



IMPORTANT - READ FIRST

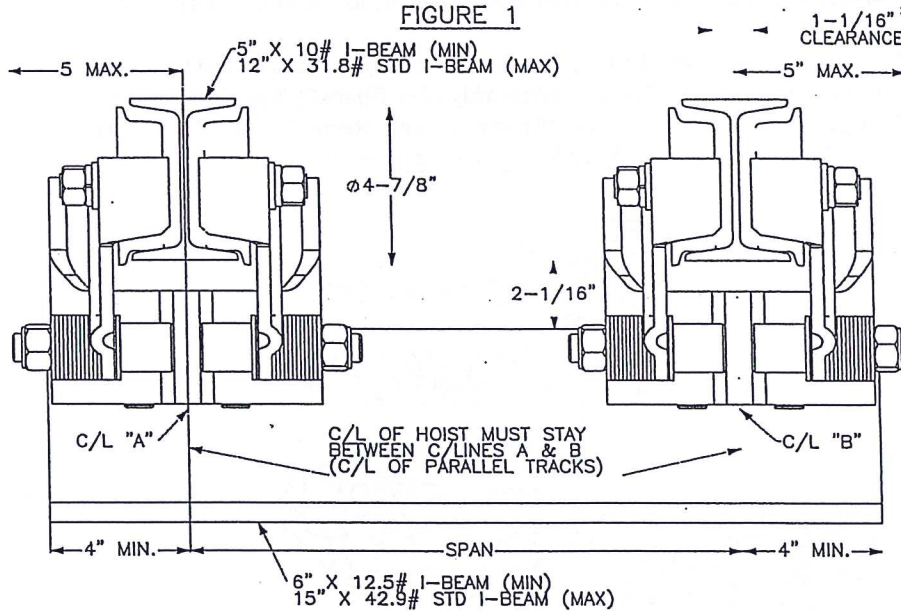
**WARNING: Do not load beyond rated capacity
Do not use for human transport**

Installation Instructions for Bridge Crane Kit 42900

All necessary parts are included in this kit for the construction of your Bridge Crane unit except for the span-beam, parallel track and stops.

Caution should be exercised to make certain each parallel track will withstand the capacities you will carry, plus the added weight of the span-beam, bridge unit, hoist and other accessories. A minimum safety factor of 5:1 should be used in determining if the rails will be able to withstand capacity requirements. If there is any doubt, a Structural Engineer should be consulted.

FIGURE 1



* NOTE: This dimension is for 5" x 10# standard I-beam only. On larger size beams, it is increased by the difference in flange width. Refer to installation instructions for hoist trolleys packaged with individual boxed trolleys.

The span-beam should be at least 8-inches longer than the span from centerline to centerline of the parallel tracks. As a safety measure, each end of the span-beam must have a rigid stop installed to prevent run-off of the hoist assembly.

These Bridge Crane Kits are neither designed nor intended to be used for support or transport of people, or for transporting loads over people. Do not use beam sizes smaller than recommended. An undersized beam may result in inadequate beam strength or unsafe clamping of end trucks to the span-beam.

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The following chart is to be used in determining the proper size span-beam to meet your overall capacity and span requirements.

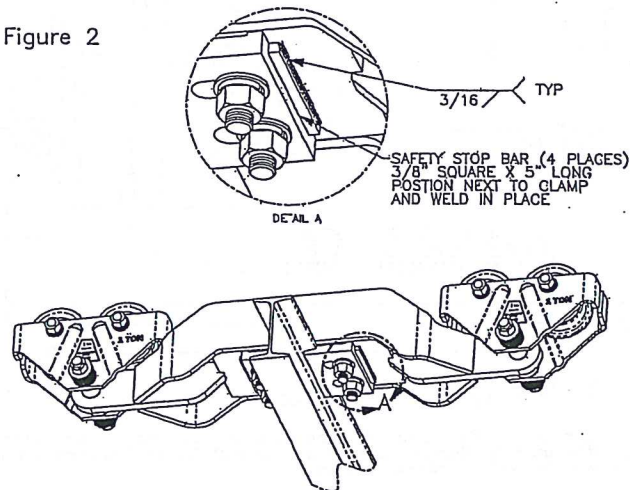
Capacity (Lbs.)	10 ft. Span	12.5 ft. Span	15 ft. Span	17.5 ft. Span	20 ft. Span	22.5 ft. Span	25 ft. Span	27.5 ft. Span	30 ft. Span
	Beam Size	Beam Size	Beam Size	Beam Size	Beam Size	Beam Size	Beam Size	Beam Size	Beam Size
500	6" x 12.5#	6" x 12.5#	6" x 12.5#	6" x 12.5#	6" x 12.5#	6" x 12.5#	7" x 15.3#	7" x 15.3#	7" x 20.0#
1000	6" x 12.5#	7" x 15.3#	7" x 15.3#	7" x 15.3#	7" x 20.0#	8" x 18.4#	8" x 23.0#	10" x 25.4#	10" x 25.4#
2000	7" x 15.3#	8" x 18.4#	8" x 23.0#	10" x 25.4#	10" x 25.4#	10" x 35.0#	12" x 31.8#	12" x 31.8#	12" x 35.0#
3000	8" x 23.0#	10" x 25.4#	10" x 35.0#	12" x 31.8#	12" x 35.0#	15" x 42.9#	15" x 42.9#	15" x 42.9#	15" x 42.9#
4000	10" x 25.4#	10" x 35.0#	12" x 31.8#	15" x 42.9#	15" x 42.9#	15" x 42.9#	15" x 42.9#	-	-

4. Loads are based on steel beams ASTM-A7 or equal. Weights are per foot of beam.

Before your Bridge Crane Assembly is put into service, make certain all bolts and nuts are securely fastened. The 7/8 inch "Span-Beam Clamp" nut and bolt assemblies (8 pieces) must be tightened to 180 to 210 foot pounds torque. The installation and torque requirements for the individual Hoist Trolley Assemblies are included in each hoist trolley package. The 3/4 inch trolley wheel axle bolt must be torqued to 100 to 130 foot pounds and the 7/8-14 inch hanger shaft assembly nuts must be torqued to 180 to 210 foot pounds.

Four "Safety Stop Bars" (3/8 inch square by 5 inches long) are included with your kit, and must be welded in place next to the span-beam clamps on each End Truck Assembly. (See Figure 2) "Span Beam" should be stenciled or painted in large letters indicating your overall beam capacity. Recheck your hoist or chain fall capacity to make certain it is equal to the capacity marked on your span-beam.

Figure 2



MAINTENANCE AND INSPECTION INSTRUCTIONS

Every six months or less, dependent upon usage, the following procedures should be initiated:

- I. Visual Inspection of Complete Assembly, check for:
 - A. Loose nuts or bolts
 - B. Trolley wheel wear
 - C. Hanger shaft damage
 - D. Loose or damaged hold down bolts
 - E. Loose or damaged I-Beam safety stops
 - F. Damage to yoke assembly (i.e. bent frames, cracked welds, etc.)
- II. Replace All Damaged Or Worn Parts

**NOTE: DO NOT LOAD BEYOND RATED CAPACITY
DO NOT USE FOR HUMAN TRANSPORT**