

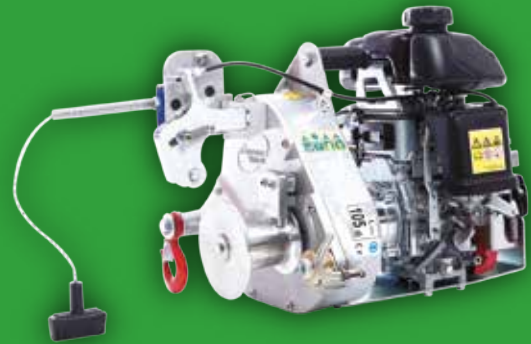


**LIGHTER
STRONGER
SMARTER**

**PORTABLE TOOLS FOR
LIFTING AND PULLING LOADS
COMPLETE LINE-UP**



PCH1000 – GAS-POWERED WINCH



PCW5000 – GAS-POWERED WINCH



PCT1800 – ELECTRIC WINCH



WWW.PORTABLEWINCH.COM

PORTABLE CAPSTAN WINCHES WORLD LEADER

Portable Winch Co. offers portable tools for lifting and pulling loads. All our products are designed to perform complex or strenuous tasks in a simple manner. Our wide product range is used around the world in diverse applications such as forestry, hunting, construction, telecommunication and infrastructure, to name a few.

We became the WORLD LEADER by designing winches incorporating exclusive features and technology enabling great autonomy while being inherently safe to use. Therefore they are portable, compact, simple and easy to use.



SECTORS AND APPLICATIONS:

- Telecommunication infrastructures, towers and antennae;
- Power utility infrastructures, pylons and transmission lines;
- Lifting transformers and isolators;
- Fiber optic installation and cable pulling;
- Search and rescue operations;
- Agriculture and forestry;
- Construction;
- Mining, oil & gas;
- Railway cable pulling;
- Marine applications, such as pulling nets, boats or docks;
- Scientific research;
- Adventure and exploration: there's no limit!



ADVANTAGES

- **Light**
- **Powerful**
- **Portable**
- **Reliable**
- **Durable**
- **Rugged**
- **Tireless**
- **Simple**
- **Safe**
- **Compact**
- **Constant**
- **Quick attach**
- **Unlimited length of rope**
- **Smart**

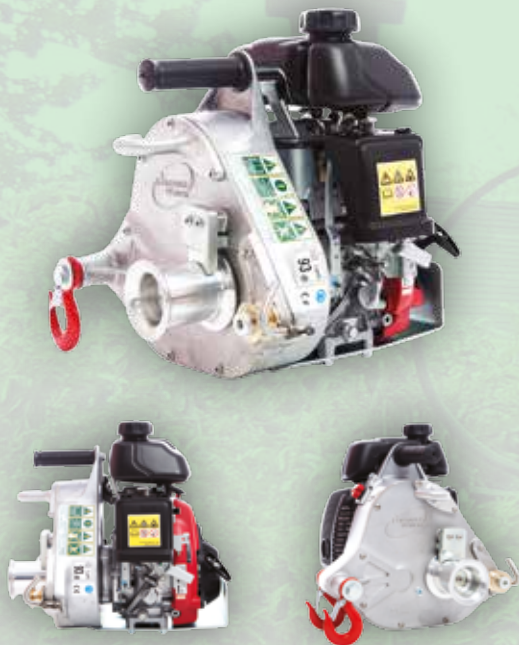


PORTABLE WINCH UNIQUE FEATURES:

LIGHT AND PORTABLE	One can carry it where it is needed.
HIGH-PERFORMANCE	Constant pulling power and many variants of power and speeds depending on the engine and drum selected.
AUTONOMOUS	Since the winch is equipped with a petrol-powered engine, no external energy source is required.
RELIABLE	A Honda engine will start, no matter what.
ENDURING	Highest quality components ensure continuous use and long life.
SIMPLE	Once the winch is anchored, you need only to wrap the rope around the drum and pull.
SAFE	The operator is never standing in the pulling axis.
UNLIMITED ROPE LENGTH	Thanks to the capstan principle, the rope does not accumulate on the drum but merely goes thru.
SYNTHETIC ROPE	No more wire rope! Polyester ropes have low stretch properties and are very comfortable to work with.
QUICK ANCHORING	Anchor your winch to anything in a few seconds.

PCW5000

GAS-POWERED PULLING WINCH MAX. PULLING FORCE :1000 KG



Our first and still most popular model!

Perfect for pulling heavy loads!

Powered by Honda's 4-stroke GXH-50cc engine, it is designed for the big jobs. Weighing only 16 kg, it provides 1000 kg of pulling power. In addition, you benefit from two speed options with interchangeable capstan drums.

If you go for POWER, you will use the included 57 mm drum pulling at 12 meters per minute. If your application requires more SPEED, you will select the optional 85 mm drum* pulling at 18 meters per minute.

The PCW5000 Portable Capstan Winch can be used with any length of 12 mm low stretch double braided polyester rope and all of the Portable Winch equipment and accessories.

The PCW5000 will be your ally for many years to come!

*Drum sold separately (PCA-1100)

MAX. PULLING FORCE	WEIGHT	SPEED
1000 KG	16 KG	12 M/MIN

PCW5000-HS

HIGH-SPEED GAS-POWERED PULLING WINCH MAX. PULLING FORCE : 350 KG



When speed is what you need!

This high-speed version of the PCW5000 was designed specifically for cable pulling and fiber optic installation. Powered by Honda's 4-stroke GXH-50cc engine, this model will winch 350 kg at a speed of 36 meters per minute with the installed 85 mm drum. That's twice the speed of the PCW5000!

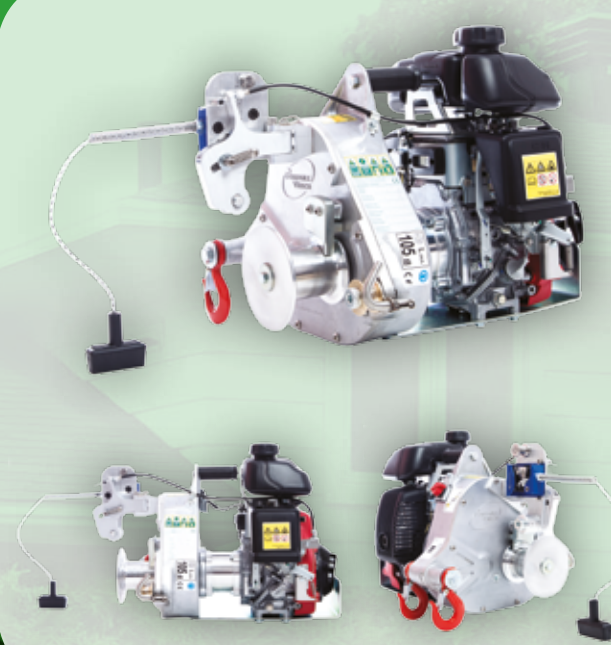
It can be used with any length of 12 mm low stretch double braided polyester rope and all of the Portable Winch equipment and accessories.

This winch will be a great ally on any jobsite!

MAX. PULLING FORCE	WEIGHT	SPEED
350 KG	16 KG	36 M/MIN

PCH1000

GAS-POWERED PULLING/LIFTING WINCH MAX. PULLING FORCE : 775 KG



The right tool for lifting!

The PCH1000 was specifically designed for lifting applications on a construction site such as assembling telecommunication and power utility infrastructures. This winch can lift loads of 250 kg in a single line and a block and tackle system will increase the lifting capacity to 500 kg.

For the operator's safety, it is equipped with a rope grabbing system which will prevent the load from dropping inadvertently.

This system allows lifting and lowering of loads.

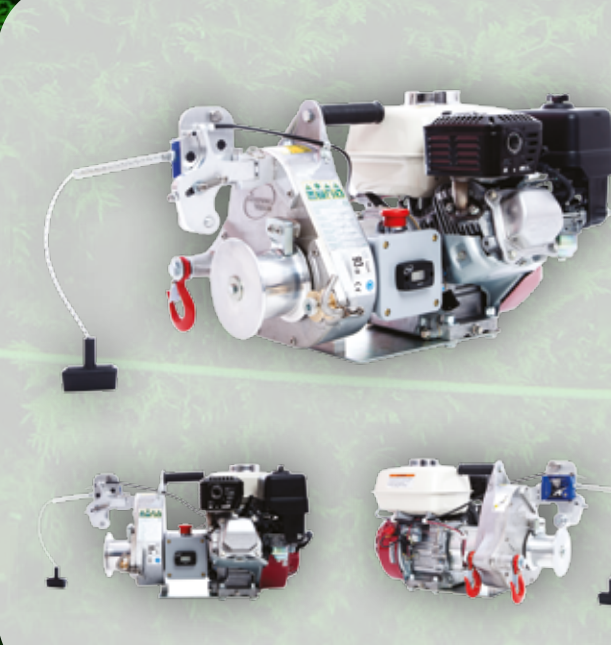
A vast range of accessories simplify the installation process and allows the use of various anchor points such as vehicles, poles, pylons and more.

Weighing only 19 kg, this is the best option for lifting jobs in the most remote areas.

MAX. PULLING FORCE	RATED LIFT. CAP.	WEIGHT	SPEED
775 KG	250 KG	19 KG	12 M/MIN

PCH2000

GAS-POWERED PULLING/LIFTING WINCH MAX. PULLING FORCE : 1150 KG



For the maximum lifting capacity!

The PCH2000 is equipped with a Honda GX160cc engine and offers superior performance in a wide variety of task such as tower erection, raising antennas, heavy insulator replacement, cable pulling and rugged jobs.

This winch is rated for loads of up to 450 kg. A block and tackle system will increase the lifting capacity to 900 kg.

The integrated rope grabbing system allows the operator to work safely and the start/stop mechanism makes it easy to concentrate on the task at hand.

This system allows lifting and lowering of loads.

A vast range of accessories simplify the installation process and allows the use of various anchor points such as vehicles, poles, pylons and more.

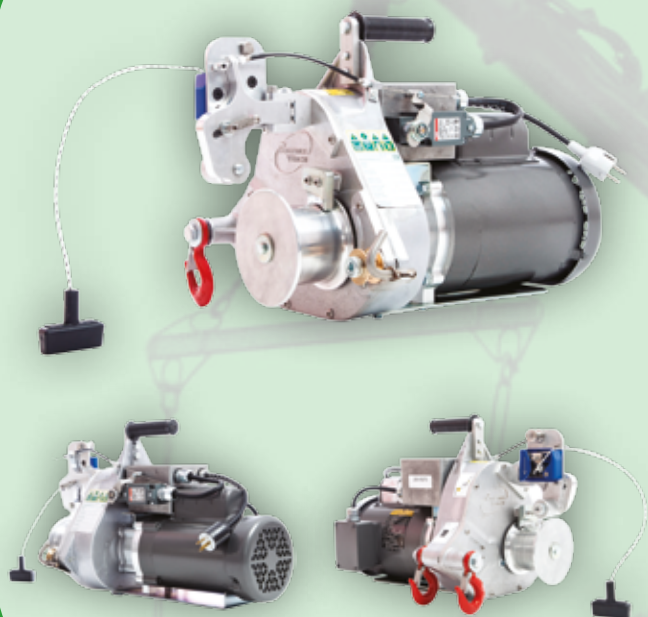
MAX. PULLING FORCE	RATED LIFT. CAP.	WEIGHT	SPEED
1150 KG	450 KG	34,5 KG	18 M/MIN

WINCHES SPECIFICATIONS

PRODUCT NUMBER	 PCW3000	 PCW5000	 PCW5000-HS	 PCH1000	 PCH2000	 PCT1800-60HZ-P-120V	 PCT1800-50HZ-P-230V
Designed for Pulling	Yes						
Designed for Lifting	No			Yes			
ENGINE/MOTOR & GEAR BOX							
Engine/Motor	Honda 4-stroke GX-35 cc (all positions)	Honda 4-stroke GXH-50 cc			Honda GX-160 cc	AC Electric Baldor TEFC 115/230 VAC - 1 ph - 3/4 HP - 60 Hz	AC Electric Baldor TEFC 230 VAC - 1 ph - 3/4 HP - 50 Hz
Gear box and gears	Aluminium alloy gear box. Heat treated 3 stage spur gears. Shafts mounted on ball bearings. Oil bath lubrication.						
Gear ratio	200:1	110:1	53:1	110:1	53:1	110:1	
Brake	Anti-reversing needle bearing				Double one way bearing	Anti-reversing needle bearing	
Clutch	No clutch - Direct Drive			Centrifugal		No clutch - Direct Drive	
Drum turns with engine idling	Yes			No		No idle on electric motors	
Work cycle	Continuous					25% (15 min/hour to prevent motor overheating)	
CAPSTAN DRUMS							
Installed	76 mm	57 mm	85 mm	57 mm	85 mm		
Optional	---	85 mm	57 mm	85 mm	---	57 mm	
PERFORMANCE							
Maximum pulling force							
57 mm drum	---	1000 kg	500 kg	775 kg	Not available - Use only with 85 mm drum	1000 kg	
85 mm drum		700 kg	350 kg	540 kg	1150 kg	820 kg	
76 mm drum	700 kg	---					
Rated lifting capacity							
57 mm drum	Not designed for lifting			250 kg	Not available - Use only with 85 mm drum	250 kg	
85 mm drum				175 kg	450 kg		
Maximum pulling speed							
57 mm drum	---	12 m/min	24 m/min	12 m/min	Not available - Use only with 85 mm drum	5,8 m/min	4,8 m/min
85 mm drum		18 m/min	36 m/min	18 m/min	18 m/min	8,8 m/min	7,2 m/min
76 mm drum	10 m/min	---					
ROPE							
Rope grabbing system	No			Yes - can be disabled			
Type	Low stretch double braided polyester - unlimited length - Eye splice and thimble mandatory for lifting applications						
Recommended diameter	10 mm	12 mm					
Minimum diameter	10 mm			12 mm			
Maximum diameter	16 mm			13 mm			
WEIGHT & DIMENSIONS							
Weight (dry)	9,5 kg	16 kg		19 kg	34,5 kg	24 kg	27 kg
Length	28,9 cm	36,2 cm		50,5 cm	45,8 cm	55,6 cm	55,6 cm
Width	35 cm	37,1 cm		37,1 cm	56 cm	36,6 cm	36,6 cm
Height	26,1 cm	36,1 cm		36,1 cm	35,6 cm	36,6 cm	36,6 cm
OTHER							
Certification	CE						
Classification (ISO) Lifting	---			M3			
ANCHOR							
Included	Polyester sling 60 mm x 2 m (PCA-1260)						
Optional	Full line of accessories						
WARRANTY							
Private use	2 years	5 years		2 years			
Commercial use	1 year						
Bonus warranty	Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE !						

50HZ OR 60HZ

AC ELECTRIC PULLING/LIFTING WINCH MAX. PULLING FORCE : 820 KG



This electric powered winch is ideal for indoor applications such as pulling wire through conduits or lifting equipment.

It can lift loads of 250 kg in a single line and a block and tackle system will increase the lifting capacity to 500 kg.

For lifting purposes, it is equipped with a rope grabbing system which will hold a load in position; allowing the operator to work safely.

The PCT1800 is recommended for situations when gas-powered (petrol) winches cannot be used and is a good alternative when noise is an issue.

MAX. PULLING FORCE 820 KG	RATED LIFT. CAP. 250 KG	50 Hz	WEIGHT 27 KG	SPEED 7,2 M/MIN
		60 Hz	WEIGHT 24 KG	SPEED 8,8 M/MIN

PCW3000

GAS-POWERED PULLING WINCH MAX. PULLING FORCE : 700 KG



Our most portable winch yet!

Weighing only 9,5 kg, it is powered by an all-position Honda GX35cc engine, making it the perfect product when you require power in the most remote areas. It offers 700 kg of pulling power.

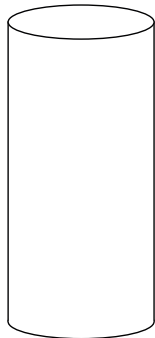
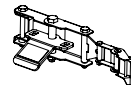
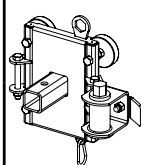
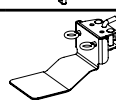
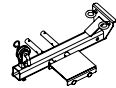
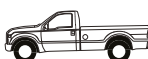
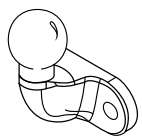
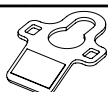
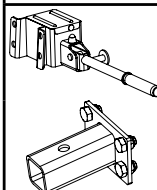
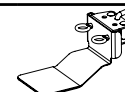
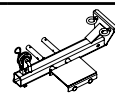
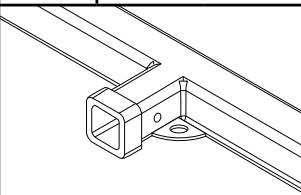
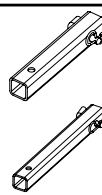
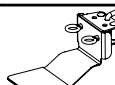
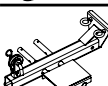
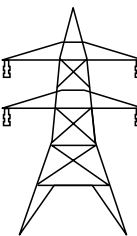
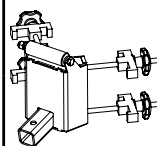
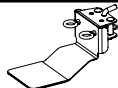
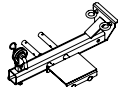
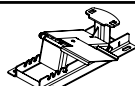
Use the PCW3000 Portable Capstan Winch in any terrain with any length of 10 mm low stretch double braided polyester rope.

Portable Winch Co. also offers a range of transport accessories in order to facilitate your movements, even over long distances! Whether you use the molded case (PCA-0102*) attached to the backpack (PCA-0104*) or strapped onto your off-road vehicle, your outing in the field will be enhanced.

*Accessories sold separately.

MAX. PULLING FORCE	WEIGHT	SPEED
700 KG	9,5 KG	10 M/MIN

CHOOSE THE PROPER ACCESSORY TO FIT THE ANCHOR POINT FOR THE TASK AT HAND

ANCHORING ACCESSORIES REFERENCE CHART						USE		WINCH MODELS						
ANCHOR POINTS			ANCHOR ACCESSORIES			PULLING	LIFTING	PCW3000	PCW5000	PCW5000-HS	PCH1000	PCH2000	PCT1800	
 Cylindrical (tree, pole, post, etc.)	PCA-1258, PCA-1259 or PCA-1260													
	PCA-1269													
		+ PCA-1268												
		+ PCA-1264												
		PCA-1263		  + PCA-1332 + PCA-1264										
 Vehicle	With tow ball  50 mm diameter	1-7/8" to 2-5/16" diameter 		PCA-1261 										
				PCA-1261 										
			+ PCA-1268											
			+ PCA-1264											
			PCA-1266 + PCA-1265		  + PCA-1332 + PCA-1264									
	 Hitch for square tube of 50.8 mm (2") opening	 PCA-1267 or PCA-1501	+ PCA-1268											
			+ PCA-1264											
			+ PCA-1332 + PCA-1264		 									
	 Pylon (with 90° 'V' shaped legs)	 PCA-1806	+ PCA-1268											
			+ PCA-1264											
+ PCA-1332 + PCA-1264			 											
 Floor	PCA-1805 													
Other types of anchors			Contact us at info@portablewinch.com											

ACCESSORIES

Portable Winch Co. is constantly developing new accessories to meet your multiple needs. Make the most of your winch, regardless of the situation. **INGENIOUS!**

DOUBLE BRAIDED POLYESTER ROPES

For best performance, always use original Portable Winch Co. ropes with your winch! Featuring double braid construction for durability and low-stretch properties for safety.

10 MM – MINIMUM BREAKING STRENGTH : 2200 KG	
PCA-1205M	10 mm x 50 m
PCA-1203M	10 mm x 100 m
PCA-1203M2ESC	10 mm x 100 m with 2 eye splices & thimbles
PCA-1206M	10 mm x 200 m
12 MM – MINIMUM BREAKING STRENGTH : 3300 KG	
PCA-1215M	12 mm x 50 m
PCA-1213M	12 mm x 100 m
PCA-1213M2ESC	12 mm x 100 m with 2 eye splices & thimbles
PCA-1214M	12 mm x 150 m
PCA-1214M2ESC	12 mm x 150 m with 2 eye splices & thimbles
PCA-1216M	12 mm x 200 m
PCA-1216M2ESC	12 mm x 200 m with 2 eye splices & thimbles
PCA-1218M	12 mm x 300 m
PCA-1218M2ESC	12 mm x 300 m with 2 eye splices & thimbles



CASES AND ROPE BAGS

No matter where you need to bring your winch, it will be easily carried and protected in one of our transport cases. Meanwhile, the rope bags are great for carrying rope and small accessories. Store your rope by pushing it in the bag, tangle free!



PCA-0102
Purpose built transport case with molded locations for the PCW3000 and accessories.

PCA-0100
Purpose built transport case with molded locations for the PCW5000, PCW5000-HS and many accessories.

PCA-0340
Waterproof and airtight case with removable casters and folding top handle for winches and accessories.



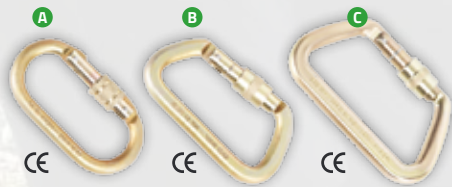
PCA-1255
Small capacity :
12 mm x 50 m rope
10 mm x 100 m rope

PCA-1256
Medium capacity
(w/shoulder straps) :
12 mm x 100 m rope
10 mm x 200 m rope

PCA-1257
Large capacity :
12 mm x 150 m rope

PCA-1257XL
X-Large capacity :
12 mm x 200 m rope

OTHER ACCESSORIES



STEEL LOCKING CARABINERS

- A.** PCA-1276 – MBS: 25 kN
- B.** PCA-1702 – MBS: 50 kN
- C.** PCA-1701 – MBS: 70 kN



CAPSTAN DRUMS, INCLUDING ROPE GUIDE

- A.** PCA-1100 - 85 mm
 - B.** PCA-1110 - 57 mm
 - C.** PCA-1120 - 76 mm
- FOR THE PCW3000 ONLY



PCA-1151
Spark arrestor with screw for Honda GXH-50 engine.

ANCHORING ACCESSORIES

At Portable Winch Co., we take pride in the fact that we not only sell winches, but also solutions. This is why we have created many accessories in order to secure the winch to many different anchor points: trees, poles, pylons, vehicles and more. Refer to the anchor reference chart in this document to find the right anchor system.



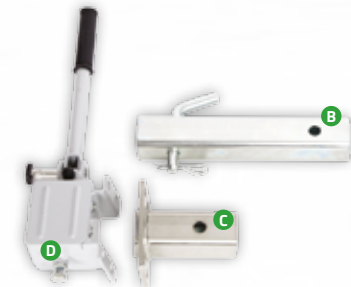
PCA-1263
Winch anchor system for trees and poles with 3 m strap. Use with PCA-1264 or PCA-1268.



PCA-1269
Winch anchor system for trees and poles with 3 m strap.



PCA-1261
Winch anchor plate for towing balls up to 58,7 mm diameter.



A. PCA-1268
Winch support plate with bent hitch pin. Installs on PCA-1263, PCA-1265, PCA-1267 or PCA-1501.

B. Square tube (50,8 mm) with bent hitch pin. Provides a solid winch anchor using a receiver hitch when used with PCA-1264 or PCA-1268.

PCA-1267
Length: 30,5 cm

PCA-1501
Length: 45,7 cm



PCA-1806
The pylon mount is designed for anchoring various models of portable winches directly to a pylon's angle iron. Use with PCA-1264 or PCA-1268.



PCA-1805
The floor mount winch anchor is especially designed for pulling wire thru conduits exiting an electrical board and where no other anchor points are available.



POLYESTER SLINGS
WLL when used in basket type (U): 4000 kg
PCA-1258 - 60 mm x 3 m
PCA-1259 - 60 mm x 2,5 m
PCA-1260 - 60 mm x 2 m



PCA-1264
Winch support for vertical pulling with adjustable shelf and swivel pulley. Fits on PCA-1263, PCA-1806, PCA-1265, PCA-1267 or PCA-1501. Can also be used for pulling when coupled to PCA-1332.



PCA-1332
Pivoting anchor for PCA-1264. It allows for using the PCA-1264 in pulling situations. Use with PCA-1263, PCA-1806, PCA-1265, PCA-1267 or PCA-1501.

PULLEYS

Increase your pulling force by a factor of two, three or four by using pulleys. You can also use pulleys to add some lift to the pulling angle and work your way around obstacles.



PCA-1271
Self-blocking pulley with aluminium side plates. 1 aluminium sheave 62 mm dia. For rope up to 13 mm dia. MBS: 40 kN



PCA-1272
Double self-blocking pulley with aluminium side plates. 2 aluminium sheaves 62 mm dia. For rope up to 13 mm dia. MBS: 40 kN



PCA-1292
Single swing side pulley - all aluminium. 1 sheave 63 mm dia. For rope up to 13 mm dia. MBS: 50 kN



PCA-1273
Double swing side pulley with stainless steel plates. 2 aluminium sheaves 100 mm dia. For rope up to 13 mm dia. WLL: 44 kN



PCA-1274
Single swing side pulley with stainless steel plates. 1 aluminium sheave 100 mm dia. For rope up to 13 mm dia. WLL: 22 kN



PCA-1275
Single swing side pulley with stainless steel plates. 1 aluminium sheave 76 mm dia. For 10 mm rope only. WLL: 16 kN

See the full line of accessories with complete descriptions at www.portablewinch.com

WHY CHOOSE PORTABLE WINCH?

We stand out from the competition, not only for the high quality and innovative design of our winches but also for the complete range of accessories available according to the industrial application of your choice.

We offer a wide selection of anchoring methods so you can tie the winch to a post, a vehicle or even a power transmission pylon.

Our tools will make your task easier and are capable of pulling and lifting effortlessly. Your productivity is important and we know it!

WORK SAFE!

Petrol-powered or electric, winches from Portable Winch add value to your team. Our winches offer unprecedented alternatives for dealing with complex tasks in a simple manner.

Pulling electrical wire or fiber optic, erecting towers, putting up fabric structures, hoisting antennas and materials are only a few examples of industrial usages. Possibilities are endless!



CONVERSION CHART			
KN	TON (M)	KG	LB
1	0,1	101,97	225
9,81	1	1000	2200
0,01	--	1	2,2
--	--	0,45	1

The **NEWTON** is the International System unit for force; it is equal to the amount of net force required to accelerate a mass of one kilogram at a rate of one meter per second squared. The **WORKING LOAD LIMIT** (WLL) is the maximum load which should not be exceeded under any condition. The **MINIMUM BREAKING STRENGTH** (MBS) is observed during a destructive test. You should divide it by an appropriate safety factor.



SEE OUR WINCHES IN ACTION AT
WWW.VIMEO.COM/PORTABLEWINCH

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