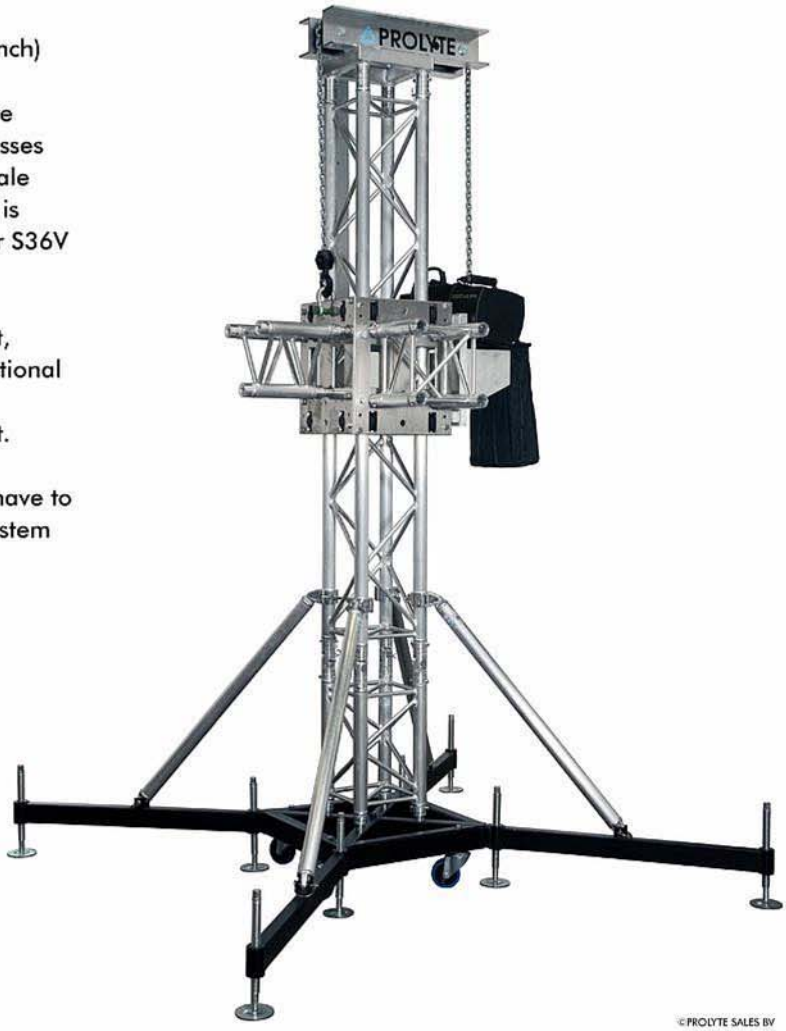
MPT TOWER

Photo : JSA, Russian Federation

The Multi-Purpose MPT tower has a loading capacity of 1000 kg (750 kg if used in combination with a hand winch) and a maximum lifting height of 7 m.
The MPT tower is based on H30V truss and uses a sleeve block that is suitable to fit any of the 30 or 40 series trusses to all four sides by means of bolted, either male or female CCS6 couplers. In combination with an adapter plate it is also possible to use the sleeve block with either S36R or S36V truss. The MPT tower has an self-weight of 115 kg.

The MPT sleeve block is a fully bolted structural element, making it much stronger and more precise than conventional welded versions. The top section and base section can facilitate the use of either a hand winch or a chain hoist.

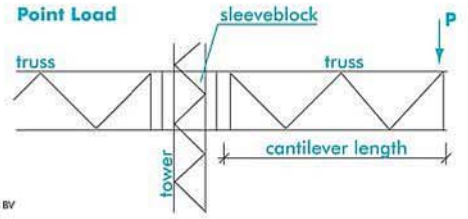
The MPT tower is a cost-effective investment. You only have to buy the special parts if you wish to expand your truss system with towers.

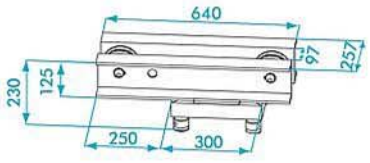


TECHNICAL SPECIFICATIONS MPT TOWER	
max. height	7,50 m
max. loading capacity	1000 kg
max. load handwinch	750 kg
type mast sections	H30V
sleeve block suitable for truss-series	X or H30D, X or H30V, X or H40D and X or H40V, S36R, S36V
alloy alu parts	EN-AW 6082 T6
coupling system tower	CCS6 series
self weight	115 kg

ALLOWABLE CANTILEVER LOAD FOR MPT-010 SLEEVE BLOCK

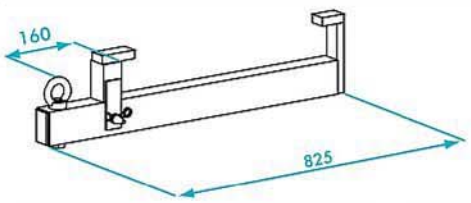
lenght (L)	H40V X40V PL (kg)	H40D X40D PL (kg)	H30V X30V PL (kg)	H30D X30D PL (kg)
0,5	400	160	400	130
1	200	80	200	65
1,5	130	50	130	40
2	100	40	100	30



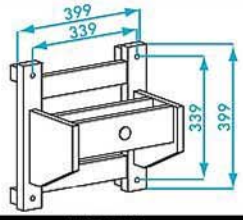


Top section MPT-009

Pulley suitable for 8 mm chain or 8 mm steelwire.



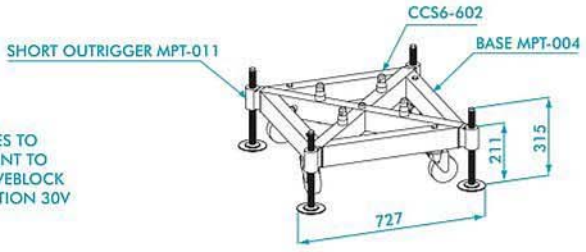
MPT-041



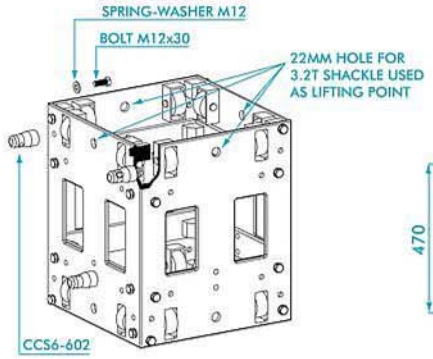
MPT-042

ACC-A-36R/V

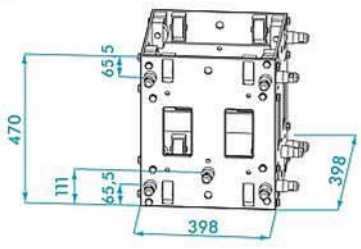
Adapter plate for S36R or S36V truss WLL 1000kg.



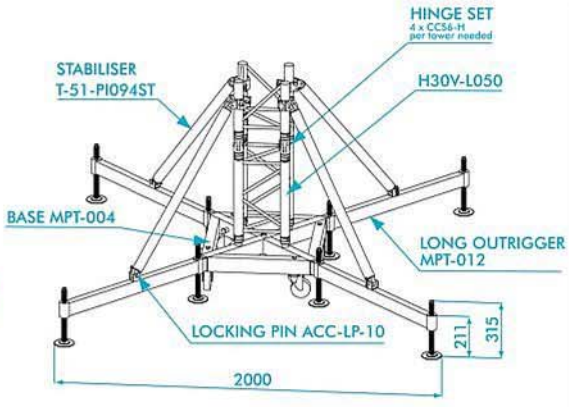
MPT-004 Base



Sleeveblock MPT-010



Sleeveblock MPT-010



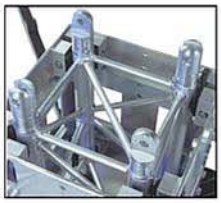
MPT-004 Base with MPT-012 long outriggers

MPT TOWER

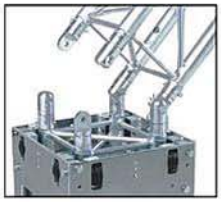
1 The black coated, steel base (MPT-004) is equipped with 4 castors and four half conical couplers (CCS6-602) for the attachment of the mast section. The base can be used with either short outriggers (MPT-011) or long outriggers (MPT-012).

2 To secure the outriggers within the base, a trigger pin is placed on the inside of the base frame. Pull the pin outwards when mounting the outriggers.

3 Disassemble the hinge set, mount the half hinges to both the mast sections (H30V truss). Male and female connections should be mounted diagonally (as shown in the picture) in order to facilitate the erection of the mast.



4 A completely mounted hinge set. First locate the truss pins on one side. The truss now works as a hinge and can be erected easily. Subsequently locate the remaining truss pins in the other side to fix the mast into position. Per tower 4 x CCS6-H needed. (hinge set MPT•ST tower).



5 Unscrew the screw jacks in the outriggers. Make sure that the castors of the base are free of any load. The complete load of the base should be supported by the screw jacks. Level the base by adjusting the screw jacks. The base must be perfectly level before the mast is erected. Long outriggers are needed for structures with three towers or less.

6 To use the MPT tower in combination with a chain hoist, Prolyte provides the motor attachment (MPT-041). This supplementary component can be attached to the base and has a fixing point for the chain hoist hook.

7 The sleeve block is lifted by use of a chain hoist or a hand winch. Chain hoists can be mounted with the help of the motor attachment (MPT-042). Chain hoists can also be mounted to the grid and sleeve block. WLL 1000 kg.

8 Prolyte recommends that, during storage and transportation, the MPT towers be mounted as an assembly of the following components: base section, 50 cm mast section, sleeve block, hinges and top section. This combination facilitates fast, efficient loading and building of the towers (size 60 x 60 x115 cm, weight +/- 115 kg).