

# Farm Tractor Winches

V-3021 • V-3521 • V-4021 • V-5021 • V-6521



Efficient winches  
for both professional  
and light forestry operations

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## Presentation

Fransgård's V-winches have been developed and produced over 50 years in close collaboration with the end user. The winch is continuously developed and updated, based on experiences from the many end-users around the world. This makes the winch an extremely effective and attractive product for both professional and hobby forest workers.

## A simple construction providing low maintenance costs and easy operation

The simple and efficient construction of the mechanical components minimizes maintenance and servicing costs. The basic operation of the winch is very simple, enabling a new user to quickly become familiar with its operation.

The steel cable is the main wearing part. Its service life can be extended by using sliders and tying forestry chains around felled logs. The friction clutch ensures that the forest winch and the tractor are not unnecessarily overloaded by towing logs exceeding the forestry winch's pulling capacity.

# Outstanding features



### Replaceable, serrated tow bar strip

The skid plate is fitted with 2 slotted tow-bar strips which will secure the forestry chains attached to the felled logs. This lowers the center of gravity of the tractor for safely transporting logs. The towbar strip is bolted on and can easily be replaced if it is bent or worn out. (Not available on models V-3021 and V-3521)



### Replaceable cable drum frame

All forest winches in the V-series are now delivered with an easily removable cable drum frame, which facilitates servicing or replacement of drive chain or clutch parts.



### Safety screen

All Fransgård's forest winches are fitted with a safety screen to protect the tractor during work operations. The screen is attached with bolts, which can be easily removed when servicing the machine.



### Drive chain

The extra reinforced drive chain ensures long service life and minimal wear on the sprockets and thus less downtime. The chain is lightly lubricated, without removal, with chain spray or grease.



### Support legs

The support leg should remain mounted on the forest winch at all times. It can be raised during work operations and lowered slightly again when the winch is to be parked. The foot of the support leg ensures stability when the unit is stationary. On models V-4021, V-5021 and V-6521, the support leg is made of square tubing providing more durability.



### Clutch

The clutch lever is always pulled up against the welded stop, which ensures full clutch engagement for maximum pulling capacity. This also positions the 3 clutch pins in the correct position for optimal performance.



### Clutch arm with replaceable pulley rollers

The clutch arm is now equipped with replaceable pulley rollers. This facilitates the power cord flow.



### Optimal cable spooling

The longer distance between the top pulley and cable drum enables optimal cable spooling. The overall height of the top pulley provides additional ground clearance when pulling logs, minimizing debris on the logs and damage to the ground surface.



### Support plate for top pulley and ball bearings

The steel-casted top pulley with ball bearing rests on a grease-able support plate, which ensures stable retraction of the cable, even under heavy load. Ball bearings in the top pulley enable easier cable unwinding.



### Hooks for equipment (1)

The winch has a standard feature of one or two hooks for carrying forestry chains etc.

### Ax holder (2)

Both V-4021 and V-5021 are supplied with a holder for an ax or forestry chains.

## Valuable details



### Bottom pulley

Swiveling bottom pulley on the winch provides greater safety when pulling from an wide an-gle while lowering the center of gravity. This prevents movement or tilting of the tractor.



### Cable drum tension band

The cable drum has a spring-loaded tension band, which ensures that the cable drum stops rotating as soon as the steel cable unwinding is stopped. This prevents unraveling unnecessary cable on the cable drum.



### Bolts for clutch

The 2 adjustment bolts for the clutch, which are located on each side of the powerful main shaft and large nut, are conveniently located when adjusting the clutch. The adjustment of the clutch is clearly described in the included manual.



### Pulling Power cord

The green power cord to activate the winch is made of weather-resistant material so that it can move freely in the pulley rollers mounted in the power transmission center of the winch. This power cord and pulley system reduces the energy required to engage the clutch system and pulling function.



### Cable control

The cable guide on the steel casted top pulley centers the cable on the top pulley sheave when under load. The cable guide also prevents debris and dirt from entering into the cable drum.

## Technical data:

Technical data:	V-3021	V-3521	V-4021	V-5021	V-6521
Pulling Capacity	3,000 kg / 6600 Lbs	3,500 kg / 7275 Lbs	4,000 kg / 8800 Lbs	5,000 kg / 11000 Lbs	6,500 kg / 14300 Lbs
Weight (PTO and cable included)	193 Kg / 425 Lbs	203 Kg / 448 Lbs	298 Kg / 657 Lbs	316 Kg / 697 Lbs	461 Kg / 1016 Lbs
Drum capacity of cable:					
Diameter	8 mm / 5/16"	8 mm / 5/16"	10 mm / 3/8"	10 mm / 3/8"	11 mm / 7/16"
Maximum length / recommended length	45/40 mtr / 150/130 ft	45/40 mtr / 150/130 ft	60/50 mtr / 200/164 ft	60/50 mtr / 200/164 ft	80/50 mtr / 260/164 ft
Cable breaking load	5,245 kg / 11540 Lbs	5,245 kg / 11540 Lbs	8,200 kg / 18000 Lbs	8,200 kg / 18000 Lbs	9,920 kg / 21820 Lbs
Pulling speed per second (by 540 rpm)	0.6-1.5 m / 2-5 ft	0.6-1.5 m / 2-5 ft	0.6-1.5 m / 2-5 ft	0.6-1.5 m / 2-5 ft	0.6-1.5 m / 2-5 ft
Overall height with protectiv screen	1.45 m / 57"	1.55 m / 61,2"	1.75 mtr / 68,8"	1.85 cm / 72,8"	2.15 mtr / 84,6"
Protection screen	71x104 cm / 28"x41"	71x104 cm / 28"x41"	71x104 cm / 28"x41"	71x104 cm / 28"x41"	71x104 cm / 28"x41"
Top pulley height	120 cm / 47"	130 cm / 51"	150 cm / 59"	160 cm / 62"	180 cm / 71"
Lower pulley (optional accessory V-3004 & 3507)	42 cm / 17"	48 cm / 18.9"	75 cm / 30"	85 cm / 34"	85 cm / 34"
Log dozerblade / towbar	38x100 cm / 15"x40"	49x125 cm / 19"x50"	55x150 cm / 22"x59"	65x150 cm / 25"x59"	70x150 cm / 28"x59"
PTO hookup ground clearance	38 cm / 15"	49 cm / 19"	50 cm / 20"	60 cm / 23.6"	57 cm / 22"
3-point linkage	Cat I	Cat I	Cat I & II	Cat I & II	Cat II & III
Min-max tractor engine HP required	25 - 45 HP / hk	25 - 45 HP / hk	35 - 65 HP / hk	40 - 70 HP / hk	60 - 110 HP / hk

## Made in Denmark

A strong combination of modern laser cutters and good craftsmanship ensures that our products meet customers' high demands for durable and robust machines. As we develop, produce and assemble the machines at our own factory in Denmark, we can quickly reorganize production according to customer demands.

It provides us with great flexibility, for which we are renown and is much appreciated by our customers. With our own production facilities, we have constant supervision of each individual order, so our customers receive the correct products on time.

**It is Danish efficiency and quality at its best.**

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