


EC DECLARATION OF CONFORMITY
accordance with Machinery Directive 98/37/EEC (Appendix II A)

We,

Yale Industrial Products GmbH
D- 42549 Velbert, Am Lindenkamp 31

hereby declare, that the design, construction and commercialized execution of the below mentioned machine complies with the essential health and safety requirements of the EC Machinery Directive. The validity of this declaration will cease in case of any modification or supplement not being agreed with us previously. Furthermore, validity of this declaration will cease in case that the machine will not be operated correctly and in accordance to the operating instructions and/or not be inspected regularly.

Machine description:	Beam Clamp with Integral Trolley Model CTP Type A Beam flange width 75 - 200 mm Capacity 2000 and 3000 kg Type B Beam flange width 200 - 320 mm Capacity 2000 and 3000 kg
Machine type:	Beam Clamp/Plain Trolley
Serial number:	from manufacturing year 10/96 (serial numbers for the individual capacities/models are registered in the production book with the remark CE-Sign)
Relevant EC Directives:	EC Machinery Directive 98/37/EEC
Transposed harmonised standards, in particular:	ISO 12100, Part 1 (Safety of machines) ISO 12100, Part 2 (Safety of machines) DIN EN 349 (Safety of machines)
Transposed (either complete or in extracts) national standards and technical specifications, in particular:	9. GSGV BGV D8 (Winden, Hub- und Zuggeräte) BGV D6 (Krane) DIN 15018 (Krane) DIN 15070 (Laufräder) DIN 15085 (Laufräder) BGR 258 (Lastaufnahmemittel)
Quality assurance:	DIN EN ISO 9001 (Certificat-Registration No.: 151)
Date / Manufacturer's authorized signature:	15.03.2005 
Identification of the signee:	Dipl.-Ing. Andreas Oelmann Manager Quality Assurance

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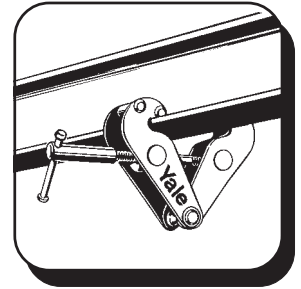
Beam Clamp with Integral Trolley Model CTP

Type A Beam Flange Width 75 - 200 mm

Capacity 2000 kg and 3000 kg

Type B Beam Flange Width 200 - 320 mm

Capacity 2000 kg and 3000 kg



 **SELBY ENGINEERING & LIFTING SAFETY LTD.**
Lifting Equipment and Height Safety Specialists
www.liftingsafety.co.uk sales@liftingsafety.co.uk
Tel: +44 (0) 1977 684 600 Fax: +44 (0) 1977 685 300

Operating Instructions

Yale®

Yale Industrial Products GmbH

Postfach 10 13 24 • D-42513 Velbert, Germany
Am Lindenkamp 31 • D-42549 Velbert, Germany
Tel. 0 2051- 600-0 • Fax 02051-600-127



Yale Beam Clamp with Integral Trolley Model CTP

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1. INTRODUCTION

All users must read these operating instructions carefully prior to the initial operation. These instructions are intended to acquaint the user with the beam clamp with integral trolley and enable him to use it to the full extent of its intended capabilities.

The operating instructions contain important information on how to handle the beam clamp with integral trolley in a safe, correct and economic way. Acting in accordance with these instructions helps to avoid dangers, reduce repair costs and down time and to increase the reliability and lifetime of the trolley clamp. Anyone involved in doing any of the following work with the beam clamp with integral plain trolley must read the operation instructions and act accordingly:

- operation, including preparation, trouble shooting during operation and cleaning
- maintenance, inspection, repair
- transport

Apart from the operating instructions and the accident prevention act valid for the respective country and area where the beam clamp with integral trolley is used, also the commonly accepted regulation for safe and professional work must be adhered to.



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2.5 INSPECTION / MAINTENANCE

- Regular inspections

To ensure that the beam clamp with integral trolley remain in safe working order it is to be subjected to regular inspections by a competent person. Inspections are to be annual unless adverse working conditions dictate shorter periods. The components of the beam clamp with integral trolley are to be checked for completeness and effectiveness. To test the beam clamp with integral trolley a test load of the clamp's rated capacity is required. Repairs may only be carried out by a specialist workshop that uses original Yale spare parts.

Inspections are instigated by the user.

- Maintenance

Ensure that the threaded spindle is well greased and the linkplate joints are well lubricated (see Fig.1).

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Method of operation

By rotating the threaded spindle open the beam clamp with integral trolley far enough to pass over the beam profile. By rotating the threaded spindle in the opposite direction the beam clamp closes to clasp the beam. By further rotating the threaded spindle the correct trolley clearance 'A' can be obtained.

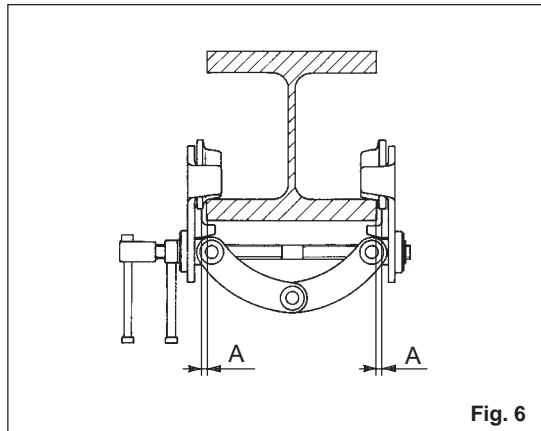


Fig. 6

Capacity	Clearance "A"	Beam width
2000 kg - 3000 kg	1,5 mm - 2,0 mm	min. 75 mm - max. 320 mm

To maintain the correct adjustment the locking lever (see Fig. 1, page 3) is tightened against the side plate. When removing the beam clamp with integral trolley first release the locking lever before rotating the threaded spindle.

The load must be hung in the centre, thinner portion of the load bar. Side pulling is forbidden as this can damage (bend) the side plates, link plates or load bar (see Fig. 5).

Replacing the threaded spindle

- 1) Remove cotter pins and washers (items 10 + 11) and the link plates (item 4).
- 2) By rotating the threaded spindle open beam clamp as far as possible.
- 3) Drive the roll pin out of the adjusting lever and remove the adjusting lever.
- 4) Thread the locking lever off the threaded spindle.
- 5) Rotate the threaded spindle to disassemble the trolley completely.
- 6) Fit new threaded spindle adding locking lever and secure adjusting lever with a new roll pin.
- 7) Fit the link plates, washers and secure with new cotter pins.



Yale Beam Clamp with Integral Trolley Model CTP

1.1 TECHNICAL INFORMATION

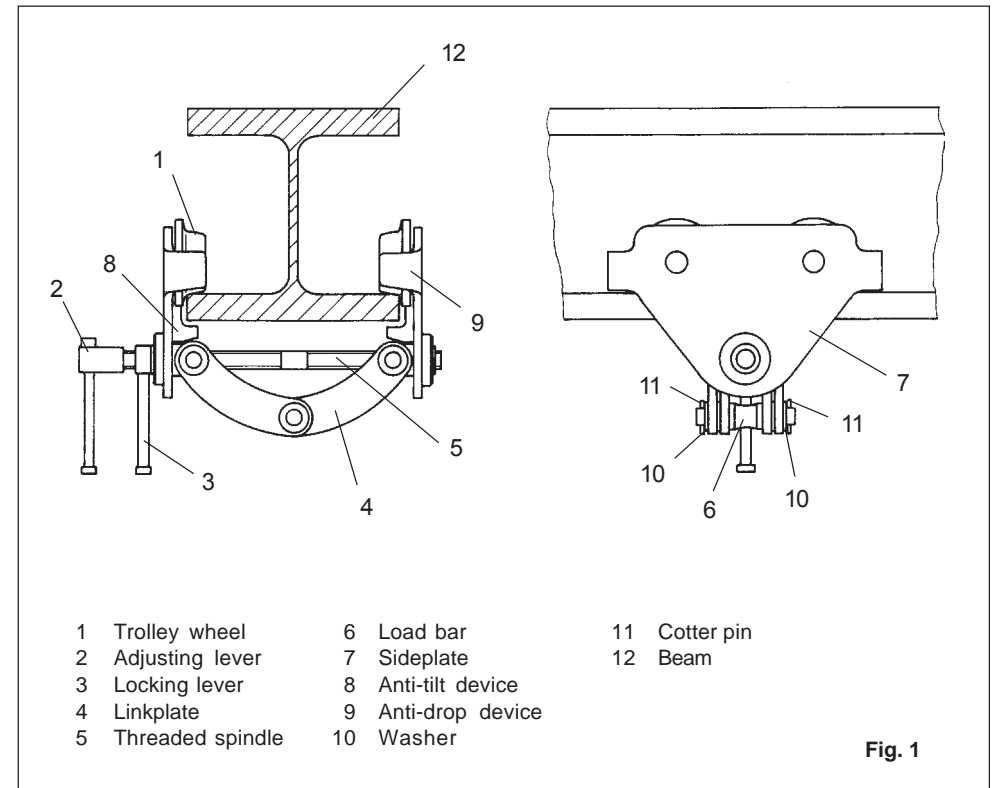


Fig. 1

Model	Capacity [kg]	Flange width b [mm]	Weight [kg]
CTP1 - A	1000	60 - 150	2,5
CTP2 - A	2000	75 - 200	9,9
CTP2 - B	2000	200 - 300	10,3
CTP3 - A	3000	75 - 200	17,5
CTP3 - B	3000	200 - 300	19,5



Yale Beam Clamp with Integral Trolley Model CTP

2. OPERATING INSTRUCTIONS

2.1 CORRECT OPERATION

Maximum capacity

- The Yale beam clamp with integral trolley was designed to provide a quick, versatile and traversable rigging or hoisting point for a hoist or pulley on I-beams or similar profiles. The capacity indicated on the trolley clamp is the maximum safe working load which must not be exceeded.

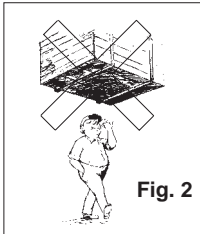


Fig. 2

Danger zones

- Do not lift or transport loads while personnel are in the danger zone.
- Do not allow personnel to pass under a suspended load.
- After lifting or tensioning, a load must not be left unattended for a longer period of time.
- Start moving the load only after it has been attached correctly and all personnel are clear of the danger zone.

Attaching the load

- The operator must ensure that the load is attached in a manner that does not expose himself or other personnel to danger by the beam clamp with integral trolley, hoist, chain(s) or the load.

Temperature range

- The trolley clamp can be operated in ambient temperatures between -10° C and +50° C. Consult the manufacturer in case of extreme working conditions.

Regulations

- The accident prevention act and/or safety regulations of the respective country for using beam clamps with integral trolley must be stay adhered to.

Maintenance / Repair

- In order to ensure correct operation not only the operation instructions, but also the conditions for inspection and main must be complied with. If defects are found stop using the beam clamp with integral trolley immediately.

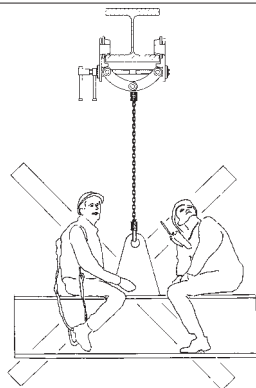


Fig. 3

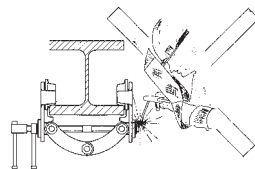


Fig. 4

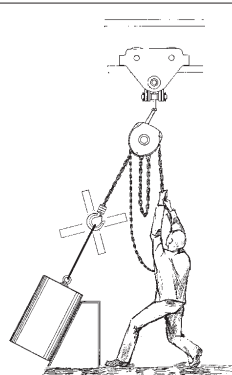


Fig. 5



Yale Beam Clamp with Integral Trolley Model CTP

2.2 INCORRECT OPERATION

- Do not exceed the rated capacity of the beam clamp with integral trolley.
- Do not use the beam clamp with integral trolley for the transportation of people (fig. 3)
- Welding on beam clamp with integral trolley is strictly forbidden (see fig. 4).
- Avoid side pull, i. e. side load on either load bar or side plates (fig.5).
- Lift / pull / tension only with a straight line between rigging point, load bar and load centre.
- Do not throw the hoist down. Always place it properly on the ground.

2.3 INITIAL OPERATION

- Inspection prior to initial operation

Each beam clamp with integral trolley must be inspected prior to initial operation by a competent person and any faults corrected. The inspection is visual and functional and shall establish that the clamp with integral trolley is safe and has not been damaged by Incorrect Transport or storage. Inspections should be made by a representative of the manufacturer or the supplier although the company can assign b own suitably trained personnel. Inspections are instigated by the user.

- Inspection before starting work

Before starting work inspect the beam clamp with integral trolley and all load bearing constructions every time for visual defects. Furthermore check that the beam clamp with integral trolley is attached correctly and firmly. The selection and calculation of suitable carrying beams is the responsibility of the user.

- Inspection of the link plate and load bar

Inspect and visually check for external defects, deformations, superficial cracks, wear or corrosion marks.

- Inspect the adjustment of trolley width

Check that the clearance between the trolley wheel flanges and the beam outer edge is equal on both sides and within the tolerances given. Enlarging the clearances, e.g. to enable the trolley to negotiate smaller curves, is forbidden.

2.4 FUNCTION/OPERATION

Correct Operation

The Yale beam clamp with integral trolley was designed to provide a quick, versatile and traversable rigging or hoisting point for a hoist or pulley on 1-beams or similar profiles. The capacity indicated on the beam clamp with integral trolley is the maximum safe working load which must not be exceeded.

The width of the carrying beam must lie between the values quoted on the nameplate.

The carrying beam must be inspected by a competent person to determine its stability.

The Yale beam clamp with integral trolley is classed as a load suspension device so all local safety regulations for toad suspension devices must be adhered to.