












Farm tractor winch

V-4021
V-5021
V-6521

 Fransgård	
Fredbjergvej 132, Denmark-9640 Farsø. www.fransgard.dk	
Model	V-4021
Kg.	267
KW	30
Serie n°	
	
Made in Denmark	
	

 Fransgård	
Fredbjergvej 132, Denmark-9640 Farsø. www.fransgard.dk	
Model	V-5021
Kg.	285
KW	40
Serie nr.	
	
Made in Denmark	
	

 Fransgård	
Fredbjergvej 132, Denmark-9640 Farsø. www.fransgard.dk	
Model	V-6521
Kg.	425
KW	60
Serie n°	
	
Made in Denmark	
	

Fransgård Maskinfabrik A/S
Fredbjergvej 132
DK - 9640 Farsø
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TECHNICAL SPECIFICATIONS V-4021

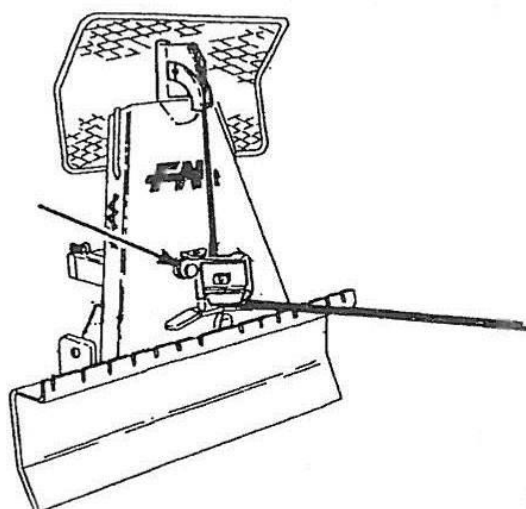
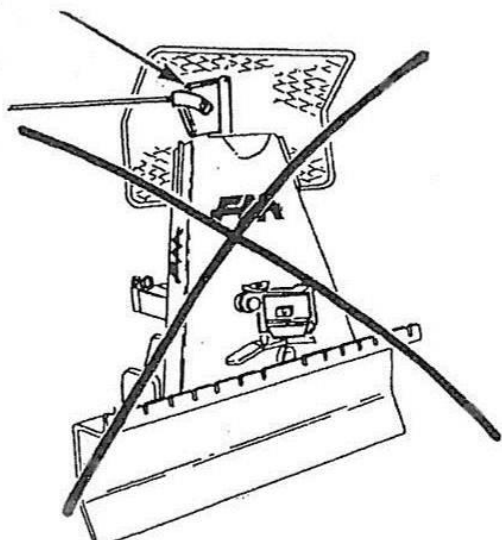
Pulling power	4000 kg / 8800 lbs.
Clutch	385 cm ² / 0.4 sq. ft
Transmission	5/8" roller chain.
Wire	10 mm - 3/8".
Wire speed	0,6 - 1,5 m/s / 2 – 5 ft.
PTO.shaft	540 r./min.
Weight	267 kg

TECHNICAL SPECIFICATIONS V-5021

Pulling power	5000 kg / 10023 lbs.
Clutch	385 cm ² / 0.4 sq. ft.
Transmission	5/8" roller chain.
Wire	10 mm - 3/8".
Wire speed	0,6 - 1,5 m/s / 2 – 5 ft.
PTO.shaft	540 r./min.
Weight	285 kg

TECHNICAL SPECIFICATIONS V-6521

Pulling power	6500 kg / 14300 lbs.
Clutch	500 cm ² / 0.5 sq. ft..
Transmission	2x5/8" roller chain.
Wire	11 mm - 7/16".
Wire speed	0,6 - 1,5 m/s / 2 – 5 ft.
PTO.shaft	540 r./min.
Weight	425 kg



SAFETY INSTRUCTIONS

The machines may only be used by qualified operators.

Before starting working, check that the tractor and the machines are standing on a fixed horizontal base. The owner and the user are responsible for the fact that no unauthorised persons are in the working area. The timber winch must be lowered to the ground when the winch is in operation.

The steel wire should be inspected daily, and if it is frayed it should be replaced.

Please note that steel wires, slides, end hooks, etc. that is used in connection with skidding timber are wearing parts and are therefore not covered by the guarantee.

The protective supplied must be fitted before you start the machine.

The connection pins at pos.2 page 1 (parts book), must be inspected for wear at regular intervals and at least twice a year. If necessary, they must be replaced, since the actuating lever may stick with worn pins.

FITTING

The forestry winch is mounted in the 3-point linkage of the tractor.

Adjust length of top-link to prevent the machine from hitting the driver's cabin.

Check length of PTO shaft both in working and transport position, shorten if necessary.

Fit the wire by leading it over the uppermost roller onto drum.

Fix onto drum by means of the lock no. 5 page 6.

Roll out the cable completely and stretch it while winding it onto the drum.

Screens removed for servicing the machine must be reinstalled before the machine is used again.

LUBRICATION AND MAINTENENCE

Lubricate the PTO shaft once daily.

Lubricate the chain once every week.

No oil on clutch lining (15509).

The turning plate at the top pulley has to be greased once every day.

INSTRUCTIONS FOR USE

Make sure that:

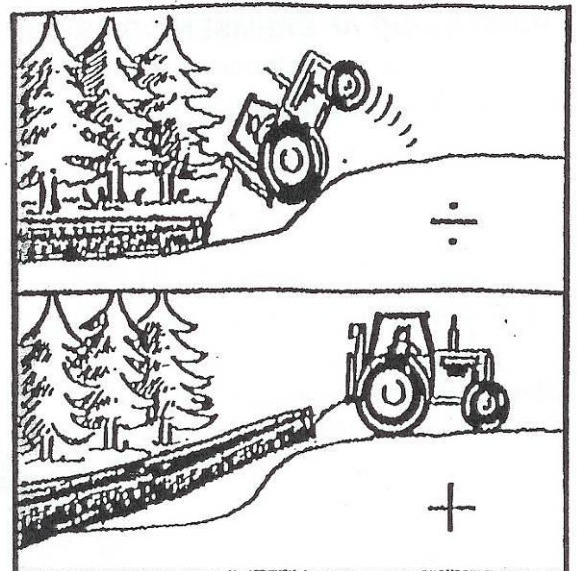
- the cable is properly fixed
- the cable is not damaged
- the PTO shaft is properly mounted and adapted in such a way that the angle of the PTO shaft is as small as possible.
- the clutch is properly adjusted so in the fact that the wire drum does not revolve until the clutch line is activated.

Winching:

Lower the winch so in the fact that it stands on the butt end plate, fit forestry chain onto the log, and fit the forestry chain either onto the hook or onto the slide on the cable, position yourself in a place you have good view, pull clutch line slowly. Do not transport logs directly in the cable, always use forestry chains.

Transport:

Place the logs on the chain beam and the forestry winch. Lift the winch.



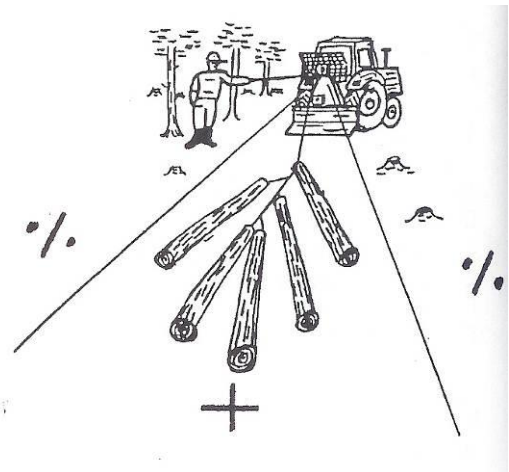
DANGER!

Read before operation this machine!

It is the owner's responsibility to instruct all equipment operators and support personnel in the operation of winch.

WARNING!

- 1) Do not attempt to operate this winch without proper training.
- 2) Do not operate this machine until the owner's manual has been completely read and understood.
New owner's manual are available from your Dealer or the factory phone + 45 98 63 21 22
If the warning decals become illegible, new decals can also be ordered.
- 3) Keep hands, feet and clothing away from power driven parts!
- 4) Ensure that the cable is in good conditions before operating the winch. If the cable breaks, parts of it can fly both toward and away from the winch. Ensure that all bystanders are out of reach of the cable when the winch is used.
- 5) Never handle cable without shutting of power-take off!
- 6) Do not transport logs direct in the cable - use the log towing bar.
- 7) This machine has been constructed to skid and push together timber that has been felled and is lying on the ground and may not be used for other purposes. The machine must not be used to pull vertical trees or trees that are wedged or jammed, as this is extremely dangerous.
- 8) Check moving parts. They should be fastened in place, in good working condition and all shields and guards must be in place.
- 9) Familiarize yourself with the controls and how to stop the winch and tractor in an emergency.
- 10) Do not let children or incapable persons operate the winch.
- 11) Do not wear loose clothing, loose sleeves, neckties or long uncovered hair around moving parts of machinery.
- 12) Park the winch and tractor on level ground for winching.
- 13) Operate the winch from a control rope at least 6 m. to the side of the machine.
Do not operate the winch from the tractor seat.
- 14) Ensure that other people do not become endangered when you are using the winch.
- 15) Do not leave the tractor running unattended.
- 16) Disengage the PTO and turn the tractor off before you service the winch. Remove the keys so the tractor cannot be started up accidentally.
- 17) Use only original Fransgård replacements parts, do not make any modifications.
- 18) Inform everyone who works with the winch about risks and how they can avoid accidents.
- 19) Stay alert! Do not operate when fatigued.
- 20) Do not winch at sideways angles exceeding 30 degrees (see drawing).
- 21) Failure to heed the warnings printed on the winch or in the owner's manual might result serious injury or death.
- 22) The tractor should not be set in motion without the "butt ends" of the logs (that have been winched) being raised off the ground. If this is not done and an obstacle hits the butt end of the log (s), then the tractor may turn over and severe injuries may result.

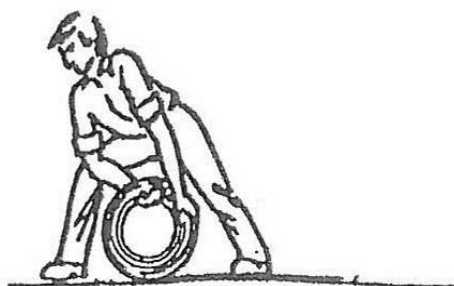
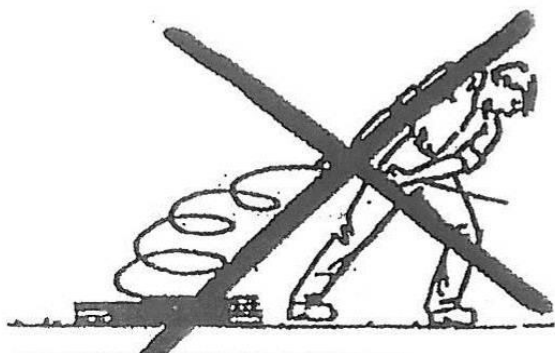


ADJUSTING THE CLUTCH

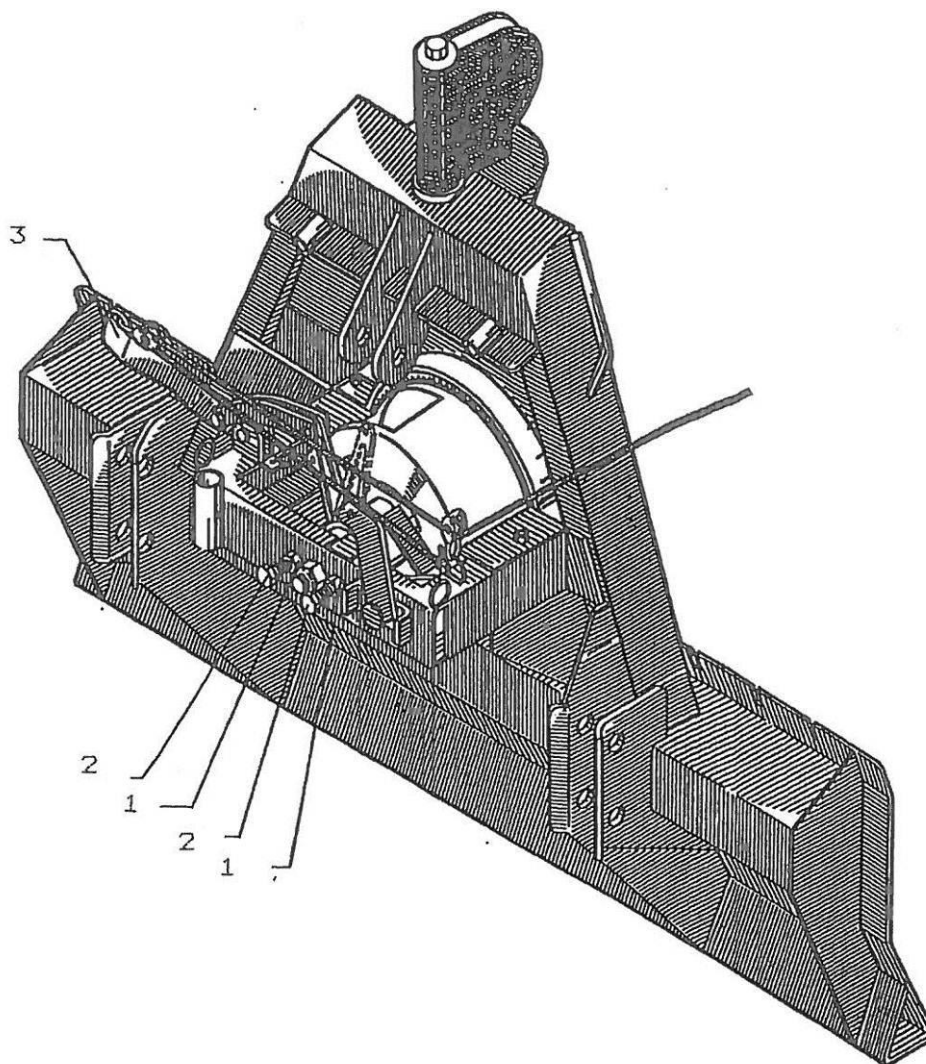
The clutch is adjusted at the factory.

If it is necessary to adjust it do so as follows:

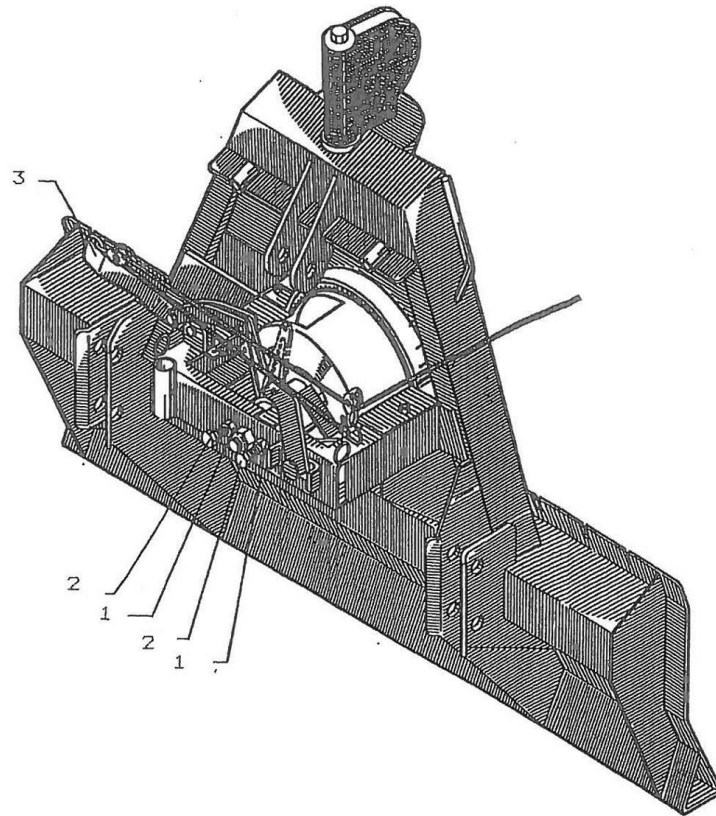
1. Loosen lock nut no. 53 and bolt no. 54.
2. Hold lever no. 20 against stop, tighten both bolts no. 54 until slight resistance is felt.
3. Release lever no. 20, turn both bolts no. 54 $3/4$ turn and tighten lock nut no. 53.



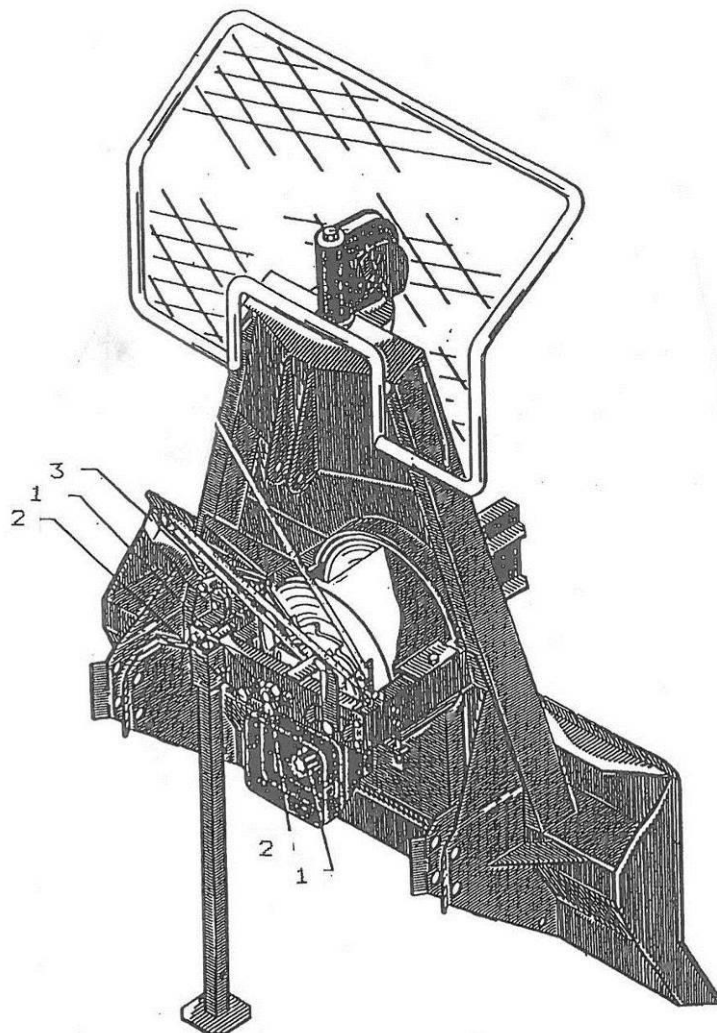
V-4021



V-5021



V-6521



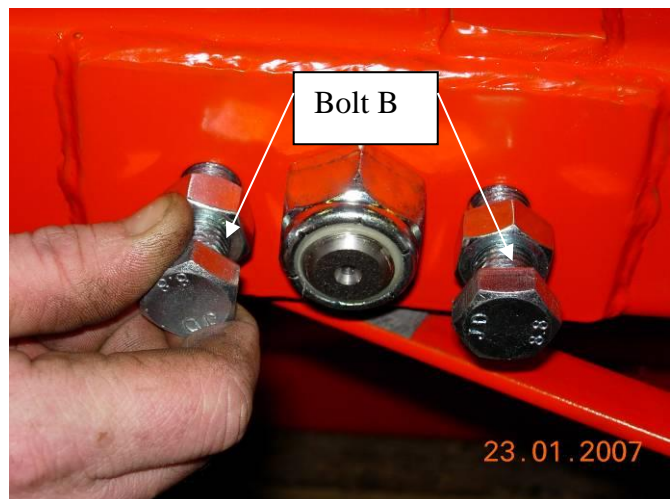
Clutch Adjustment for Fransgård forestry winches.

Basic adjustment – after changing lining, chain wheel and main shaft

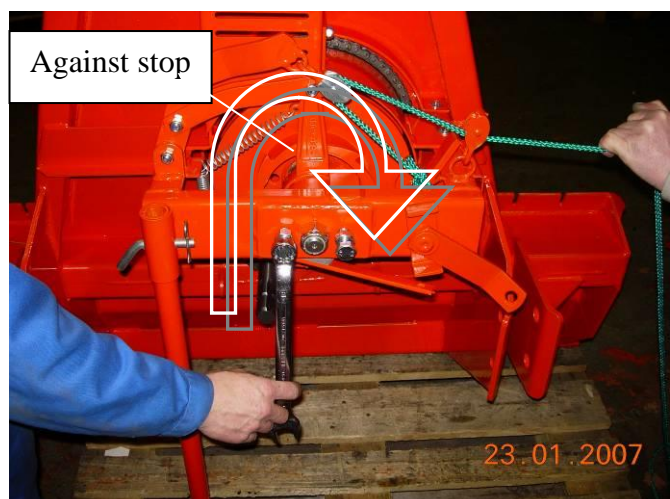
Make sure the large 1” lock nut (Nut C) is tightened and will not move on the main shaft when a load is applied on the winch.



Loosen the two clutch adjustment bolts (Bolt B).



Get someone to pull the green cord, so the clutch arm is up against the welded stop (this is with the maximum green cord pull).. Tighten the two clutch adjustment bolts (Bolt B) until you feel resistance.



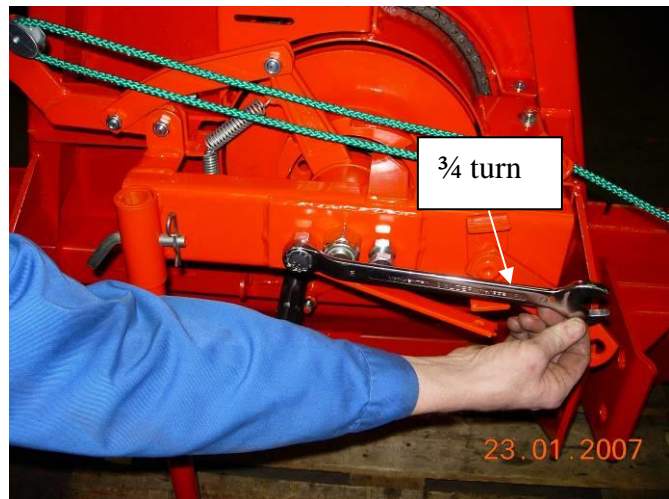
Clutch Adjustment for Fransgård forestry winches.

Basic adjustment – after changing lining, chain wheel and main shaft

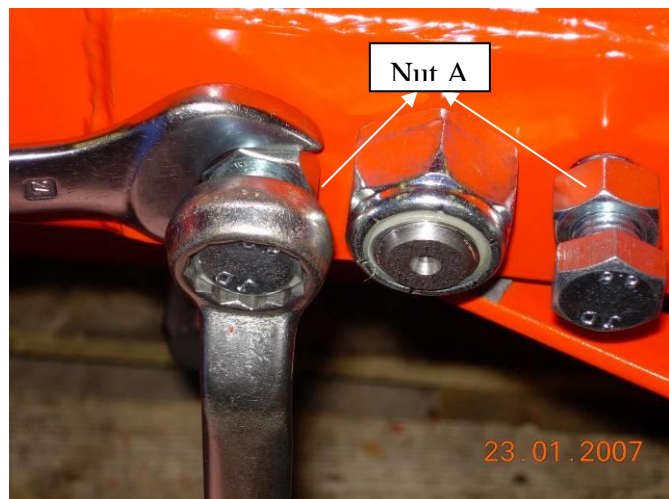
Release the green cord (so you do not pull anymore)

Tighten the two clutch adjustment bolts (Bolt B) with another $\frac{3}{4}$ turn clockwise (exactly) – **but no more.**

Now the clutch should be adjusted correctly – if the winch still does not pull enough, then tighten the two clutch adjustment bolts (Bolt B) another $\frac{1}{10}$ ” clockwise turn – but not more.



Tighten the two jam nuts (Nut A), so the two clutch adjustment bolts (Bolt B) do not move.



Grease the nylon pulley rollers with a WD40 type lubricant – This is very important, since it will make pulling the green cord up to 8-10 kg/17-22 lbs easier, Lubricate this nylon roller regularly.



Clutch Adjustment for Fransgård forestry winches.

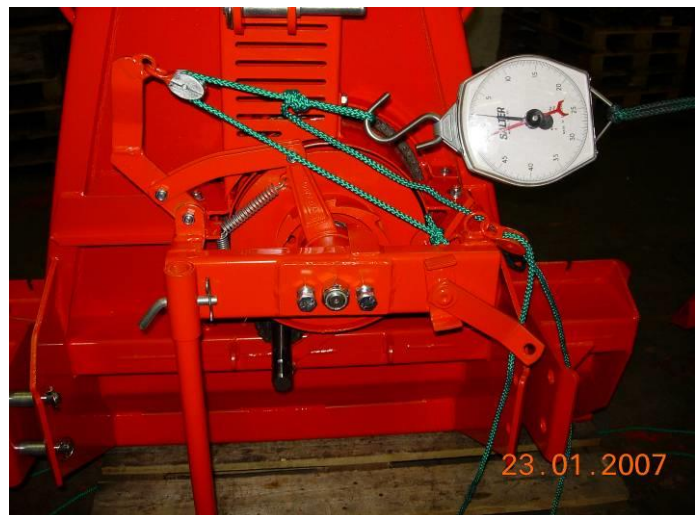
Basic adjustment – after changing lining, chain wheel and main shaft

Activate the clutch a few times by pulling the green cord to the stop, before you perform a test with the weighing scale.



You are able to test the correct clutch adjustment, by checking the weight of the pull to activate the green cord – make sure the clutch arm is pulled all the way to the welded stop each time.

See picture where the weight gauge is mounted on the green cord – again it is very important that the clutch arm be up tight against the welded stop.



Here are the different pull weights for the Fransgård forestry winches: **(This is the required pulling weight measured, just before the clutch arm goes against the welded stop)**

V-3021: 32 kg / 70 lbs

V-3521: 34 kg / 74 lbs

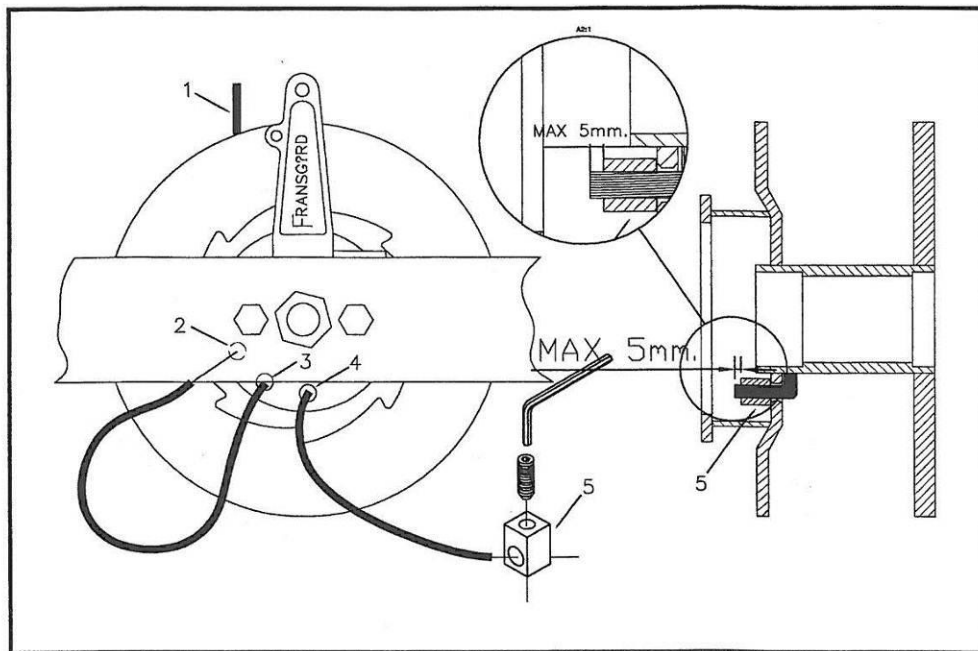
V-4021: 33 kg / 72 lbs

V-5021: 34 kg / 74 lbs

V-6521: 37 kg / 81 lbs

These are the ideal clutch pressure requirements per each different model





Instructions for mounting the wire.

- 1.) Pull about 1 metre of the wire **1** out through hole **2** and back through hole **3** and out through hole **4**.
- 2.) Mount the wire fixing block **5** (making sure that only 5 mm of the wire are introduced into the fixing block) and fasten with the allen screw and the unbraco wrench supplied.
- 3.) Then pull the wire back so in fact that the wire fixing block is inside of the toothed rim and close to hole **4**.

EC Declaration of Conformity

7. december 2020

Manufacturer

Name: Fransgård Maskinfabrik A/S
Address: Fredbjergvej 130, Fredbjerg
DK 9640 Farsø
Country: Danmark
Telephone: +45 98632122

which itself brings together the technical file

hereby declare that

Product

No.: V-4021
Name: V-4021 Skovspil
Type: V-4021 Skovspil
Serial no.:
Company Name:

is in conformity with

Directive 2006/42/EC of the European Parliament and of the Council of 17
May 2006 on machinery

Position: Udviklingschef
Name: Bjørn V. Kristensen
Company Name: Fransgård
Maskinfabrik A/S

Date

Signature

Bjørn V. Kristensen

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7. december 2020

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Country: Danmark
Telephone: +45 98632122

**which itself brings together the technical file
hereby declare that**

Product

No.: V-5021
Name: V-5021 Skovspil
Type: V-5021 Skovspil
Serial no.: .
Company Name:

is in conformity with

Directive 2006/42/EC of the European Parliament and of the Council of 17
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