

MAXWALD

www.seilwinden.at



FORESTRY EQUIPMENT • RESCUE EQUIPMENT • SPECIAL WINCHES



MAXWALD

- The family-owned business since 1771.
- The products are "**made in austria**"

... and that means nowadays for MAXWALD's customers in the areas of forestry equipment, municipal services equipment and rescue equipment:

- **MAXimum quality** of materials and workmanship
- **MAXimum safety** during use and operation
- **MAXimum service** by means of competent advice and professional customer service.

Our production in Austria also enables us to deal with the customer's requirements particularly well, in addition to the serial products. We invite you to visit us at one of the numerous trade fairs and exhibitions that are held at home and abroad, or to come directly to us in the factory. We will certainly find an optimum solution for your requirements too, as the competent partner for cable winches and forestry machines.

Elisabeth Maxwald
and MAXWALD's entire team.

Internationally active companies that already trust the expertise and products from the firm of MAXWALD: **made in austria!** An excerpt from our list of references is given below.





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Automatic, self-resetting disc brake

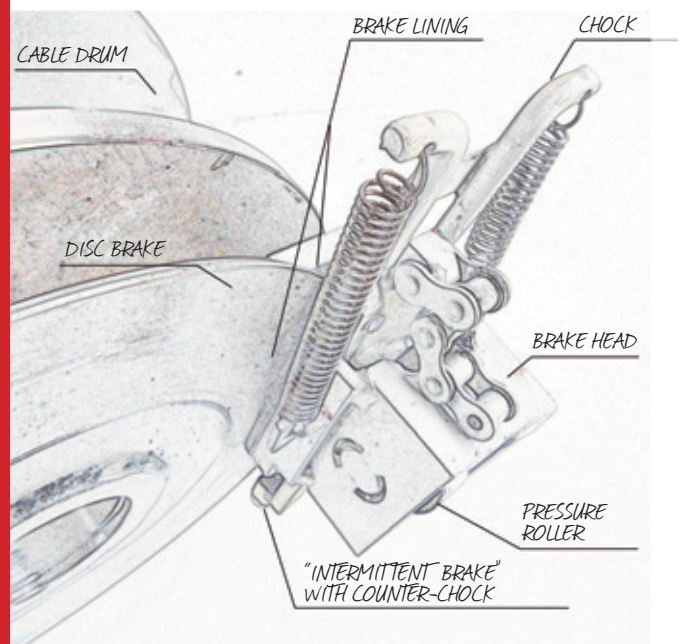
The DISC BRAKE (patented by MAXWALD) and the dead-man system on MAXWALD's cable winches form a unique braking system which is reliable in every situation and completely free of maintenance. A chock will be pulled into a braking shoe when the coupling line is released or when the operating switch is actuated. Every load will be entirely held tightly in this position. The more weight, the more braking force.

The brake will be released when the chock is raised. The drum will be completely freed as a result, i.e., the cable can be unwound without any resistance. An extra trailing brake on the drum prevents the cable trailing from the drum unintentionally while doing so.

The system also enables dosed opening of the brake, especially on cable winches with remote controls.

In this case, the brake can be opened (dosed) with an accuracy of millimetres by using the radio-controlled device that we offer, which is extremely important when securing or felling a tree.

- 1 A 300: a lightweight winch for small tractors.
- 2 A 300 S: with a wider back shield for better stability.
- 3 A 400 S: also suits the Muli, Metrac, etc.
- 4 A 501: strong tractive power with low dead weight.
- 5 A 501 S: the top-selling model with an option for fitting a hoop guard on the side.
- 6 A 501 S Var. IV, radio-controlled: brake and buffer for the cable intake and frontal operation.
- 7 A 611 S: 7.0 metric tons cable winch, radio-controlled equipment and a hoop guide on the side.
- 8 M2000 Premium: the completely equipped special model with a CABLE-WINDING DEVICE, brake and buffer for the cable intake and radio-control.



Skidder winches



1 REDUCING GEAR UNIT

Intake speed reduced by 40%, it can also be retrofitted; for more powerful and safer working. Already standard on the Var. IV series.

HYDRAULIC CYLINDER FOR ACTUATING

COUPLINGS: VAR. 0 It can also be operated with a pulling line; economically simplified work.

2 ELECTRO-HYDRAULIC OPERATION: VAR. IV

Own oil-supply pump, gearing and tank on the winch; prerequisite for radio control. The pump is driven by the "PTO" shaft; therefore there is no switching delay. Just plug in the 7 pole plug from the tractor and start straightaway!

3 LOWER CABLE INTAKE ROLLER

The cable can be laid in easily and quickly. The stability is increased when pulling tightly from the side.

- 4 CABLE-WINDING DEVICE** A roller hangs under the pull from one drum's wall to the other and it lays loop on loop. It protects the cable particularly carefully and increases the traction cable's service life. It is ideal in combination with the cable intake's brake and ejection!

5 CABLE INTAKE BRAKE (MECHANICAL)

The cable is rolled up pretensioned: suitable for winding the cable from the side, even when descending a mountain by cable.

6 CABLE INTAKE BRAKE AND CABLE EJECTION (HYDRAULIC)

The cable is always wound up uniformly (pretensioning). The best cable-winding and the cable has a longer service life. The cable will also be ejected!

7 SETTING THE CABLE INTAKE BRAKE AND CABLE EJECTION (HYDRAULIC)

The brake's pressure and the cable's ejecting speed can be set WITHOUT USING ANY TOOLS!

8 RADIO-CONTROL UNIT

We generally supply only high-quality equipment with the supplementary "INTERMITTENT BRAKE" function, which is important for securing/felling the tree! Refer to the description of the **DISC BRAKE** on page 3 concerning this matter.

- ✓ Automatic, self-resetting DISC BRAKE. Including an INTERMITTENT BRAKE: patented by MAXWALD.
- ✓ High tractive power and low wear.
- ✓ Closer attachment to the tractor and a central, universally jointed, connecting shaft.
- ✓ Lightweight construction, yet very robust and clearly arranged.
- ✓ Safe and easy operation.



You can find videos on **YouTube** and our home page at **www.maxwald.at**

... those with the disc brake!

Equipment and type	A300	A300S	A400S	A501	A501S	A516S	M2000 Premium	A611S
DISC BRAKE	Series	Series	Series	Series	Series	Series	Series	Series
Tractive power of the cable's 1 st turn	4.5 tons	4.5 tons	5.0 tons	6.5 tons	6.5 tons	6.5 tons	6.5 tons	7.0 tons
Tractive power of the complete drum	2.5 tons	2.5 tons	3.0 tons	4.5 tons	4.5 tons	4.5 tons	4.5 tons	5.0 tons
Cable's maximum holding								
8 mm	100 m	100 m	100 m					
9 mm	70 m	70 m	70 m					
10 mm	50 m	50 m	50 m	100 m	100 m	160 m	160 m	
11 mm				80 m	80 m	130 m	130 m	90 m
12 mm				60 m	60 m	100 m	100 m	70 m
Rear shield								
Width	1.0 m	1.4 m	1.4 m	1.4 m	1.5 m	1.5 m	1.7 m	1.6 m
Height	50 cm	50 cm	60 cm	50 cm	70 cm	70 cm	75 cm	70 cm
Option: high rear shield**			A4000		A5000			A6000
Operation and control								
Pulling line's operation (traction)	series	series	series	series	series	series		series
HP cylinder, Var. 0 (coupling's actuation)	option	option	option	option	option	option		option
HP cylinder, Var. IV (prepared for radio control)					option	option	series	option
Radio control					option	option	option	option
Further data								
Cable's speed (0.5 m/sec. to 1.0 m/sec.)	series	series	series	series	series	series	series	series
Cable's speed (0.3 m/sec to 0.8 m/sec.)	option	option	option	option	option*	option*	series	option*
Tractor's recommended power	15 HP	30 HP	40 HP	45 HP	50 HP	50 HP	60 HP	60 HP
3- point category	I+II	I+II	I+II	I+II	I+II	II+III	II+III	II+III
Weight without cable, approx.	135 kg	180 kg	200 kg	250 kg	295 kg	350 kg	450 kg	355 kg
Desired equipment and accessories								
Wide cable drum	A300XL***					series	series	
Cable-winding device						series	series	
Cable inlet brake, mechanical	option	option	option	option	option	option	option	option
Cable inlet brake and cable ejection, hydraulic					option	option	series	option
Lower cable inlet roller	option	option	option	option	option	option	series	option
Hoop guard on the side					option	option	series	option
Handbrake (for cableway)	option	option	option	option	option	option	option	option
Combination with grapple				option	option	option	option	option

* Series for cable winches with HD control, Var. IV.

** Option: high rear shield (see photo on the right)

*** A300XL type: 300m long, 6.5 mm dia. with mechanical cable distributor for the cableway's operation

You can decide not to use any specific type. Alternatively, do you want alterations like, for example, a wider rear shield, attachment on a special vehicle, a double drum, etc.? We will gladly give you free and competent advice!



Special cable winches / vehicles



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- 1 Professionally geared cable winch: 10 metric tons with a worm-gear drive, winding device and radio control.
- 2 Safety winch: 5 metric tons geared cable winch, power take-off, radio control.
- 3 Hydraulic safety winch with 150 m cable holder, cable-winding, optional radio control.
- 4 Hydraulic front cable winch (UNIMOG version), self-assembly, suitable for rear working with timber.
- 5 Hydraulic skidder winch, special attachment for a yard loader.
- 6 Hydraulic skidder winch, 160 m cable holder, radio control, special attachment and special paintwork.
- 7 Front cable winch with hydraulic drive, operation of the pulling line and a hydraulically foldable shield.
- 8 UNIMOG / FORST MOG: radio-controlled cable winch & grapple, Standard 1.

We also produce according to the customer's requirements!

Adapted to the intended purpose and carrying vehicle: we will gladly advise you!

Winch accessories and special equipment

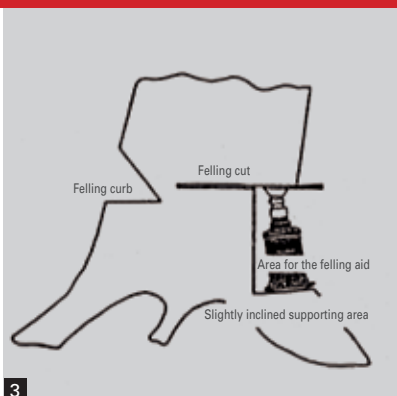
- 1 Cable winch's accessories like cable-end pieces, chains, sliders, holder for the motor-powered saw, deflection roller (i.e., pulley), etc.
- 2 Fence-winding machine: for rational dismantling of fences that bar wild animals; also available as a ski-net-winding machine ...
- 3 Hydraulic felling aid: for special felling of trees, lifting power of 20, 25 or 30 metric tons.



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Timber grapples



- 1 Timber grapple, Standard 1.
- 2 Standard 1, also suitable for stacking.
- 3 Standard1 with Euro holder and rotator, continuous.
- 4 COMBINATION of cable winch and grapple.
- 5 MAMMUT grapple on Steyr CVT.
- 6 MAMMUT grapple, hydraulically swivellable.

Technical data and type	Standard 1	Mammut
Largest opening width	1.6 m	2 m
Smallest clamping diameter	8 cm	8 cm
Compressive force of the gripping cylinder	5.5 metric tons	2 x 5.0 metric tons
Compressive force of the turning cylinder	-	5.0 metric tons
Adjustable low-wear suspension	chain	
The lower tension chain increases stability and prevents the carrying vehicle from rising up	series	
The gripper's swinging angle (left and right each way)	free*	45°
Three-point linkage	Cat. 1 and 2	Cat. 2 and 3
Requisite controlling equipment	1 DW	2 DW
Tractor's recommended power (min.)	40 HP	80 HP
Weight (approx.)	180 kg	420 kg
Rear shield	series	option
ROTATOR, continuous *	option	
EURO holder	option	
COMBINATION of winch and grapple (the 2 machines can also be used separately)	option	option

- ✓ Rational working.
- ✓ Low weight.
- ✓ Compact and clearly arranged construction.
- ✓ Close attachment to the tractor.
- ✓ Materials and workmanship of the highest quality: long service life.

Small cable yarding system



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Small cable yarding system



Technical operation

Cable's length:	max. 300 m (depending upon the winch's cable capacity).
Pulling tightly on the side:	up to 30 m on both sides.
Carrying power:	up to 1,000 kg.
Setting-up time:	approx. 2 hours with 2 men.
Power station:	for every type of cable winch (with a brake!)
Traction cable:	the traction cable comes from one cable winch. The traction cable's thickness (6 mm to 8 mm) is orientated to the payload's weight or according to the winch's cable-holding capacity.
Carrying cable:	the cable's thickness (12 mm to 14 mm) is orientated to the planned payload.
Support:	according to requirements.
Stop on mountain's side:	locking device.
Stop on valley's side:	ring, shackle or hydraulic adjusting device.
Device for descending a mountain by cable:	equipment to suit requirements.

Sustainable forestry according to the "Pan-European Forestry Certificate" (PEFC) is also possible in this case from the aspect of cost versus benefit!

- 1 Ascending a mountain by cable.
- 2 Mounting sketch.
- 3 Synthetic cable as a carrying cable and traction cable; support.
- 4 Carriage with the upper adjusting device.
- 5 Ascending a mountain by cable.
- 6 Cable winch with single drum (A300XL) with hydraulic drum for carrying cable.
- 7 Mobile motorized cable winch.
- 8 Double-drum-winch for ascending / descending a mountain by cable.
- 9 'Falco Nero' project: running cradle with device for descending a mountain, upper stop.

MAXWALD'S CABLEWAY THINNING SYSTEM

The easiest and particularly economical system for transporting timber on steep and impassable terrain in a manner that protects the ground and stand of trees. It offers unbeatably good value for money from the aspect of cost versus benefit when used in connection with a cable winch. The small cableway is usable for ascending or descending a mountain according to the POWER STATION, as well as over flat terrain.

We will gladly offer the entire package too, i.e., all accessories that are required for mounting and operation.

We have references worldwide! Reputable forestry colleges that offer special courses and demonstrations are among them.

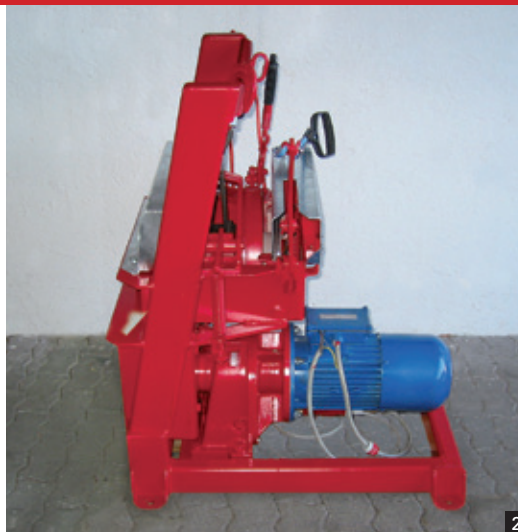


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Special cable winches



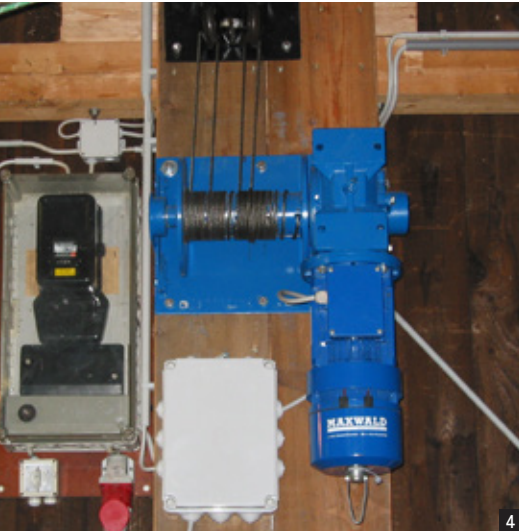
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- 1 Double-drum-winch and petrol motor.
- 2 Electrical cable winch for a test rig.
- 3 Winch for pulling a sucking plant in the sludge pond.
- 4 Cable winch with 4 cables for a boathouse.
- 5 Winch for pulling a snow-canon.
- 6 Builder's winch.
- 7 Electric cable winch for cleaning canals with a continuous regulating speed.
- 8 Traction cable winch for tunnelling.

MAXWALD has a suitable solution available for every lifting or pulling situation, up to 10 metric tons. It can be chosen from an extensive range of serial-manufactured models, or we can manufacture a special model accordingly to the customer's requirements. Just tell us what you need and we will gladly advise you about supplying the optimum cable winch!

More information at: www.maxwald.at

- ✓ Simple solutions that are well-thought-out.
- ✓ Practically orientated construction.
- ✓ Easy operation.
- ✓ Mobile or stationary.
- ✓ Specially coordinated for use and the customer's requirements!

Rescue winches



We mount cable winches with up to 10 metric tons of tractive power on various carrying vehicles, whether for use in rescue operations, road-building or emergency services. The mounting version is coordinated with the type of vehicle and the customer's requirements. Profit from our experience!

- ✓ Up to 10 metric tons of tensile power.
- ✓ CABLE-WINDING DEVICE!
- ✓ Easy operation.
- ✓ Attachment specially adapted to the vehicle.
- ✓ TÜV¹ testing on request.

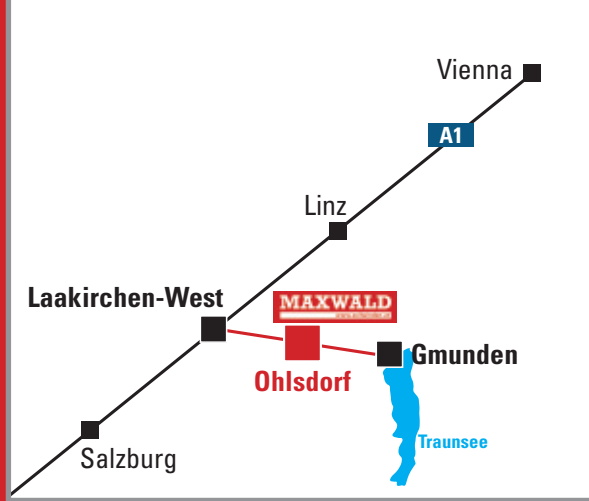
¹ Testing Standards Authority



AUTOMATIC CABLE-WINDING DEVICE

This device enables pulling tightly from the side over 45° per side, which improves the cable's winding and prolongs the traction cable's service life or the working safety respectively!

- 1 Cable winch on a Panther/Rosenbauer for Pula airport.
- 2 5.4 metric tons suspended on the supporting attachment.
- 3 Winch of 6.2 metric tons suspended on the supporting attachment.
- 4 Fixed-frame front mounting.
- 5 Special swivelling attachment for further utilization of the front flap.
- 6 Fixed-frame front mounting.
- 7 Rear mounting.



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■ MAXWALD'S QUALITY

MAXimum quality of materials, workmanship and convenient operation:
an exclusively Austrian product.

■ MAXWALD'S SAFETY

MAXimum safety by means of equipment that is CE-certified, tested and recognized.



■ MAXWALD'S SERVICE

MAXimum service by means of competent advice and professional customer service.



All of the information about technical data, dimensions and illustrations of the machines is subject to constant further development and therefore it is not binding on the delivery in any case!

Our General Terms and Conditions of Sale and Delivery apply.

