

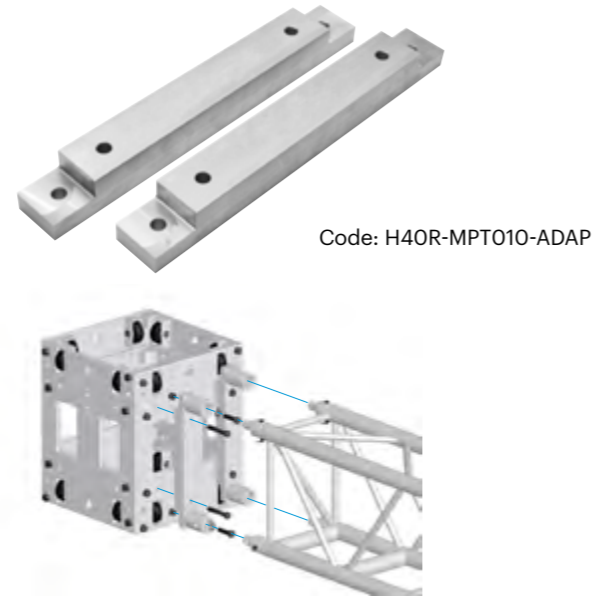
H40R TO MPT SLEEVE MODULE ADAPTER

The H40R truss is a rectangular standard H40 truss with a very clever program of specifications. The H40R measures 387 mm high by 287 mm wide. For the H40R Prolyte has developed a special adapter to be able to mount this flexible truss type on the MPT tower system, thereby offering more application possibilities.

The H40R is available in all standard lengths as well as a box-corner. Apart from the standard lengths and BoxCorner for the H40R range, Prolyte offers a BoxCorner attachment and the H40R MPT adapter; completing the H40R range to a convenient and flexible range.

Depending on the coupling method, the following bolts are required to attach the adapter:

- To attach the H40R-MPT010-ADAP to the sleeve block: BM-M12X075 + BM-M12-N + BM-M12-SW
- To attach the CCS6-651: BM-M12X050-IB + BM-M12-SN + BM M12-SW
- To attach the CCS6-602: BM-M12X040 + BM-M12-SW



MPT BALLAST FRAME

The ballast frame MPT-005 is designed to offer a safe, engineered and easy solution for your ballast requirements. These aluminium frames are simply mounted between the long outriggers of your ST- or MPT base section. Layer screw spindles are placed at the outside for optimum levelling each ballast frame. The system doesn't require any tooling. Standard, pallet-sized water tanks fit on the resulting platforms to create your ballast weight.

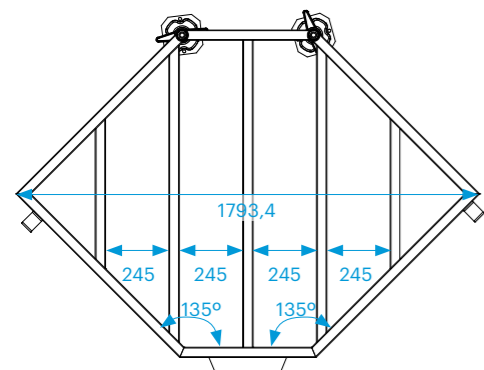
HOW TO USE THE BALLAST FRAME

The ballast frames should be used only in conjunction with long outriggers and stabiliser braces. All ballast frames and ballast should be positioned symmetrically. For any other needed set-ups, please contact our engineering department. The amount of ballast required for a structure is dependent on the outcome of structural analysis. Due to deflection of components not all applied ballast can be activated. The outsides will stay grounded, while the area around the tower will have the tendency to tip or be lifted (see drawing example).



MPT-005 SPECIFICATIONS

Weight	MPT-005: 17,8 kg/frame
Article Code:	MPT-005 MPT ballast frame 1000kg
Additional items required:	2 x ACC-SPIN-LAY/60-60 SCREWJACK per frame are needed.



The HT tower is an upgrade on the MPT Tower, based on H30V truss sections and employs a new type of sleeve block that fits the 40 square series truss on all four sides by means of bolted CCS6 couplers (either male or female).

In combination with an adapter plate, it is also possible to use the sleeve block with either H40R or H30V truss, to maintain full capacity of the truss. The HT sleeve module is a fully bolted structural element, making it much stronger and more precise than conventional welded versions. Compared to the current MPT sleeve block, the HT sleeve block is reduced in size and has the same measurements as the standard H40V box corner. The transfer of forces is optimised, which makes the element as strong as the truss is – creating a significant increase of for example cantilever loads.

Also, a dedicated guywire attachment is integrated into the sleeve block. The sleeve block has on all 4 sides wire thread holes which are suitable to attach eye bolts which can take guywires to stabilize your system.

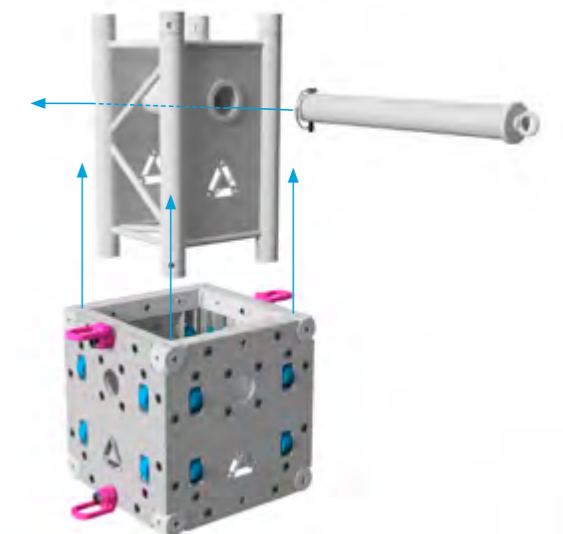


Advantages HT-010

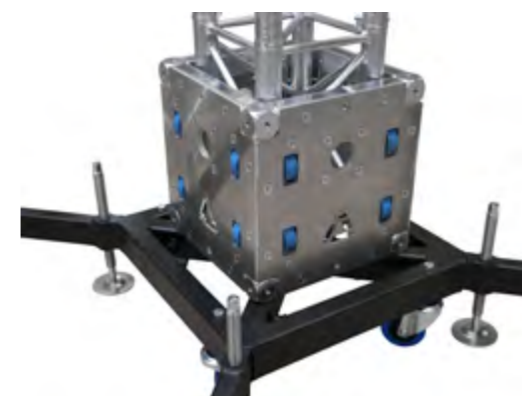
- Fully bolted sleeve block, making it stronger than welded versions.
- Same size as the standard 40 series box corners.
- Suitable for H40V truss.
- Sleeve block with attachment points on four sides for eyebolts
- Improved strength compared to the MPT sleeve module
- Easy to use dead hang system.
- Adapter plate available for other truss series (H30V and H40R).

HT TOWER DEAD HANG SOLUTION

The HT tower also has a new dead hang solution. The dead hang of the system can now be done by a dead hang pin which will be placed through the sleeve block in a special H30V tower section with a length of 50 cm. This dead hang solution is quick, lightweight, easy to attach and protects your system also against uplift. The top section (MPT-009S) and base section (MPT-004) can facilitate the use of either a hand winch or a chain hoist.

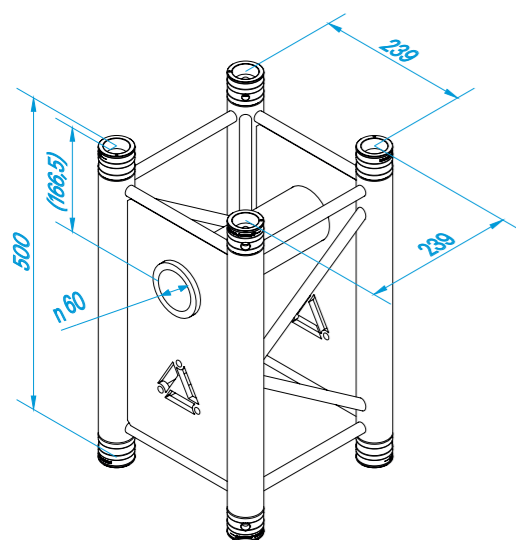


MPT-004 with the HT-010



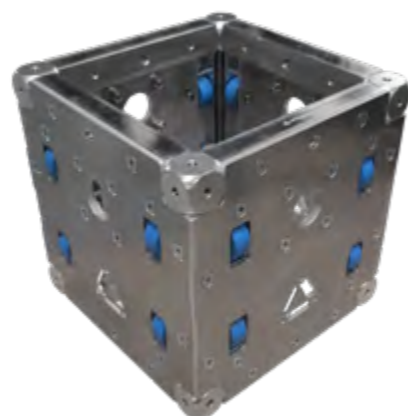
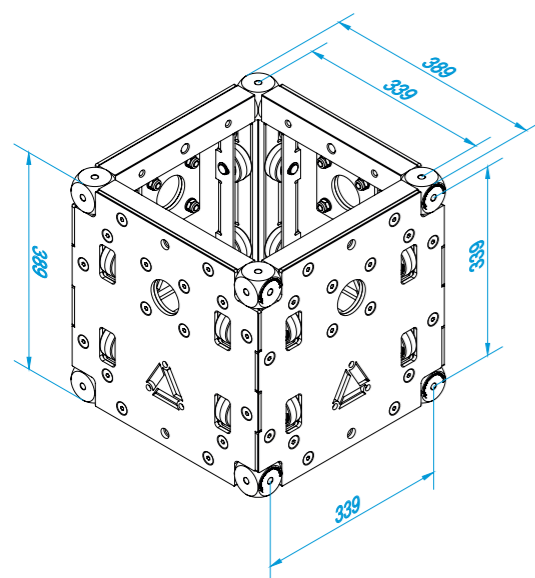


Deadhang Truss



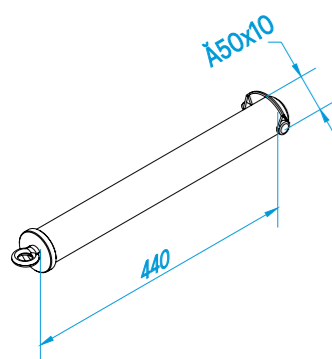
H30V-L...HT-DH
Deadhang Truss

Deadhang Sleeve module



HT-010
Sleeve module

Deadhang Pin



HT-DH-PIN
Deadhang Pin



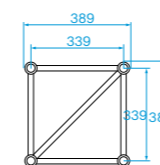
Photo: Enttech, Greece. Project: Voala Beach, Athens.

The ST tower is based on S40T mast sections. These mast sections have one-sided horizontal bracing to facilitate safe and easy climbing of the towers, with the use of an appropriate fall protection system. The ST tower uses several sleeve module that combine all the trusses from the S and B Series. This makes it possible to fit any of the S Series trusses to all four sides by means of bolted female CCS7 couplers. The ST tower has a self-weight of 120 kg.

The ST sleeve block is a fully bolted structural element, making it much stronger and more precise than conventional welded versions.

The ST tower is a cost-effective investment. You need only purchase the special parts if you wish to expand your truss system with towers.

There is a structural relation between tower length and size. Additionally, the applied load and the method of restraining the tower base also contribute to determination of the total loading capacity. All these factors must be taken into consideration when determining the allowable load and tower length.



S40T - Series standard available lengths

Meters	0,5	1,00	1,50	2,00	2,50	3,00	4,00	Avarage weight per meter = 10,3 kg
Feet	1.64	3.28	4.92	6.56	8.20	9.84	13.12	Avarage weight in pounds per feet = 6,93 LBS