

OPERATING &
MAINTENANCE
INSTRUCTIONS
"RAPTOR" PUSH/GEARED
PLAIN TROLLEY



Note: Owner/Operator must read and understand this instruction manual before using the trolley.

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THANK YOU FOR PURCHASING THE **“RAPTOR PLAIN TYPE TROLLEY”**. FOR YOUR SAFETY, CORRECT OPERATION & MAINTENANCE - PLEASE CAREFULLY READ THIS INSTRUCTION MANUAL PRIOR TO OPERATION.

NOTE: All of the information reported herein is based on data available at the moment of printing. The manufacturer reserves the right to modify its own products at any moment without notice and incurring in any sanction.

1. **INTRODUCTION**

The “RAPTOR” Trolley is a versatile lifting accessory that can anchor a hoist or winch to the Load bar and be used to move a load along an overhead “I” beam in a horizontal direction.

DO NOT use the Push Travel trolley on a sloping beam.

2. CORRECT OPERATION / GENERAL WARNINGS

- 1) Retain this Manual for future reference.
- 2) Never exceed the capacity stated on the equipment being attached to the Trolley.
- 3) Do not use the Trolley for lifting or transporting of personnel.
- 4) Do not apply side-pull forces to the trolley.
- 5) The Trolley can be used in ambient temperatures between -10C and +50C.
- 6) Position Trolley so that the equipment can be operated safely and not causing danger to himself or other personnel.
- 7) Do not attach loads while any personnel are under or within the danger zone.
- 8) It is the operator's responsibility to ensure the load is attached to the Trolley in a safe and secure manner before movement of load.
- 9) Never leave a suspended load unattended.
- 10) Never use other devices to exert extra force to tighten the Trolley to the beam.
- 11) Respect lifting equipment, always place items safely/carefully on the ground.
- 12) After inspection – if any defect is found remove item from service immediately.

3. IN SERVICE INSPECTION & MAINTENANCE

INITIAL INSPECTION

Check that the correct Trolley and the capacity of lifting equipment attached to the Trolley are suitable for the job in hand. Prior to using the Trolley for the first time, it must be checked by a competent person. Visually check that the Trolley has been delivered and/or stored in a safe and undamaged condition.

IN-SERVICE INSPECTION – Before operation

Prior to starting work check the Trolley and load bearing constructions, visually for any defects. It is the operator's responsibility to ensure that all load bearing constructions are suitable to carry the Trolley and the load attached to the Trolley

BEAM CLAMP INSPECTION

Visually inspect the Trolley for wear, defects, and deformations or superficial/corrosion marks before use. If operator is unsure of the condition, they should be checked by a trained and competent person.

LOAD BAR INSPECTION

Visually inspect the Trolley to determine that the load bar has been assembled correctly. The Load bar should also be checked for wear, defects, and deformations or superficial/corrosion marks before every use.

4. INSTALLATION

Assemble the required number of spacer washers equally to the inside of the trolley side plates so that the dimension between the Trolley Wheel Flanges is 6mm greater than the runway beam width. Assemble the remaining washers outside the trolley side plate & fit nuts to suspension pin.

THERE MUST ALWAYS BE AT LEAST ONE WASHER ON THE INSIDE & THE OUTSIDE OF EACH TROLLEY SIDE PLATE (see diagram).

Slacken off the suspension pin nuts & spread the side plates so that the wheels can be slipped over the runway beam. Screw the nuts firmly against the washers. Then suspend a light load to the trolley to ensure that all four wheels contact the runway beam. Screw the nuts tightly against the washers, then secure with lockouts.

NUTS MUST BE TIGHT

Geared Trolley when assembled on the small width beam will require suspension pin to be offset, so it will not foul the chain wheel.

Suspend the Maximum Safe Working Load to the trolley, and then run the unit slowly along the full length of the runway beam to ensure satisfactory operation.

Once the unit is fitted – check that the clearance between the beam outer edge and the trolley wheel is equal both sides. Also check that the Beam End Stops have been fitted to the beam.

NEVER increase the clearance to accommodate large curves

5. OPEARTION

Both the geared and push travel trolley have been designed to move along traversing beam using all four running wheels.

The Push Travel Trolley can be operated by gently and safely pushing the load along the beam by hand (once the load has been lifted off the floor),

The Geared Travel Trolley can be operated by using the hand chain provided – by pulling down clockwise the trolley will start to move to the right, by pulling anticlockwise the trolley will travel to the left.

NEVER push or pull a load which is attached to a trolley while it is still situated on the ground.

6. MAINTENANCE/INSPECTION

To maintain continuous and satisfactory operation, a regular inspection procedure must be initiated so that worn or damaged parts can be replaced before they become unsafe. The intervals of inspection must be determined by the individual application and are based upon the type of service to which the Trolley is subjected.

The Trolley should be visually inspected by the operator / competent person daily or before each use.

Annual inspection, repairs and re-certifying of the Beam Clamp should be carried out in accordance to European Safety Regulations – therefore the hoist must be returned to a recognized and competent lifting equipment repair centre.

7. TROUBLE SHOOTING

If the trolley is not moving in the correct manor – i.e. not running smooth check the beam is clear of all obstacles, check that all wheels are running smoothly, check wheels to determine that they have not become damaged, check the trolley is seated correctly on the beam and to the correct clearance

8. EC DECLARATION of CONFORMITY 2006/42/EC

We 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 the case of any modification or supplement not being agreed with the manufacturer beforehand.

Furthermore, validity of this declaration will cease in case that the machine will not be operated correctly and in accordance to the operating instruction manual and/or not being inspected regularly.

PRODUCT DESCRIPTION - Push Travel Trolley
MODEL RANGE - HMT Series
CAPACITY - 500Kgs to 5,000Kgs
IDENTIFICATION - Located on Serial Plate on Machine
And stated on individual EC Declaration of Conformity supplied separate to this booklet

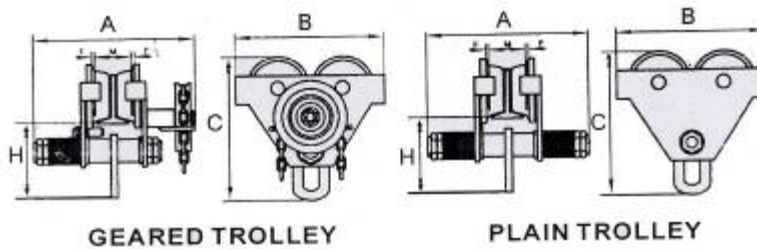
RELEVANT EC
DIRECTIVES - The Machinery Directive 2006/42/EC
1st Edition December 2009

PRODUCT DESCRIPTION - Gear Travel Trolley
MODEL RANGE - HGT Series
CAPACITY - 500Kgs to 5,000Kgs
IDENTIFICATION - Located on Serial Plate on Machine
And stated on individual EC Declaration of Conformity supplied separate to this booklet

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1st Edition December 2009

9. SPECIFICATIONS OF PLAIN TROLLEY

Model	Capacity	I-Beam Width	N.W.	A	B	C	H
HMT05	500	64-140	7	230	212	198.5	113
HMT10	1000	64-152	13.5	254	255	231.5	128
HMT20	2000	76-165	22	294	302	278	152
HMT30	3000	76-203	30	344	344	338	186
HMT50	5000	88-203	55	360	378	393	219
HMT100	10000	125-203	93	403	455	490	275.5



SPECIFICATIONS OF GEARED TROLLEY

Model	Capacity	I-Beam Width	N.W.	A	B	C	H
HGT05	500	64-140	14	230	212	198.5	113
HGT10	1000	64-152	20.5	254	255	231.5	128
HGT20	2000	76-165	29	294	302	278	152
HGT30	3000	76-203	40	344	344	338	186
HGT50	5000	88-203	65	360	378	393	219
HGT100	10000	125-203	103	403	455	490	275.5
HGT200	20000	144-203	245	475	642	622	315

