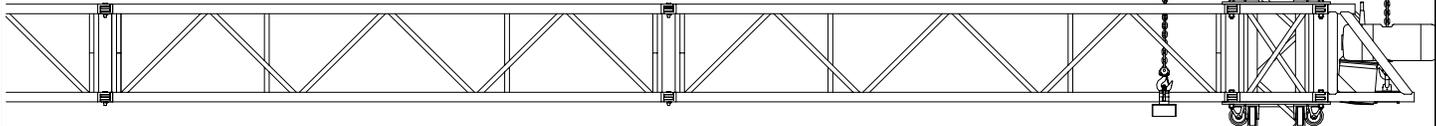


12" TOWER SYSTEM



The 12" square ground support tower. A system manufactured with the purpose of providing a lifting medium for a variety of Thomas trusses ranging from 12" x 12" through to heavy duty truss.

The towers will provide the necessary equipment to support a truss rig in venues where the flying points are either not strong enough, or in the right place. Each tower is capable of lifting 2 ton to a maximum height of 33 feet. The 2 ton weight must include the self weight of the truss rig and the motors. The truss rig is raised and lowered by means of electric chain hoists. The motor is rigged in the truss and works in double fall due to the chain being passed over the roller beam at the top of the tower. The motor is then connected onto the other side of the sleeve block. Below, we list a brief description of the parts which make up a 12" ground support tower.

The base of the tower has 4 screw jack assemblies with 6" diameter foot pads which are adjustable to enable leveling of the tower. The base also incorporates 4 ball castors which allows the whole rig to be accurately positioned before the tower is raised. Once the tower system is ready to be raised, all the screw jacks must be adjusted evenly and must take the load off the ball castors.

The hinge section is designed to allow the towers to be assembled horizontally at truss top level before being swung and locked in the vertical operating position.

The tower sections are manufactured from aluminum 6082-T6 2" x .157" thick wall tube with 1" x .125" wall diagonals. The tower sections are connected together by Camloc quick release bolts. The tower sections are in modular form to allow 30" adjustments in height up to a maximum of 33 feet. Once the tower height has been determined, then the roller beam is fitted at the top of the tower.

The roller beam accepts the chain from the chain hoist which is run over the top of the roller beam and back down to the other side of the sleeve block.

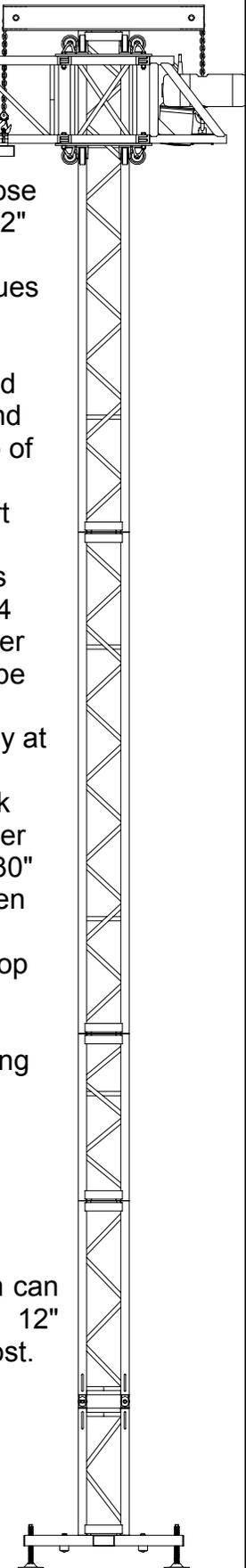
The sleeve block is the interface between the truss rig and the towers. It is designed to create a semi-rigid joint between the truss grid and the towers by using 16 heavy duty 4" wheels to guide the rig up each tower.

The standard 12" tower kit is made up of the following truss elements:

PRODUCT CODE	DESCRIPTION	WT lbs
B4100	Base	52.5
B4101	37.5" Hinge section	46
B3501	78.7" Hinge section	67
B0104	2'6" section	24
B0103	5' section	39.5
B0100	10' section	72.5
B4102	Roller beam	39.5
#	Sleeve block	-

A tower erecting system can also be supplied with 12" tower system at extra cost.

Select correct one for type of truss being used



12" TOWER SYSTEM

In addition to the standard truss elements, a sleeve block is supplied, based on the type of truss being used. The following are available :-

PRODUCT CODE	DESCRIPTION	WT lbs
B4108	Heavy duty sleeve block	79
B4104	GP 20.5 x 20.5 sleeve block	75
B4105	GP triangular sleeve block	72.5
B4106	GP 12 x 12 & 18 x 12 sleeve block	70.5
B4103	Pre-rig truss sleeve block	97

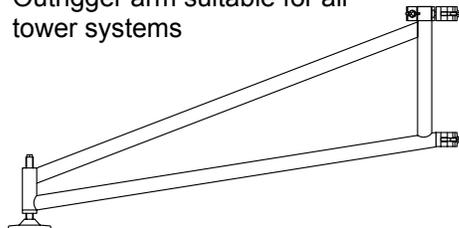
Other sizes of tower truss are available should they be required :-

B0101	8' tower section	59.5
B0102	6' tower section	46
B0105	1' 3" tower section	15

Outrigger and Stabilizer sets are required when using less than 3 towers. These are designed to provide stability and rigidity to single or two tower systems :-

B4003	Outrigger arm	19.5
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Outrigger arm suitable for all tower systems



The ground support tower system can be used outside but must be suitably anchored from the top of each tower sleeve block to the ground via a guy wire to a suitable ground anchor. We recommend that the bases are sat on top of a 3' square piece of 3/4" plywood. Should a cover be required then please refer to James Thomas Engineering approved design to suit your requirements.

The ground support tower system can also be specified with lock offs which provide safety against chain failure. We offer 2 types of lock offs. The first type of lock off is for truss systems which will always be rigged at the top of the towers. The second type is designed to fit in the tower at the desired height, whether the truss is at the top of the tower or not.

B4110	Tower top truss lock	-
B4120	Adjustable lock off system	-