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OPERATING INSTRUCTIONS

LOGGING WINCH

EGV 45AHK, EGV 45AHKSG,

EGV 55AHK, EGV 55AHK 1.8M, EGV 55AHK SG,
EGV 55AHK 1.8M SG,

EGV 65AHK, EGV 65AHK 1.8M, EGV 65AHK 2.05M,
EGV 65AHK SG, EGV 65AHK 1.8M SG, EGV 65AHK 2.05M SG,

EGV 65AHK ZS, EGV 65AHK ZS SG,
EGV 65AHK ZS 1.8M, EGV 65AHK ZS 1.8M SG,
EGV 65AHK ZS 2.05M, EGV 65AHK ZS 2.05M SG,

EGV 85AHK, EGV 85AHK 1.95M, EGV 85AHK 2.05M,
EGV 85AHK SG, EGV 85AHK 1.95M SG, EGV 85AHK 2.05M SG.

45AHK	55AHK	65AHK	85AHK
45AHKSG	55AHKSG	65AHKSG	85AHKSG
		65AHKZS	
		65AHKZSSG	

ISO 9001 Q-2295

Ver.: 3.1

10/2009 - ENG

Please read operating instructions carefully before installing and using the logging winch.

1. GENERAL

Dear Customer,

By purchasing our winch, you obtained the equipment which will provide you with great help in your work. To make operating the machine as safe and pleasant as possible, please carefully read this operating instructions and follow the safety and maintenance guidelines.
We would like to thank you for your trust and wish you great satisfaction in your work.

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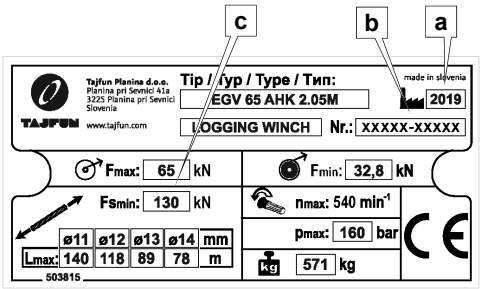
1.2. TECHNICAL DATA .

	EGV 45 AHK	EGV 55 AHK	EGV 65 AHK	EGV 85 AHK
Nominal Pulling Power (max)	*45 kN*	*55 kN*	*65 kN*	*85 kN*
Pulling Power at a Full Drum	*22.4 kN*	*27.9 kN*	*32.8 kN*	*39.5 kN*
Brake Power	*56 kN*	*69 kN*	*81 kN*	*106 kN*
Pulling Speed (at 540 rpm — PTO shaft)	*(0.54 - 1.08) m/s*	*(0.54 - 1.07) m/s*	*(0.50 - 0.99) m/s*	*(0.51 - 1.10) m/s*
Gear Ratio	*1 : 8.89*	*1 : 8.89*	*1 : 10.80*	*1 : 10.67*
Required Drive Power	*(15 - 37) kW*	*(25 - 52) kW*	*(37 - 66) kW*	*(52 -100) kW*
Wire Rope Length - Drum Capacity	*∅ 9 / 125 m, ∅ 10 / 94 m, ∅ 11 / 78 m, ∅ 12 / 61 m.*	*∅ 10 / 95 m, ∅ 11 / 78 m, ∅ 12 / 61 m, ∅ 13 / 56 m.*	*∅ 11 / 140 m, ∅ 12 / 118m, ∅ 13 / 89 m, ∅ 14 / 78 m.*	*∅ 13 / 110 m, ∅ 14 / 106 m, ∅ 15 / 86 m.*
Wire Rope Min. Brake Point (F_{Smin})	*90 kN*	*110 kN*	*130 kN*	*170 kN*
Width	*1400 mm*	*1500 mm*	*1660 mm*	*1800 mm*
Length	*525 mm*	*565 mm*	*670 mm*	*680 mm*
Height without protective net	*1260 mm*	*1510 mm*	*1660 mm*	*1710 mm*
Height with protective net	*2300 mm*	*2300 mm*	*2300 mm*	*2300 mm*
Transport Height	*1361 mm*	*1600 mm*	*1729 mm*	*1780 mm*
Max. Operating Noise	*70 dB (A)*	*70 dB (A)*	*70 dB (A)*	*70 dB (A)*
Weight	*350 kg*	*365 kg*	*540 kg*	*590 kg*
Operating pressure	*145 - 160 bar*	*145 - 160 bar*	*145 - 160 bar*	*145 - 160 bar*
Oil viscosity	*46 mm^2/s at 40˚C*	*46 mm^2/s at 40˚C*	*46 mm^2/s at 40˚C*	*46 mm^2/s at 40˚C*
Oil reservoir volume	*1.8 l*	*1.8 l*	*2.8 l*	*2.8 l*

1.3. TYPE PLATE .



a	Year of Manufacture
b	Serial Number
c	Wire Rope Min. Break Point

2. SAFETY INSTRUCTIONS

2.1. GENERAL SAFETY INSTRUCTIONS .

In order to protect yourself against the risk of personal injury, electrocution, and fire, the following instructions must be observed when using the winch.

Before starting work, carefully read the following instructions!

- ***Work safely! Follow all operating instructions and accident prevention instructions to. Also comply with any relevant laws or other regulations and standards for forestry work.***
- ***The winch may only be used by persons who are familiar with its operation, the possible hazards, and the instructions for use.***
- ***Using the winch without an emergency call system is strictly forbidden.***
- ***Persons under the influence of drugs or medication that affect or may affect physical and mental fitness, may not operate or maintain the winch.***
- ***The winch may only be operated by qualified persons over the age of 18 years!***
- ***Work carefully! Improper use of the winch may lead to severe injury due to the moving parts!***
- ***Keep the working area clean and orderly!***
- ***Do not reach into the danger area of the winch during work (e.g. between the winch and the tractor/the winch drive)!***
- ***It is necessary to make a visual inspection and check the proper operation of the winch before use, at least once per working day. Resolve any deficiencies immediately! The winch should be inspected by a qualified person (authorised service centre) at least once per year. You may only use a winch that is in flawless condition.***
- ***We recommend the use of a logbook to record all winch services and inspections***
- ***Before any cleaning, troubleshooting, or maintenance work on the which:***
    - ***shut off the winch drive. Shutting off the PTO drive is not enough; you must also switch off the drive motor of the device;***
    - ***turn off the power supply;***
    - ***lower the winch to the ground and disconnect the PTO.***
- ***Observe all traffic rules and regulations for vehicle parts or equipment in the country of use.***
- ***The transportation of people on the winch is prohibited.***
- ***The winch connection is a working tool and must not be used on public roads.***

2.2. SPECIAL SAFETY INSTRUCTIONS .

- ***All winch protective devices (protective nets, covers, etc.) must be properly installed, and should never be changed before operation!***
- ***Replace a damaged cable or plug immediately.***
- ***Use PTOs with a proper transfer power (min. 25 kW) with undamaged protection! The PTO shaft must be properly protected.***
- ***The load capacity of the attachments (e.g.: forestry chain, hook, slider) and fastening (e.g.: snatch block, load belt) gear must be in accordance with the traction force of the winch.***
- ***Damaged attachments and fastening tools must be replaced immediately!***
- ***Pulling ropes must be strong enough and in accordance with the data on the winch type plate and the winch specifications. The minimum wire rope breaking force must be at least twice as high as the maximum pulling power of the winch.***
- ***A damaged pulling rope must be replaced immediately!***
- ***Use pulling ropes of an appropriate length (See section: Technical data)!***
- ***Wire rope must always be wound tightly on the drum (See section: Coiling the wire rope tightly onto the drum).***
- ***The drive machine (e.g. tractor) to which the winch is connected must be in perfect technical condition. We recommend that the machine is adequately equipped (e.g.: additional cab protection, chassis protection) for forestry work.***
- ***The drive machine must have an adequate tyre tread depth that complies with the applicable law and traffic regulations. Install snow chains, if necessary. The use of snow chains on slippery, snowy, or icy terrain is mandatory.***
- ***Use personal protective equipment (protective clothing, gloves, forestry shoes, helmet)!***
- ***Do not wear loose clothing!***

2.3. INSTRUCTIONS FOR SAFE WORK .

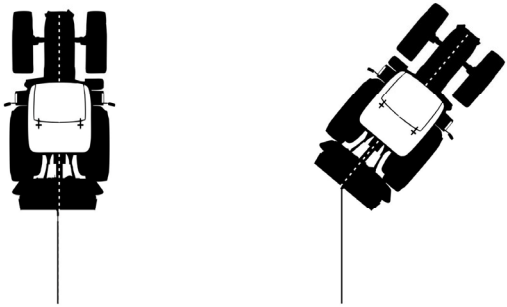
Working with the winch is challenging and dangerous, therefore it requires full concentration and vigilance. For the safe performance of the required work, observe the following instructions:

- ***Always connect and disconnect the winch on a level and hard surface.***
- ***Prior to pulling and during the use of the winch, the operator must ensure that no people or other objects are present in the working area.***
- ***The winch operator must be careful not to fully unwind the pulling rope under load. There must be enough rope to make at least five more rotations (except in dangerous situations).***
- ***The operator must observe the load at all times during pulling. If the operator cannot observe the entire pulling path from the seat, the load must be observed by an assistant with whom the operator is in constant contact. The assistant communicates with the operator with previously agreed signs (see picture below).***

1	Pull
2	Stop
3	Brake release

If you cannot recognise the sign, STOP the working process!!

- ***Particular attention must be paid to the correct and safe attachment of loads to the pulling rope. The assistant must not start the attachment process until the tractor or winch operator has been informed of his intention!***
- ***Before working, the tractor must be properly anchored with a protective winch board which is pressed into the ground. If soft ground does not provide sufficient support on steeper slopes or when pulling heavier loads, the tractor must be anchored with an additional rope or chain to prevent the tractor from slipping or even tipping over! Additional anchoring is also required if the operator cannot see the tractor.***
- ***In order to prevent accidents, load size, as well as tractor and winch capacity and terrain characteristics (slope, soil composition, etc.) must also be taken into account when working with a tractor and winch.***



Ideal position **Wrong - DANGEROUS**

- ***Use the lower winch pulley especially for heavier loads; this secures the risk of the tractor tipping over. Always make sure that the rope is properly unwinding from the pulley.***
- ***During unloading, be careful to approach the load only when the rope or brake has been released.***
- ***Before leaving the driver's cab to operate the winch, the operator must ensure that:***
  - ***the winch is lowered and securely anchored to the ground;***
  - ***the tractor parking brake is activated;***
  - ***the tractor is in the park position.***
- ***During uncoupling, the winch must be placed on a solid and level surface. First, place the support legs in the correct support position, then store the PTO on the dedicated holder.***

2.4. DANGEROUS AREA .

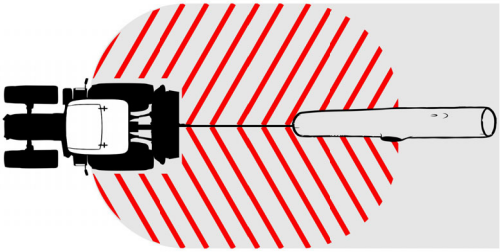
- ***The winch may only be operated from a safe place that ensures that the machine itself, the load, the rope, or any other object cannot hit the operator in case the pulling rope (or any of the devices for tying and securing loads) breaks. The operator seat of the tractor is considered to be a safe place to operate the winch, if a suitable protective net is correctly installed between the winch and the driver's seat.***
- ***Operation of the winch from close range (up to 5 m) outside the tractor cab is only permitted if this location is secured with appropriate protection.***
- ***Standing behind a larger tree is also considered a suitable safe place to operate the winch from an appropriate distance.***
- **Do not stand in the dangerous work area of the winch during operation.**

The most common dangerous areas are:

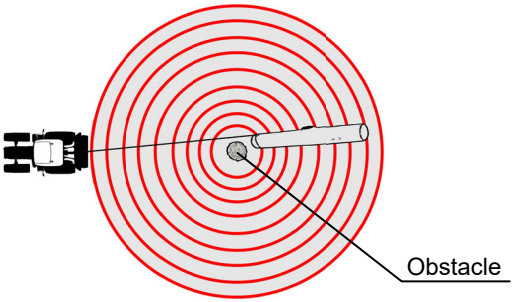
The following examples are helpful for understanding individual hazards that can also occur SIMULTANEOUSLY and need to be taken into account.

1. ***Area within 5 m along the pulling rope.***

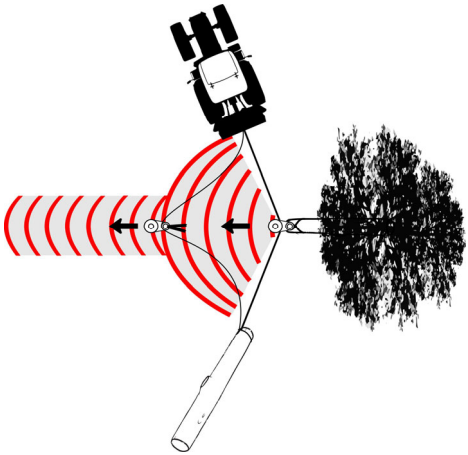
DANGEROUS AREA:



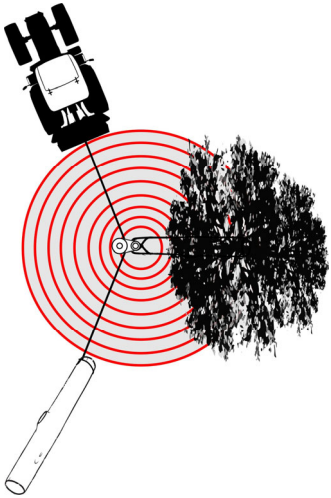
2.
   - ***If the load hits another object during pulling, the vicinity of these objects presents a dangerous area as well (e.g.: dry branches falling from the trees).***
   - ***An area inside a circle with centre at an obstacle and a radius greater than the length of the attached load.***



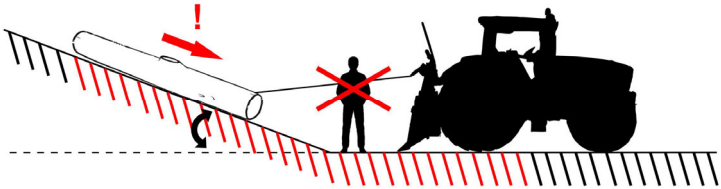
3. • ***When working with the snatch block, do not stay in the "danger triangle" between the winch, the snatch block, and the load, where there is a danger in case of breakage of the load belt or the snatch block.***



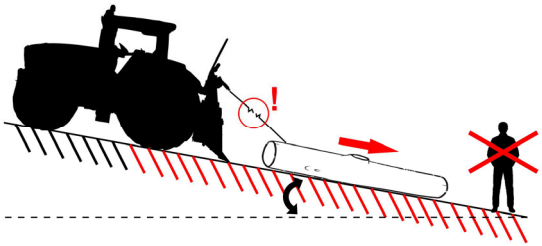
• ***Also, do not stay in the areas where there is a greater danger in the event of a pulling rope breakage or any other attachment device (e.g.: hook, forestry chain, slider).***



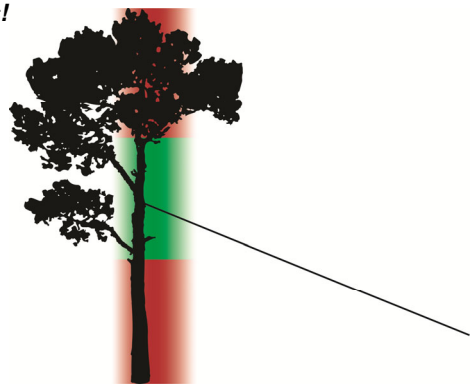
4. • ***The area of a potential load slip due to terrain characteristics (e.g. downhill position, side slipping) or a pulling rope breakage (or any other load lashing elements).***



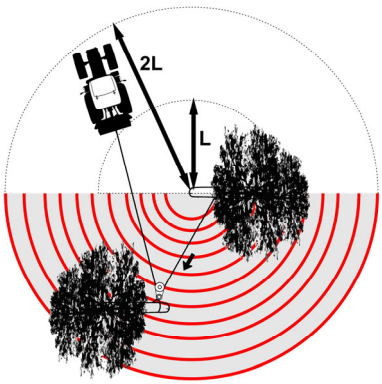
- ***Do not stand under the attached load while pulling the load up or down the slope, even if the load is secured on a tightened rope.***



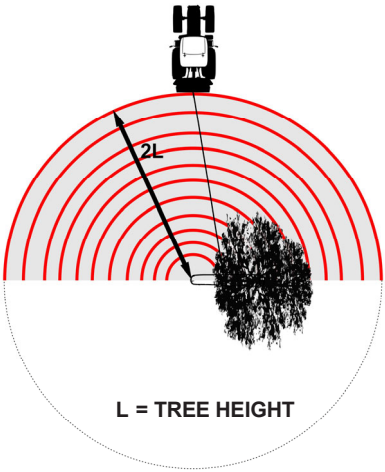
5. - ***When securing a standing tree, the pulling rope must be attached to the three on the upper 2/3 of its height, and tensioned before starting the felling process. Position yourself with the winch outside the dangerous area, at a distance of twice the height of the tree. If you use a snatch block to reverse the direction of felling, the dangerous area is up to the distance of the height of a single tree. When using the snatch block, do not stay in the "danger triangle" or other dangerous areas!***



Logging with a winch
REDIRECTED ATTACHMENT



Logging with a winch
DIRECT ATTACHMENT



2.5. OTHER DANGERS .

Even if all safety precautions are followed and the winch is used according to the instructions, some risks remain:

- ***danger of injury due to the moving parts of the winch;***
- ***injury from flying wood particles;***
- ***human error (excessive physical exertion, psychical and psychological stress, exhaustion, etc.).***

2.6. INTENDED USE .

The logging winch is intended for use in forestry, mainly for hauling wood. It is designed to be used as a three-point hitch of a suitable drive machine (e.g. tractor). **The winch may only be used for ground pulling work.** ***In order to guarantee proper use, all instructions for use must be followed.***

2.7. IMPROPER USE OF THE WINCH .

Lifting or lowering loads with the winch is forbidden.

Any other uses of the winch than those described in the previous section are considered incorrect, and are therefore prohibited. Tajfun accepts no liability for any possible damage resulting from such use.

3. CONNECTING THE WINCH

Mount the winch to the three point linkage system of the tractor by using three coupling pins. The lower links of the tractor must be attached with screws to prevent the transverse movement of the winch.

- The winch is driven by a PTO shaft, which should correspond to necessary drive power of the winch - see Technical Data - chapter 1.2.
- Prior to work, lift the supporting legs of the winch

When first mounting the winch, check the P.T.O. shaft length.
Check the P.T.O. shaft length, by lifting and lowering the winch to determine the shortest distance between the connecting shafts. In this position the tubes of the mounted P.T.O shaft should be approx. 20 mm shorter.

In case P.T.O. shaft is too long, it must be shortened:
- Saw off steel and plastic tubes on both ends to the same length. Afterwards file down, clean and grease the edges.

When using our machines, we recommend Tajfun PTO Shafts:

Model	Dimensions	Compatibility
PTO Shafts C Line-T 2BR+KK560	1 3/8″Z6 - 1 3/8″Z6;L_{KK} = 560	EGV 35 A, EGV 45 A
PTO Shafts C Line-T 4BR+KK560	1 3/8″Z6 - 1 3/8″Z6;L_{KK} = 560	EGV 45 AHK, EGV 55 A, EGV 55 AHK, EGV 65 A, EGV 65 AHK, EGV 65 AHK ZS
PTO Shafts C Line-T 6BR+KK560	1 3/8″Z6 - 1 3/8″Z6;L_{KK} = 560	EGV 85 A, EGV 85 AHK, EGV 105 AHK, DGV 2X55 AHK

Always place the winch on the level surface. After disconnecting the winch from the tractor, PTO shaft may remain mounted to the winch and laid on the hook.

3.1. CONTROL CONSOLE (Diagram, Page 12)

Connect the winch power cable into the tractor electrical socket (See: Electrical diagram A, page: 12). Connect the control console into the socket on the winch.

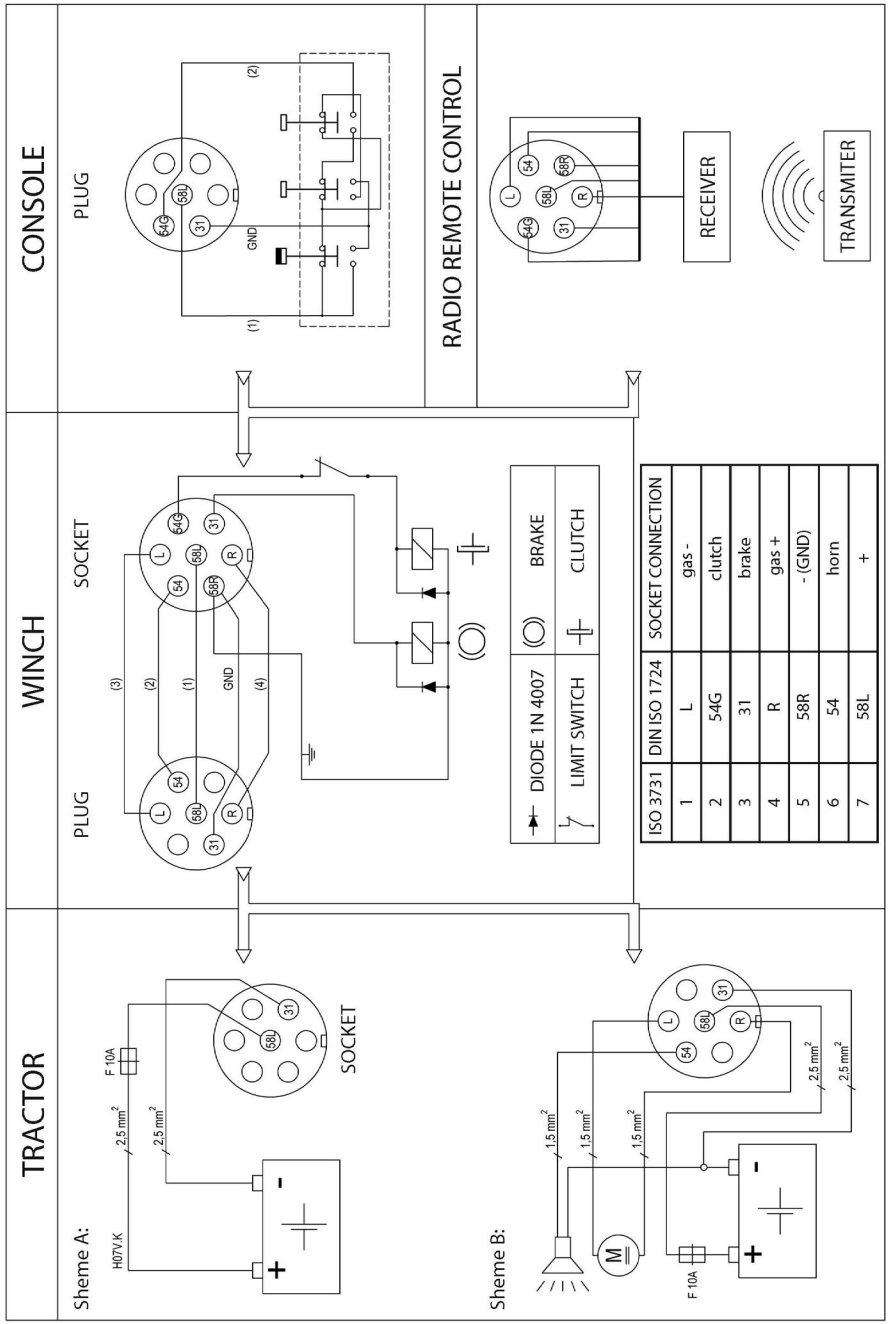
Before beginning of work turn tractor position lights ON.

3.2. RADIO REMOTE CONTROL (Diagram, Page 12)

Hydraulic winch can also be controlled using radio remote control. To enable radio remote control, instead of plugging in the control console, plug the radio remote control receiver into the socket on the winch.
Connect the winch power cable:

- To the tractor socket (See: Electrical diagram A, Page 12);
- to a dedicated tractor socket, to which the horn and speed control are also connected (See: Electrical diagram B, Page 12).

Observe radio remote control unit manufacturer's instructions!
Use a radio remote control device that complies with DIN EN 17067.



Check that the power source provides 12 V voltage and current protection with 10 A fuses, otherwise the electrical system may malfunction. The minimum cross-section of a single wire from the power source must be at least 2,5 mm².

4. FUNCTION AND OPERATION OF THE WINCH

Observe all safety instructions (Chapter: 2.)!
Also follow important tips in the frames!

4.1. RELEASE THE WIRE ROPE (PERMANENT BRAKE RELEASE) (Figure 4)

Control Console **Type A**:

By switching on the **»Wire rope release«** switch on the control console, release the brake band so that the drum is released, too, to turn freely. The wire rope can be pulled off the drum. Make sure that the wire rope pulling power is set correctly (Chapter: 4.5).

As long as the **»Wire rope release«** switch is ON, the remaining bottoms on the control console are out of function.

Control Console **Type B**:
Push and hold the **»Brake release«** button on the control console, to release the brake band and allow drum rotation. Now, the wire rope can be pulled off the drum. Make sure that the wire rope pulling power is set correctly (Chapter: 4.5.).
Push the **»Pull«** button to stop the wire rope release.

When pulling the wire rope use constant force without jerking which may cause the loosening of the wire rope on the drum and building loops.

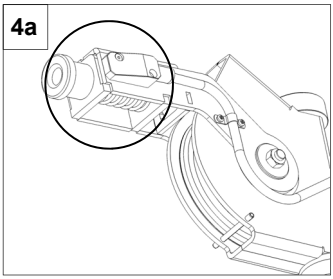
When uncoiling the wire rope off the drum, be careful not to rip it off at the connecting point.

4.2. PULLING (COILING THE WIRE ROPE) (Figure: 4)

Control Console **Type A**:
By switching off the **»Wire rope release«** switch and pushing the **»Pull«** button on the control console the winch starts to pull. When the **»Pull«** button is released, the pulling is interrupted. During the interruption, the brake band automatically switches on and prevents the load from sliding when the pulling is stopped.

Control Console **Type B**:
By pushing the »**Pull«** button on the control console the pulling is engaged. **The pulling is stopped** when you release the »**Pull«** button on the control console.
The brake prevents the load from sliding backwards when pulling is stopped.

4a



Limit switch (Fig. 4a) automatically shuts down pulling, when rope is fully coiled.

When limit switch shuts down pulling, you must pull out approx. 15 cm of rope to release limit switch spring.

Although the power of the PTO shaft drive remains constant, the pulling power changes.

It is useful to know that at the constant drive power, the pulling power depends on the length of the wire rope coiled to the drum. The strongest pulling power is achieved at the first layer of coils. By multilayer coiling the pulling power decreases progressively. The pulling power changes in inverse proportion to the pulling speed, which is highest when the wire rope if fully coiled.

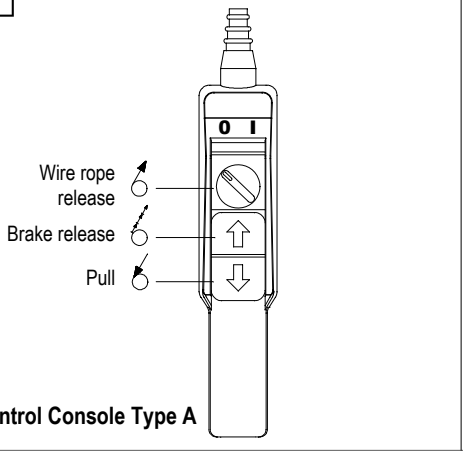
The nominal pulling is the highest power achieved by the winch with the first layer of coils on the drum. It is defined in the technical data section of this operating instructions and on the type plate of each winch. By increasing the number of coil layers on the drum, the pulling power decreases. With the full drum the pulling power comes to 50 % to 60 % of the nominal pulling power.

4.3. RELEASING THE WIRE ROPE UNDER LOAD (Figure 4)

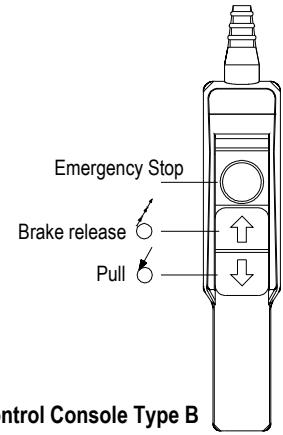
The brake prevents tied load from sliding back, when you stop the pull. To release the stretched wire rope, **quickly** push and release the »**brake release**« button repeatedly to prevent the drum from uncoiling suddenly and loosening the coiled wire rope.

- If the wire rope on the drum gets loose, the outer coils of the wire rope get under the inner coils at the repeated pulling, and the wire rope gets damaged quickly.
- (See: Coiling the wire rope tightly onto the drum.: 4.4.1.).

4



Control Console Type A



Control Console Type B

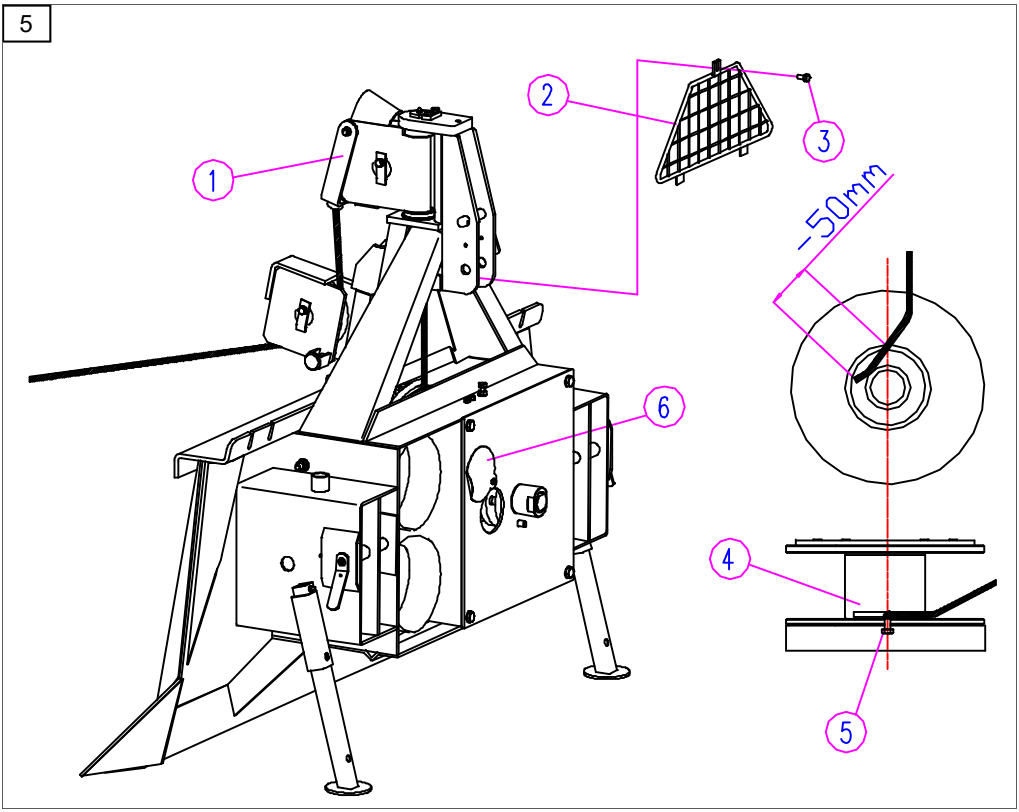
EMERGENCY STOP (Control Console **Type B**)

By pushing the »**Emergency Stop**« button, the pulling and wire rope release functions are stopped. The button mechanically locks in the pushed position. In this position the pulling or wire rope release functions do not work. Turn the button slightly to the right to disengage the emergency stop. In case any function button is pushed when the emergency stop is disengaged, the machine will detect the malfunction and prevent the »pushed« button from operating.

4.4. INSTALLING A NEW WIRE ROPE (Figure 5)

- If the winch is mounted to a tractor, first disconnect the PTO shaft, and switch of the tractor engine
- Remove the triangular shield **2** by unscrewing the screw **3**
- Remove the cover **6**
- Turn the drum to the position which will enable you to reach screw **5** through the opening
- By using the ring spanner No 19 partly unscrew screw **5** and pull out the old wire rope
- Pass the wire rope through the upper pulley **1** into the winch to the outer sidewall of the drum. Slide the wire rope approximately 50 mm into the opening in the drum hub **4**
- Fasten the wire fixing screw **5**
- Reinstall the cover **6** to close the opening and install the triangular shield **2**
- **Coil up the wire rope onto the drum tightly (Chapter: 4.4.1.).**

5



4.4.1. COILING THE WIRE ROPE TIGHTLY ONTO THE DRUM

First, uncoil the wire rope completely and check its quality. Afterwards push the "**Pull**" button to coil up the wire rope onto the drum (Figure: 4).
Pay attention to coil the first five coils using minimum force and the rest of the wire rope using higher force.
You can achieve this in two ways:

- By pulling the load;
- By fastening the wire rope to a fixed object, so that the tractor is pulled towards this object. It is recommended to do this on a slight incline, so the tractor is pulled uphill, or by braking slightly.

WARNING: The wire rope must always be tightly coiled up onto the drum - before starting the work with a new winch it is necessary to uncoil the wire rope completely without any load, check its quality and tightly coil it back onto the drum: first five coils should be coiled by using minimum load and the rest of the wire rope using higher load!

When uncoiling the wire rope off the drum, be careful not to rip it off at the connecting point.

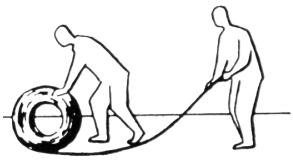
4.4.2. WIRE ROPE QUALITY

- Only unused wire rope can be reclaimed.
- Use only attested wire rope with a minimum brake point, specified in the technical data (Chapter: 1.2.).
- The wire rope must not be longer than maximum length, specified in the technical data (Chapter: 1.2.).

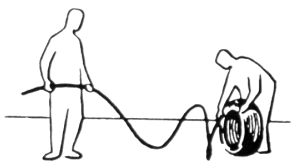
4.4.3. WIRE ROPE UNCOILING (Figure: 6)

WARNING:
When handling the rope, pay attention that the wire rope does not make loops when coiling or uncoiling it.

6



Correct



Incorrect

4.5. SETTING THE WIRE ROPE RELEASE POWER (Figure: 8)

The wire rope release power must be set correctly, so the drum stops immediately after releasing the wire rope. This prevents the wire rope on the drum from releasing by itself.

Set the wire rope release power using the wing nut **41**

- By screwing or unscrewing the wing nut **41**, the wire rope release power increases or decreases.

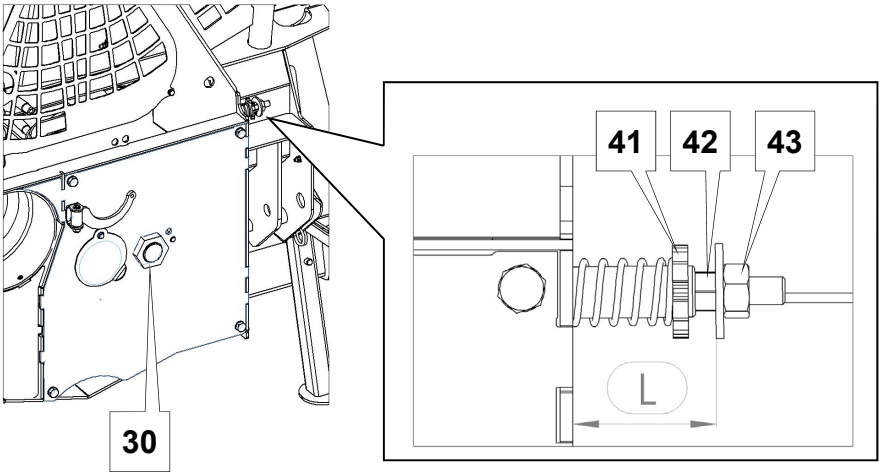
4.6. SETTING THE WINCH BRAKE POWER (Figure: 8)

The brake band is factory set to the brake power which is 25 % higher than the nominal pulling power of the winch. The brake power changes due to the wear of the brake band lining and has to be readjusted periodically. Properly adjusted brake band prevents the load from sliding backwards when in the »**ON**« position and allows pulling the wire rope out of the winch, when the brake handle is in the »**OFF**« - »**permanent brake release**« position.

- Set the brake power by screwing or unscrewing the drawn cup **42**, to reach the distance **L.** (**Distance »L« is only an orientation point for approximate setting of brake power.** Exact setting can only be achieved by using a measuring instrument).
- By screwing the drawn cup **42** from its starting position, you increase the brake power, and vice versa.
- Using spanner No 19 screw the counter nut **43** to prevent unscrewing of the drawn cup **42.**

	EGV 45 AHK	**EGV 55 AHK**	**EGV 65 AHK**	**EGV 85 AHK**
L	52 mm	52 mm	52 mm	50 mm

8



4.7. SETTING THE CLUTCH CYLINDER STROKE (Figure: 8)

By pushing the »**Pull**« button, clutch cylinder **8** pushes the drum towards the clutch which starts to turn. When you release the button, the drum returns to its original position. This axial cylinder stroke must be minimal and never larger than 5 mm. When the clutch gradually wears-off, the stroke must be lowered. Therefore it is recommended to control the clutch cylinder stroke constantly.

- The drum stroke adjustment is performed in “PERMANENT BRAKE RELEASE” position
- Screw the nut **30** to the right until the drum starts to turn (P.T.O shaft must be connected), without pushing the »**Pull**« button
- Turn the nut **30** slightly to the left until the drum stops turning
- To prevent unwanted pulling turn the nut **30** an aditional 3/4 turn to the left
- Check the stroke.

WARNING:
In case the clutch cylinder stroke increases over 7 mm the oil may start leaking around the piston.

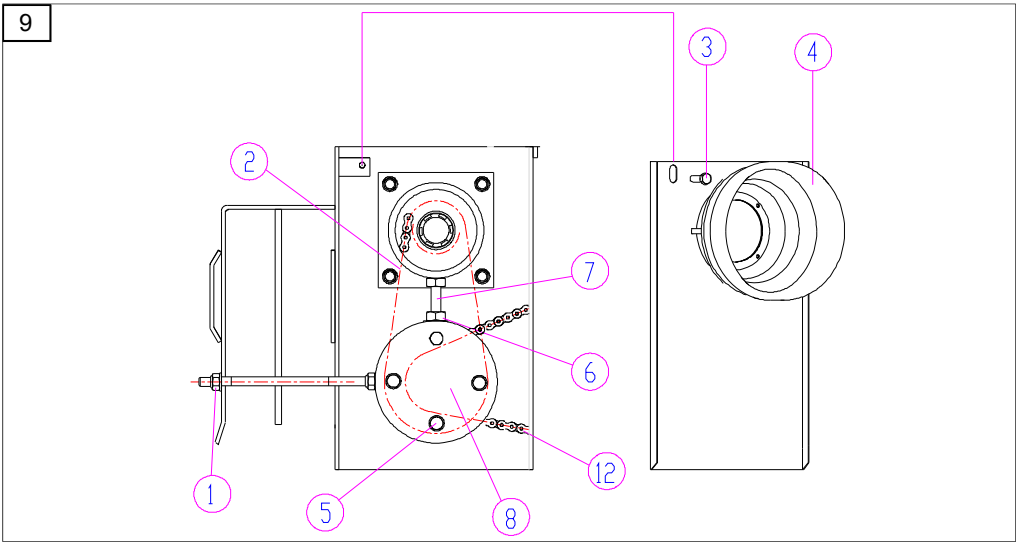
4.8. CHECKING AND TIGHTENING THE DRIVE CHAIN (Figure 9)

During the operation and under the load, the drive chain stretches, therefore the operator must check and readjust the chain periodically to prevent excessive wear of the whole chain drive. The chain must not be set to tight and chain slack should be set 1 to 3 mm. The shorther chain should allow ±1 mm slack and the longer chain ±3 mm. Check the tightness of the chain by hand, pushing the chain between the chain wheels.

Procedure:

- If the winch is connected to the tractor, shut down the tractor and disconnect the PTO shaft.
- Unscrew the screw **3** and remove the chain cover **4** by pushing it upwards.
- Loosen both screws **5** by approximately one turn, to move the drive chassis **8**.
- First tighten the shorter chain **2** using the tensioning screw **7** and counter nut **6**. Screw the counter nut tightly, afterwards. The slack of the shorter chain should be ±1 mm.
- Tighten the longer chain **12** by screwing the nut on the tightening screw **1** until you reach the desired chain slack: ±3 mm.
- Screw the screws **5** tightly.
- Lubricate the chain using special chain lubrication spray.

9



5. SERVICING AND MAINTAINING THE WINCH

Regular and proper maintenance is necessary for trouble free and long-life operation of the winch.

5.1. TROUBLESHOOTING

PROBLEM :	POSSIBLE CAUSES:	ACTION:
The winch does not react to controls when you push the button on the control console (or by pushing the buttons on the remote control, when controlling the winch remotely).	Not enough pressure in the hydraulic system.	Check if the winch drive is engaged (PTO shaft must be connected, otherwise the pump does not function) Check the oil quantity in the reservoir.
	System is not powered.	Check the electrical connection on the tractor and check if tractor position lights are lit (check the remote control battery) Check and clean the corroded battery contacts, if necessary.
	The control valve does not work.	Check if the system is powered (see the solution above) In case the control valve is only blocked temporarily, you can unblock it by pushing the control console buttons and magnet push-caps simultaneously. The push-caps are located in the middle of the magnet surfaces.

PROBLEM	POSSIBLE CAUSES	ACTION
The winch pulling power is low.	Too much wire rope on the drum.	(Chapter: 4.2., 4.4.).
	Greasy clutch plates (improper chain drive lubrication).	Clean the surface of the clutch plates or replace the clutch plates. ⊗
	Worn out clutch plates.	Replace the clutch plates. ⊗
	Damaged driving component of the winch.	Replace the damaged components. ⊗
	Low oil pressure.	⊗
Oil pressure under 145 bar.	Not enough oil in the reservoir.	Check the reservoir oil level and add the oil if necessary, Find and seal the eventual oil leakage.
Too low oil pressure.	Pump malfunction.	
	Incorrectly adjusted operating pressure.	
	Not enough oil in the reservoir.	Contact the service department. ⊗
Sudden pressure loss when winch is not operating.	Non-return valve malfunction.	
	Seat unloading valve malfunction.	
	Control valve malfunction.	
	Pressure accumulator malfunction.	Contact the service department. ⊗
The brake force is incorrect.	Incorrectly adjusted brake.	Set the brake power according to the instructions (Chapter: 4.6.).
	Brake band lining is greasy.	Clean the brake band lining and the drum surface. ⊗
	Damaged brake mechanism.	Replace the damaged parts. ⊗
	Worn out brake band.	Replace the brake band. ⊗
Wire rope is hard to pull out.	Incorrectly set wire rope release power.	Set the wire rope release power according to the instructions (Chapter: 4.5.).
	Damaged wire rope.	Replace the wire rope (Chapter: 4.4.).
	Damaged brake band.	Replace the brake band. ⊗
The winch is pulling when the clutch is disengaged.	Incorrectly adjusted clutch cylinder stroke.	Adjust the clutch cylinder stroke (Chapter: 4.7.).
	Damaged drum.	Replace the drum. ⊗
	Damaged clutch plates.	Replace the clutch plates. ⊗

⊗ More demanding procedures must be performed by a qualified technical service, only.

Hydraulic oils:

Factory filled oil:	Replacement oils:
Hydrolubric - VGS 46	Castrol Hyspin AVH 46
	Mobil DTE 16
	Shell TELLUS T46
	BP Energol SFA 46
	SETRAL Poclain

5.2. MAINTENANCE PLAN .

Before starting any operation, the winch must be checked visually and functionally:

- All nuts and screws must be screwed tightly
- There should be no mechanical damages
- Whether the hydraulic hoses are damaged
- If any oil is leaking
- Whether there is enough oil in the hydraulic tank (oil level indicator)
- All safety devices are installed on the connecting parts of the winch
- The PTO shaft is correctly connected and secured by the safety chain
- The bottom links of the tractor are correctly fixed and prevent the winch from moving horizontally
- The clutch is operating properly
- Brake band is operating properly
- The wire rope release power is set correctly

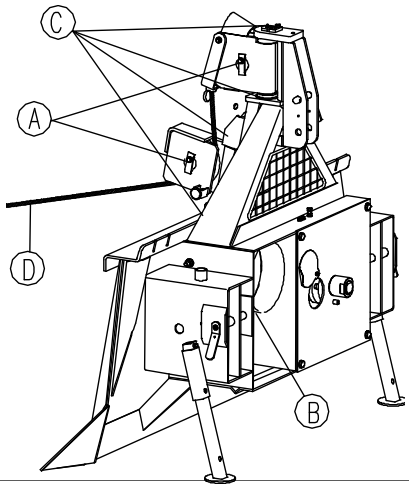
Remove all faults and deficiencies before staring the operation.

WHAT to do?			WHEN?	HOW?
• Release the rope and coil it tightly onto the drum, • Check if the wire rope is undamaged, • Check if the wire rope is fixed properly			• When using a new winch • When the wire rope is loose on the drum	Visually Ch.: 4.4.1.
• Checking and tightening of the chain			Every 48 hours of operation	Ch.: 4.8.
• Clutch plates replacement			When necessary	⊗
• Brake band replacement			When necessary	⊗
• Oil replacement and filter			After 48 hours of operation, the once a year	
• Lubrication (Figure 10)	A	Cable pulley's bearing	No lubrication	
	B	Drive chain	Every 48 hours of operation	Chain Lubrication Spray
	C	The upper and lower pulley beds and other sliding elements.	At least once a month	Lithium grease oil
	D	Wire rope	Once a month	Lithium grease
• Cleaning the framework interior			Every 100 hours of operation or more frequently in case of harsh operating conditions	

⊗ More demanding procedures must be performed by a qualified technical service, only.

The machine is functionally and safety tested. In case of breakdown it is necessary to use only original spare parts to ensure flawless and safe operation. The customer looses all claims of warranty if non-original spare parts are used, if the winch is not maintained according to maintenance plan, if repairs are performed unprofessionally or by unqualified person.

10



5.3. CONSEQUENCES OF OVERLOAD AND MISUSE OF LOGGING WINCHES .

- Burnt clutch plates
- Burnt brake band
- Damaged brake mechanism
- Torn chain
- Broken pulley or pulley bearing
- Damaged cardan shaft-s housing
- Damaged cardan shaft-s or chain sprockets
- Bent framework (couplings, safety elements, drive carrying elements, pulleys, …)
- Torn "new" wire rope or linking chain of appropriate strength
- Bent drum axle
- Torn brake band

5.4. SPARE PARTS ORDERING .

When ordering spare parts it is necessary to provide the following information:
Winch type, serial number and year of manufacture;
catalogue number, name and quantity of the spare part; Exact customer's address.

The manufacturer warrants the availability of any spare parts and service for the period of 10 years following the purchase of the machine.

Tajfun Planina d.o.o.
Planina pri Sevnici 41a
SI-3225 Planina pri Sevnici
Slovenija
W: www.tajfun.com

EC - Declaration of Conformity

Manufacturer:

TAJFUN Planina, proizvodnja strojev d.o.o.,
Planina 41a, 3225 Planina pri Sevnici, Slovenia

declares with full responsibility that the products mentioned hereinafter:

LOGGING WINCHES

Type:	Serial Number:
EGV 45 AHK	202522-XXXXX
EGV 45 AHK SG	211941-XXXXX
EGV 55 AHK	202524-XXXXX
EGV 55 AHK 1.8M	202509-XXXXX
EGV 55 AHK SG	210160-XXXXX
EGV 55 AHK 1.8M SG	210161-XXXXX
EGV 65 AHK	202526-XXXXX
EGV 65 AHK SG	209096-XXXXX
EGV 65 AHK 1.8M	202510-XXXXX
EGV 65 AHK 1.8M SG	209095-XXXXX
EGV 65 AHK 2.05M	207656-XXXXX
EGV 65 AHK 2.05M SG	209097-XXXXX

Type:	Serial Number:
EGV 65 AHK ZS	211140-XXXXX
EGV 65 AHK ZS SG	210414-XXXXX
EGV 65 AHK ZS 1.8M	211543-XXXXX
EGV 65 AHK ZS 1.8M SG	211595-XXXXX
EGV 65 AHK ZS 2.05M	248636-XXXXX
EGV 65 AHK ZS 2.05M SG	248637-XXXXX
EGV 85 AHK	202528-XXXXX
EGV 85 AHK SG	209131-XXXXX
EGV 85 AHK 1.95M	202511-XXXXX
EGV 85 AHK 1.95M SG	209132-XXXXX
EGV 85 AHK 2.05M	202512-XXXXX
EGV 85 AHK 2.05M SG	209133-XXXXX

covered by this declaration complies with the requirements of:

Directive 2006/42/EC

and is in compliance with standards:

EN ISO 12100:2010, EN ISO 4254-1:2009,
EN 14492-1:2006, ISO/FDIS 19472:2005

The person authorized to compile the technical documentation at the manufacturer's address is the same as the signatory of this Declaration:

Planina, 07. 07. 2021

Iztok Špan
General Manager

TAJFUN
Tajfun Planina, proizvodnja strojev d. o. o. Planina pri Sevnici

WARRANTY SHEET

THE WARRANTY DOES NOT EXCLUDE THE CUSTOMER'S RIGHTS RESULTING THE MANUFACTURER'S LIABILITY FOR PRODUCT DEFECTS.

We guaranty:

- that the product will operate fault free, if operated according to enclosed operating instructions;
- that we will repair any fault or defectiveness within 45 days during the warranty period. In case the product is not repaired within the mentioned term, we will replace it with a new product on customer's request.

The product is warranted **12 MONTHS** from the day of purchase, which must be proved by the customer with the certified warranty sheet (stamp of the shop, date of purchase and salesman's signature, serial number and year of manufacture).

Warranty sheet is valid only if shown together with original invoice!

The warranty covers any parts against defects in material and workmanship. In case of repairs performed by unqualified person, or when using non-original spare parts, the customer looses all claims of warranty! Our warranty is void also in case of:

- Damages caused by not following these operating instructions;
- Damages which are customer's fault;
- Damages resulting from improper use or overload and operation in unsuitable conditions.

We shall provide service and spare parts for 9 years after the expiry of the warranty period.

TAJFUN

Tajfun Planina d.o.o.
Planina pri Sevnici 41a
SI-3225 Planina pri Sevnici
Slovenija
W: www.tajfun.com

Product specifications (copy from the type plate):

Winch Type:	Serial number:	Year of Manufacture:

Data on product sale:

STORE (company and headquarters):	Date of delivery: Stamp and signature of the salesperson: