

# PRECISION BEARING TROLLEY

## SERVICE INSTRUCTIONS AND PARTS LIST

### SECTION O/T25, P01

The overhead I-beam trolley is a relatively simple mechanism, requiring comparatively little care and offering little difficulty in maintenance, inspection and lubrication.

The following suggestions will further simplify the effort required to keep the trolley in good working condition, and if regularly followed will contribute measurably to its useful working life.

#### INSTALLATION

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 trolley can be reassembled on the beam. Always verify the trolley is properly adjusted to fit the beam. See the adjustment instructions on the back of this sheet. Always run the unit along the entire length of the runway beam to verify proper operation and clearances.

#### GENERAL MAINTENANCE

Thorough inspection is recommended at regular intervals. The frequency of inspection may best be determined by the user, since application factors such as duty cycles, and ambient conditions, will dictate the maintenance requirements.

When inspections are made, the entire trolley should be examined for visible wear, or for damage such as may be sustained through severe overloading or impact with other objects. Replace all damaged parts as soon as possible.

Check, also, the ease of traverse along the supporting track of a push-pull or hand-gearred trolley, to indicate whether relubrication or parts replacement may be required.

#### LUBRICATING THE TROLLEY

trolleys are built with fully sealed tapered roller bearings. The sealed, tapered roller bearings contain a large initial supply of lubricant that can easily be replenished whenever necessary.

Lubrication is simplified by the availability at all required points, trolley wheels or axles and hand wheel shaft supports, of hydraulic type grease fittings. Use the best available grade of soap base grease recommended for anti-friction bearings, approximating ASTM working penetration 265-295.

#### CAUTION:

**THE EQUIPMENT ILLUSTRATED AND DESCRIBED IN THIS BULLETIN IS DESIGNED FOR MANUAL OPERATION ONLY AND IS NOT TO BE POWER DRIVEN, NOR IS IT SUITABLE FOR TRANSPORTING PERSONS!**

### 25 TON CAPACITY



PLAIN TYPE



GEARED TYPE

#### WARNING:

**DO NOT** transport loads over people.

**DO NOT** operate trolley unless you are physically fit to do so.

**NEVER** load the trolley beyond its rated capacity.

**DO NOT** leave a load suspended for long periods of time, or leave a load unattended.

**DO** make sure there are no object in the way of the moving load.

**DO** fit all open beam-ends with trolley stops.

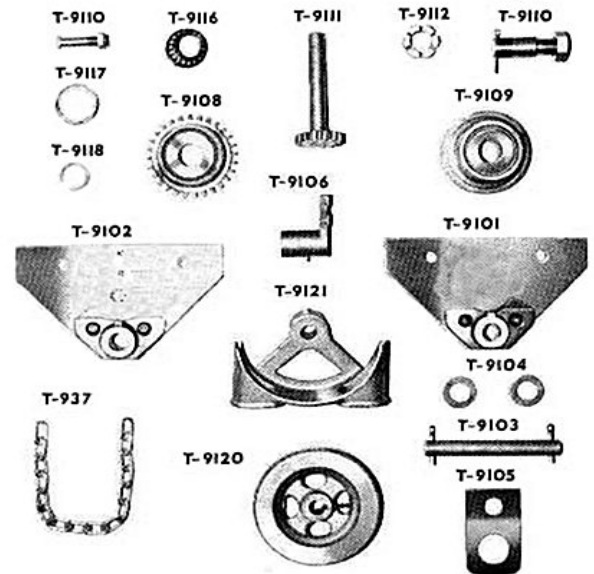
This trolley designed for vertical downward loads only.

**NEVER** allow a load to swing off center.

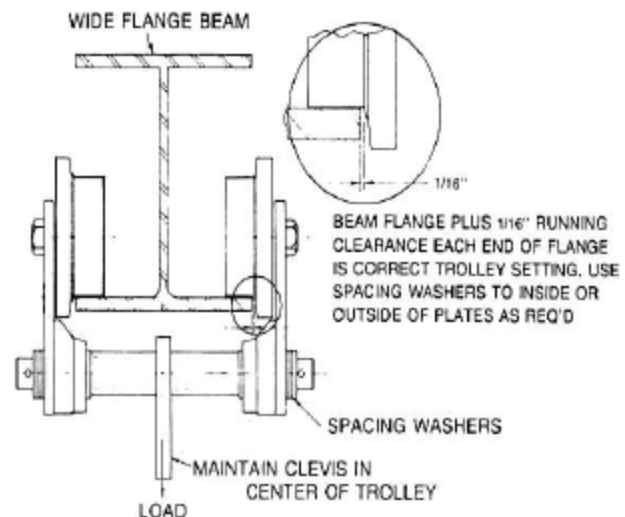
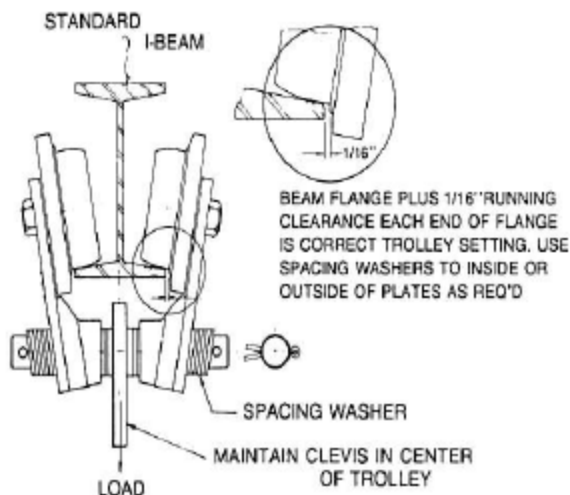
# PARTS LIST

CAPACITY	PART NO.	DESCRIPTION
25 Ton	T-9101	Plain Trolley Plate & Block Assy.
25 Ton	T-9102	Geared Trolley Plate & Block Assy.
25 Ton	T-9103	Equalizing Pin
25 Ton	T-9104	Adjusting Washer
25 Ton	T-9105	Suspension Clevis
25 Ton	T-9106	Handwheel Shaft Support
25 Ton	T-9108	Geared Trolley Wheel
25 Ton	T-9109	Plain Trolley Wheel
25 Ton	T-9110	Axle and Nut
25 Ton	T-9111	Pinion Gear and Shaft (Geared)
25 Ton	T-9112	Adjustable Bearing Nut
25 Ton	T-9116	Wheel Bearing Cone
25 Ton	T-9117	Wheel Bearing Cup
25 Ton	T-9118	Wheel Spacer
25 Ton	T-9120	Hand Wheel (Geared Units)
25 Ton	T-9121	Hand Wheel Swinging Guard
25 Ton	C-937	Hand Chain

**Note: Parts illustrated are for standard units only. Always specify Serial Number and Capacity when ordering parts.**



## INSTALLATION ADJUSTMENT INSTRUCTIONS



DO NOT operate a canted side trolley on a flat flange beam  
DO NOT operate a straight side trolley on a tapered beam  
DO NOT side pull, keep the load centered under the beam  
DO make sure the trolley is adjusted to fit the beam  
DO make certain the trolley is in proper working condition