

CTS02-(EX)

Cylinder Trolley with Lifting Hoist (ATEX Optional)

Operation and Maintenance Manual



The Cylinder Trolley is designed for transporting Cylinders. The Cylinder trolley has also been fitted with lifting hoists. The instructions stated in this manual should be adhered to at all times, failure to do so can result in serious injury to the operator or other personnel.

Safety Regulations

- Do NOT use the Cylinder Trolley unless you have read and fully understood this manual.
- The Cylinder Trolley is built for use on level ground. When parked or not in use the Cylinder Trolley should be parked in a safe location. Always park on as flat ground as available.
- This product is to be used by one operator at a time and they MUST be behind the unit at all times.
- Do NOT allow other members of staff to be in front of the unit when in use.
- The Safe Working Load (SWL) for this unit is **150kg** and this limit should not be exceeded in any circumstance. To do so may result in serious injury.
- The Cylinder Trolley should be inspected at regular intervals, decided by the operator's company, for signs of damage or defects.
- Ensure damaged or missing safety signs are replaced. These are available from STS.
- The manual forces related to the use of this Cylinder Trolley are relatively low; any doubts in this should be reported to the STS Technical Support Line.
- If any operator is in any doubt of the correct suitability of the equipment or has any problem understanding the instruction manual then they should contact the STS support line.
- The mounting or installation of additional equipment which affects or enhances the performance of the equipment requires the written permission of the manufacturer.
- The Cylinder Trolley must be inspected at least annually or after any unusual event by a suitably competent person.
- The Cylinder Trolley is delivered fully assembled but should be inspected for transit damage. Any damage should be reported to STS and the equipment should be quarantined and not used.
- Ensure no part of the operator or other personnel are ever put in a position that may cause injury.
- If the unit is the ATEX option ensure earthing chains are securely fitted and are in contact with the ground at all times, when the unit is lifted ensure that the unit is earthed through the lifting chain.

The manufacturers shall not be held liable in case of faults or accidents due to negligence, incapacity, installation by unqualified personnel or improper use.

Operating Instructions

Maximum safe working load – 150kg

The Cylinder Trolley is designed to transport gas cylinders that are 150-240mm in diameter.

- Ensure that the cylinder you intend to load into the unit is of correct size to fit the trolley.
- To load the cylinder into the trolley the operator must open the clamping band by removing the right hand pin on the side of the clamp.
- The trolley should be wheeled towards the cylinder in the vertical orientation. **Fig 1.**
- The operator then slightly tilts the cylinder forward and uses the small front wheels of the trolley to slide the footplate under the cylinder. **Fig 2.**
- The operator then pulls back on the cylinder and trolley using a foot on the axle to pivot the trolley and cylinder until the trolley is resting on its four wheels. **Fig 3.**
- The clamping band can then be hooked around the cylinder and the pin inserted to hold it to the unit. The cylinder is now ready for transport. **Fig 4.** There are two sizes of clamping bands supplied with the CTS02.

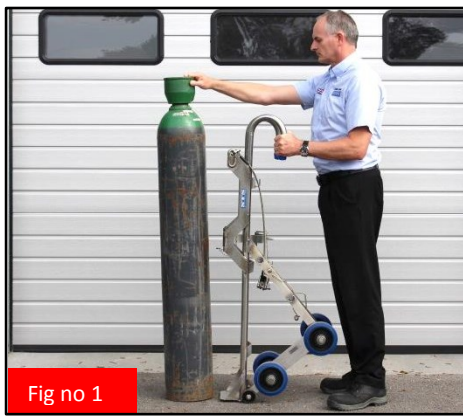


Fig no 1

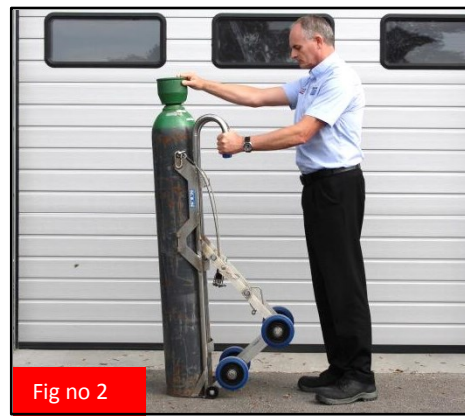


Fig no 2



Fig no 3

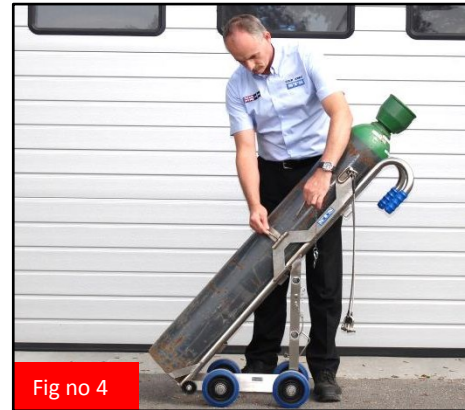


Fig no 4

Placing the Cylinder Back on the Floor

- Remove the clamping band pin to release the cylinder, whilst holding the top of the cylinder with one hand, tip the Cylinder Trolley to a vertical position.
- Tip the cylinder slightly forward so that the footplate of the Cylinder trolley can be removed from the base of the cylinder.

Important: Always remove the cylinder from the operating side of the Cylinder Trolley.

Lifting the Unit with the Hoist

- To lift the cylinder and unit with the hoist the operator first must check that the cylinder is of a suitable size to be lifted. Between 150-240mm in diameter.
- The operator then attaches the two wire cables that are connected to the unit to a D-shackle above the cylinder.
- The crane hook can then be connected to the lifting shackle. Ensure that there are no twists in the lifting harness.

Decommissioning

Final De-commissioning, Disposal

Final de-commissioning or disposal of the Cylinder Trolley must be performed in accordance with the regulations of the country of use, meeting the countries regulations for disposal of hazardous materials. In particular, regulations governing the disposal of batteries, fuels and electronic and electrical systems must be observed.

Maintenance

Any maintenance needs to be carried out by a competent individual. The unit is designed to be maintenance free.

- Before use inspect unit for damage.
- For cleaning it is recommended that if any degreasing agents or high – pressure cleaners are to be used then they should be used with great caution as to avoid the degreasing of any mechanical components.

If you do not understand any part of this manual and/or need assistance, please contact us.

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