

User Instructions & Safety Manual



Pipe Lifting Clamp

**Rated Capacities
1.5 through to 18 tonnes**

**Note: Operator must read and fully
understand the operating instructions
before using this product.**

Products supplied comply with the essential health & safety requirements of the Machinery Directive 2006/42/EC, the Supply of Machinery (Safety) Regulations 2008 and the Health & Safety at Work etc Act 1974 section 6.

George Taylor & Company maintain a policy of progressive development of products and reserve the right to alter, without notice, the specifications shown within this manual.



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Safety Information



GENERAL

This manual contains important information for the correct installation, operation and maintenance of Viper Pipe Lifting Clamps. The use of any clamp presents some risk of personal injury or property injury/damage.

This clamp has a high-performance bearing surface finished with a plastic pad, which is easy to replace. Viper Pipe Lifting Clamps are used for horizontal lifting and transporting of pipes.

The clamps can be used in pairs using a two leg sling or spreader beam. Compact and lightweight in design.

ALWAYS

- Ensure the operator is properly trained to use pipe lifting clamps.
- Store and handle clamps correctly.
- Inspect clamps and accessories before use and before placing into storage.
- Ensure the supporting assembly or beam is adequate for the full load that will be imposed and suitable for the application.
- Check the clamp is of the correct profile and size.
- Ensure the clamp is strong enough for the full load that will be imposed and that the clamp will not be damaged by localised overloading.

NEVER

- Use pipe clamps which are unidentified or uncertified for lifting applications.
- Never replace parts without consulting the supplier.
- Throw or drop pipe clamps.
- Use pipe clamps with damaged or distorted slings or beams.
- Force or wedge pipes that are not of suitable size to the pipe clamp into the jaw.

SAFETY STANDARD

The safe use of pipe clamps will largely be governed by the requirements for the lifting appliance with which it is to be used but should take the following matters into account:

CAUTION

Do not use defective pipe clamps, lifting appliances or accessories.

Ensure the structure from which the clamp is to be suspended is undamaged and is adequate for the full load that will be imposed. If any doubt exists consult a Competent Person to confirm suitability.

Ensure the clamp is suitable for the application, correct size and profile for the beam and seats correctly. It must not cause localised overloading.

Ensure the lifting appliance is compatible with the clamp and that hooks or other attachments fit freely into the eye of the clamp.

Ensure a safe distance during lifting operations and never walk or stand under the load.

Ensure the clamp has no defects, cracks or distortions.

Do not attempt to lift loads that have a thickness unsuitable to the size of the clamp, as specified within this manual.

Operator should be a competent person.

User Instructions



WARNING

These warnings if not followed may result in damage or harm to personnel

A free fall or uncontrolled swinging on the two leg sling or spreader beam whereby there is contact with objects can damage the clamps and objects around it. Ensure to maintain a safe distance if lifting operation results in swinging of pipes. If swinging occurs where there is contact with other objects, ensure that clamps and objects are thoroughly inspected for any damage after the operation and before next use.

Pipe Lifting Clamps are not suitable as a form of permanent attachment to objects.

Incorrect use of the Clamp and/or failure to comply with the instructions and warnings herein this manual may lead to damage of equipment or harm to personnel.

STORAGE & HANDLING

Never return damaged clamps to storage. They should be dry, clean and protected from corrosion.

TEMPERATURE

The operating and storage temperatures for Viper Pipe Lifting Clamps are between -20°C and +50°C. Using and storing the clamp outside of the approved temperature range can affect the usage and durability of the clamp particularly the plastic pad lining.

OPERATION & INSPECTION

Check that the Working Load Limit of the clamp corresponds to the load to be lifted.

Attach the Pipe Lifting Clamps to lifting equipment by means of a sling or chain in combination with an appropriate shackle or link.

Ensure all attachment devices are approved for use and are of the correct Working Load Limit. Ensure the size of corresponding equipment is correct allowing the clamp to move freely.

Inspect the plastic pad for wear and defects (the pad must be free of contamination, dry and undamaged).

Check the frame and jaw for damage, cracks or deformation (which is indicative of overloading).

Remove grease and drity from the area on the pipe where the Clamp is to be attached.

Place the clamp completely in the pipe until it sits firmly in the back end of the jaw and ensure that the clamp is positioned in such a way as to balance the load when it is being lifted.

Lift steadily to allow effective gripping by the clamp when taking up the load.

Ensure the load is stable before clamps are removed.

Safety Information



INSPECTION & MAINTENANCE

Pipe Lifting Clamps should be cleaned and any moving parts lubricated at appropriate intervals.

Regularly inspect the Pipe Clamp, in the event of the following defects, remove the Pipe Clamp from service and to a Competent Person for thorough examination:

- Wear.
- Damage, Distortion or Cracks.
- Insecure Bolts etc.
- Corrosion.
- Illegible Markings.

If the plastic pads have any damage or distortions from them resulting from misuse, wear, chemical or from use beyond +50°C. The clamp should be took out of service and plastic pads should be replaced.

CAUTION

Always use new tension pins when replacing plastic pad into Clamp.

CAUTION

Only use authorised spare parts should be used when repairing or replacing Viper Pipe Lifting Clamp.

PAD REPLACEMENT

With a pin driver, tap the tension pins from one side of the Clamp completely through the housing.

Remove the plastic pad from the Clamps jaw.

Install new plastic pad into the Clamps jaw.

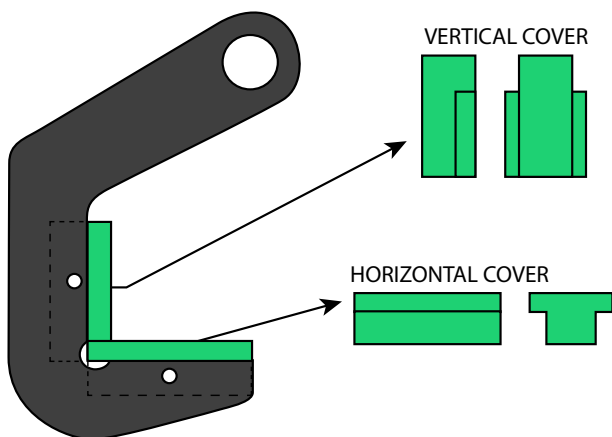
Ensure that the pads vertical and horizontal orientations are correct. Insert vertical first, then insert horizontal pad.

Insert new tension pins carefully with a hammer, avoiding damage to the fixed body.

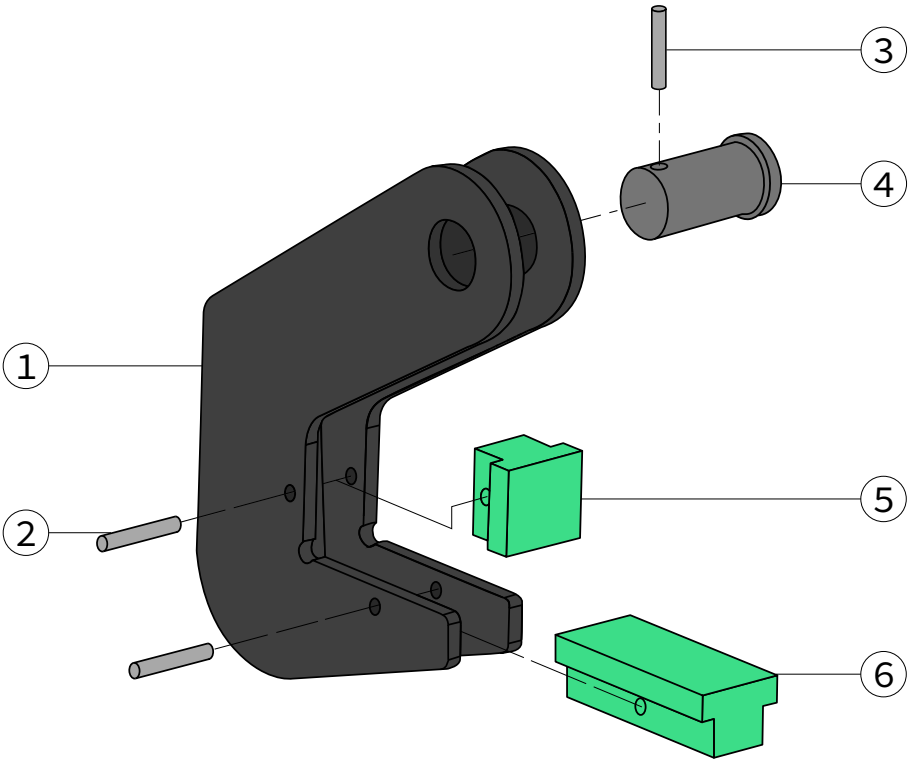
DO NOT ALLOW PERSONS TO OPERATE OR ASSEMBLE THIS UNIT UNTIL THEY HAVE DEVELOPED A THOROUGH UNDERSTANDING OF SAFETY PRECAUTIONS AND HOW IT WORKS.

DO NOT CHANGE, REPAIR OR REPLACE ANY ELEMENTS OF THIS DEVICE.

GT holds no responsibility for the change of mechanical properties which are caused directly or indirectly from maintenance by a third party, without written permission from GT.



Spare Parts Breakdown



Part No.	Part Name	Qty
1.	Fixed Body	1
2.	Tension Pins (x2)	2
3.	Cylindrical Pin	1
4.	Hanger Shaft	1
5.	Vertical Plastic Pad	1
6.	Horizontal Plastic Pad	1



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