

Mobile cable pulling winches ML series ®

Protected with European model registration



Available with 2.000, 3.000, 4.000 or 5.000 kg pulling force.

Developed with German winch builder "Jakob Thaler": very successful in building winches since 1958, for example for the strenuous German building contractors.

Very reliable technology with a modern look. The product advantages allow the cable layer to do his work more *efficient*, *safer* and *easier*.

Page 2 : User advantages

Page 3 : Technical data

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User advantages :

- Better motor performance (better on pulling force, lifespan, quieter, less vibration)
- Full hydraulic stepless speed control from "zero" (easy control, prevents cable damage)
- Bigger cable lengths possible (wider deployability of the winch)
- Solid plate steel and lockable hood (easy and quick to open and service, lockable against vandalism)
- Larger stability of the winch (the winches own weight fixes it solid in it's place, better weight division : the winches don't have the motor and the capstan on one side and the winch drum on the other side, because of this the winch is in perfect balance when the cable is being run out)
- Run out roll is 360° rotatable (higher flexibility than most competitive models)
- In height adjustable swingle bar with overrunning brake (high flexibility : the winches can be coupled on every vehicle)
- Double capstan system (both capstans are driven : guaranteeing low strain on the pulling cable preventing unnecessary wear and tear)
- Emergency stop with 5 meter cable (safer)
- Registration of pulling force, pulling speed and length (easy read-out, record on paper using the onboard electronic printer, connection to PC possible)
- Remote control (electro-hydraulic, easy control, *option*)
- Different colours (finishing in your house colours possible)
- Other options (a wide range of options is available, to customize the winch to your specs)



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Technical data :

Type	ML-2000	ML-3000	ML-4000	ML-5000
				
Pulling force	2.000 kg	3.000 kg	4.000 kg	5.000 kg
Cable length	500 m (max. 2.200 m)	500 m (max. 1.600 m)	500 m (max. 1.200 m)	500 m (max. 1.000 m)
Cable Ø	8 mm	9,5 mm	11 mm	12 mm
Cable pulling speed	0-50 m/min.	0-50m/min.	0-50m/min.	0-40m/min.
Measurement of length, pulling force and speed	Electronic with KPR2000, incl. writer and optional PC connection	Electronic with KPR2000, incl. writer and optional PC connection	Electronic with KPR2000, incl. writer and optional PC connection	Electronic with KPR2000, incl. writer and optional PC connection
Driving unit	hydraulic	hydraulic	hydraulic	hydraulic
Motor	Gasoline, 2 cylinder 11,8 kW	Diesel, 3 cylinder 21,9 kW	Diesel, 3-cylinder 21,9 kW	Diesel, 3-cylinder 27,1 kW
Motor cooling	Air cooled	Water cooled	Water cooled	Water cooled
Chassis	Single axle	Single axle	Single axle	Single axle
Brake system	Overrun brake	Overrun brake	Overrun brake	Overrun brake
Gate struts	2, adjustable	2, adjustable	2, adjustable	2, adjustable
Swingle bar with coupling head	Traditional (option : Adjustable in height)	Traditional (option : Adjustable in height)	Traditional (option : Adjustable in height)	Traditional (option : Adjustable in height)
Tyres	185R14	185R14	185R14	185R14
Length	3.700 mm	3.700 mm	3.700 mm	3.700 mm
Width	1.670 mm	1.670 mm	1.670 mm	1.670 mm
Height	1.550 mm	1.550 mm	1.550 mm	1.550 mm
Weight	1.420 kg	1.600 kg	1.720 kg	1.720 kg

Options :

- Other measuring systems
- Gasoline- or electromotor
- External storage measuring data
- Tandem axle chassis
- Swindle bar adjustable in height
- Remote control, with cable or wireless
- Winch built on frame for mounting on vehicle

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