

Hand spurgear winch

Hand winch

MANIBOX GR

Instruction manual _____

UK



CE

34-331.09/6

PRODUCT DEVELOPED AND MANUFACTURED ACCORDING TO STANDARD NF EN 13157

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1 - General warning

This device is governed by European regulations, in particular the machinery directive 2006/42/EC and standard NF EN 13157.

- Before using this winch, with safety of use of the equipment and efficiency in mind, it is vital that you become familiar with this instruction manual and comply with all its recommendations.
- This instruction manual must be kept available to all operators. The manufacturer will supply additional copies on demand.
- MANIBOX winches are designed for **lifting** and **pulling** operations. Please ensure that the operator has read this manual and is qualified to operate the machine in the conditions provided for.
- Never use this winch with a load exceeding the maximum working load specified (see p. 3 paragraph 2.4)
- These winches may not, under any circumstance, be used to lift personnel.
- This device should never be used above people without the load secured by any other method.
- Before each use, the operator must check the good working order of the device, its rope, hook, marking and shoring.
- The manufacturer declines all responsibility for the consequences of using or installing devices against the recommendations of this manual, as well as for the consequences of dismantling, altering or replacing original parts or components with parts or components from other sources without its written agreement.
- It is strictly forbidden to motorise these devices.

2 - Introduction to the devices

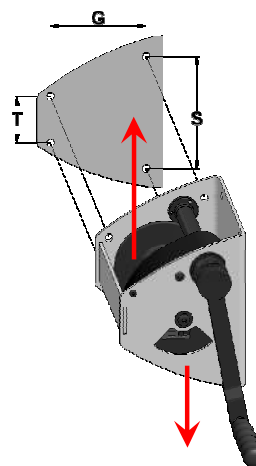
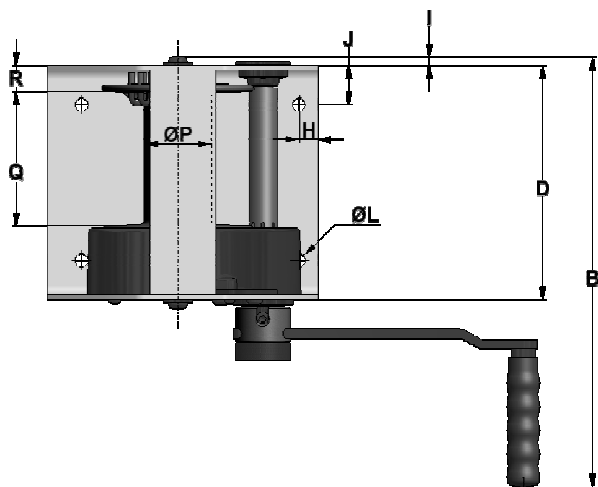
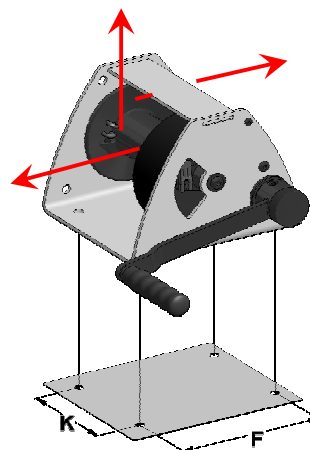
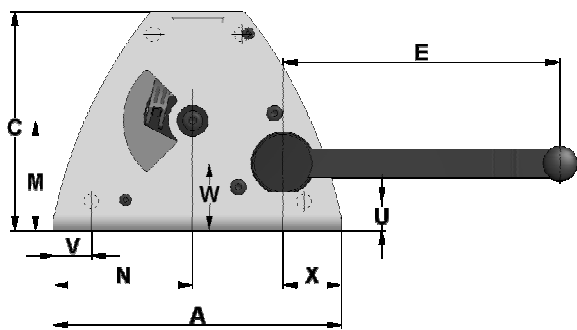
MANIBOX are manual lifting and pulling winches built in accordance with current standards and recommendations.

MANIBOX GR: geared winches, 10 capacities available in the range: from 150 kg to 2.75 tonnes.

2.1. Build

- Rigid steel frame
- Drum made from steel and cast iron or a polymer material
- Reduction gear system protected by a metal or plastic cover
- Drum release system
- Automatic brake
- Ergonomic crank assembly with rotary handle. The arm of the crank can be adjusted to minimise the force according to the load.
- Paint and cataphoresis protection, optional galvanised or stainless-steel frame.

2.2. Dimensions:



| Model | A | B | C | D | E | F | G | H | I | J | K | ØL | M | N | ØP | Q | R | S | T | U | V | W | X |
|---------|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|--------|-----|-----|-----|-----|----|-----|----|----|----|-----|-----|
| GR 150 | 180 | 325 | 147 | 157 | 340 | 154 | 100 | 13 | 4 | 22 | 114 | 8 Ø 9 | 73 | 90 | 40 | 77 | 24 | 132 | 48 | 31 | 24 | 73 | 90 |
| GR 230 | 180 | 325 | 147 | 157 | 340 | 154 | 100 | 13 | 4 | 22 | 114 | 8 Ø 9 | 73 | 90 | 40 | 77 | 24 | 132 | 48 | 31 | 24 | 73 | 90 |
| GR 300 | 249 | 400 | 190 | 217 | 240 | 200 | 145 | 18 | 8 | 37 | 144 | 8 Ø 13 | 95 | 120 | 62 | 124 | 25 | 184 | 76 | 25 | 33 | 58 | 51 |
| GR 530 | 249 | 400 | 190 | 217 | 240 | 200 | 145 | 18 | 8 | 37 | 144 | 8 Ø 13 | 95 | 120 | 62 | 124 | 25 | 184 | 76 | 25 | 33 | 58 | 51 |
| GR 500 | 249 | 400 | 190 | 217 | 240 | 200 | 145 | 18 | 8 | 37 | 144 | 8 Ø 13 | 95 | 120 | 62 | 124 | 25 | 184 | 76 | 25 | 33 | 58 | 51 |
| GR 750 | 249 | 400 | 190 | 217 | 240 | 200 | 145 | 18 | 8 | 37 | 144 | 8 Ø 13 | 95 | 120 | 62 | 124 | 25 | 184 | 76 | 25 | 33 | 58 | 51 |
| GR 1000 | 410 | 485 | 305 | 300 | 340 | 370 | - | 20 | 10 | 32 | 236 | 4 Ø 17 | 145 | 200 | 103 | 180 | 35 | - | - | - | - | 104 | 68 |
| GR 1450 | 410 | 485 | 305 | 300 | 340 | 370 | - | 20 | 10 | 32 | 236 | 4 Ø 17 | 145 | 200 | 103 | 180 | 35 | - | - | - | - | 104 | 68 |
| GR 2000 | 510 | 585 | 360 | 400 | 340 | 440 | - | 35 | 11 | 38 | 325 | 4 Ø 21 | 150 | 187 | 121 | 238 | 47 | - | - | - | - | 270 | 165 |
| GR 2750 | 510 | 585 | 360 | 400 | 340 | 440 | - | 35 | 11 | 38 | 325 | 4 Ø 21 | 150 | 187 | 121 | 238 | 47 | - | - | - | - | 270 | 165 |

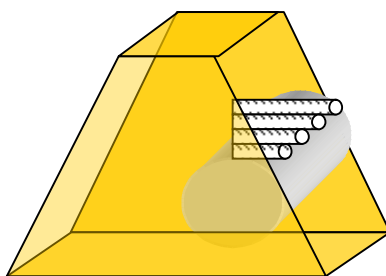
2.3. Technical features of the different models

| Model | Force Kg | Wire rope length m | Wire rope diameter Ø mm | Crank force (kg) | Lift per crank revolution (mm) | Weight (without rope) (kg) |
|---------|----------|--------------------|-------------------------|------------------|--------------------------------|----------------------------|
| GR 150 | 150 | 20 | 4 | 20 | 138 | 5.6 |
| GR 230 | 230 | 5 | 4 | 20 | 138 | 5.6 |
| GR 300 | 300 | 38 | 5 | 12.5 | 30.5 | 15 |
| GR 530 | 530 | 4 | 6 | 12.5 | 30.5 | 15 |
| GR 500 | 500 | 18 | 6.8 | 19 | 31.5 | 15 |
| GR 750 | 750 | 4 | 7 | 19 | 31.5 | 15 |
| GR 1000 | 1000 | 30 | 9 | 14.5 | 16 | 44 |
| GR 1450 | 1450 | 6 | 10 | 14.5 | 16 | 44 |
| GR 2000 | 2000 | 25 | 13 | 16.5 | 9.5 | 83 |
| GR 2750 | 2750 | 6 | 13 | 16.5 | 9.5 | 83 |

The rope diameter provided above refers to the capacity on the last layer.

Caution! it is compulsory to check that the resistance factor of the wire rope complies with the lifted load (factor 5)

2.4. Maximum working loads according to the layer of rope used



| Maximum working loads for hauling (kg) | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Model | 1 st layer | 2 nd layer | 3 rd layer | 4 th layer | 5 th layer | 6 th layer |
| GR 150 | 250 | 230 | 200 | 180 | 160 | 150 |
| GR 300 | 500 | 450 | 400 | 350 | 320 | 300 |
| GR 500 | 750 | 650 | 560 | 500 | | |
| GR 1000 | 1450 | 1250 | 1100 | 1000 | | |
| GR 2000 | 2750 | 2300 | 2000 | | | |

| Maximum working loads for lifting (kg) | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Model | 1 st layer | 2 nd layer | 3 rd layer | 4 th layer | 5 th layer | 6 th layer |
| GR 150 | 180 | 180 | 180 | 180 | 160 | 150 |
| GR 300 | 400 | 400 | 400 | 350 | 320 | 300 |
| GR 500 | 750 | 650 | 560 | 500 | | |
| GR 1000 | 1300 | 1250 | 1100 | 1000 | | |
| GR 2000 | 2600 | 2000 | | | | |

2.5. Accessories

The MANIBOX GR is supplied with ropes and accessories.

The pulleys and the blocks used with these winches must comply with standard EN 13157.

2.6. Operation

When operating the crank, depending on the direction of rotation, the load goes up or down. When no more force is exerted on the crank, the brake comes into action and maintains the load in position.

There must be sufficient force on the machine

Table of minimum forces: load :

| GR 150 | GR 300 | GR 500 | GR 1000 | GR 2000 |
|--------|--------|--------|---------|---------|
| 10 kg | 10 kg | 20 kg | 40 kg | 80 kg |

3 - Handling - Storage

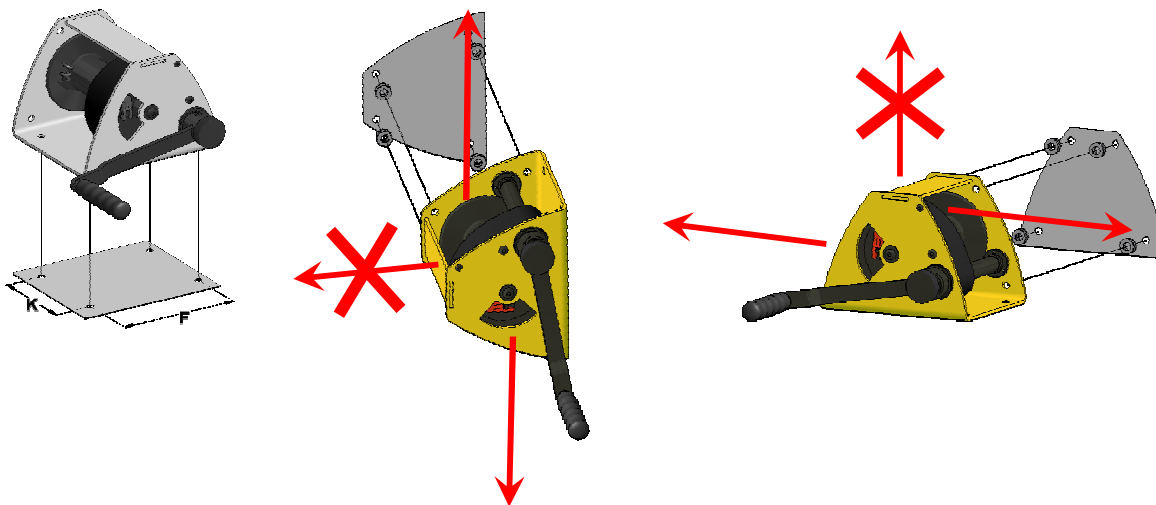
Above 1,000 kg, to handle and position a winch, place a sling around the drum. This causes the device to tilt, allowing it to be easily and safely handled.

It is advisable to store this equipment to protect it from bad weather.

4 – Use, assembly and commissioning

Please observe the following precautions:

4.1. Fixing

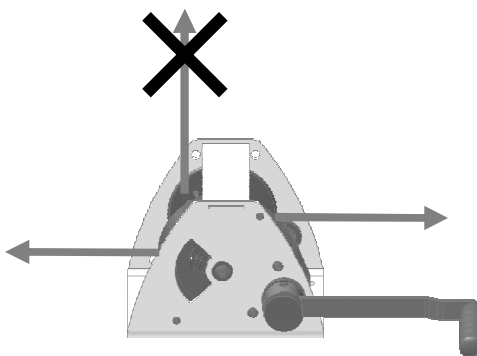


When the winch is wall-mounted, add a washer (see below) between the frame and the wall for each screw: length of 4 mm for GR 150-GR 230 and 8 mm for GR 300-GR 530/GR 500-GR 750.

Fixing screws:

| | Floor-mounting | Wall-mounting |
|---------|-----------------------|--|
| GR 150 | 4 screws Ø 8 mm | 4 screws Ø 8 mm + 4x3 washers Ø 8 mm |
| GR 230 | 4 screws Ø 8 mm | 4 screws Ø 8 mm + 4x3 washers Ø 8 mm |
| GR 300 | 4 screws Ø 12 mm | 4 screws Ø 12 mm + 4x3 washers Ø 12 mm |
| GR 530 | 4 screws Ø 12 mm | 4 screws Ø 12 mm + 4x3 washers Ø 12 mm |
| GR 500 | 4 screws Ø 12 mm | 4 screws Ø 12 mm + 4x3 washers Ø 12 mm |
| GR 750 | 4 screws Ø 12 mm | 4 screws Ø 12 mm + 4x3 washers Ø 12 mm |
| GR 1000 | 4 screws Ø 16 mm | ■ |
| GR 1450 | 4 screws Ø 16 mm | ■ |
| GR 2000 | 4 screws Ø 20 mm | ■ |
| GR 2750 | 4 screws Ø 20 mm | ■ |

All these screws must be at least 6.8 class.



When the winch is fixed on a bracket, only the side cable outlets should be used

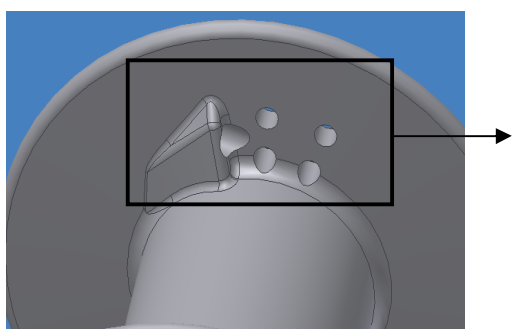
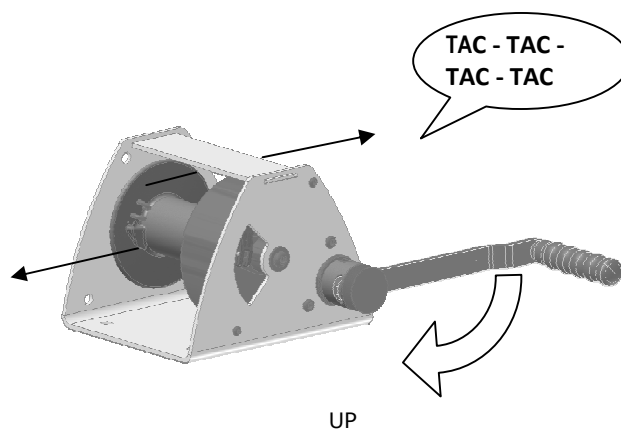
Calculate and check that the fixing supports have enough strength to easily withstand the loads to be lifted or pulled.

4.2. Rope

| Models | Ø mm | Max. capacity (m) | Number of layers |
|---------|------|-------------------|------------------|
| GR 150 | 4 | 20 | 6 |
| GR 230 | 4 | 5 | 6 |
| GR 300 | 5 | 38 | 6 |
| GR 530 | 6 | 4 | 6 |
| GR 500 | 6,8 | 18 | 4 |
| GR 750 | 7 | 4 | 4 |
| GR 1000 | 9 | 30 | 4 |
| GR 1450 | 10 | 6 | 4 |
| GR 2000 | 13 | 25 | 3 |
| GR 2750 | 13 | 6 | 3 |

4.3. Installing the rope:

Strictly observe the rope winding direction. To lift the load, turn the crank clockwise: a click will be heard. To lower the load, turn the crank in the opposite direction.



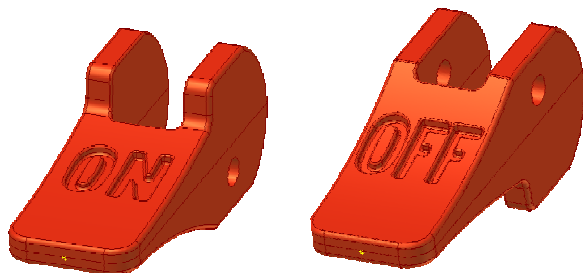
DANGER! If the rope is not wound in the right direction, the brake will not operate

The drum is polarised so that the rope is always wound in the right direction.

In the event of an error, a safety device is provided to prevent incorrect winding of the rope: the operator gets the impression of turning with no load. In this case, remove the rope and attach it in the opposite direction.

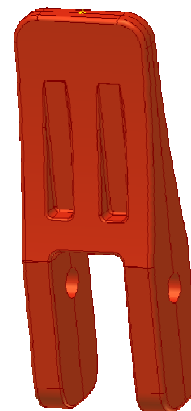
Caution: only for 1000, 1450, 2000 and 2750 kg, it can be harmful to turn the crank in the opposite direction to lifting

4.4. Disengagement



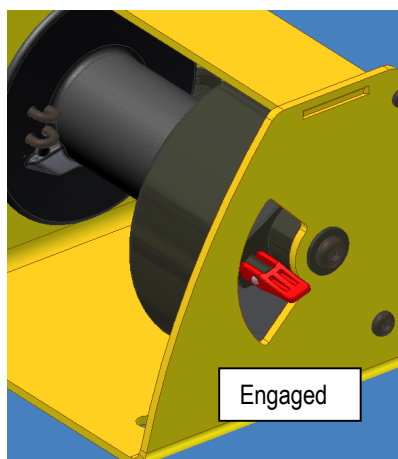
GR 150-GR 230:

- ON: engaged
- OFF: drum released



GR 300-GR 530 / GR 500-GR 750 GR 1000-GR 1450 / GR 2000-GR 2750

On GR 300 to 1450:



CAUTION! Never disengage a loaded winch!

Before disengaging, make sure no load is connected to the rope. The rope should not be under tension.

5 – Maintenance

Winches are delivered ready to be used.

When using for the first time, lubrication is not required as this has been performed in the factory. Nor is any specific check required

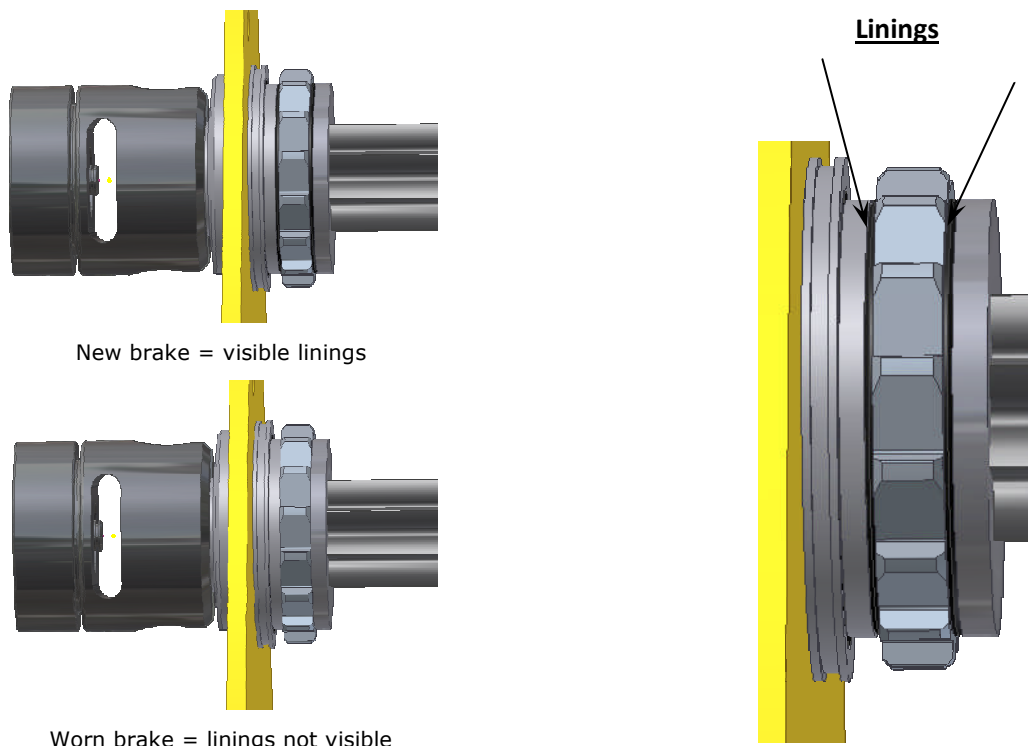
A periodic maintenance check is required once a year.

Regularly grease the gears with **EP2-grade** grease for open gears.

Regularly and before each use: check the condition of the rope, hook and its safety catch. If the manufacturer does not supply the rope and hook with the device, check that the rope and hook used guarantee a degree of safety corresponding to break factor 5.

Periodically check the correct operation of the brake (static tests: rated load + 50 %)

Regularly check the wear of the brake linings. When they are no longer visible, they need to be replaced.



Automatically locking brake

The brake will lock automatically with the following minimum loads:

| | | | | |
|---------------|---------------|---------------|----------------|----------------|
| GR 150 | GR 300 | GR 500 | GR 1000 | GR 2000 |
| GR 230 | GR 530 | GR 750 | GR 1450 | GR 2750 |
| 10 kg | 15 kg | 25 kg | 50 kg | 100 kg |

6 – Prohibitions for use

Before using the winch, check that there is no risk of overloading due to: adherence to the floor, suction, jamming, etc. Take warning against the following improper uses or handling operations:

It is prohibited to:

- Lift loads exceeding the rated load specified on the plate of the device;
- Unwind the drum completely (keep 2 to 3 extra turns);
- Pull sideways;
- Swing the load;
- Use the winch to lift personnel;
- Stand under the load;
- Use ropes with a diameter and texture not complying with the specifications of this manual (factor 5);
- Use damaged or spliced ropes;
- Use hooks without catches, not suitable for the loads specified on the device or in bad condition;
- Insert objects into the moving parts;
- Work on the device when loaded;
- Release the drum when loaded;
- Allow the load to fall freely;
- Motorise the device
- Use the rope of the device as a sling;
- With no load, turn the crank in the opposite direction to lifting (for the 1000, 1450, 2000 and 2750 kg models only). If this operation is necessary, it is advisable to disengage or apply a manual force by pulling on the rope.
- Use handles different from the original ones;
- Use the devices for operations other than from those for which they are designed;
- Use the winch as a fall-prevention device, regardless of the height of the fall and the load applied.
- Use parts or components other than the manufacturer's original parts or components;
- Reeve, positioning the fixed point on the winch.

7 - User precautions

- Long descents can cause the braking system to overheat and damage it. It is strongly recommended to respect a stopping time of several minutes every 5 metres during the lowering stage. This recommendation mainly affects the 1000, 1450, 2000 and 2750 kg models.
- The operating temperature must be comprised between -10°C and +50°C.
- These winches have been designed for operation in a normal environment. If they are used in an aggressive environment (saline or chemical atmosphere, etc), they must be subject to special attention or a request for information from the manufacturer.
- These winches must be operated frequently, even with no load, especially when used in harsh environments. Extended inactivity can risk damaging the braking system (brake jammed).
- You are strongly advised not to handle the cable without wearing protective gloves.

8 – Statutory, compulsory checks by the user

This equipment has been designed to withstand the following tests:

- Dynamic proof test with factor 1.1.
- Static proof test with factor 1.5

A periodic maintenance check is required once a year.

Check the wear of the brake linings regularly.

The user must keep a safety log. In compliance with the regulations, the user must keep an inspection book, where all actions and inspections conducted on the device shall be recorded (FEM rule 9755).

9 – Putting out of operation

When the equipment is in a state of decay and likely to create risks, the user is obliged to dispose of the device, i.e. to put it out of operation and dismantle it if required.

10 - Frequently asked questions

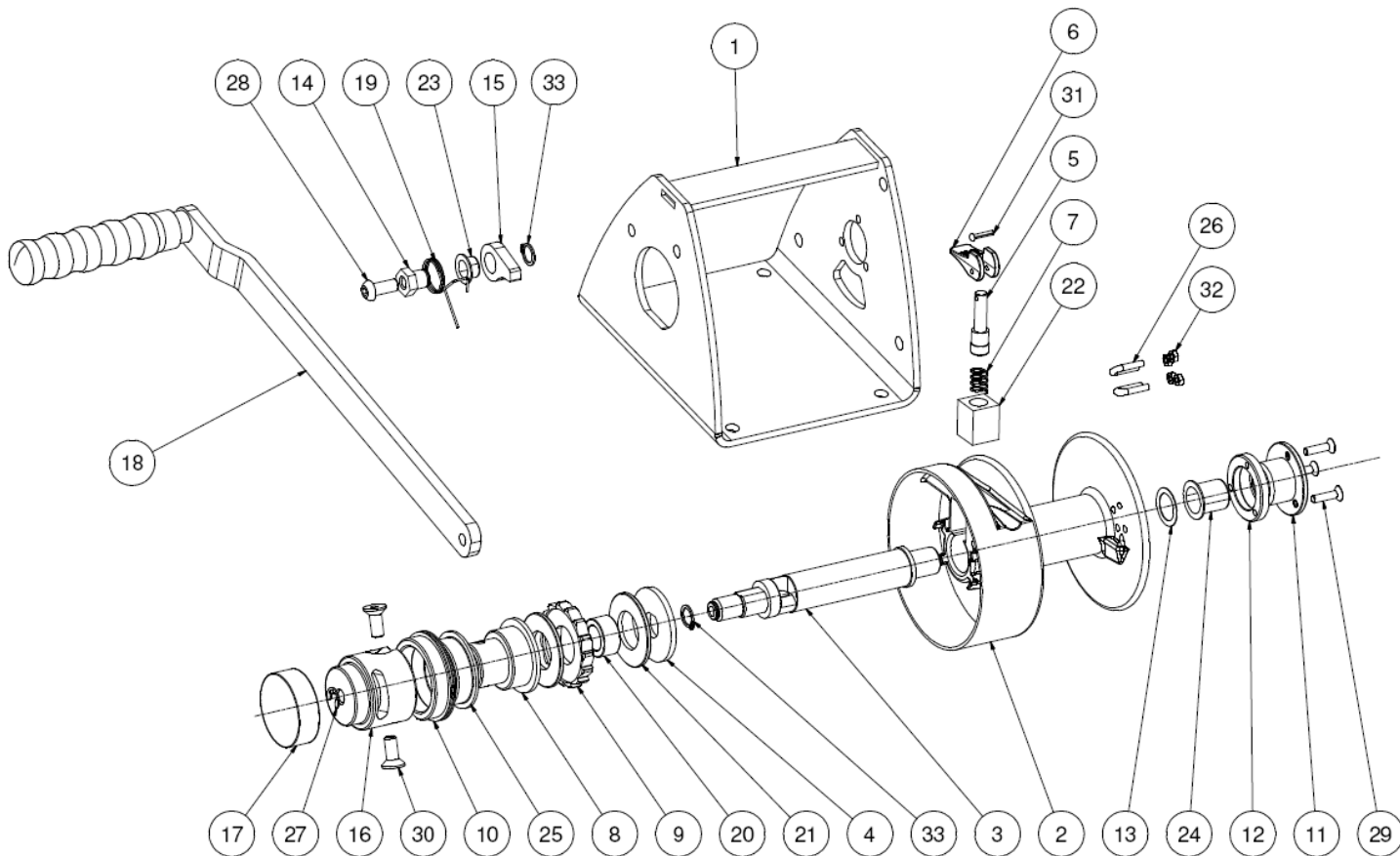
| Question | Cause | Solution |
|---|---|---|
| The drum does not turn when the handle is turned | The winch is disengaged | Make sure the disengaging lever is in the engaged position. See paragraph 4.4 |
| | The cable is installed in the wrong direction and the security device is triggered. | Make sure the cable is installed in the right direction. See paragraph 4.3 |
| The disengaging lever is too stiff to move it | The winch is still loaded or the cable is simply under tension. | Check that no loads are applied to the winch and that there is no tension on the cable. See paragraph 4.4 |
| Excessive force needs to be applied to the handle | The load to be lifted or pulled is too heavy | Set the load down carefully and check the real weight to be lifted or pulled. The load may not exceed the limit force of the winch. See paragraph 2.4 |
| The winch vibrates or "whistles" | The brake is overheating. This phenomenon only occurs in the cable unwinding direction. See paragraph 7 | Allow it to cool for at least 5 minutes. |
| | The brake linings are too worn. See paragraph 8 | The winch needs service. |
| | The gears have lost their lubrication. | Lubricate the gears. See paragraph 5 |

10 - Spare parts

GR 150 kg-GR 230 kg

| Ref. | No. | Description |
|------|-------|---------------------------|
| 1 | 22901 | Frame |
| 2 | 22902 | Drum |
| 3 | 22903 | Shaft |
| 4 | 22904 | Brake supporting washer |
| 5 | 22905 | Disengaging pin |
| 6 | 22906 | Disengaging lever |
| 7 | 22907 | Disengaging reinforcement |
| 8 | 22908 | Locknut |
| 9 | 22909 | Machined steel ratchet |
| 10 | 22910 | Front bearing |
| 11 | 22911 | GR rear bearing |
| 12 | 22912 | Tightening crown |
| 13 | 22913 | 18x26x05 spacer |
| 14 | 22914 | Link pin |
| 15 | 22915 | Catch |
| 16 | 22916 | Crank head |
| 17 | 22917 | Lock button |

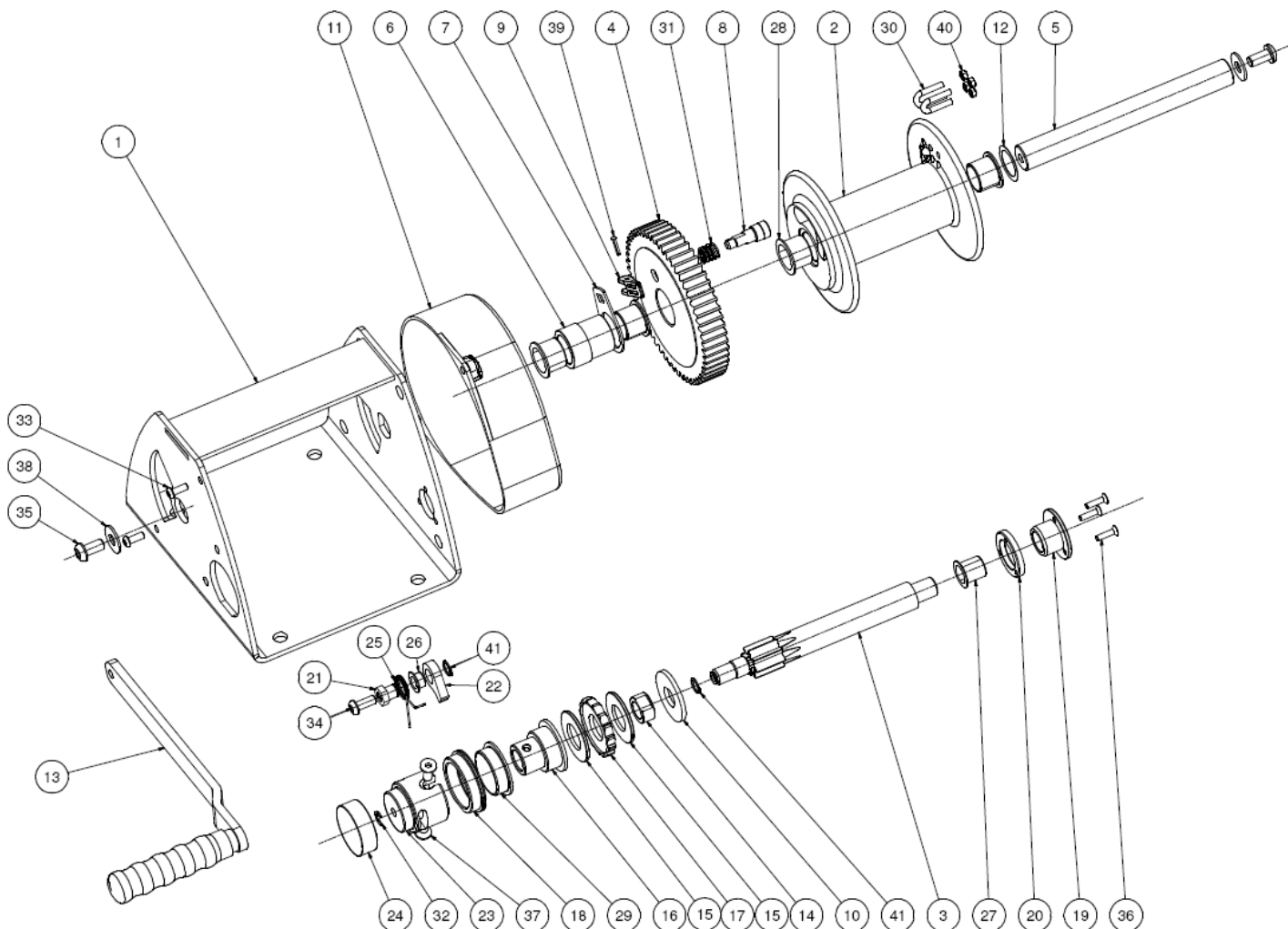
| Ref. | No. | Description |
|------|-------|----------------------------------|
| 18 | 22918 | Assembled long crank |
| 19 | 22919 | GR detent spring |
| 20 | 22939 | Lock ring |
| 21 | 22758 | Lock washer |
| 22 | 21628 | Compression spring 11.5 |
| 23 | 2760 | GFM 1214 09 ring |
| 24 | 2762 | GFM 1820 22 ring |
| 25 | 2766 | GFM 4044 14 ring |
| 26 | 2776 | Cable clamp with \varnothing 4 |
| 27 | 13505 | 7144-7 ring |
| 28 | 13643 | TBHc screw M8x20 |
| 29 | 13648 | TBHc screw M5x20 |
| 30 | 13650 | TFHc screw M8x20 |
| 31 | 13659 | 3.2x16 rivet |
| 32 | 13667 | M4 nut |
| 33 | 21045 | E12 spring retaining ring |



GR 300 kg-GR 530kg & GR 500 kg-GR 750kg

| Ref. | No. | | Description |
|------|------------------|------------------|----------------------------|
| | 300 kg 530 kg | 500 kg 750 kg | |
| 1 | 22921 | 22921 | Frame |
| 2 | 22922 | 22922 | Drum |
| 3 | 22923 | 22923 | 8-tooth shaft pinion |
| 4 | 22924 | 22924 | 55-tooth gear |
| 5 | 22925 | 22925 | Drum shaft |
| 6 | 22926 | 22926 | Spacer hub |
| 7 | 22927 | 22927 | Plate |
| 8 | 22928 | 22928 | Disengaging pin |
| 9 | 22929 | 22929 | Disengaging lever |
| 10 | 22930 | 22930 | Brake support washer no. 2 |
| 11 | 22931 | 22931 | Cover |
| 12 | 22932 | 22932 | 26x35x05 spacer |
| 13 | 22933 | 22933 | Short crank sub-assembly |
| 14 | 22939 | 22939 | Lock ring |
| 15 | 22758 | 22758 | Lock washer |
| 16 | 22908 | 22908 | Locknut |
| 17 | 22909 | 22909 | Machined steel ratchet |
| 18 | 22910 | 22910 | Front bearing |
| 19 | 22911 | 22911 | Rear bearing |
| 20 | 22912 | 22912 | Tightening crown |

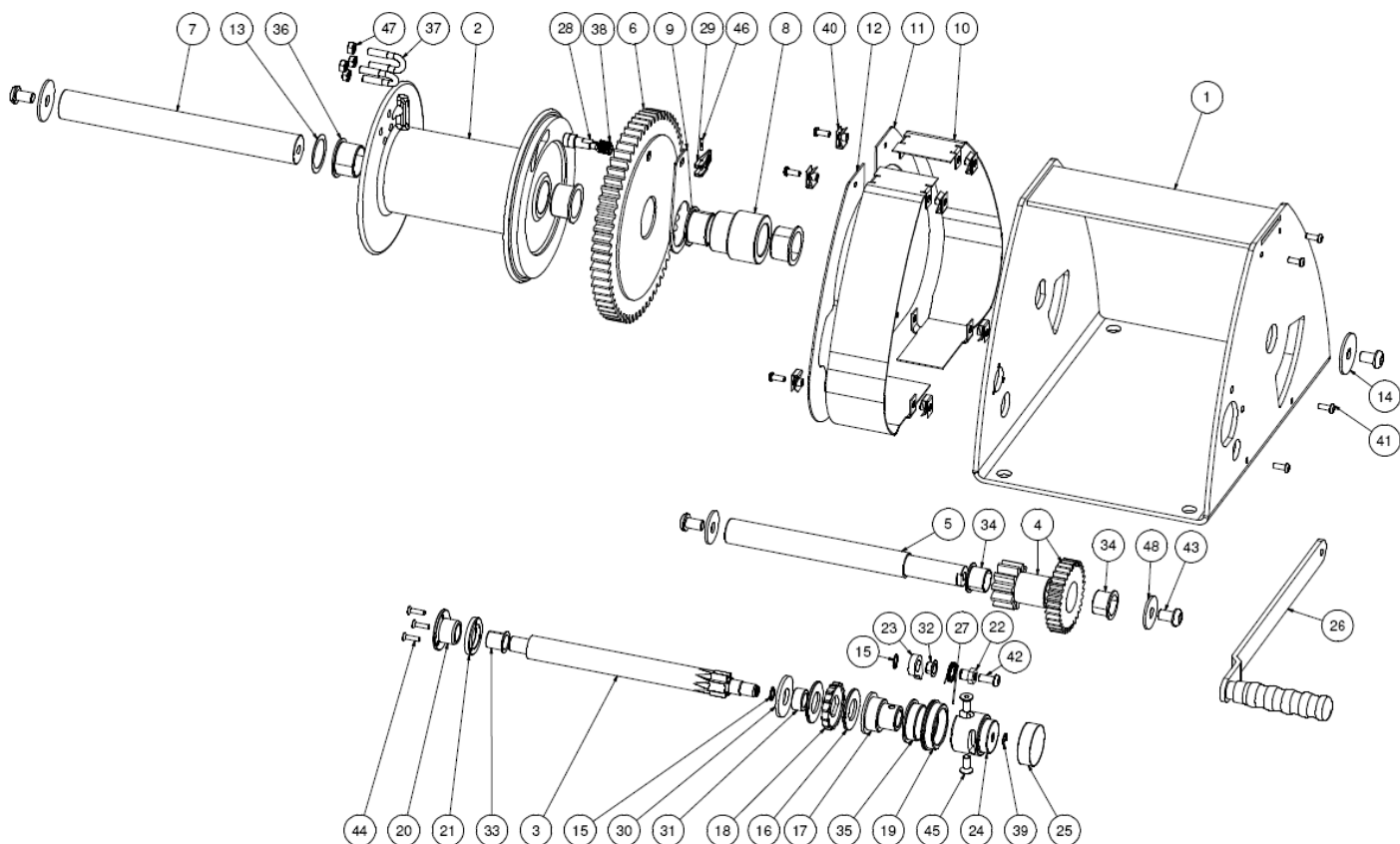
| Ref. | No. | | Description |
|------|------------------|------------------|---------------------------|
| | 300 kg 530 kg | 500 kg 750 kg | |
| 21 | 22914 | 22914 | Link pin |
| 22 | 22915 | 22915 | Catch |
| 23 | 22916 | 22916 | Crank head |
| 24 | 22917 | 22917 | Lock button |
| 25 | 22919 | 22919 | Detent spring |
| 26 | 2760 | 2760 | GFM 1214 09 ring |
| 27 | 2762 | 2762 | GFM 1820 22 ring |
| 28 | 2765 | 2765 | GFM 2528 21 ring |
| 29 | 2766 | 2766 | GFM 4044 14 ring |
| 30 | 2775 | 2775 | Cable clamp |
| 31 | 2779 | 2779 | Disengaging spring |
| 32 | 13505 | 13505 | 7144-7 ring |
| 33 | 13640 | 13640 | TBHC screw M6x16 |
| 34 | 13643 | 13643 | TBHC screw M8x20 |
| 35 | 13645 | 13645 | TBHC screw M10x20 |
| 36 | 13647 | 13647 | TFHC screw M5x16 |
| 37 | 13650 | 13650 | TFHC screw M8x20 |
| 38 | 13658 | 13658 | LLU 10 washer |
| 39 | 13659 | 13659 | 3.2x18 alu. rivet |
| 40 | 13666 | 13666 | M5 stainless-steel nut |
| 41 | 21045 | 21045 | E12 spring retaining ring |



GR 1000 kg-GR 1450 kg

| Ref. | No. | Description |
|------|-------|---------------------------|
| 1 | 22941 | Frame |
| 2 | 22942 | Drum |
| 3 | 22943 | 8-tooth shaft pinion |
| 4 | 22944 | Feed wheel sub-assembly |
| 5 | 22947 | Intermediate shaft |
| 6 | 22948 | 63-tooth gear |
| 7 | 22949 | Drum shaft |
| 8 | 22950 | Gear hub |
| 9 | 22951 | Plate |
| 10 | 22952 | Half cover |
| 11 | 22953 | Flat sheet cover no. 1 |
| 12 | 22954 | Flat sheet cover no. 2 |
| 13 | 22955 | 36x47x05 spacer |
| 14 | 22978 | 12x50x3 washer |
| 15 | 21045 | E12 spring retaining ring |
| 16 | 22758 | Lock washer |
| 17 | 22908 | Locknut |
| 18 | 22909 | Machined steel ratchet |
| 19 | 22910 | Front bearing |
| 20 | 22911 | Rear bearing |
| 21 | 22912 | Tightening crown |
| 22 | 22914 | Link pin |
| 23 | 22915 | Catch |
| 24 | 22916 | Crank head |

| Ref. | No. | Description |
|------|-------|----------------------------|
| 25 | 22917 | Lock button |
| 26 | 22918 | Assembled long crank |
| 27 | 22919 | Detent spring |
| 28 | 22928 | Disengaging pin |
| 29 | 22929 | Disengaging lever |
| 30 | 22930 | Brake support washer no. 2 |
| 31 | 22939 | Lock ring |
| 32 | 2760 | GFM 1214 09 ring |
| 33 | 2762 | GFM 1820 22 ring |
| 34 | 2765 | GFM 2528 21 ring |
| 35 | 2766 | GFM 4044 14 ring |
| 36 | 2768 | GFM 3539 26 ring |
| 37 | 2774 | Cable clamp |
| 38 | 2779 | Disengaging spring |
| 39 | 13505 | 7144-7 ring |
| 40 | 13622 | M6 spring nut |
| 41 | 13640 | TBHc screw M6x16 |
| 42 | 13643 | TBHc screw M8x20 |
| 43 | 13646 | TBHc screw M12x20 |
| 44 | 13647 | TFHc screw M5x16 |
| 45 | 13650 | TFHc screw M8x20 |
| 46 | 13659 | 3.2x18 alu. rivet |
| 47 | 13665 | M8 stainless-steel nut |
| 48 | 13670 | LLU12 washer |



GR 2000 kg-GR 2750 kg

| Ref. | No. | Description |
|------|-------|------------------------------|
| 1 | 22961 | Frame |
| 2 | 22962 | SE drum GR |
| 3 | 22963 | 8-tooth shaft pinion |
| 4 | 22964 | 79-tooth gear |
| 5 | 22965 | SE Disengaging flange pinion |
| 6 | 22968 | Intermediate shaft |
| 7 | 22969 | Intermediate hub |
| 8 | 22970 | 53-tooth gear |
| 9 | 22971 | GR_VS 2000 drum shaft |
| 10 | 22972 | Gear hub |
| 11 | 22973 | Plate |
| 12 | 22974 | Piles |
| 13 | 22975 | Half cover |
| 14 | 22976 | Flat sheet cover no. 1 |
| 15 | 22977 | Flat sheet cover no. 2 |
| 16 | 22978 | 12x50x3 washer |
| 17 | 22979 | 12x55x4 washer |
| 18 | 22778 | Catch |
| 19 | 22779 | Link pin |
| 20 | 22793 | Lock washer Ø69 |
| 21 | 22794 | GR 2000 Ratchet |
| 22 | 22797 | Front bearing |
| 23 | 22798 | Locknut |
| 24 | 22799 | Brake washer |
| 25 | 22911 | Rear bearing GR |
| 26 | 22912 | Tightening crown |

| Ref. | No. | Description |
|------|-------|---------------------------------|
| 27 | 22916 | Crank head |
| 28 | 22917 | Lock button |
| 29 | 22919 | Detent spring GR |
| 30 | 22928 | Disengaging pin |
| 31 | 22929 | Disengaging lever |
| 32 | 20107 | Handle unit |
| 33 | 2760 | GFM-1214-09 ring |
| 34 | 2762 | GFM-1820-22 ring |
| 35 | 2766 | GFM 4044-14 ring |
| 36 | 2767 | GFM-3539-16 ring |
| 37 | 2768 | GFM-3539-26 ring |
| 38 | 2770 | GFM-5055-40 ring |
| 39 | 2778 | Ø13 stainless steel cable clamp |
| 40 | 2779 | C 152_140_0190 I spring |
| 41 | 13228 | 8x7x20 F.A Key |
| 42 | 13505 | 7144-7 ring |
| 43 | 13622 | M6 spring nut |
| 44 | 13640 | TBHc M6x16 screw |
| 45 | 13644 | TBHc M8x25 screw |
| 46 | 13646 | TBHc M12x20 screw |
| 47 | 13647 | TFHc M5x16 screw |
| 48 | 13650 | TFHc M8x20 screw |
| 49 | 13659 | Ø3.2 x 18 alu. rivet |
| 50 | 13668 | M10 stainless steel nut |
| 51 | 21045 | E12 external retaining ring |

