

# MPT TOWER

Photo : JSA, Russian Federation

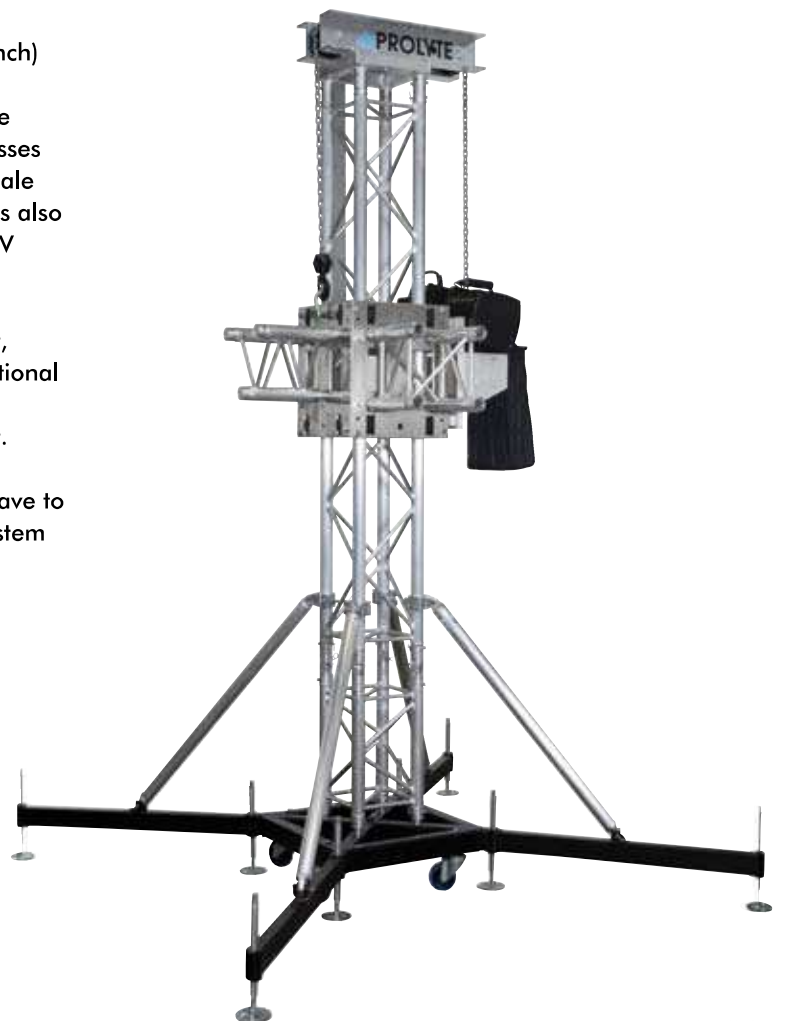


The Multi purpose MPT tower has a loading capacity of 1000 kg (750 kg if used in combination with a hand winch) and maximum lifting height of 7 m.

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's also possible to use the sleeve block with either S36R or S36V truss. The MPT tower has a 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 want to extend your truss system with towers.



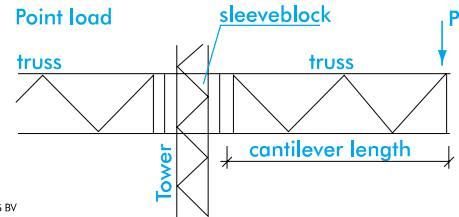
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### TECHNICAL SPECIFICATIONS MPT TOWER

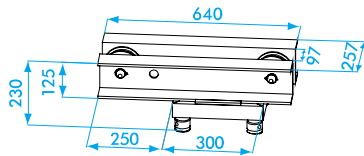
max. height	7,50 m
max. loading capacity	1000 kg
max. load handwinch	750 kg
type mast sections	H30V
sleeve block suitable for truss-series	X or H30D, X or H30V, X or H40D and X or H40V, S36R, S36V
alloy alu parts	EN-AW 6082 T6
coupling system tower	CCS6 series
self weight	115 kg

### ALLOWABLE CANTILEVER LOAD FOR MPT-010 SLEEVE BLOCK

length (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

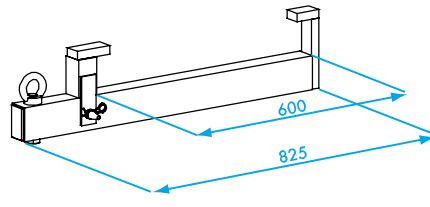


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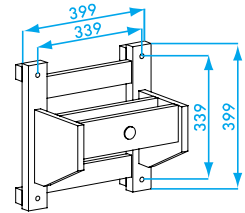
Top section MPT-009  
pulley suitable for 6mm chain of 1 ton hoistor  
8 mm steelwire.

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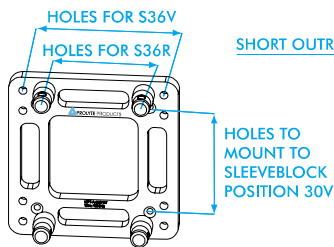


MPT-041

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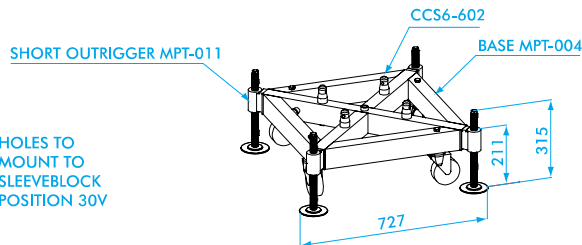


MPT-042

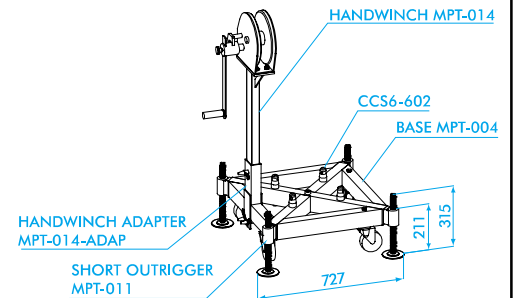


Adapter plate for S36R or S36V truss WLL 1000kg

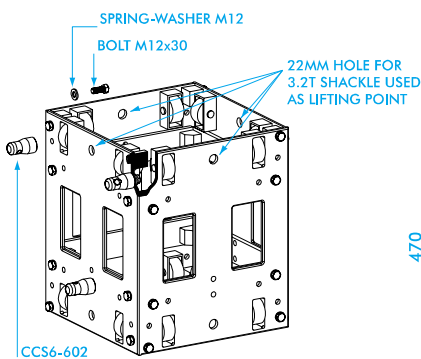
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MPT-004 Base

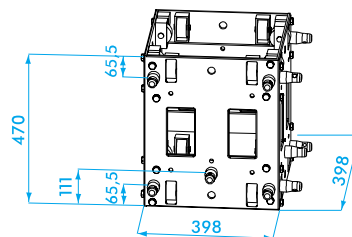


MPT-014 Handwinch

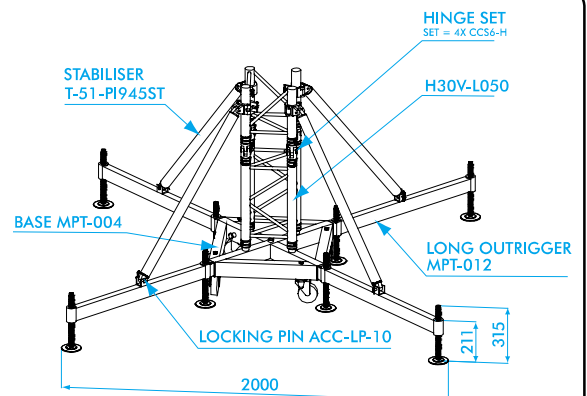


Sleeveblock MPT-010

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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)



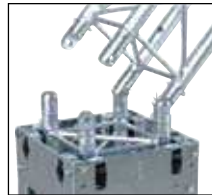
**2** To secure the outriggers within the base, a trigger pin is placed on the inside of the baseframe. Pull the pin outwards when mounting the outriggers.



**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 the mast.



**4** A complete mounted hinge set. First locate the truss pins to one side, the truss now works as a hinge and can be erected easily. Then locate the remaining truss-pins in the other side to fix the mast into position. A complete hinge-set consists of 4 x CCS6-H (hinge-set MPT•ST tower)



**5** Unscrew the screwjacks 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 screwjacks. Level the base by adjusting the screwjacks. The base must be perfectly levelled 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 provide the motor attachment (MPT-041). This supplementary component can be attached to the base and has a fixing 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 sleeveblock. WLL 1000 kg.



**8** Prolyte advises that during storage and transportation the MPT towers are mounted as an assembly of the following components; base section, 50 cm mast section, sleeveblock, hinges and top section. This combination facilitates fast, efficient loading and building of the towers (size 60 x60 x115 cm, weight +/- 115kg).

