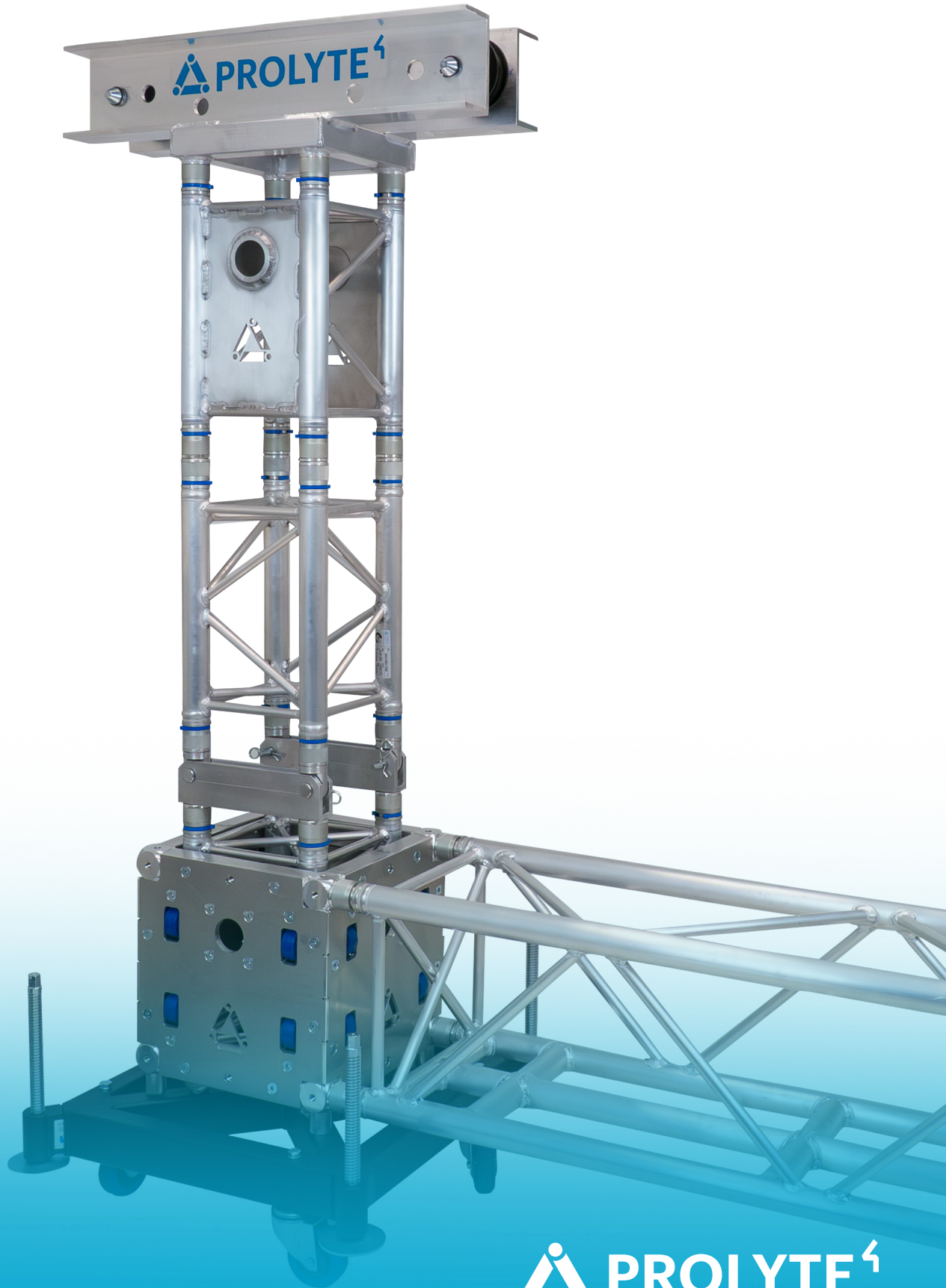


Prolyte

Verto HT Tower



Features

The Verto truss is based on a new principle of truss connection, where the sections are joined by a rotating coupler system. This system has great advantages over existing systems. The name Verto is derived from Latin, meaning to turn or to turn around and that is exactly how this coupler works.

System Description:

The Verto HT tower is an upgrade on the MPT Tower. It is based on Verto H30V truss sections and uses a new type of sleeve block that fits the 40 square series (Verto or conical) truss on all four sides by means of bolted half couplers.

The HT sleeve block 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 wire thread holes on all 4 sides, which are suitable to attach eye bolts that can take guywires to stabilize your system.

New hinge system

The hinge set is completely redesigned, to make it more user friendly and to improve the force transfer during the erecting of the tower. The couplers of the hinge part are automatically in the right position to take connectors of the two main chords when the complete tower reaches the final vertical position.



Verto HT Tower Technical Specifications:

Max. truss tower height	• 7.50 meters
Max. loading capacity	• 1000 kg*
Type mast sections	• VER-H30V
Sleeve block suitable for truss-series	• 40 square series
Alloy aluminium parts	• EN-AW 6082 T6
Coupling system tower	• Verto
Self weight	• 125 kg

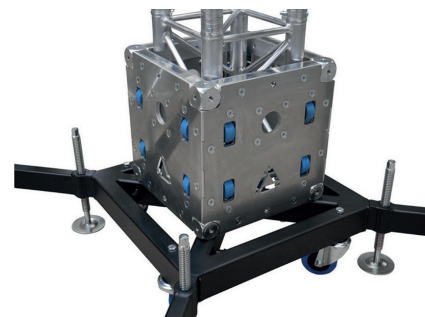
*There is a structural relation between tower height and size, further the applied load and the method of restraining the tower base and top also have its influence on the total loading capacity. All these factors must be taken into consideration when determining the allowable load. More information can be found in the Prolyte Blackbook.

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 Verto H30V tower section with a length of 50 cm. This dead hang solution is quick, lightweight, easy to attach and protects your system against uplift. The top section (VER-009S) and base section (VER-004) can facilitate the use of either a hand winch or a chain hoist.



VER-004 with the HT-010



Contact us

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