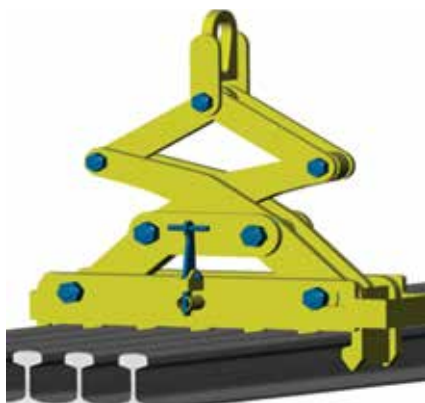


Illustration of MR Multi-rail configuration

| Model | Working Load Limit (tonnes) | Number of Rails | Weight (kg) |
|-------|-----------------------------|-----------------|-------------|
| MR3 | 5.0 | 3 | 84 |
| MR4 | 5.0 | 4 | 108 |
| MR5 | 5.0 | 5 | 132 |
| MR6 | 6.0 | 6 | 156 |
| MR7 | 7.0 | 7 | 180 |
| MR8 | 8.0 | 8 | 204 |
| MR10 | 10.0 | 10 | 252 |
| MR12 | 12.0 | 12 | 300 |

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



MRC Multi-Rail Grab

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 clamps but with the added benefit of having interchangeable, modular designed comb sections. Various comb sections to suit specific rails can be combined with the same scissor mechanism. Alternative comb sections are to be purchased separately.

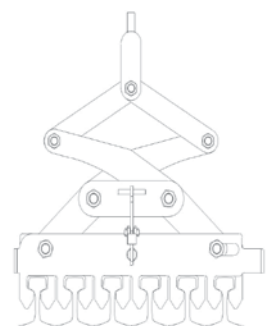


Illustration of MRC Multi-rail configuration

| Model | Working Load Limit (tonnes) | Number of Rails | Weight (kg) |
|-------|-----------------------------|-----------------|-------------|
| MRC4 | 5.0 | 4 | 200 |
| MRC5 | 5.0 | 5 | 230 |
| MRC6 | 6.0 | 6 | 265 |
| MRC7 | 7.0 | 7 | 295 |
| MRC8 | 8.0 | 8 | 330 |

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

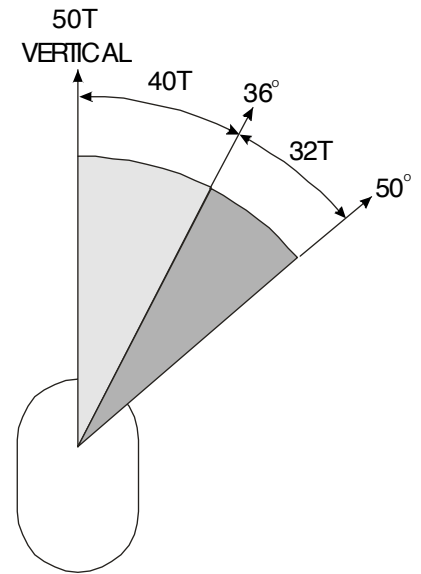


Container Lifting Lugs

These container lifting lugs are supplied in sets of 4 and are available with a lifting capacity up to 56 tonnes. The CLT and CLB lugs serve as flexible lashing points for the transportation of containers.

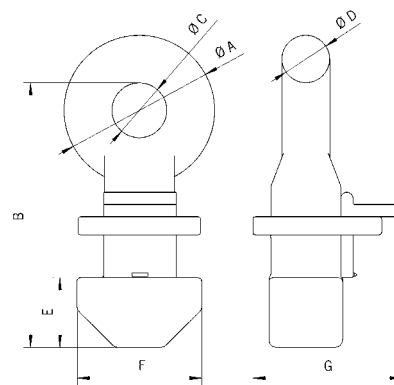
The CLT type is vertically mounted in the hole at the top of the container and is locked into place by simply turning the lug 90°. This configuration allows for transportation via the use of a lifting frame in conjunction with cables, chains or slings.

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

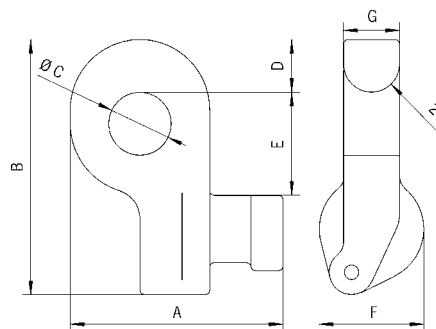


CLB Load Diagram

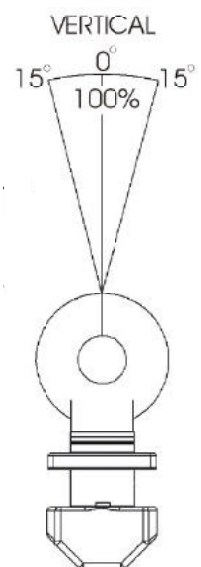
| Model | Working Load Limit per Set of 4 (tonnes) | Type of Lifting | Chain Angle From Vertical | Dimensions (mm) | | | | | | | Weight per Set of 4 (kg) |
|-------|--|-----------------|---------------------------|-----------------|-----|----|----|----|------|-----|--------------------------|
| | | | | A | B | C | D | E | F | G | |
| CLB | 32 | Side | 50° | 152 | 181 | 45 | 37 | 73 | 75.0 | 40 | 18 |
| | 40 | Side | 36° | 152 | 181 | 45 | 37 | 73 | 75.0 | 40 | 18 |
| | 50 | Side | Vertical | 152 | 181 | 45 | 37 | 73 | 75.0 | 40 | 18 |
| CLT | 56 | Top | Vertical | 123 | 217 | 45 | 39 | 57 | 101 | 121 | 28 |



CLT



CLB



CLT Load Diagram



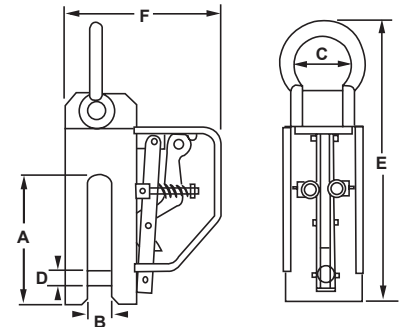
CP Pile Pitching Clamp

Designed specifically for pitching sheet steel piling and have the advantage that can be released from ground level.

Perfect designed clamp for heavy construction.

Rope is fitted for easy release from the ground.

These are not designed to extract driven piles, use the PP series clamps for this application.



| Model | Working Load Limit (tonnes) | Dimensions (mm) | | | | | | Weight (kg) |
|-------|-----------------------------|-----------------|----|----|----|-----|-----|-------------|
| | | A | B | C | D | E | F | |
| CP1.5 | 1.5 | 228 | 20 | 51 | 20 | 425 | 216 | 19 |
| CP3 | 3.0 | 228 | 26 | 64 | 30 | 454 | 225 | 23 |
| CP5 | 5.0 | 228 | 35 | 83 | 30 | 505 | 241 | 33 |

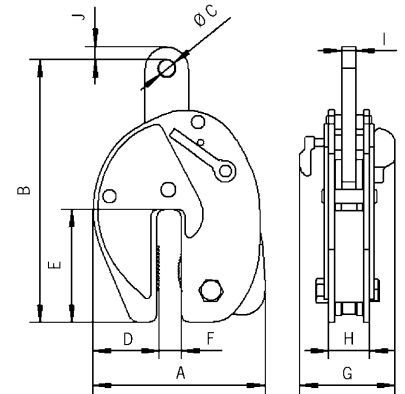


PP Pile Pulling Clamp

The PP pile pulling clamps appear similar to standard plate clamps in construction, yet they have a substantially larger mouth depth.

The compact construction combined with a high working load limit makes it ideal for pulling piling sheets out of the ground. A safety lock prevents opening of the clamp.

Recommended that a load indicator be used when pulling pile to ensure the capacity of the clamp is not exceeded.



| Model | Working Load Limit (tonnes) | Jaw Capacity (mm) | Dimensions (mm) | | | | | | | | | | Weight (kg) |
|-------|-----------------------------|-------------------|-----------------|-----|----|-----|-----|----|-----|----|----|----|-------------|
| | | | A | B | C | D | E | F | G | H | I | J | |
| PP3 | 3.0 | 0 - 16 | 224 | 325 | 20 | 88 | 147 | 25 | 123 | 60 | 20 | 18 | 12 |
| PP8 | 8.0 | 0 - 30 | 294 | 445 | 30 | 109 | 194 | 42 | 146 | 72 | 25 | 26 | 28 |
| PP12 | 12.0 | 0 - 30 | 361 | 486 | 40 | 145 | 190 | 41 | 167 | 90 | 30 | 32 | 52 |

BTG Concrete Pipe Lifting Clamp

The BTG concrete pipe lifting clamps are sold in sets of three.

They are designed for the vertical transportation of concrete pipe sections with a diameter greater than 400mm. The maximum diameter is limited by the headroom and WLL of the chain sling.

The jaw capacity is designed for pipe thickness of 40 - 200mm.

Attachment and removal of the clamps from the pipes is extremely easy due to the simple and straightforward design.

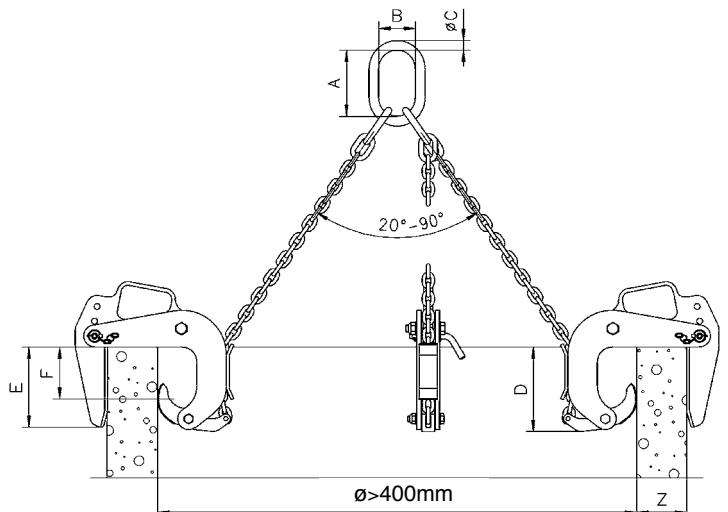
Features:

- solid construction
- type-tested 4 to 1 against breakage
- simple and safe handling
- large jaw capacity
- for heavy duty use
- lightweight design
- service friendly



| Model | Working Load Limit (tonnes)* | Jaw (Z) Capacity (mm) | Mouth Depth (E) (mm) | Pressure Line (F) (mm) | Dimensions (mm) | | | | Weight per Set (kg)* |
|------------|------------------------------|-----------------------|----------------------|------------------------|-----------------|-----|----|-----|----------------------|
| | | | | | A | B | C | D | |
| BTG500/3 | 1.5 | 40 - 120 | 165 | 100 | 135 | 75 | 18 | 180 | 30 |
| BTG1000/3 | 3.0 | 50 - 180 | 245 | 175 | 180 | 100 | 26 | 310 | 54 |
| BTG1000L/3 | 3.0 | 90 - 220 | 245 | 175 | 180 | 100 | 26 | 310 | 72 |

* Per set of three clamps



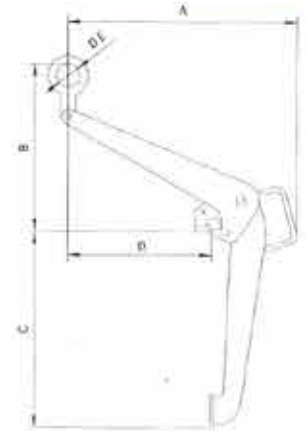


DCV500 Drum Clamp

The DCV500 drum clamp has been designed to lift and transport 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 the pallets.

The centre of gravity of the drum is the lifting point during transportation.



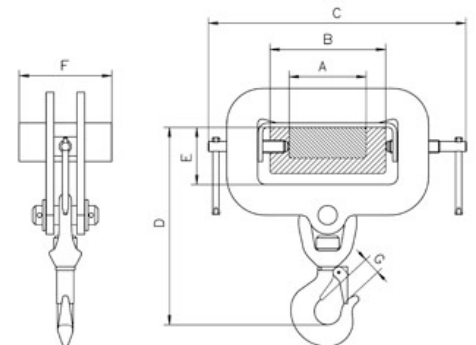
| Model | Working Load Limit (kgs) | Dimensions (mm) | | | | | Weight (kg) |
|--------|--------------------------|-----------------|-----|-----|-----|----|-------------|
| | | A | B | C | D | E | |
| DCV500 | 500.0 | 479 | 350 | 410 | 300 | 50 | 7 |



TZH Adjustable Single Tine Hook

The TZH tine hook is designed to convert your forklift truck into a crane. This is done by simply sliding the TZH onto a single tine.

The tine hook is fastened to the tine by tightening the two threaded bars on either side. The unit is supplied as standard with a swivel safety hook.



| Model | Working Load Limit (kgs) | Dimensions (mm) | | | | | | | | Weight (kg) |
|-------------|--------------------------|-----------------|-----|-----|-----|-----|----|-----|----|-------------|
| | | A | B | C | D | E | F | G | H | |
| TZH1.5/150 | 1500 | 100 | 150 | 310 | 360 | 260 | 74 | 120 | 25 | 8.5 |
| TZH3.0/150 | 3000 | 100 | 150 | 350 | 400 | 270 | 74 | 120 | 28 | 12 |
| TZH5.0/150 | 5000 | 100 | 150 | 350 | 400 | 295 | 74 | 120 | 34 | 16 |
| TZH5.0/200 | 5000 | 100 | 200 | 440 | 490 | 320 | 94 | 180 | 34 | 16 |
| TZH10.0/200 | 10000 | 100 | 200 | 440 | 490 | 420 | 94 | 180 | 45 | 43 |

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