



**Traction aid cable-, and traction
cable winch systems in
parabolic disc versions for various
excavators
for use in forestry and construction**



HAAS Traction aid cable winch EXC 80, 110, 120 OC

For nearly 10 years now, the HAAS traction aid cable winch has been used hundreds of times for forestry purposes worldwide in conjunction with John Deere forestry machines. The HAAS traction aid cable winch and its winch components have been designed to be a modular system.

Fixed HAAS traction aid cable winch:



External HAAS traction aid cable winch:



Almost all construction machinery with a sufficient hydraulic system is suited as a base machine for an external Haas traction aid cable winch.

The external HAAS traction aid cable winch supports a wide variety of forestry and construction machinery in uphill and downhill driving, on steep and rough terrain, and helps you maximise your productivity. This working method helps to protect travel paths and the forest floor and expensive repair costs are eliminated.

The towing machine installed with the external HAAS traction aid cable winch must be placed in a location where the integrated bracing spur can be pressed into the ground for stability and provide it with a secure footing. If the ground is not suitable for this, work can still be carried out, for example on road surfaces, thanks to a pulley system.

As a safety system, a safety line is inserted from the external HAAS traction aid cable winch into the ground. As soon as the winch changes its original position and loses contact with the safety line, the external HAAS traction aid cable winch switches off immediately. There is also a safety radio link, i.e.; if the radio link from the winch to the towed machine is interrupted, the machine stops immediately. There is only one small, one-off modification needed on the machine which is to be towed by the winch.

HAAS Traction aid cable-, and HAAS Traction cable winch modifications to excavators

The development of a crawler excavator with the patented Haas winch construction, meant that HAAS succeeded in being able to offer an all-rounder as early as 1998.

In the hitherto customary process of whole tree haulage, when untangling storm damaged timber, or processing with a harvester head, whether on steep slopes in combination with several machines such as skidders, cable cranes and excavators with clamshell, an extremely economical workflow has already been made possible.



John Deere H290 Harvester Head



Waratah H290 Harvester Head
mwith excavator foot



John Deere T40 WINCH



Fällkopf Waratah F235

Waratah 622 Harvester Head with topping saw



Seilwinde S+R 10to



John Deere T40 Winch
Grapple with saw



John Deere T40 Winch
with cable spooling

The HAAS traction aid cable winch, designed as a modular system, thus enables a simple and flexible solution for short and long log excavators.

HAAS Traction aid cable winch EXC 80, 110, 120 OC

- Winch assembly on monobloc boom or adjustable boom
- Winch construction for quick change on wheeled and crawler excavators
- Suitable for short and long tail excavators
- Cable winder directly on the winch on the dipper stick



HAAS Traction aid cable winch EXC 80, 110, 120 OC

Parabolic disc system



The drive unit

The HAAS traction aid cable winch is equipped with a robust planetary gearbox and thanks to the separate drive / cable storage system, always has constant traction.



Cable storage

The cable is wound on the storage drum with the least amount of tension using the simplest cable distribution device. This ensures the long service life of the cable.

HAAS Hydraumatic has been developed exclusively for installation on HAAS traction aid cable winches.

HAAS traction aid cable winch:

The winch is driven by the additionally mounted Hydraumatic, which consists of large-dimensioned components.

As a result, up to 100% simultaneous synchronous movement of the machine being towed is possible.

This ensures efficient operation with high productivity and long life on even as well as steep terrain.

Robust standard components simplify the procurement of spare parts, maintenance and increase machine performance.

These winches impress with their high technical availability throughout their entire service life.

HAAS Traction aid cable winch EXC 80, 110, 120 OC

Options for external traction aid cable winch



Option: Cable accessories

(Only required if used with front winch, mulcher etc.)

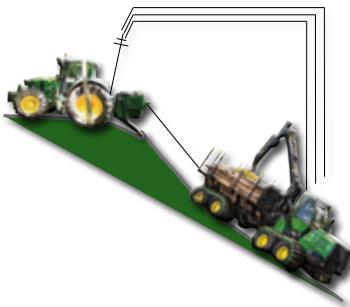
Option: 2 mechanical bracing winches mounted with ratchet lock

- with cable \varnothing 40x50m



Option: Pulley

- for indirect towing of the machine which is to be towed
- to increase the traction up to 18to



Option: dual safety monitoring system

Option: Security window in cabin (excavator manufacturer)



Option: Radio remote control

Radio controlled operation: RC

The control levers and buttons for radio transmission are already primed in the radio controlled traction aid cable winch transmitter (Varies according to country) transmitter, receiver, charger and carrying harness to be worn on the chest

Technical Data	 Traction aid cable-, and traction cable winch systems in drum and parabolic disc versions		
Carrier type			
THSW Typ	EXC 80 OC	EXC 110 OC	EXC 120 OC
Pulling force	0-80 kN, 11-stufig	0-105 kN, 11-stufig	
Steel wire cable	Ø 14 / 400m stranded special wire cable, 211kN minimum breaking force	Ø 14 / 400m stranded special wire cable, 211kN minimum breaking force	
Pulling force	0-80 kN, 11-stufig	0-110 kN, 11-stufig	0-120 kN, 11-stufig
Steel wire cable	Ø 16 / 330m stranded special wire cable, 276kN minimum breaking force	Ø 16 / 330m stranded special wire cable, 276kN minimum breaking force	Ø 16 / 500m stranded special wire cable, 276kN minimum breaking force
Hydraulic propulsion	Hydrostatically driven spill slide mounted on planetary gear	Hydrostatically driven spill slide mounted on planetary gear	Hydrostatically driven spill slide mounted on planetary gear
Hydraumatic	hydraulic circle, controlled electrohydraulically	hydraulic circle, controlled electrohydraulically	hydraulic circle, controlled electrohydraulically
Parabolic disc	Ø 490mm, double-grooved, also acts as cable release, no additional cable ejector needed	Ø 490mm, double-grooved, also acts as cable release, no additional cable ejector needed	Ø 580mm, double-grooved, also acts as cable release, no additional cable ejector needed
Cable storage	Hydraulically preloaded, center of cable drum is grooved	Hydraulically preloaded, center of cable drum is grooved	Hydraulically preloaded, center of cable drum is grooved
Cable spooling	Simple, classic mech. Spooling arm	Simple, classic mech. Spooling arm	Simple, classic mech. Spooling arm
Cable speed max.	5,75 km/h	5,75 km/h	6,37 km/h
	Control mode: Haas matic via radio	Control mode: Haas matic via radio	Control mode: Haas matic via radio
	Control mode: only cable via radio	Control mode: only cable via radio	Control mode: only cable via radio
	Automatic monitoring of cable spooling Monitoring for cable damage with sensor Monitoring of cable length, cable beginning and cable end Monitoring of slope gradient with digital display and signal mounted in hauled machine	Automatic monitoring of cable spooling Monitoring for cable damage with sensor Monitoring of cable length, cable beginning and cable end Monitoring of slope gradient with digital display and signal mounted in hauled machine	Automatic monitoring of cable spooling Monitoring for cable damage with sensor Monitoring of cable length, cable beginning and cable end Monitoring of slope gradient with digital display and signal mounted in hauled machine
Cable intake height depending on carrying	depending on construction	depending on construction	depending on construction
Weight of winch	ca. 2.620 kg	ca. 2.620 kg	ca. 2.960 kg
Weight of carrying vehicle	on request	on request	on request
Dimensions in mm: length x width x height can vary from model to model	on request	on request	on request
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Innovation, quality, service and spare parts supply

Innovation is our strength:

HAAS - MASCHINENBAU stands for decades of experience in forestry technology: Innovation, quality, service and spare parts supply for forestry is our aim!

Tailored solutions are designed to make your business more efficient and your daily work more productive. Every year we invest large sums in the further development of our products.

Our continual goal is to make your job faster, safer and more convenient.

HAAS - MASCHINENBAU offers the sale of and additionally develops the large range of systems exclusive to John Deere (formerly TIMBERJACK ForestMachineGroup) since 1998 for all applications in the short and long timber industry.

Made in Germany

Your success is our goal!



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