

# PORTABLE WINCHES



| AND ACCESSORIES

POWERED by  
**HONDA**

**DISCOVERY  
EDITION**



MINI  
CATALOGUE  
**2021**

[www.portablewinch.info](http://www.portablewinch.info)



# WORK

# EFFICIENTLY AND SAFELY WITH PORTABLE WINCH.

Portable Winch offers simple and innovative products to accomplish laborious or complex tasks. Our wide range of products is used worldwide in applications as diverse as: forestry, hunting, off-road hiking, working around the house and cottage, construction, telecommunications and many others!

We have become the WORLD LEADER by designing winches with exclusive technologies and features that allow a high degree of autonomy in complete safety. They are portable, powerful and reliable!

## SECTORS AND USES

- Forestry, hunting, off-road adventure, around the house or cottage;
- Telecommunication infrastructures, towers and antennas;
- Power utility infrastructures, pylons and transmission lines;
- Lifting transformers and isolators;
- Fiber optic installation and cable pulling;
- Search and rescue operations;
- Agriculture ;
- Construction ;
- Mining, oil, gas, marine and rail industries;
- Scientific research;
- And many more!

## UNIQUE FEATURES

- Lightweight and portable: A single person can carry them where they are needed.
- Compact: During transport or when not in use, they are easily stored clutter-free.
- High-performance: A constant pulling force as well as several variations of forces and speeds depending on the model.
- Autonomous: Since they are equipped with a battery, electric or gasoline (thermal) motor, no external power source is required.
- Reliable and enduring: Manufactured from quality components and renowned engines, they will start, no matter the conditions and will provide their full performance for years to come.
- Quick anchoring: Anchor them to any anchor point in seconds.
- Simple to use: Once anchored, simply wrap the rope around the drum and pull.
- Safe: The operator is never in the pulling line and some models are equipped with a progress capture system.
- Unlimited rope length: Thanks to the capstan drum principle, the rope only passes through the winch. Plus, no more steel cables! The polyester rope features low elasticity and unequaled working comfort.
- Complete range of accessories: No matter the situations the winch will be used in, all the necessary and perfectly suited accessories are available to get the most out of it!



# PCW3000-Li

## Battery-Powered Pulling Winch 80/82 V

PRO SERIES

### The Revolutionary Winch.

Equipped with a powerful motor settable to three speeds, the PCW3000-Li can be used both indoors and outdoors, down to -14°C. It accepts 80/82 V Lithium-Ion batteries from 2 to 6 Ah from several major brands (not included). Depending on the speed selected, the weight of the load drawn and the amperage of the battery used, the operator will benefit from an autonomy varying between 20 and 40 minutes of continuous pulling, without loss of power. If necessary, a few seconds are enough to change the battery on the field and continue at the same pace. They can be recharged to full capacity at any time during the discharge cycle without damaging the cells. Thus, the features of the PCW3000-Li, such as its maintenance-free motor and push-button starter, make this winch a zero emissions tool in addition to being zero hassle!



\*Battery and charger not included.

	<b>SINGLE LINE PULLING FORCE</b> 1000 KG		<b>SPEED</b> SPEED1: 8.1 M/MIN SPEED2: 10 M/MIN SPEED3: 11.6 M/MIN		<b>MOTORIZATION</b> BRUSHLESS ELECTRIC MOTOR
	<b>DOUBLE LINE PULLING FORCE</b> 2000 KG		<b>WEIGHT</b> 9.5 KG		<b>POWERED BY</b> LITHIUM-ION BATTERY 80/82 V FROM 2 TO 6AH*
	<b>WINCH TILT</b> 360°		<b>POWER</b> 1.0 kW   82 V		<b>PRIVATE USE WARRANTY</b> 5 YEARS

\*Battery and charger not included (see page 13 for the list).

# PCW3000

## Gas-Powered Pulling Winch GX35

PRO SERIES

### Compact Power.

Born to meet demand for an even more portable model than the original PCW5000 winch, the PCW3000 capstan winch is nothing short of a technical wonder; delivering incredible pulling power, in the smallest size designed by Portable Winch. Coupled with the Honda GX35 4-stroke 360° inclinable engine, it will be your best companion no matter where your next mission is. Its capstan drum principle allows its user to pull a load over an unlimited length of rope without loss of power in a simple, efficient and safe manner. In addition, a variety of accessories have been specially designed to carry it over long distances! The proven reliability of Honda engines, combined with the ingenuity of Portable Winch, makes the PCW3000 a formidable competitor in the market.



	<b>SINGLE LINE PULLING FORCE</b> 700 KG		<b>SPEED</b> 10 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GX35
	<b>DOUBLE LINE PULLING FORCE</b> 1400 KG		<b>WEIGHT</b> 9.5 KG		<b>POWERED BY</b> GAS
	<b>WINCH TILT</b> 360°		<b>POWER</b> 1.0 kW   1.3 HP		<b>PRIVATE USE WARRANTY</b> 5 YEARS

# PCW5000-HS

## High-Speed Gas-Powered Pulling Winch GXH50

INDUSTRIAL SERIES

### The High-Speed.

The PCW5000-HS is the fastest Portable Winch in the line-up. It is therefore ideal for jobs requiring more speed than power, such as pulling cable or installing fiber optics. Using the same successful design as the PCW5000, the PCW5000-HS is built with a gearbox optimized for speed and comes with 85 mm capstan drum as standard. So, at 36 meters per minute, it pulls a load three times faster than its predecessor, making it perfectly suited to pulling smaller loads over a long distance.



	<b>SINGLE LINE PULLING FORCE</b> 350 KG		<b>SPEED</b> 36 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GXH50
	<b>DOUBLE LINE PULLING FORCE</b> 700 KG		<b>WEIGHT</b> 16 KG		<b>POWERED BY</b> GAS
	<b>POWER</b> 1.6 kW   2.1 HP		<b>WINCH TILT</b> +/- 20°		<b>COMMERCIAL USE WARRANTY</b> 1 YEAR

# PCH1000

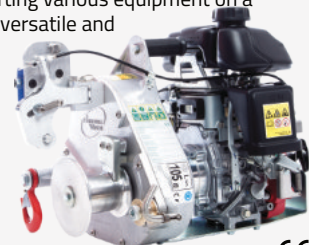
## Gas-Powered Pulling/Lifting Winch GXH50

INDUSTRIAL SERIES



### Lifting in complete safety.

The PCH1000 has the Progressive Capture System (PCS), which is essential for lifting, lowering and holding loads safely. Whether for telecommunications structures assembly, for lifting various equipment on a site or simply for pulling loads, the PCH1000 is versatile and safe. It also features a centrifugal clutch that allows the drum to stay still when the engine is idling. Once the rope is inserted into the PCS, the operator can activate the clutch and initiate movement by simply pulling on the rope. When the rope is released, the PCS grabs it and prevents it from slipping on the drum, thus keeping the load in position. To lower a load using the PCH1000, simply disengage the restraint mechanism and release the tension on the rope.



	<b>SINGLE LINE PULLING FORCE</b> 775 KG		<b>SPEED</b> 12 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GXH50
	<b>DOUBLE LINE PULLING FORCE</b> 1550 KG		<b>WEIGHT</b> 19 KG		<b>POWERED BY</b> GAS
	<b>LIFTING CAPACITY</b> 250 KG		<b>POWER</b> 1.6 kW   2.1 HP		<b>WINCH TILT</b> +/- 20°
	<b>ROPE GRABBING SYSTEM</b> PCS		<b>CLUTCH</b> CENTRIFUGAL		<b>COMMERCIAL USE WARRANTY</b> 1 YEAR

# PCW4000

## Gas-Powered Pulling Winch GX50

PRO SERIES

★ **New in 2021** ★

### The last born.

Portable Winch Co. strikes again with the introduction of the PCW4000 portable capstan winch equipped with the quick release anti roll-back mechanism (ARM)!

This model is powered by the new Honda GX50 4-stroke 360° inclinable engine. It also has a centrifugal clutch that activates when you pull the rope. When the rope is released, the drum stops spinning and the ARM does its job by holding the load in position! To disengage the rope from the mechanism, a simple lateral movement is all it takes!

Here is a light, powerful, safe and very easy winch to operate.



CE

	<b>SINGLE LINE PULLING FORCE</b> 1000 KG		<b>SPEED</b> MAX 13.4 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GX50
	<b>DOUBLE LINE PULLING FORCE</b> 2000 KG		<b>WEIGHT</b> 12 KG		<b>POWERED BY</b> GAS
	<b>WINCH TILT</b> 360°		<b>POWER</b> 1.47 kW   2.0 HP		<b>PRIVATE USE WARRANTY</b> 5 YEARS
	<b>ROPE GRABBING SYSTEM</b> ARM		<b>CLUTCH</b> CENTRIFUGAL		

# PCW5000

## Gas-Powered Pulling Winch GXH50

PRO SERIES

### The Original Winch.

The rugged design of the PCW5000 still proudly bears the Portable Winch quality and durability signature; an ingenious product, built to deliver lasting power without compromise, everywhere.

The winch's capstan drum principle allows its user to pull a load over an unlimited length of rope, without loss of power, in a simple, efficient and safe manner. In addition, the PCW5000 offers two speed options thanks to the interchangeable 57 and 85 mm diameter drums. You can choose the one that will be best suited to your task. The 57 mm drum, that comes as standard on the winch, delivers all the power at a pulling speed of 12 meters per minute. For more speed, the 85 mm drum (sold separately) will allow you to reach a 50% higher pulling speed at 18 meters per minute.



CE

	<b>SINGLE LINE PULLING FORCE</b> 1000 KG		<b>SPEED</b> 12 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GXH50
	<b>DOUBLE LINE PULLING FORCE</b> 2000 KG		<b>WEIGHT</b> 16 KG		<b>POWERED BY</b> GAS
	<b>WINCH TILT</b> +/- 20°		<b>POWER</b> 1.6 kW   2.1 HP		<b>PRIVATE USE WARRANTY</b> 5 YEARS

# PCH2000

## Gas-Powered Pulling/Lifting Winch GX160

INDUSTRIAL SERIES

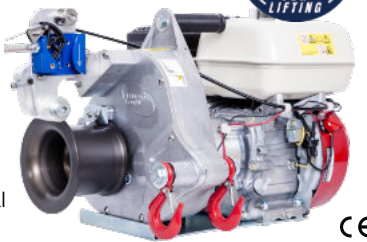


### The Almighty.

The only model with the 108 mm anodized drum.

This oversized drum offers a large friction surface for a better control of the load and a greater wear resistance while not increasing the conductivity of the rope. These attributes make the PCH2000 ideal for tasks around electrical structures! Developed for lifting heavier loads with its 160 cc engine, the PCH2000 is also equipped with a progressive capture system (PCS)

Once the rope is inserted into the PCS, the operator can activate the clutch and initiate movement by simply pulling on the rope. At any time, the ascent can be interrupted and the PCS will safely hold the load in suspension. To lower the load, simply pull the handle to disengage the restraint mechanism.



CE

	<b>SINGLE LINE PULLING FORCE</b> 1150 KG		<b>SPEED</b> 20 M/MIN		<b>MOTORIZATION</b> HONDA 4-STROKE GX160
	<b>DOUBLE LINE PULLING FORCE</b> 2300 KG		<b>WEIGHT</b> 34.5 KG		<b>POWERED BY</b> GAS
	<b>LIFTING CAPACITY</b> 450 KG		<b>POWER</b> 3.6 kW   4.8 HP		<b>WINCH TILT</b> +/- 20°
	<b>ROPE GRABBING SYSTEM</b> PCS		<b>CLUTCH</b> CENTRIFUGAL		<b>COMMERCIAL USE WARRANTY</b> 1 YEAR

# PCT1800

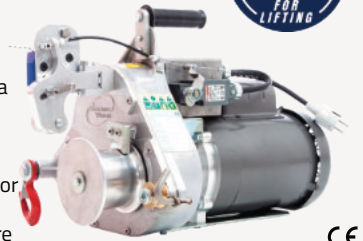
## Electric Pulling/Lifting Winch

INDUSTRIAL SERIES



### The Plug-In Winch.

The PCT1800 is recommended for situations where a traditional combustion engine is not permitted or where noise is a factor. This electric winch, designed for lifting and pulling, is ideal for works to be done indoors, for pulling wire through conduits for example, as well as outside, for hoisting various equipment. This winch is also equipped with the progressive capture system (PCS). Thus, once the rope is inserted into the restraint system, the operator can activate the winch and initiate movement by simply pulling on the rope. At any time, he can decide to stop lifting and the load will be held in suspension, in complete safety. He can also use the winch to lower a load by disengaging the PCS.



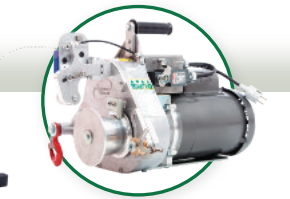
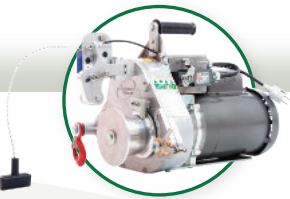
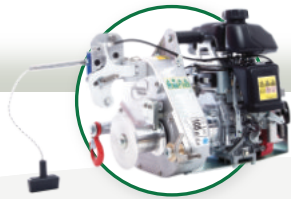
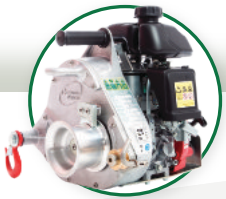
CE

	<b>SINGLE LINE PULLING FORCE</b> 820 KG		<b>SPEED</b> 8.8 M/MIN (1) 7.2 M/MIN (2)		<b>MOTORIZATION</b> BALDOR - 1 PH
	<b>DOUBLE LINE PULLING FORCE</b> 1640 KG		<b>WEIGHT</b> 24 KG (1)   27 KG (2)		<b>POWERED BY</b> ELEC 115 V / 230 V (1) ELEC 110 V / 220 V (2)
	<b>LIFTING CAPACITY</b> 250 KG		<b>POWER</b> 0.56 kW   0.75 HP		<b>WINCH TILT</b> 360°
	<b>ROPE GRABBING SYSTEM</b> PCS		<b>COMMERCIAL USE WARRANTY</b> 1 YEAR		

(1) PCT1800-60HZ. (2) PCT1800-50HZ.



MODEL	PCW3000-Li	PCW3000	PCW4000	PCW5000
Nomenclature	BATTERY-POWERED PULLING WINCH 80/82 V	GAS-POWERED PULLING WINCH GX35	GAS-POWERED PULLING WINCH GX50	GAS-POWERED PULLING WINCH GXH50
Series	PRO	PRO	PRO	PRO
Designed in	2018	2012	2020	2003
Designed for	Pulling	Pulling	Pulling	Pulling
<b>CAPSTAN DRUMS</b>				
Standard drum	Ø 76 mm	Ø 76 mm	Ø 76 mm	Ø 57 mm
Optional drum	---	---	---	Ø 85 mm
<b>PERFORMANCES</b>				
<b>Pulling capacity - Single line</b>				
Standard drum	1000 kg	700 kg	1000 kg	1000 kg
Optional drum	---	---	---	700 kg
<b>Lifting capacity - Single line</b>				
Standard drum	---	---	---	---
Optional drum	---	---	---	---
<b>Speed</b>				
Standard drum	8.1 m/min to 11.6 m/min	10 m/min	13.4 m/min	12 m/min
Optional drum	---	---	---	18 m/min
<b>WEIGHT AND DIMENSIONS</b>				
Weight	9.5 kg	9.5 kg	12 kg	16 kg
Dimensions (overall)	30.8 cm x 31.6 cm x 30.9 cm	35 cm x 28.9 cm x 26.1 cm	42 cm x 30 cm x 28.5 cm	37.1 cm x 36.6 cm x 36.6 cm
<b>ENGINE (MOTOR) / DRIVE / GEAR BOX</b>				
<b>Engine / motor</b>				
Brand	Portable Winch Co.	Honda	Honda	Honda
Model	---	GX35	GX50	GXH50
Type	Brushless electric motor with overload protection, 360° inclinable	4-stroke - air-cooled 360° inclinable	4-stroke - air-cooled 360° inclinable	4-stroke - air-cooled
Power	1.0 kW - 82 Volts	1.0 kW - 1.3 HP @ 7000 tr/min	1.47 kW - 2.0 HP @ 7000 tr/min	1.6 kW - 2.1 HP @ 7000 tr/min
Powered by	Lithium-Ion 80/82V battery - 2 to 6 Ah (not included)	Unleaded gasoline, 86 octane or higher	Unleaded gasoline, 86 octane or higher	Unleaded gasoline, 86 octane or higher
Fuel tank capacity	---	0.63 l	0.63 l	0.77 l
Oil tank capacity	---	100 ml	130 ml	250 ml
<b>Drive</b>				
Clutch	---	---	Centrifugal	---
Direct drive	Yes	Yes	---	Yes
Drum turns when engine is idling	Yes	Yes	No	Yes
<b>Gear box</b>				
Rope retention system	---	---	Quick release automatic anti roll-back device (ARM)	---
Gear ratio	200:1	200:1	200:1	110:1
Housing	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Gears	Heat treated 3-stage helical & spur gears	Heat treated 3-stage helical & spur gears	Heat treated 3-stage helical & spur gears	Heat treated 3-stage spur gears
Shafts	Mounted on ball bearings	Mounted on ball bearings	Mounted on ball bearings	Mounted on ball bearings
Lubrication	Oil bath	Oil bath	Oil bath	Oil bath
Brake	Anti-reversing roller clutch bearing	Anti-reversing roller clutch bearing	Anti-reversing roller clutch bearing	Anti-reversing roller clutch bearing
Work cycle	Continuous	Continuous	Continuous	Continuous
<b>ROPES (NOT INCLUDED) - FROM PORTABLE WINCH CO.</b>				
Recommended type	Low stretch double braided polyester	Low stretch double braided polyester	Low stretch double braided polyester	Low stretch double braided polyester
Length	Unlimited	Unlimited	Unlimited	Unlimited
<b>For pulling</b>				
Minimum diameter	Ø 10 mm	Ø 10 mm	Ø 10 mm	Ø 10 mm
Maximum diameter	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
Recommended diameter	Ø 10 mm	Ø 10 mm	Ø 10 mm	Ø 12 mm
<b>For lifting</b>				
Minimum diameter	---	---	---	---
Maximum diameter	---	---	---	---
Recommended diameter	---	---	---	---
<b>ANCHOR</b>				
Included	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m
<b>WARRANTY</b>				
Private use	5 years	5 years	5 years	5 years
Commercial use	1 year	1 year	1 year	1 year
Engine / motor	Portable Winch Co. Int'l Warranty	Honda International Warranty	Honda International Warranty	Honda International Warranty
<b>CERTIFICATIONS</b>				
CE Certification	Yes	Yes	Yes	Yes
IP / Nema Certification	IPX3	---	---	---
(ISO) Lifting Classification	---	---	---	---



PCW5000-HS	PCH1000	PCH2000	PCT1800-50HZ	PCT1800-60HZ
HIGH-SPEED GAS-POWERED PULLING WINCH GXH50	GAS-POWERED PULLING/LIFTING WINCH GXH50	GAS-POWERED PULLING/LIFTING WINCH GX160	ELECTRIC PULLING/LIFTING WINCH 50HZ	ELECTRIC PULLING/LIFTING WINCH 60HZ
INDUSTRIAL	INDUSTRIAL	INDUSTRIAL	INDUSTRIAL	INDUSTRIAL
2011	2009	2016	2009	2009
Pulling	Pulling / Lifting	Pulling / Lifting	Pulling / Lifting	Pulling / Lifting
Ø 85 mm	Ø 57 mm	Ø 108 mm	Ø 85 mm	Ø 85 mm
Ø 57 mm	Ø 85 mm	---	Ø 57 mm	Ø 57 mm
350 kg	775 kg	1150 kg	820 kg	820 kg
500 kg	540 kg	---	1000 kg	1000 kg
---	250 kg	450 kg	250 kg	250 kg
---	175 kg	---	250 kg	250 kg
36 m/min	12 m/min	20 m/min	7.2 m/min	8.8 m/min
24 m/min	18 m/min	---	4.8 m/min	5.8 m/min
16 kg	19 kg	34.5 kg	27 kg	24 kg
37.1 cm x 36.6 cm x 36.6 cm	50.5 cm x 36.6 cm x 36.6 cm	56 cm x 48.3 cm x 35.6 cm	55.6 cm x 36.6 cm x 36.6 cm	55.6 cm x 36.6 cm x 36.6 cm
Honda	Honda	Honda	Baldor	Baldor
GXH50	GXH50	GX160	VL3506-50	VL3506
4-stroke - air-cooled	4-stroke - air-cooled	4-stroke - air-cooled	AC Electric TEFC 110 / 220 VAC 1 ph - 50 Hz	AC Electric TEFC - 115 / 230 VAC 1 ph - 60 Hz
1.6 kW - 2.1 HP @ 7000 tr/min	1.6 kW - 2.1 HP @ 7000 tr/min	3.6 kW - 4.8 HP @ 3600 tr/min	0.56 kW - 0.75 HP @ 2850 tr/min	0.56 kW - 0.75 HP @ 3450 tr/min
Unleaded gasoline, 86 octane or higher	Unleaded gasoline, 86 octane or higher	Unleaded gasoline, 86 octane or higher	220 V power supply	115 V power supply
0.77 l	0.77 l	3.1 l	---	---
250 ml	250 ml	580 ml	---	---
---	Centrifugal	Centrifugal	---	---
Yes	---	---	Yes	Yes
Yes	No	No	No idle on electric motors	No idle on electric motors
---	Progressive capture system (PCS)	Progressive capture system (PCS)	Progressive capture system (PCS)	Progressive capture system (PCS)
53:1	110:1	53:1	110:1	110:1
Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Heat treated 3-stage spur gears	Heat treated 3-stage spur gears	Heat treated 3-stage spur gears	Heat treated 3-stage spur gears	Heat treated 3-stage spur gears
Mounted on ball bearings	Mounted on ball bearings	Mounted on ball bearings	Mounted on ball bearings	Mounted on ball bearings
Oil bath	Oil bath	Oil bath	Oil bath	Oil bath
Anti-reversing roller clutch bearing	Anti-reversing roller clutch bearing	Unidirectional double bearing	Anti-reversing roller clutch bearing	Anti-reversing roller clutch bearing
Continuous	Continuous	Continuous	25% (15 min/h to prevent motor overheating)	25% (15 min/h to prevent motor overheating)
Low stretch double braided polyester	Low stretch double braided polyester with eye splice and thimble	Low stretch double braided polyester with eye splice and thimble	Low stretch double braided polyester with eye splice and thimble	Low stretch double braided polyester with eye splice and thimble
Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Ø 10 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
---	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
---	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
---	Ø 12 mm	Ø 12 mm	Ø 12 mm	Ø 12 mm
Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m	Polyester sling - 60 mm x 2 m
5 years	2 years	2 years	2 years	2 years
1 year	1 year	1 year	1 year	1 year
Honda International Warranty	Honda International Warranty	Honda International Warranty	Baldor (ABB) International Warranty	Baldor (ABB) International Warranty
Yes	Yes	Yes	Yes	Yes
---	---	---	IP54	IP54
---	M3	M3	M3	M3



## ACCESSORIES

Regardless of how or where you use your winch, we have the necessary and best suited accessories. You can then get the most out of it, no matter the situation! From ropes to carabiners, including pulleys and anchoring systems, everything was designed to facilitate and optimize your work.

## ROPES

For a better performance, always use Portable Winch Co. ropes with your winch. Its double-braided construction makes it durable and features low stretch for increased safety. Its low cost and resistance to abrasion make it a good choice for using with our capstan winches, where it is subject to friction and intense heat.

For pulling, the usual rope end is a bowline knot. It will always be easy to undo, in the case you want to change the hook at the end of the rope.

Splice with galvanized steel thimble is available on some ropes. It provides protection against wear caused by carabiners, shackles and hooks attached at the end of the rope. In addition, the splice maintains almost 100% of the rope capacity, unlike a knot, which reduces its capacity by at least 30%.

Splices at both ends of the rope also allow it to be flipped over from time to time so it wears out evenly on its entire length. Highly recommended for all lifting operations.



POLYESTER DOUBLE BRAIDED ROPES - Ø 10 MM - MINIMUM BREAKING STRENGTH (MBS) 2200 KG		WEIGHT
PCA-1205M	10 MM X 50 M	3.5 KG
PCA-1203M	10 MM X 100 M	7 KG
PCA-1206M	10 MM X 200 M	14 KG
PCA-1203M2ESC	10 MM X 100 M WITH TWO EYE SPLICES AND THIMBLES	7 KG
POLYESTER DOUBLE BRAIDED ROPES - Ø 12 MM - MINIMUM BREAKING STRENGTH (MBS) 3300 KG		
PCA-1215M	12 MM X 50 M	5.5 KG
PCA-1213M	12 MM X 100 M	11 KG
PCA-1216M	12 MM X 200 M	22 KG
PCA-1218M	12 MM X 300 M	33 KG
PCA-1213M2ESC	12 MM X 100 M WITH TWO EYE SPLICES AND THIMBLES	11 KG
PCA-1216M2ESC	12 MM X 200 M WITH TWO EYE SPLICES AND THIMBLES	22 KG
PCA-1218M2ESC	12 MM X 300 M WITH TWO EYE SPLICES AND THIMBLES	33 KG

## ROPE BAGS

These rope bags are handy for storing and carrying your rope and small accessories.

They prevent the rope from tangling up since you push it inside instead of wrapping it around your arm or a spool.

**A COOL TIP:** Attach a carabiner to your belt loop and pass the rope through it, then push it to the bottom of your bag!

## CARABINERS

Multi-purpose carabiners with screw gate lock. Useful for attaching:

- A pulley to a tree or to a load;
- A polyester sling to a vehicle or two slings together;
- A hook to a rope;
- All other applications according to your needs.

See p. 15 for more info on breaking strengths.



**PCA-0103**  
ROPE BAG  
FOR PCA-0104  
PACK FRAME

Resistant vinyl

Capacity:  
Ø10 MM = 50 M  
Ø12 MM = N/A

**PCA-1255**  
SMALL ROPE BAG

Durable nylon

Capacity:  
Ø10 MM = 100 M  
Ø12 MM = 50 M

**PCA-1256**  
MEDIUM ROPE BAG  
(WITH SHOULDER  
STRAPS)

Durable nylon

Capacity:  
Ø10 MM = 200 M  
Ø12 MM = 100 M

**PCA-1257XL**  
EXTRA LARGE  
ROPE BAG

Durable nylon with  
rigid bottom

Capacity:  
Ø10 MM = 400 M  
Ø12 MM = 200 M



**PCA-1276**  
CARABINER  
17 MM OPENING

Zinc-plated steel and high-quality anodized aluminium.

Minimum Breaking Strength : 25 kN

CE

**PCA-1702**  
CARABINER  
20.5 MM OPENING

Zinc-plated steel and high-quality anodized aluminium.

Minimum Breaking Strength : 50 kN

CE

**PCA-1701**  
CARABINER  
29 MM OPENING

Zinc-plated steel and high-quality anodized aluminium.

Minimum Breaking Strength : 70 kN








CE



## PULLEYS

Multiply your pulling power by two, three or four times using pulleys. You can also use them to change the trajectory of the rope or the pulling angle! Their oscillating plates eliminate the need to thread the rope and allow them to be installed very quickly. In addition, they prevent the rope from coming out once closed. Finally, the self-locking pulleys help retain a load, which comes in very handy in many situations.

See p. 14 for more info on the mechanical advantages.

						
<b>PCA-1275</b>	<b>PCA-1274</b>	<b>PCA-1283</b>	<b>PCA-1273</b>	<b>PCA-1292</b>	<b>PCA-1271</b>	<b>PCA-1272</b>
SINGLE PULLEYS		DOUBLE PULLEYS		SINGLE PULLEY	SELF-LOCKING PULLEYS	
					SINGLE	DOUBLE
SWING SIDES						
STAINLESS STEEL SIDE PLATES AND ALUMINIUM SHEAVES				ALL ALUMINIUM		
Ø 76 MM	Ø 100 MM	Ø 76 MM	Ø 100 MM	Ø 63 MM	Ø 62 MM	
60 kN (MBS)	90 kN (MBS)		135 kN (MBS)	50 kN (MBS)	40 kN (MBS)	
Ø ROPE 10 MM	Ø ROPE 10 TO 12 MM			Ø ROPE 10 TO 12 MM		



## BLOCK AND TACKLE

Pulleys are extremely useful for creating a mechanical advantage, that is to say reducing the force required to move a mass. With the right number of pulleys,

it is possible to move loads two, three and even four times greater than the force applied. This pulley combination is called a block and tackle system. When we use pulleys to multiply the force applied, we also reduce the pulling or lifting speed, by the same factor.

## HOOKS

Various hooks for several uses.



**PCA-1281**  
SAFETY HOOK WITH LATCH

Minimum Breaking Strength : 29.5 kN



**PCA-1282**  
GRAB HOOK WITH LATCH AND 3 CHAIN LINKS

Minimum Breaking Strength : 56 kN



**PCA-1299**  
C-HOOK

Minimum Breaking Strength : 56 kN

## OTHER ACCESSORIES

Discover our other accessories to complete your work such as the skidding cone, which protects young trees in your woodlot, prevents logs from getting stuck in roots, stumps or other trees. You will also find the open-face corner block that is used with the automatic release and the ATV (QUAD) pulling plate.



**PCA-1290**  
SKIDDING CONE FOR LOGS  
50 CM OPENING



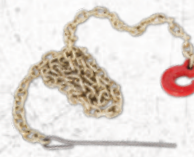
**PCA-1270**  
STEEL OPEN-FACE CORNER BLOCK  
Ø 100 MM



**PCA-1291**  
AUTOMATIC RELEASE FOR OPEN-FACE CORNER BLOCK



**PCA-1310**  
PULLING PLATE FOR TOW BALL UP TO 50.8 MM



**PCA-1295**  
CHOKER CHAIN WITH C-HOOK AND STEEL ROD  
6.4 MM X 2.1 M

Minimum Breaking Strength : 56.9 kN



**PCA-1372**  
SYNTHETIC ROPE CHOKER WITH STEEL ROD  
10 MM X 2.1 M

Minimum Breaking Strength : 69 kN



**PCA-1151<sup>(1)</sup> / PCA-1152<sup>(2)</sup>**  
SPARK ARRESTERS FOR HONDA ENGINES

(1) Honda GXH50  
(2) Honda GX160

## ANCHORINGS

As our winches are portable, they can be anchored anywhere! Portable Winch Co. has developed different modular anchoring devices that allow a wide variety of fixed objects to be used as anchor points. Whether it is a cylindrical object (tree, pole, etc.), a vehicle, a pylon, and even a floor, all can be used as an anchor point for your winch, using the right equipment especially designed for this purpose.



### PCA-1260<sup>(1)</sup> / PCA-1259<sup>(2)</sup> / PCA-1258<sup>(3)</sup> POLYESTER SLINGS

(1) 60 MM x 2 M  
(2) 60 MM x 2.5 M  
(3) 60 MM x 3 M

Working Load Limit (WLL)  
Straight Line: 2000 KG  
Basket «U»: 4000 KG  
Choker: 1600 KG

For all winches.

See fig. 1.

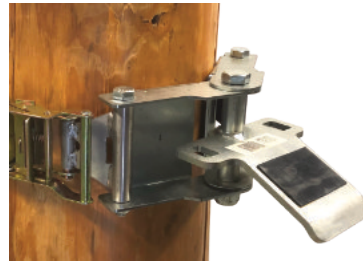


### PCA-1261 ANCHOR PLATE

For towing balls up to 58.7 MM

For winches PCW3000-Li, PCW3000, PCW4000, PCW5000, PCW5000-HS.

See fig. 8.



### PCA-1269 ANCHORING SYSTEM FOR TREES AND POSTS

For winches PCW3000-Li, PCW3000, PCW4000, PCW5000, PCW5000-HS.

See fig. 2.



### PCA-1263 ANCHORING SYSTEM FOR TREES AND POSTS WITH RUBBER PADS

For all winches.

See fig. 3 to 7.

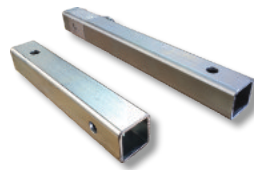


### PCA-1266 HECK-PACK ANCHORING SYSTEM

With adaptor for european 50-MM towing balls

For all winches.

See fig. 14 to 18.



### PCA-1267<sup>(1)</sup> / PCA-1501<sup>(2)</sup> SQUARE TUBES FOR TRAILER HITCH - CAT III

(1) 51 MM X 51 MM X 30.5 CM  
(2) 51 MM X 51 MM X 45.7 CM

For all winches.

See fig. 9 to 13.



### PCA-1806 ANCHORING SYSTEM FOR PYLON WITH 90° V-SHAPED MAIN MEMBRANE

For all winches.

See fig. 19 to 23.



### PCA-1805 ANCHORING SYSTEM FOR FLOORS (4 DIFFERENT ANGLES)

For all winches.

See fig. 24.



### PCA-1268 WINCH SUPPORT PLATE

For winches PCW3000-Li, PCW3000, PCW4000, PCW5000, PCW5000-HS, PCH1000.

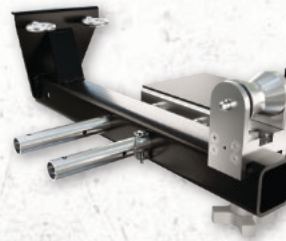
See fig. 3, 9, 14, 19.



### PCA-1332 PIVOTING ANCHOR FOR VERTICAL PULLING WINCH SUPPORTS

For all winches.

See fig. 4, 5, 10, 11, 15, 16, 20, 21.



### PCA-1264 WINCH SUPPORT FOR VERTICAL PULLING

For winches PCW3000-Li, PCW3000, PCW5000, PCW5000-HS, PCH1000, PCT1800.

See fig. 4, 6, 10, 12, 15, 17, 20, 22.

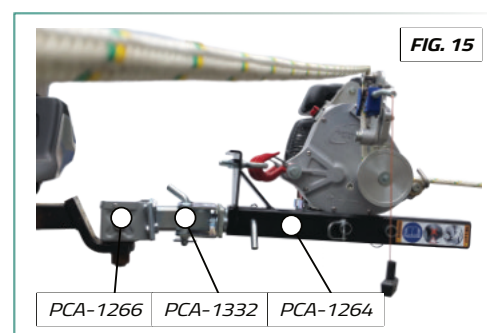
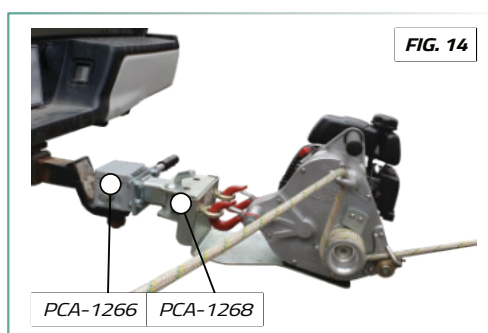
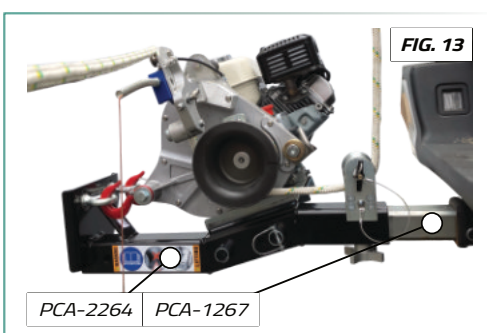
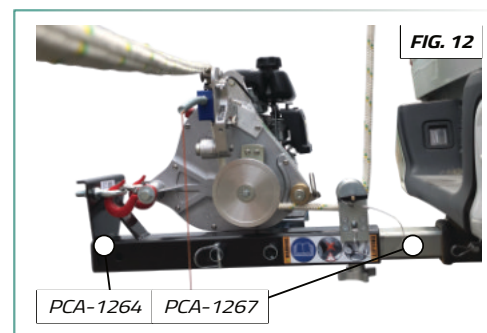
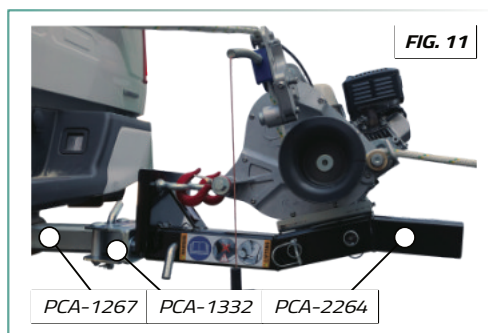
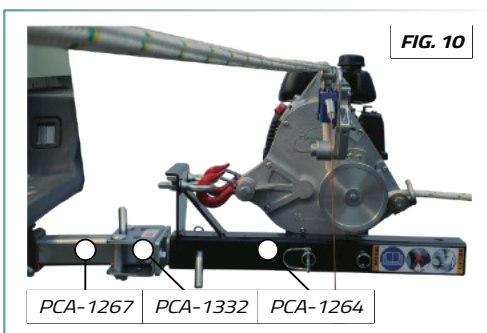
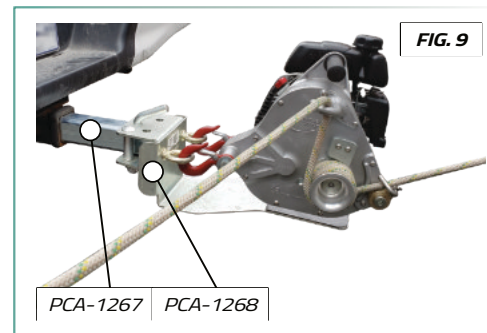
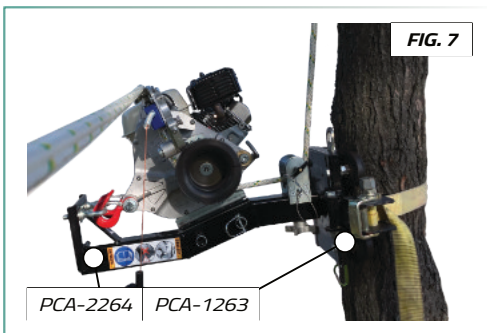
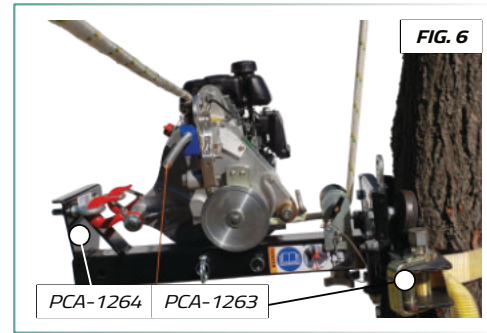
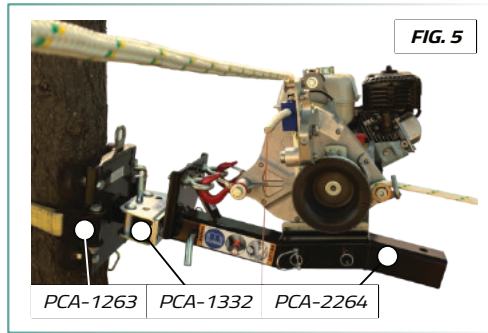
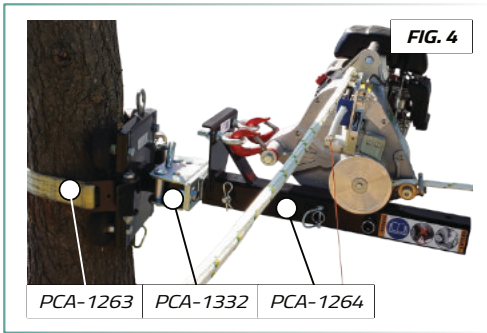
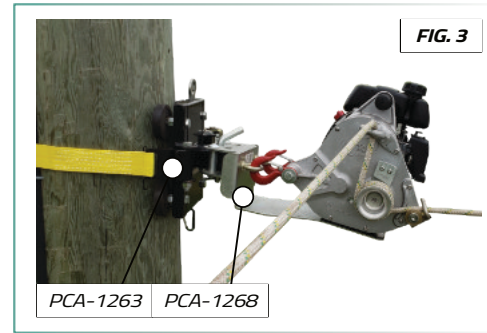
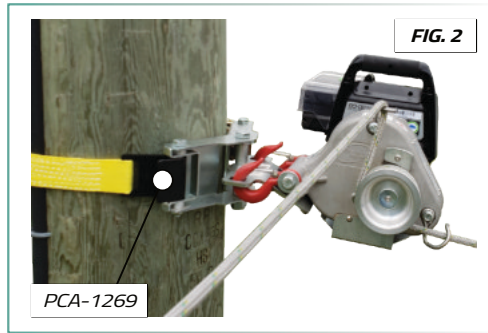
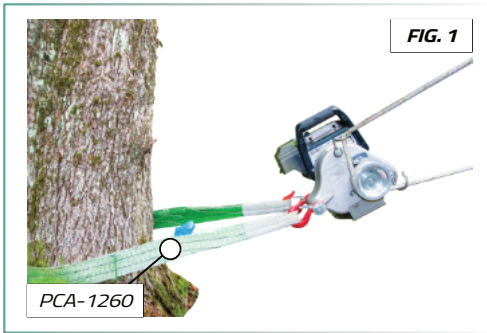


### PCA-2264 WINCH SUPPORT FOR VERTICAL PULLING

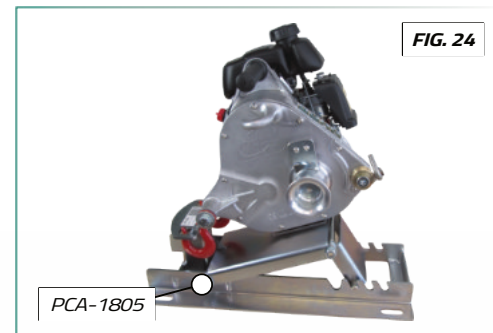
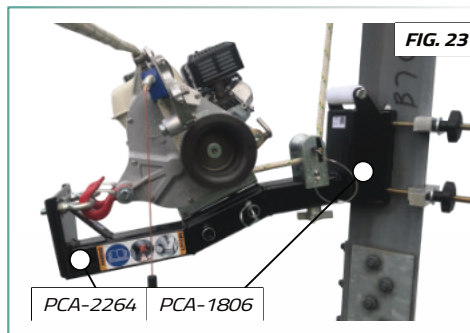
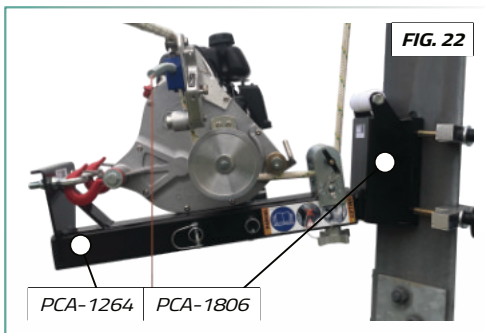
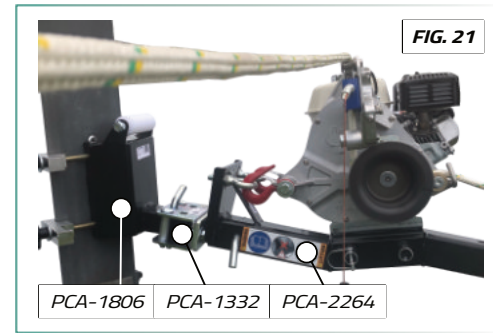
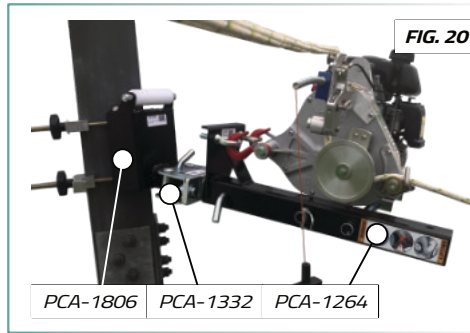
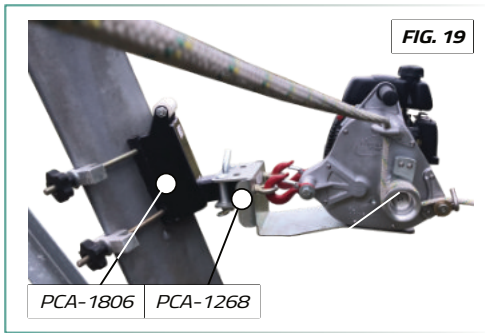
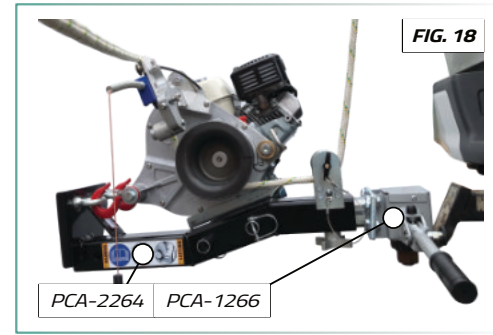
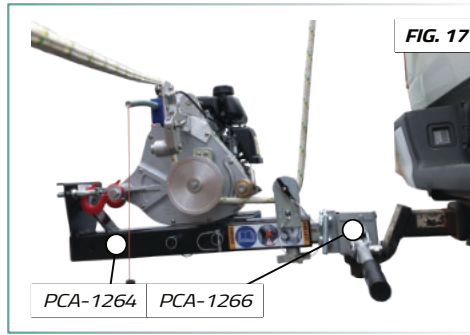
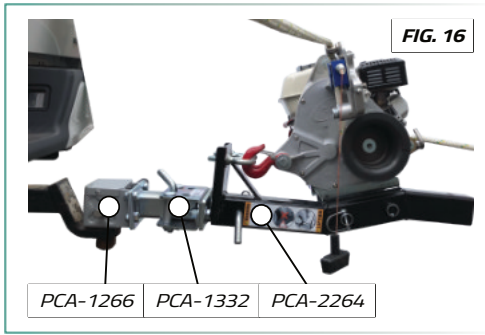
For winches PCW4000, PCH2000.

See fig. 5, 7, 11, 13, 16, 18, 21, 23.

# ANCHORINGS



# ANCHORINGS



## DID YOU KNOW

A capstan was initially used to move heavy weights primarily on ships by using ropes, cables or chains.

They were also used in marshalling yards to position freight cars. The adhesion between the rope and the drum depends on the friction and the number of turns on the drum.

## CAPSTAN DRUMS

Capstan drums can be replaced on winches when worn out or in order to increase either the speed or the capacity of the winch. All models are supplied with their corresponding rope guide.



**PCA-1110**  
Ø 57 MM  
with rope guide and 2 screws

For winches PCW5000, PCW5000-HS, PCH1000, PCT1800.



**PCA-1120**  
Ø 76 MM  
with rope guide and 1 screw

For winches PCW3000, PCW3000-Li and PCW4000.



**PCA-1100**  
Ø 85 MM  
with rope guide and 2 screws

For winches PCW5000, PCW5000-HS, PCH1000, PCT1800.



**PCA-1130**  
Ø 108 MM  
with rope guide and 2 screws

For winch PCH2000.

## CARRYING EQUIPMENT

No matter where you need to bring your winch, getting around will be easy with the various transport systems. Protect your investment and keep your tools in one place, so you can find everything ready for your next trip!



**PCA-0106**  
TRANSPORT BAG WITH COMPARTMENTS

For winches PCW3000, PCW3000-Li and PCW4000.



**PCA-0104**  
MOLDED PACK FRAME FOR TRANSPORT CASE PCA-0102

For winch PCW3000.



**PCA-0102**  
MOLDED TRANSPORT CASE

For winch PCW3000.



**PCA-0100**  
MOLDED TRANSPORT CASE

For winches PCW5000 and PCW5000-HS.



**PCA-0340**  
TRANSPORT CASE WITH REMOVABLE CASTERS

For winches PCW5000, PCW5000-HS and PCH1000.



**PCA-1630**  
TRANSPORT CASE WITH WHEELS

For winches PCW5000, PCW5000-HS, PCH1000, PCH2000 and PCT1800.

## BATTERIES AND CHARGERS FOR PCW3000-Li

Lithium-Ion Batteries:

- Are compatible with several battery tools;
- Are rechargeable to full capacity at any time;
- Are equipped with an energy gauge displaying the remaining charge level;
- Benefit from a low self-discharge rate when not in use;
- Can be used indoors or outdoors.



Note: Several brands and models of batteries and chargers are compatible with the PCW3000-Li.

Non-exhaustive list. Other brands or models could be added. We invite you to contact your dealer to find out which ones are available in your area.

BATTERIES														
Brand	BRIGGS & STRATTON / SNAPPER XD			GREENWORKS COMMERCIAL			GREENWORKS PRO		CRAMER			STIGA		
Model	BSB2AH82	BSB4AH82	BSB5AH82	GL 250	GL 400	GL 500	2901302	2902502	82V220G	82V430G	82V430	SBT 2580 AE	SBT 4080 AE	SBT 5080 AE
Voltage	82 V	82 V	82 V	82 V	82 V	82 V	80 V	80 V	82 V	82 V	82 V	80 V	80 V	80 V
Amp Hours	2 Ah	4 Ah	5 Ah	2.5 Ah	4 Ah	5 Ah	2 Ah	5 Ah	3 Ah	6 Ah	6 Ah	2.5 Ah	4 Ah	5 Ah
Recharge Time	30 min	60 min	75 min	36 min	60 min	72 min	30 min	90 min	45 min	90 min	90 min	40 min	60 min	75 min
Weight	1.5 kg	2.6 kg	2.6 kg	1.5 kg	2.6 kg	2.6 kg	1.5 kg	2.5 kg	1.6 kg	2.6 kg	3.1 kg	1.6 kg	2.5 kg	2.5 kg

CHARGERS								
Brand	BRIGGS & STRATTON / SNAPPER XD		GREENWORKS COMMERCIAL		GREENWORKS PRO	CRAMER		STIGA
Model	BSRC82		GC 400	GC 420	2901402	82C1G	82C2	SFC 80 AE
Voltage	82 V		82 V	82 V	80 V	82 V	82 V	80 V
Rated Capacity	4 A		4 A	4 A	4 A	4 A	4 A	4 A
No. of Slots	1		1	2	1	1	2	1
Weight	1.5 kg		1.6 kg	2 kg	1.5 kg	1.6 kg	2 kg	1.3 kg

## CREATING A MECHANICAL ADVANTAGE

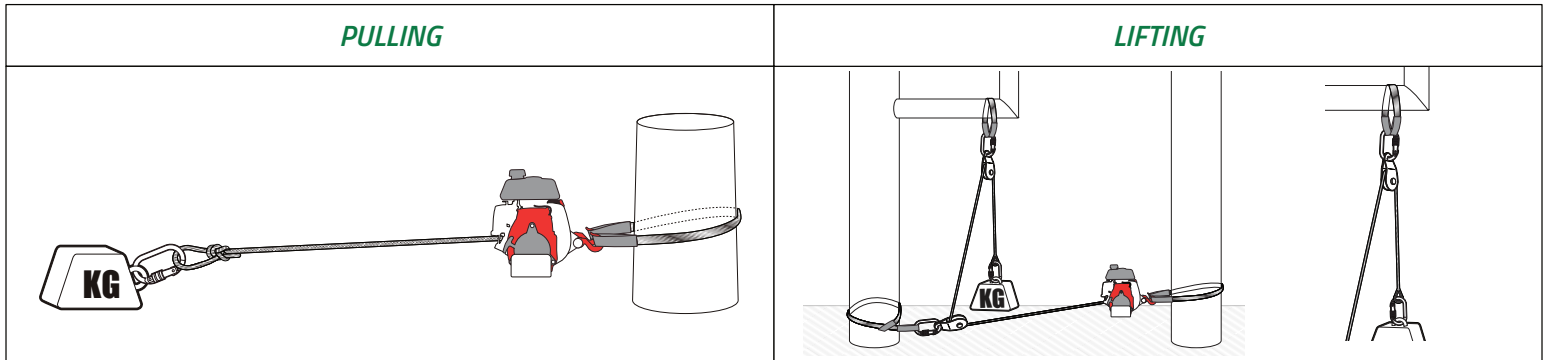
The use of pulleys offers a mechanical advantage by reducing the force required to move a mass. It is therefore possible to double, triple, quadruple or quintuple the capacity of a system by using pulleys. In order to generate a mechanical advantage, at least one pulley must be attached to the load. Here are some examples.



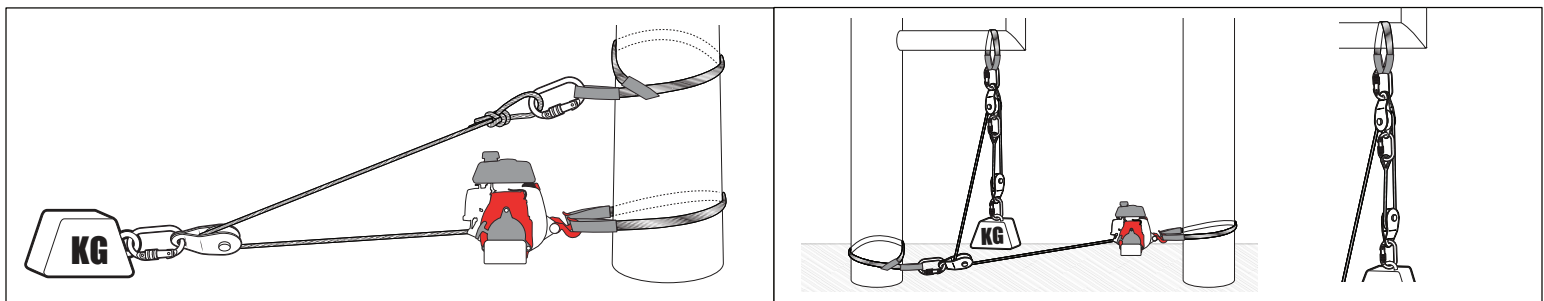
## A PULLEY, A CARABINER, A SLING

In general, each pulley must be fixed to a solid anchoring point using a carabiner and a sling while respecting the appropriate safety factor. Therefore, for each pulley, a carabiner of an appropriate capacity and a sling are required. See the safety factors on the next page.

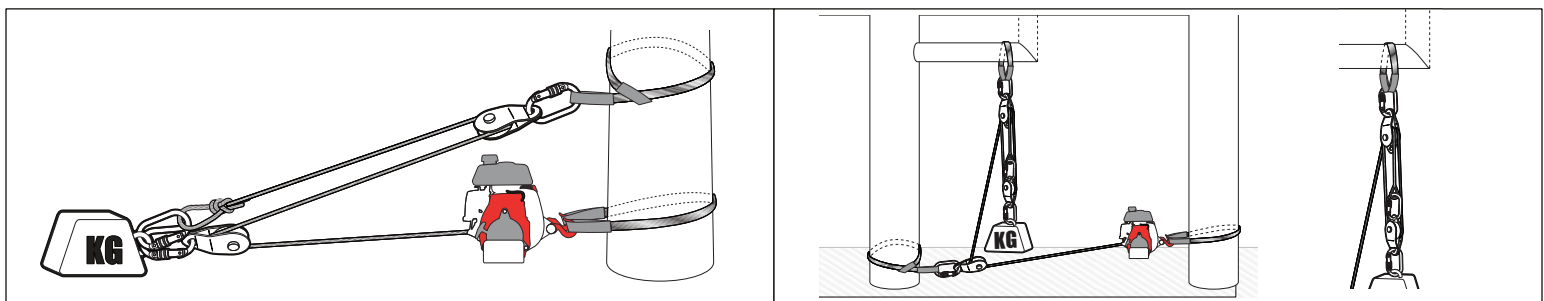
### WITHOUT MECHANICAL ADVANTAGE - DIRECT LINE



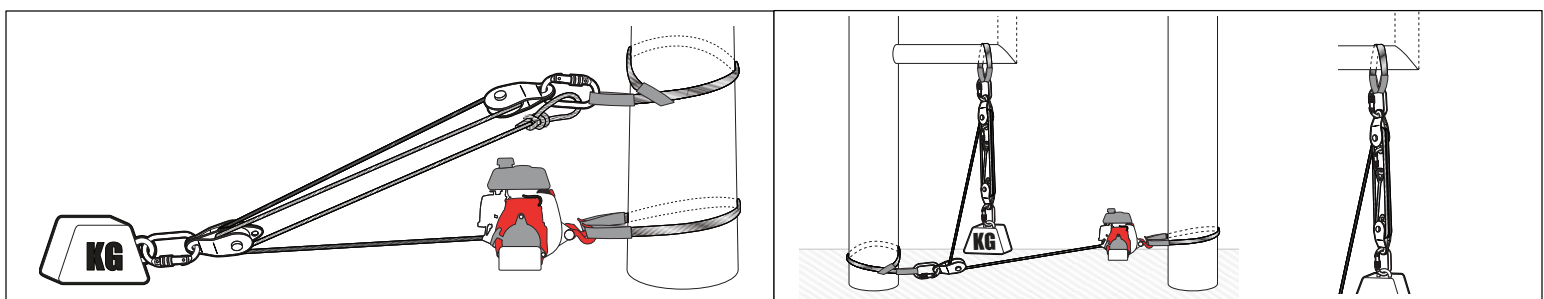
### MECHANICAL ADVANTAGE X 2



### MECHANICAL ADVANTAGE X 3



### MECHANICAL ADVANTAGE X 4



## SAFETY FACTORS

Equipment manufacturers rate their goods' resistance according to their breaking strength, which is established during a destructive test. It is the point where the piece of equipment may break, which means that never a force close to the rated minimum breaking strength should be applied. The equipment should rather be used considering an appropriate safety factor. The working load limit (WLL) is generally the minimum breaking strength (MBS) divided by the safety factor (SF):

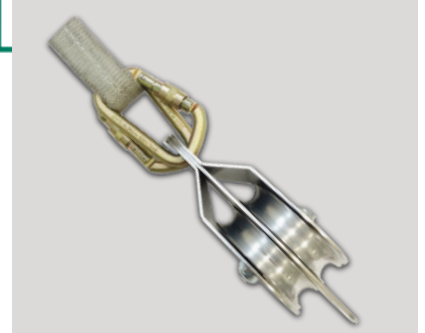
$$WLL = MBS/SF$$

The safety factor is determined by the operator according to the following criteria:

- 1- The level of danger for human life and for property;
- 2- The reliability of the material and rigging equipment as well as their age and condition;
- 3- The load condition; static, variable, load shock (rope kickback);
- 4- The level of awareness of the load weight to be moved;
- 5- The type of application.

For example, lifting goods requires a higher safety factor than pulling non-rolling goods on the ground. Besides, lifting operations are often subject to standards, laws and regulations.

It is therefore essential to refer to the local regulations applicable to your area.



## A 2<sup>ND</sup> CARABINER TO THE RESCUE

When the breaking strength of a single carabiner is insufficient to meet the desired safety factor, two carabiners with the openings opposite and reversed can be used to double the breaking strength as shown on the photo.

### EXAMPLES OF SAFETY FACTORS

PULLING

2 TO 3

LIFTING

5 TO 6

FOR CORDAGE

7 TO 10

IF A LIFE DEPENDS ON IT

10

## CARABINERS - BREAKING STRENGTHS

Portable Winch carabiners have different minimum breaking strengths. When the force exerted is multiplied through a block and tackle system, the carabiners located on each end are subject to significant forces. A sufficient safety factor must then be taken into account so that the equipment operates safely.

Refer to the table to find out the safety factor obtained with each of the carabiners based on the load to move.

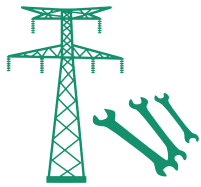
### SAFETY FACTORS

LOAD WEIGHT (KG)	PCA-1276 [25KN]	PCA-1702 [50KN]	PCA-1701 [70KN]
250	10.2	20.4	28.6
500	5.1	10.2	14.3
750	3.4	6.8	9.5
1000	2.6	5.1	7.1
2000	1.3	2.6	5.3
3000	N/A	1.7	2.4

N/A

**NOT RECOMMENDED  
(DANGER)**

**RECOMMENDED  
(DEPENDING ON USE)**



SELECT YOUR LOCAL  
PORTABLE WINCH  
WEBSITE AT

***PORTABLEWINCH.INFO***  
***AND FIND YOUR  
DEALER / DISTRIBUTOR***

DEALER

**Portable winch co. Head office:**

1170, Thomas-Tremblay  
Sherbrooke, Québec, Canada, J1G 5G5

[info@portablewinch.com](mailto:info@portablewinch.com)  
+1 819 563-2193

Toll-free (CAN & USA): 1 888 388-7855

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