

Installation Instructions for 81247

Gantry Trolley

1-Ton Capacity

Thank you very much for choosing JEGS! For future reference, please complete the owner's record below:

Model: _____ Purchase Date: _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This machine is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this machine is not modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted distributor to determine if it can or should be performed on the product.

Technical Specifications

Rated Capacity: 2200 lbs.

Hand Chain Length: 10 ft.

Flange Width: 2.5 in. to 5 in.

Dimensions

W: Min. 2.68 in. Max. 5.12 in.

H: Min. 3.94 in. Max. 12.6 in.

a: 9.53 in.

b: 8.43 in.

c: 5.12 in.

d: 1.18 in.

e: 2.76 in.

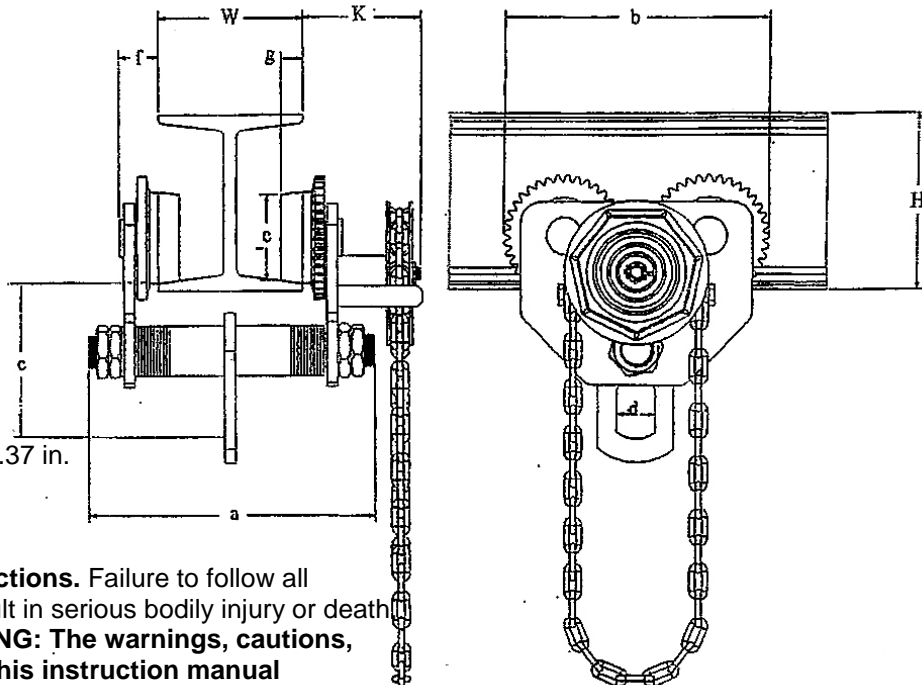
f max: 1.16 in.

g min: 0.89 in.

k: 4.29 in.

Minimum Revolving Radius: 39.37 in.

Weight: 29.07 lbs.



General Safety Regulations

Read and understand all instructions. Failure to follow all instructions listed below may result in serious bodily injury or death and/or property damage. **WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur.** It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

- Keep the work area clean and dry. Damp or wet work areas can result in injury.
- Keep children away from work area. Do not allow children to handle this product.
- Always wear ANSI-approved safety glasses and heavy-duty work gloves during assembly and use. Do not wear loose clothing or jewelry, which can get caught in moving parts.
- Store idle equipment. When not in use, tools and equipment should be stored in a dry location to inhibit rust. Always lock up tools and equipment, and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will do the job better and more safely at the capacity for which it was intended. Do not modify this equipment, and do not use this equipment for a purpose for which it was not intended.
- Check for damaged parts. Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect the operation of this product. Replace damaged or worn parts immediately.



1-800-345-4545 jeps.com

- **Do not overreach.** Keep proper footing and balance at all times to prevent tripping, falling, back injury, etc.
- **DO NOT use the equipment when tired or under the influence of drugs, alcohol, or medication.**
- A moment of inattention while operating this equipment may result in serious personal injury. Industrial applications must follow OSHA requirements.

Specific Operation Warnings

WARNING: NEVER OVERLOAD!! Make sure the operator be familiar with the trolley controls before being authorized to operate the hoist.

WARNING: DO NOT LIFT PERSONNEL. DO NOT LIFT LOADS OVER PEOPLE.

WARNING: DO NOT walk under a suspended load. DO NOT perform any work on a suspended load that requires a worker to be positioned under the suspended load.

- DO NOT use damaged trolley or trolley that is not working properly.
- DO NOT use the hand chain as a sling to wrap around the load.
- Make sure all persons stay clear of the supported load.
- Take up slack carefully – make sure load is balanced and load-holding action is secure before continuing.
- Make sure trolley is properly installed on the beam, and stops for the trolley are correctly positioned and securely installed on the beam.
- Make sure that all nuts, bolts and split pins are sufficiently fastened.
- Make sure nothing will interfere with the full range of the trolley's operation.

Operation Instructions

WARNING: Installation Must be performed by a qualified person. Severe injury, death and/ or property damage can result if the end trucks are not correctly installed.

Prior to mounting the trolley ensure that the trolley beam and its supporting structure are adequate to support the trolley, hoist and its loads. If necessary, consult a professional that is qualified to evaluate the adequacy of the suspension location and its supporting structure.

Installation

Trolley is shipped partly disassembled, consists of (See Figure 1):

- Two side plate assemblies
- One handing plate, one stay, four loose-proof nuts, twenty adjustable washer, one guard that includes one roll spindle, one roll sleeve, two washers, one spring washer, and one nut.



Figure 1

Sliding the trolley over the open end of the runway beam is the simplest way to install this unit. If an open beam end is not available, one side plate can be removed and the unit can be reassembled on the beam. Always verify the trolley is adjusted properly to fit the beam. See the adjustment instructions below. Always run the unit along the entire length of the runway beam to verify proper operation and clearance.

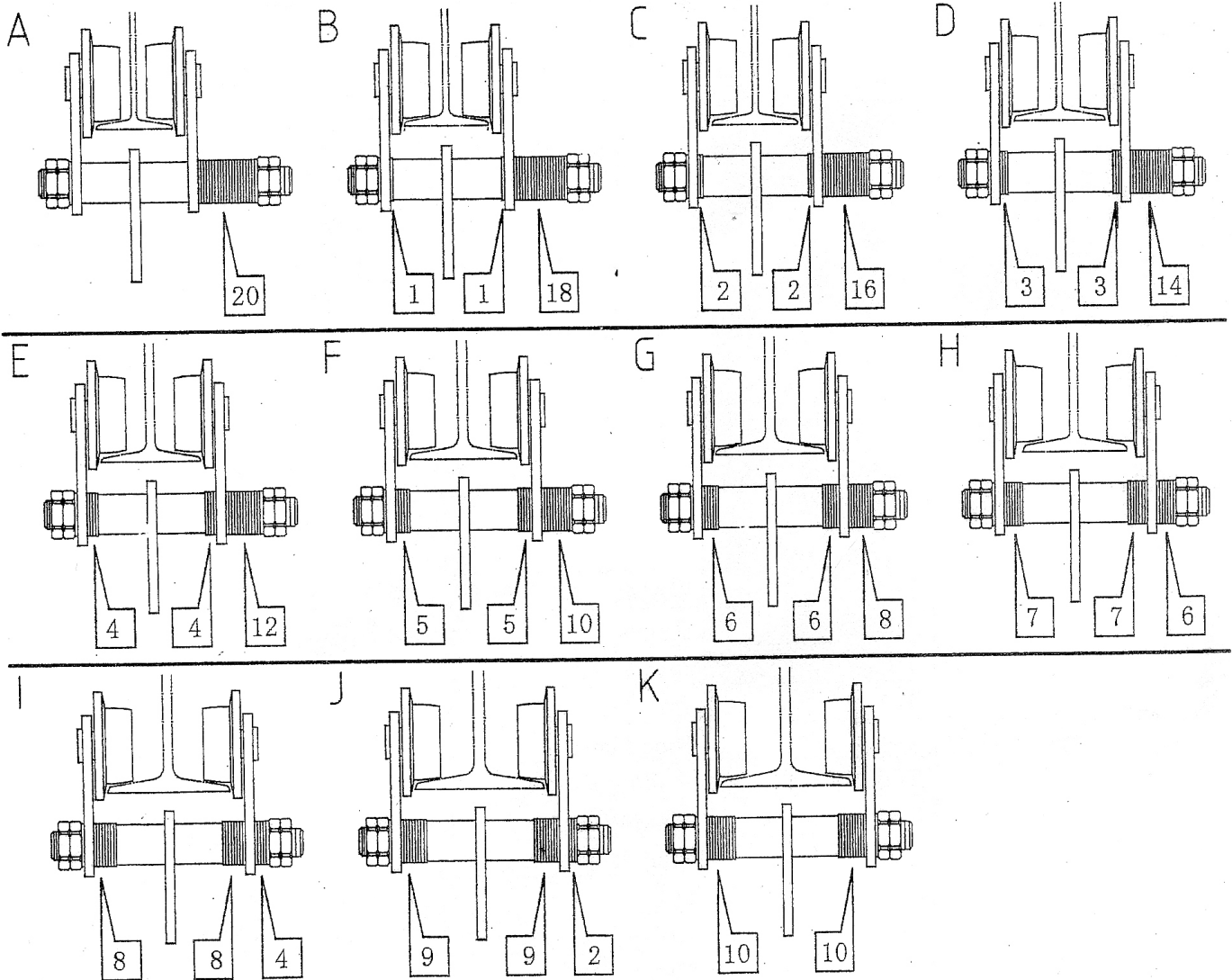
WARNING: Always position the Hanging Plate in the center of side plate assemblies

How to Assemble According to Width of Running Rail

The trolley is adjustable to fit I-beam widths by changing washers as below. The thickness of each washer is 0.12in. (3mm):

Combination of adjustable washers for respective washers of running rail (in.)

A	B	C	D	E	F	G	H	I	J	K
2.68	2.91	3.15	3.46	3.7	3.94	4.17	4.41	4.65	4.88	5.12



Trolley Controls

When facing Trolley Hand Wheel:

Pull down on the right side of the Hand Chain (clockwise rotation) to move the Trolley left.

Pull down on the left side of the Hand Chain (counterclockwise rotation) to move the Trolley right.

CAUTION: Avoid collisions with the end stops or other Trolleys. Damage may result.

Maintenance

The trolley must be inspected periodically for wear and its ability to support load. The inspection frequency will depend on the regularity of use. The trolley should be visually inspected for the following conditions. It should be inspected at least once a month:

- Side plate bending
- Hanging plate wear, cracks and distortion
- Worn bearings
- Worn wheels

If such evidence is present, we recommend ordering replacements.

Lubrication

1. Lubricate the following trolley components with grease.
2. Track Gear Wheel- Clean and re-grease the Track Wheel gears and Hand Wheel output pinion every three months (more frequently for heavier usage or severe conditions). Do not use an excessive amount of grease and avoid getting any grease on the running surfaces of the Track Wheel or the beam.
3. Trolley Wheel Bearings do not need to be lubricated and must be replaced if worn or damaged.
4. Suspension Pins, Bolts, and Shafts – Grease at least twice per year for normal usage (more frequently for heavier usage or severe conditions).

Storage

The storage location should be clean and dry.

Outdoor Installations

For trolley installations that are outdoors, the trolley should be covered and protected from the weather when not in use. The possibility of corrosion on components of the trolley increases for installations where salt air and high humidity are present. The trolley may require more frequent lubrication. Make frequent and regular inspections of the unit's condition and operation.



1-800-345-4545 jeps.com

Diagram & Parts List

No	Description	Qty
T01	Rivets	2
T02	Name Plate	1
T03	Ball Bearing	4
T04	Side Plate A	1
T05	Rolling Bearing	4
T06	Plain Wheel	2
T07	Snap Ring	4
T08	Stay	1
T09	Collar	2
T10	Hanging Plate	1
T11	Adjustable Washer	16-20
T12	Side Washer	2
T13	Nut	4
T14	Hand Wheel	1
T15	Pinion Nut	1
T16	Split Pins	1
T17	Hand Chain	1
T18	Side Plate B	1
T19	Geared Wheel	2
T20	Pinion Shaft	1
T21	Roll Spindle	1
T22	Roll Sleeve	1
T23	Washer	2
T24	Spring Washer	1
T25	Nut	1

