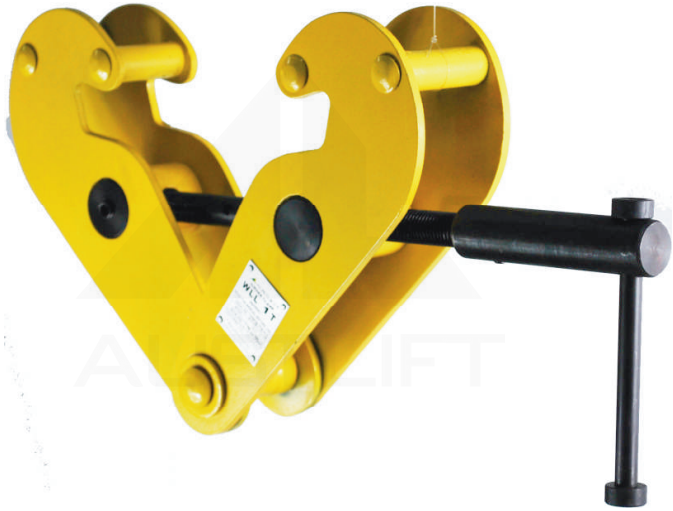
AUSTLIFT®

Lifting Your Business to A Higher Level

USER MANUAL

GIRDER CLAMP GC-1

132005, 132010, 132013, 132015, 132020



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www.austlift.com.au
AUSTRALIAN LIFTING CENTRE PTY LTD

WARNING
New operator must be trained prior to use!

Product Detail

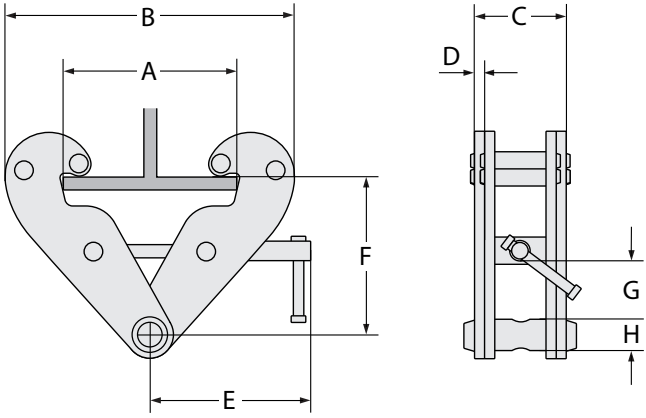
The AUSTLIFT model GC-1 Girder Clamp is used to attach a lifting point to a beam the clamp is a useful maintenance tool that enables a simple quick, portable and secure devise when connected to a beam. Beam clamps can be used to suspend a load as well as used to lift a beam from the ground. The AUSTLIFT model GC-1 Beam Clamp are light weight relative to their lifting capacity.

Austlift CG-1 Girder clamps are designed to lift steel girders and narrow steel plate or clamped on girder to utilize as a lifting point. Also available in black color in all sizes upon request.

- Capacities available from 1 tonne to 10 tonne.
- Can use on material hardness up to 37RC.
- Individually serial numbered comes with test certificate and user manual.
- Complies to AS4991 & AS 1418.
- **Can ONLY be used on vertical lift.**

AS/NZS 4991 | AS/NZS 1418.2 | Certified | Instruction Manual | WLL From 1-10t

Specifications



GIRDER CLAMP DIMENSIONS													
WLL (T)	CODE	BEAM SIZE (mm)	Wt. (kg)	DIMENSIONS (mm)									
				A	B		C	D	E	F		G	H
				max	min	max				min	max		
1	132005	75-220	4.5	260	180	360	64	5	215	102	155	25	22
2	132010	75-220	5.2	260	180	360	74	6	215	102	155	25	22
3	132013	80-320	10	354	235	490	103	8	260	140	225	45	24
5	132015	80-320	11.1	354	235	490	110	10	260	140	225	45	28
10	132020	90-320	20	365	320	505	120	12	280	170	235	50	40

Application

- Building construction sites
- Ship building yards
- Metal production workshops
- Civil engineering construction

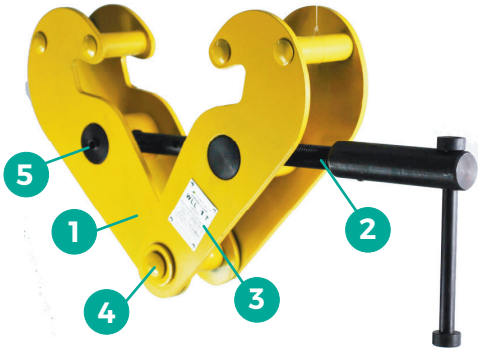
Features

- High strength and durable
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate
- Minimum Safety factor of 5:1

Inspection before use

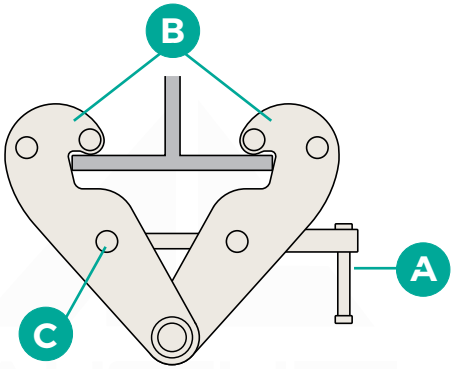
1. Check body for corrosion, cracks and deformation
2. Check thread for wear, corrosion and free movement
3. Check marking is legible and observe the work load limit
4. Check suspension bolt for cracks, corrosion and deformation
5. Check all pivot pins for free movement

Note: Lubricant should be applied to screw thread and all pivot points.



How to use girder clamp

1. Unscrew adjustment bolt (A) by turning the clamps handle anti-clockwise until the jaws are open sufficiently to fit over the bottom flange of the girder.
2. Fit over girder and screw adjustment bolt (A) inward by turning the handle clockwise until the clamp jaws (B) are firmly closed over the bottom flange of the girder.
3. Ensure that the bottom flange of the girder fits into the side plates (if in doubt check before using the clamp).
4. Then with Allen key tighten grub screw (C) located on one of the pivot screw nut.



5. Once the Girder Clamp has been fitted to the beam it is now ready for use.
6. Ensure that the bottom flange of the girder fits into the side plates
7. Connect your lifting device to the suspension point of the Girder Clamp ensuring that the hook of your lifting device sits centred on the bar, also ensure that the hook sits evenly.
8. Check that the Girder Clamp has the correct capacity to support the load to be lifted, always include the weight of the lifting device that is to be suspended.
9. Ensure that the load is only lifted vertically. Never side pull or side load the Girder Clamp.

Care in use

1. Never lift loads in excess of the Work Load Limit of the beam clamp. Always check that the Girder Clamp has the correct capacity to support the load to be lifted, always include the weight of the lifting device that is to be suspended.

2. Ensure the flange width of the beam that the clamp will be attaching to is within the stipulated grip range of the clamp. Do not use girder clamps on girder widths that are not within the clamps stipulated grip range.

3. Ensure that the clamp is securely fitted to the beam and that the centre line of the lifting point is aligned with the centre web of the beam.

4. If two clamps are to be used in a dual lift situation a spreader bar shall will be required. The load must be lifted slowly and care must be taken to ensure that a full load in excess of the WLL of a single clamp is not put on any one clamp. A careful, equal lift should ensure the load is shared equally between both clamps.

5. Ensure that the load is only lifted vertically. Never side pull or side load the Girder Clamp.

6. If a clamp is to be used to suspend a sheave block, chain block or lever block, the additional loading caused by the downward pull must be considered when selecting the WLL.

7. Select clamps which are compatible with the dimensions of the beam and which are in excess of the WLL of the beam.

8. Never stand underneath a suspended load or lift a load over people.

Warning

- Do not lift or transport loads over people
- Never leave a suspended load unattended
- Ensure that the rated capacity of the Girder Trolley or Girder Clamp is never exceeded
- Regularly inspect the Girder Trolley or Girder Clamp
- Never modify the Girder Trolley or Girder Clamp in any way
- Never side load the Girder Trolley or Girder Clamp
- As the Trolley Wheels are not fitted with brakes, never use the Girder Trolley on an incline.
- Always wear the appropriate PPE (Personal Protective Equipment)
- Never use these products if under the influence of alcohol or drugs

WARNING
New operator must be trained prior to use!

Inspection and Maintenance

- Ensure that the trolley is kept clean and moving parts are lubricated.
- Keep the wheels and track surfaces clean and free of contamination.
- Regularly inspect the trolley for any defects.

The Girder Clamp should only require a small amount of lubrication to its pivot points and the screw thread. Use only light grade machine oil and never over lubricate.

Regularly inspect the Girder Clamp for damage, check all pivot points are intact and that the side plates are not bent or cracked. If in any doubt as to the ability of the Girder Clamp to support its rated capacity then remove it from service and return it to Austlift for inspection.

INSPECTION LOG

Product Type : ______________________ Year of Mnf. : ______________________

Serial No. : ______________________ User Name: ______________________

DATE	COMMENTS/DEFECTS	SIGNATURE

AUSTLIFT®

Wholesale of Lifting, Rigging, Load Restraint
& Height Safety products

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