

CABLE PULLING WINCHES

PRACTICAL SOLUTIONS FOR CABLE LAYING



CONTENT

Cable Pulling Winches



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Capstan winches

*flexible application
compact, powerful and versatile*



When cable laying either in ducts or industrial buildings, KATIMEX® capstan winches offer a **compact** and powerful unit which is **economical and hard wearing**.

Usage is simple, safe and practical even when used under limited working space such as an industrial plant.

KATIMEX® electric capstan winches are specifically designed to be fixed and used in different working positions to give different pulling directions.

The capstan winches are available with pulling forces from 2.5kN up to 20kN. By several slings of the rope around the capstan head and a light pre-stress at the open end of the rope, the full pulling force can be used.

All winches feature **two capstans of large and smaller diameters**. Pulling speed and force can be altered by choice of capstan used. This enables a quick adaption to **changing circumstances** whilst cable laying.

Using the well designed KATIMEX® capstan winches **reduces time and man-power**, as well as onerous, physical work, that may result in a high risk of injury.





Cable pulling machines

Quality features:



All winches feature a 3-piece mounting stand, the main mounting plate to which the winch is attached and 2 side extension plates.

The side extension plates are field removable to facilitate mounting the winch in narrow locations or directly onto **trays**.

Electric winches feature a surrounding steel tube frame. This cage allows use of the winch in horizontal or vertical positions.

The optional trolley enables an **easy and safe transportation** of the winch when moved by a single person. The trolley simply slides into the receiving eyes provided on the main mounting plate of each winch.



Gasoline powered winches feature a special decoupler between the engine and gear to **minimize any vibration**.

A STOP switch is within easy reach to shut down the powerful 4-stroke engine in case of difficulties or emergencies.

All types of fixing (tension belts, ground nails etc.) can be used as to the **well considered ground plate**.



The **manifold fixing positions** raise the working security, especially on sites where the winch can not be fixed as wanted.



Suitable to the different ways of cable laying and its needs KATIMEX® offers a broad range of ideally suited accessories.



Material/Features:

KSW-E 500 & 800

- electric engine
- 2 aluminium capstan heads
- 2 different speeds
- right- / left run
- light aluminium ground plates

KSW-E 2000

- electric engine
- 2 aluminium capstan heads
- 2 different speeds
- right- / left run
- stable steel ground plates

KSW-B 500

- petrol engine 4-stroke
- 2 aluminium capstan heads
- 2 different speeds
- engine STOP switch
- light aluminium ground plates



Cable pulling machines

KSW-E



KSW-E - KATIMEX Electric capstan winches

due to the use of 2 different capstan heads, the work can be done either with high speed (8 m/min) and low pulling force, or with low speed (4 m/min) and high pulling force.

ATTENTION: These winches are not suited for vertical pulls.

OPTIONS: Foot switch for increased safety (230 V only), compact trolley for safe and comfortable transport.

Dimensions: 608 mm x 376 mm x 400 mm

type	engine	pulling force	weight	art.-no.
KSW-E 500	0.55 kW/230V	2.5/5.0 kN	35 kg	105510
KSW-E 800	1.10 kW/230V	4.0/8.0 kN	39 kg	105511
KSW-E 1200	1.10 kW/400V	6.0/12.0 kN	42 kg	105513
KSW-E 2000	1.50 kW/230V	10.0/20.0 kN	58 kg	105512

KSW-B



KSW-B - KATIMEX Petrol capstan winch with 4 - stroke engine

due to the use of 2 different capstan heads, the work can be done either with high speed (24 m/min) and low pulling force, or with low speed (12 m/min) and high pulling force.

ATTENTION: The winches are not suited for vertical pulls.

OPTIONS: Compact trolley for safe and comfortable transport.

Dimensions: 653 mm x 376 mm x 400 mm

type	engine	pulling force	weight	art.-no.
KSW-B 500	1.80 kW	2.5 /5.0 kN	30 kg	105520

Transport Trolley



Transport Trolley

for safe and comfortable transport of KATIMEX® capstan winches. Powder coated steel tube frame.

type	height	width	depth	weight	art.-no.
OPT-01	1150 mm	410 mm	340 mm	4.3 kg	105516

Foot Switch



Foot Switch

optional for electrical capstan winches types KSW-E 500, 800, 2000. Simply switched between power socket and winch. Protection type IP65

type	weight	art.-no.
OPT-02	1.7 kg	105515

Ground Nails



Ground Nails

for easy fixing the winches on loose ground or where a fixing with tension belts is not possible.

type	length	diameter	weight	art.-no.
OPT-03	365 mm	16 mm	0.75 kg	105517



Cable pulling machines

Tension Belts



Tension Belts with Ratchet

are suited best as a safety element on cable trays and everywhere, where the usage of ground nails is prohibited.
Fits to the side plates of the winches.

type	length	width	pulling force	weight	art.-no.
OPT-04	500 cm	25 mm	8.0kN	0.34 kg	105518
OPT-05	800 cm	50 mm	40.0kN	1.85 kg	105519

Polyester Ropes



Polyester Ropes

high load capacity, ductile polyester ropes, 16-times [8 and 12mm] or 20-times [16mm] woven. Eyelets on both sides.

Further versions on request

type	length	rope-Ø	breaking load	weight	art.-no.
PFS 8-150	150 m	8 mm	15.5kN	7.3 kg	105650
PFS 8-200	200 m	8 mm	15.5kN	9.5 kg	105651
PFS 8-250	250 m	8 mm	15.5kN	12.2 kg	105652
PFS 12-150	150 m	12 mm	24.0kN	16.8 kg	105654
PFS 12-200	200 m	12 mm	24.0kN	22.0 kg	105655
PFS 12-250	250 m	12 mm	24.0kN	32.7 kg	105656
PFS 16-150	150 m	16 mm	42.0kN	30.7 kg	105657
PFS 16-200	200 m	16 mm	42.0kN	40.6 kg	105658
PFS 16-250	250 m	16 mm	42.0kN	56.0 kg	105659

Recommended Accessories

Cable Grips



galvanized steel wires
hand woven
available in stainless steel

cable-Ø (mm)	practical breaking load (kN)	pulling-force (kN)	weight* (kg)	W 600 mm art.-no.	W 900 mm art.-no.
10 - 20	18.8	9.4	0.22	109001	108000
20 - 30	22.6	11.3	0.35	109002	108001
30 - 40	37.0	18.5	0.50	109003	108002
40 - 50	55.0	27.5	0.80	109004	108003
50 - 65	55.0	27.5	0.85	109005	108004
65 - 80	73.2	36.6	1.08	109006	108005
80 - 95	73.2	36.6	1.24	109007	108006
95 - 110	85.0	42.5	1.73	109008	108007
110 - 130	106.0	53.0	1.79	109009	108008
130 - 150	106.0	53.0	1.94		108009
150 - 180	127.0	63.5	2.09		108010

* for W 900 mm only

Ring Decoiler



Ring decoiler

Ring decoiler with crank for quick coiling and transport of cable rings.
Safe coiling in laying or upright position.

Dimensions 570 x 460 x 400mm

weight	art.-no.
7.7 kg	107133