GRIPTON U.K.

An ISO 9001:2015 Certified Company

BEAM CLAMP
OPERATION INSTRUCTION

GRIPTON LIFTING GEAR LLP,U.K

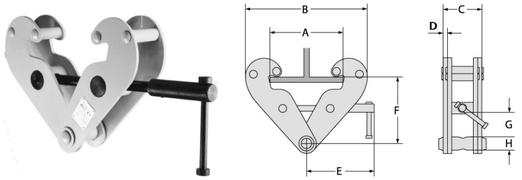
Warning: New operator must be trained prior to use!

Girder clamps are designed to lift steel girders and narrow steel plate or clamped on girder to utilize as a lifting point.

- 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.

PRODUCT DETAIL:

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. Beam Clamp are light weight relative to their lifting capacity.



CODE	WLL	ADJ BEAM SIZE	Wt.	DIMENSIONS A	B		C	D	E	F		G	H
	T	mm	kg	max mm	min mm	max mm	mm	mm	mm	min mm	max mm	mm	mm
132005	1	75-230	4.5	260	180	360	64	5	215	102	155	25	22
132010	2	75-230	5.2	260	180	360	74	6	215	102	155	25	22
132013	3	80-320	10	354	235	490	103	8	260	140	225	45	24
132015	5	90-320	11.1	354	235	490	110	10	260	140	225	45	28
132020	10	90-320	20	365	320	505	120	12	280	170	235	50	40

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APPLICATION:

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

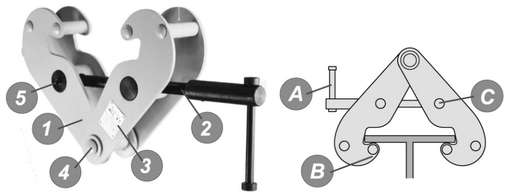
FEATURES:

- High strength and durable.
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate.
- Minimum Safety factor of 4:1

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 CLAMPS

- Unscrew adjustment bolt (A) all the way out until the clamp jaw (B) is wide enough to fit over girder
- Fit over girder and screw adjustment bolt inward so that the clamp jaws sits tight onto girder.
- Then with Allen key tighten grub screw (C) located on one of the pivot screw nut.

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CARE IN USE

1. Never lift loads in excess of the Work Load Limit of the beam clamp.
2. Ensure the beam, monorail or structure that the clamp is attaching to is of sufficient Work Load Limit or strength to handle the intended loading.
3. 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.
4. Ensure that the clamp is securely fitted to the beam and that the centreline of the lifting point is aligned with the centre web of the beam.
5. 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.
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.

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