



VOYAGER TW

The single span PROTOS VOYAGER Truss Winch is the perfect example of Dutch lifting engineering ingenuity. The winch systems in the TW range are integrated in a standard 30/40cm truss box frame of 1/1.3m length that can be connected to standard SIXTY82, TPM 29S, 39S truss or equivalent.

The uniquely designed universal pulley plates can be mounted at any position along the truss span, guiding the 4/6 steel wire ropes.

The standard TW single truss span range consists of 250, 400, 600, and 800Kg WLL models. The maximum standard lifting height is 10m and is capable of connecting truss spans ranging from 3 to 24m.

The TW is equipped with double limit switches as well as over and under load detection. The TW is available at a fixed speed of 5m/min or with variable speeds ranging from 0 - 8 m/min. It is rated IP54, has a phase monitoring system and offers an economic power consumption of 0.85Kw at 400V/50Hz while complying with EN-17206 and CE.

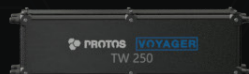
VOYAGER TW BASIC

Aside from the standard TW/TWG systems which can be controlled by 1 or 4 channel rack mount or the 1 channel variable speed controller with optional DMX control, the range has been extended with the TW-Basic and TWG-Basic versions. This basic version offers a simplified and more economical solution, enabling access for small budgets such as schools, black boxes and the like.

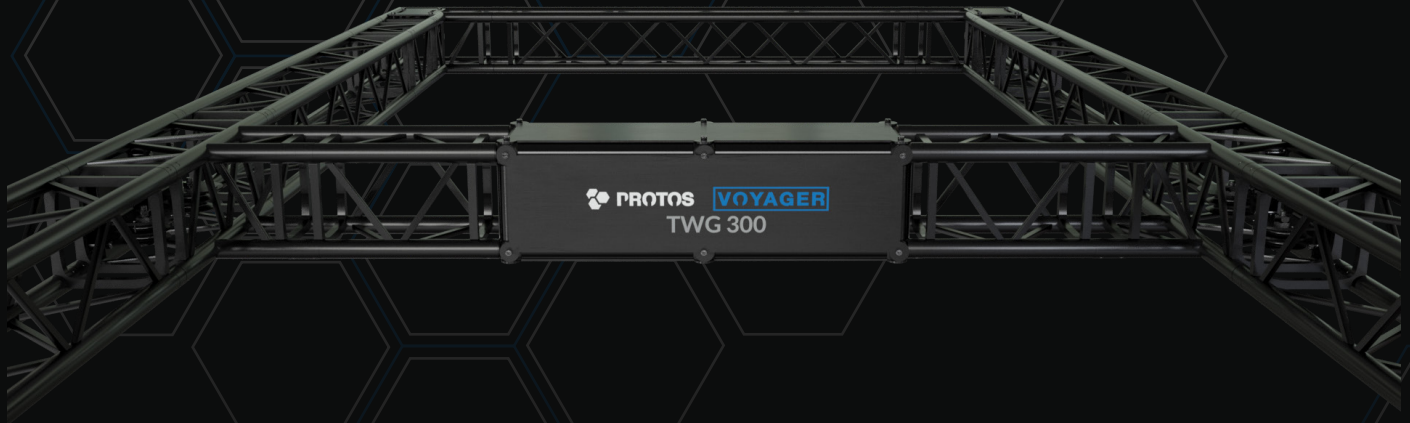
The TW-B and TWG-B are controlled by a pendant controller with a simple up/down selection and E-stop switch. The winch itself is equipped with limit switches and complying with all international standards guaranteeing the highest standards for safety and quality possible.



WLL	250 kg	250 kg	250 kg	400 kg	600 kg	800 kg
Safety Factor	10:1	10:1	10:1	10:1	10:1	10:1
Maximum Travel Range	10 m	10 m	10 m	10 m	10 m	12/14 m
Lifting Speed Fixed	5 m/min	5 m/min	5 m/min	5 m/min	5 m/min	5 m/min
Lifting Speed Variable	0-8 m/min	0-8 m/min	0-8 m/min	0-8 m/min	0-8 m/min	0-8 m/min
Operating Voltage*	3Ph-400V-50Hz	3Ph-400V-50Hz	3Ph-400V-50Hz	3Ph-400V-50Hz	3Ph-400V-50Hz	3Ph-400V-50Hz
Control Voltage**	24V	24V	24V	24V	24V	24V
Connector type	Harting Eco B	Harting Eco B	Harting Eco B	Harting Eco B	Harting Eco B	Harting Eco B
Protection Class	IP54	IP54	IP54	IP54	IP54	IP54
Motor Power	0.75kW	0.8kW	1.1kW	1.1kW	1.1kW	1.3kW
Current At Full Load	4.1A	4.4A	7.2A	7.2A	8.1A	11.2A
Classification - European Standard	EN-17206	EN-17206	EN-17206	EN-17206	EN-17206	EN-17206
Noise Level at 1 meter	55 - 74dB	55 - 74dB	55 - 74dB	55 - 74dB	55 - 74dB	55 - 74dB
Steel Cables and Pulley Plates	4xØ5mm	4xØ5mm	4xØ6mm	4xØ6mm	4xØ8mm	4xØ8mm
Steel Cables Weight Per Meter	0,104 kg	0,104 kg	0,198 kg	0,198 kg	0,245 kg	0,245 kg
Self Weight	72 kg	74 kg	80 kg	88 kg	98 kg	108 kg
Locking Torque	1100Nm	1100Nm	1100Nm	1100Nm	2800Nm	2800Nm
Compatible Trusses Type	TPM29S	TPM29S	TPM29S	TPM29S	TPM29S/39S	TPM 29S/39S
Dimensions	1x0.293x0,293 m	1x0.293x0,293 m	1x0.293x0,293 m	1x0.293x0,293 m	1,3x0,393x0,393 m	1,3x0,393x0,393 m
Maximum Length of Truss span	8 m	16 m	24 m	24 m	24 m	24 m



SCAN FOR DEMONSTRATION



VOYAGER TWG

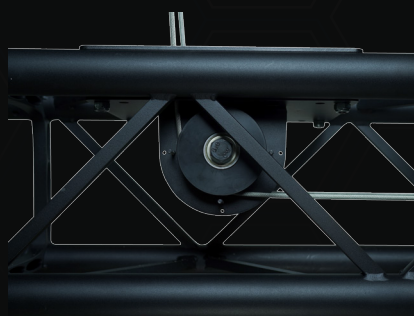
Based on the same principal of integrating a winch into a truss fly-bar, we offer the TWG grid winch. Similar to the TW, the TWG is a single winch, integrated into a standard 30/40cm box frame truss which can be connected to standard SIXTY82, TPM 29S or 39S truss or equivalent. The pulley plates can be mounted on each required position of the structure, guiding the 4/6 steel wire ropes throughout the grid.

The standard TWG truss grid range is available as a 300, 500 and 750 kg WLL model. The maximum standard lifting height is 10/14m. Standard available grid sizes range from 2x2m to 8x8m depending on the model. The TWG is equipped with over and under load detection and is available as a fixed speed of 5m/min or variable speed of 0 - 8 m/min model. All winchies in the TW range are rated IP54, include a phase monitoring system and offer an economic power consumption of 0.85Kw at 400V/50Hz, all while complying with EN-17206 and CE.

The fixed speed TWG model is controlled via the PVC-TW04R 4 channel or the PVC-TW 01R 1 channel controllers. The controller has up/down switches for each channel and an E-stop switch. The controllers can be linked with up to a maximum of 24 units (96 channels) and are equipped with Harting and CEE 16A connectors. The controller can also be equipped with a DMX 512 show control card. Optionally one can opt for the hand held or wall mounted remote, which comes with 20m of cable.

The variable speed TWG is controlled by the TW 01RVS single channel, 19 inch rack mounted controller, which features speed control, an E-switch and the ability to be programmed by means of a laptop/desktop or tablet.

The PROTOS VOYAGER TWG range offers a unique truss grid lifting system powered by just one integrated winch. Allowing for savings on budget, space, cable and suspension equipment while being versatile and safe. Besides the standard range, the TWG range offers limitless custom options tailored to your needs.





	TWG300	TWG500	TWG750
WLL	300 kg	500 kg	750 kg
Safety Factor	10:1	10:1	10:1
Maximum Travel Range	10 m	12/14 m	12/14 m
Lifting Speed Fixed	5 m/min	5 m/min	5 m/min
Lifting Speed Variable	0-8 m/min	0-8 m/min	0-8 m/min
Operating Voltage*	3Ph-400V-50Hz	3Ph-400V-50Hz	3Ph-400V-50Hz
Control Voltage**	24V	24V	24V
Connector type	Harting Eco B	Harting Eco B	Harting Eco B
Protection Class	IP54	IP54	IP54
Motor Power	0.75kW	1.1kW	1.3kW
Current At Full Load	7.2A	8.1A	11.3A
Classification - European Standard	EN-17206	EN-17206	EN-17206
Noise Level at 1 meter	55 - 74dB	55 - 74dB	55 - 74dB
Steel Cables and Pulley Plates	4xØ6mm	4/6xØ8mm	4/6xØ8mm
Steel Cables Weight Per Meter	0,198 kg	0,245 kg	1,245 kg
Self Weight	88 kg	98 kg	108 kg
Locking Torque	1100Nm	1100Nm	1100Nm
Compatible Truss Type***	TPM29S	TPM29S/39S	TPM 29S/39S
Dimensions	1x0.293x0,293 m	1,3x0,393x0,393 m	1,3x0,393x0,393 m
Maximum truss grid size	6x6 m	8x8 m	8x8 m



SCAN FOR DEMONSTRATION