



*Skidder Winches*

*Transmission Winches*

*Timber Grapples*

*Combinations of winch and grapple*

*Small Cable Yarding System*

*Special Cable Winches*

*Truck and Rescue Winches*



# MAXWALD

[www.seilwinden.at](http://www.seilwinden.at)

*We design, produce and distribute high quality and innovative Cable Winches and Forestry Equipment.*

*The customer is the focus of our organization!*

*Our know how and spirit lead us to solutions that will play an important part in the future development of innovative technical solutions to the future challenges in Forestry Operations.*

*MAXWALD ... and you are on the move!*



Franz Maxwald

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An overview of our products is also found on our website: [www.maxwald.at](http://www.maxwald.at).  
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Should you require any further information on our products, please contact us and we will respond immediately.

# Skidder Winches



**A 300**



**A 400 S**



**A 501 S**



**A 5000**



**A 611 S**



**A 6000**



**M 2000**



**Unimog Winch**

## MAXWALD Cable Winches offer the following advantages:

**DISK BRAKES** - patented by MAXWALD Dependable and maintenance free (self – adjusting). The brake is capable of holding any load securely, regardless of weight or weather conditions. The brake can be released instantaneously or be slackened gradually. Pulling out the cable is easy – please refer to illustr. 1 on page 4.

**CLUTCH:**  
Large diameter with minimal wear.

**WINCH DRIVE:**  
Double chain drive, parts made of hardened steel; Minimal maintenance and wear.

**DRUM DESIGN AND CONSTRUCTION:**  
Designed for strong pull at maximum machine efficiency. Good spooling performance.

**DRUMBRAKE-RETARDER:**  
Designed to prevent build up of loose cable wraps on the drum.

**CABLE GUIDING SYSTEM** (Model A 516 S and M 2000): designed for proper spooling of large quantities of cable.

**UPPER FAIRLEAD:** can be tilted in any direction and inclined for proper spooling.

**LOWER FAIRLEAD:** is located ergonomically at an optimal height for ease of operation.

**REAR SKID BLADE:** The design is focused on stability and performance. Various blade designs (A611S and A6000) and widths are available.

**LOW OPERATING WEIGHT:** High quality steel pipe construction keeps the operating weight low.

**CLOSE DISTANCE CONNECTION:** Keeping the distance between the tractor and the winch to a minimum provides for greater stability even under heavy loads.

**OPERATION:** simple, safe and reliable. The winch may be operated either mechanically, hydraulically, by cable – remote operation or by wireless remote control.

**YOU HAVE AN ADVANTAGE BY BEING PROVIDED WITH:**

**Robust Construction Design and long machine life with high Residual Value**

**Advanced Technology with excellent operating features and high Production**

**Highest Safety Standards**

# Skidder Winches



## Details and features of MAXWALD cable winches are listed below:

1) **AUTOMATICALLY SELF - ADJUSTING DISK BRAKE:** The disk brake and Deadman system made by MAXWALD is a unique and absolutely reliable and maintenance free brake system.

By releasing the clutch rope or by activating the switch a “brake wedge” is pulled into a brake shoe. In this position any load is held securely. The greater the loads the more braking power is applied.

The brake is released by lifting the brake wedge whereby the drum is set for free spooling. Loose cable wraps are prevented by the retarding brake action of the drum. The system also allows a gradual release of the brake, meaning the winch can be operated reliably without a re-adjustment and it is maintenance – free.

2) **THE SECOND SPEED** (Lower Gear):

The cable in feed speed is reduced by 40 % - a serial feature for Var. IV providing more power and safer conditions.

3) **SPOOLING DEVICE:** Mod. A 516 S and M 2000 are equipped with a swing boom that facilitates spreading the cable over the drum, an essential feature for optimal spooling when dealing with large volumes of cable.

4) **CABLE BLOCK PRESSURE:** A block pressing down on the cable assures compact even wraps prolonging the life of the cable.

5) **MECHANICAL IN FEED BRAKE:** The cable is pre-tensioned by a Mechanical Infeed Brake, which provides for optimal spooling, even when downhill skidding.

6) **HYDRAULICALLY OPERATED CLUTCH** (Var. 0): can additionally be operated by a pulling line – a cost saving feature also making work easier.

7) **ELECTRIC – HYDRAULIC OPERATION** (Var. III): Oil supply by tractor, One double acting hydraulic valve required, Remote Cable Operation for safe and reliable operation.

8) **ELECTRIC – HYDRAULIC OPERATION** Independent oil supply (Var. IV): Pump and oil tank are on the winch, remote cable operation – a requirement for radio – operated system. This system provides for simple, safe and reliable operation, and is built according to the latest international Quality and Safety Standards.

... with *DISK BRAKE!*

Technical Data / Models	A 300	A 300 S	A400 S / A 4000	A 501	A 501 S / A 5000	A 516 S	M 2000	A 611 S / A 6000
<b>Mainline Pull:</b> (based on the middle layer of wraps on drum)	3,5 to	3,5 to	4,0 to	5,5 to	5,5 to	5,5 to	5,5 to	6,0 to
<b>Drum capacity :</b>								
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	110 m
11 mm				80 m	80 m	130 m	130 m	90 m
12 mm				65 m	65 m	100 m	100 m	75 m
<b>Rear Skid Blade:</b>								
Width:	100 cm	140 cm	140 cm	140 cm	150 cm	150 cm	170 cm	160 cm
Height:	50 cm	50 cm	60 cm / heigh	50 cm	70 cm / heigh	70 cm	75 cm	70 cm / heigh
Weight:	135 kg	180 kg	200 / 220 kg	250 kg	295 / 330 kg	350 kg	400 kg	355 / 400 kg
Pulling Line Operation:	s	s	s	s	s	s		s
Hydraulic Operation Var. 0:	w	w	w	w	w	w		w
Remote Cable Operation Var. III:				w	w	w	s	w
Remote Cable Operation Var. IV:					w	w	w	w
Radio-controlled Operation :				w	w	w	w	w
Self-adjusting <b>Disk Brake</b> / "Dead man" Safety:	s	s	s	s	s	s	s	s
Line Speed: (0,5 - 1,0 m/sec.)	s	s	s	s	s	s	s	s
2. Line Speed: (0,3 - 0,6 m/sec.)	w	w	w	w	w	w	w	w
Second Cable in feed:	w	w	w	w	w	w	w	w
Recommended min. Tractor power (hp):	15 hp	30 hp	40 hp	45 hp	50 hp	50 hp	60 hp	60 hp
Three-Point Hitch Category I / II:	s	s	s	s	s	s	s	s
Three-Point Hitch Category III:	w	w	w	w	w	s	s	s
Cable Spooling Device:						s	s	
Cable in feed Brake:	w	w	w	w	w	w	w	w
Cable Pressure Block:				w	w			w
Additional handbrake:	w	w	w	w	w	w	w	w

Optional features according to customer's wishes are available.

S = serial production

W = optional

# Transmission Cable Winches



Specifications: / Mod.	M 7.000	M 8.000	M 10.000
Line Pull (based on the middle layer of wraps on drum) :	7,0 to	8,0 to	10,0 to
Skidding Blade:	1,5 m	1,8 m	1,8 m
Drum capacity:	105 m/12 mm	70 m/14 mm	130 m/15 mm
Remote Cable / requirement for Radio controlled operation:	s	s	s
Wider cable drums:			
– Mod M 7.000 up to 170m/12 mm:	w	w	
– Mod M 8.000 up to 130m/14mm:	w	w	
Cable in feed Brake:	w	w	w
Rear skid Blade 1,8 m:	w	s	s
2,0 m:	w	w	w
2,2 m:	w	w	w
Lower Rope in feed:	w	w	w
Trailer hitch mount:	w	w	w
Radio equipped:	w	w	w

w = optional s = serial production

## All MAXWALD transmission cable winches offer the following advantages:

**POWER TRAIN:** Maintenance free oil immersed worm and spur gear transmission.

**BRAKE** (“Dead man” system): Plate brake, 100% secure brake performance, maintenance free and minimal wear.

**CLUTCH:** Plate clutch, powerful and self – adjusting.

**CABLE GUIDE / hydraulic CABLE IN FEED BRAKE** (optional): for exact spooling

**SKID BLADE:** robust construction, stable

and made to be used for forestry applications, various blade widths are available.

**LOW OPERATING WEIGHT / Close proximity connection;** Robust steel construction made of high quality steel, optimum stability and great terrain maneuverability even under heavy loads.

**OPERATION:** simple, secure and reliable, regardless of whether operated by electric – hydraulic or remote radio controlled method.

Many Custom made and Special Designs available.

### YOUR ADVANTAGE:

**Robust Construction and long service life with high residual value**

**Advanced Technology and excellent operating features**

**Highest Safety Standards**



**Standard 1**



**Standard 2**



**Mammut**

## MAXWALD Grapples offer the following advantages:

### STANDARD 1

The Grapple is held in place at the carrying boom by a chain. Four different suspension points together with a lower pulling chain enhance stability and prevent lifting of the front of the tractor. The skid blade located on the mounting block is angled at the sides which makes lifting loads along the extraction tracks and decking, such as in a commercial thinning operation, easier. This model can also be used as a front-end loader as the weight distribution is favorable for that.

### STANDARD 2

The grapple can be slewed to either side hydraulically (point of gravity is on the tractor), giving a wide reach. Due to the wide slewing angle and the wide grapple opening this model proves to be the most powerful machine for skidding logs, firewood and pulp wood from Thinning Operations. Additionally, high pressure cylinders and the carrying booms have proven to be an advantage when skidding voluminous loads.

### MAMMUT

This heavy duty model has been developed to work in large timber stands pulling heavy loads. Due to its robust construction and close mounting to the tractor giving optimal weight and force distribution work can be carried out efficiently, effectively and economically.

Technical data / model:	Standard 1	Standard 2	Mammut
Maximum Grapple opening:	1,6 m	2 m	2 m
Minimum closing diameter:	8 cm	8 cm	8 cm
Hydraulic pressure of grapple cylinder:	5,5 to	5,0 to	2 x 5,0 to
Hydraulic pressure of rotation cylinder:	-	5,0 to	5,0 to
Swing angle (right and left)*:	free *	45°	45°
Three Point Connection:	Kat. 1+2	Kat. 1+2	Kat. 2+3
Required hydraulic valves:	1 DA	2 DA	2 DA
Recommended power of tractor (hp):	40 hp	60 hp	80 hp
Weight:	180 kg	290 kg	420 kg

\* also available with 360 degree rotator

# Combination



## The perfect solution for one person operation!

**Combines all advantages of the cable winch and timber grapple:** Skids logs, pulpwood and other timber products from thinning operations to the landing. There, the turn is picked up by the grapple without re- setting the turn. This principle is in accordance with the “ Paneuropean Forest Certificate “PEFC” which means avoidance of broadcast machine traffic over the cutting area while at the same time it has proven to be a cost-efficient procedure.

**The grapple and winch may be used in combination or separately!** Installation of the three point hitch attachment is quick and easy.

MAXWALD Cable winches and grapples may also be outfitted subsequently to a combination of grapple and winch. The grapple can also be used as a front-end loader due to favourable weight distribution.

### CABLE WINCH:

any of the MAXWALD Winches start at 5.5 tons

### GRAPPLE:

**Mod. Standard 1** - with additional

- “cable window” for optimal cable guiding
- Lower skid chain for maximum stability!

All of our the equipment is manufactured according to the national and international Safety and Quality Standards. MAXWALD offers more: Maximum Safety, maximum Quality and maximum Service!



## Introducing to you the MAXWALD – Small Yarding System!

**A simple, light weight system that is easy to rig in the forest to extract timber without undue damage to the soil and the remaining stand in a cost efficient way.**

In steep or otherwise difficult terrain the hoist block principle used in combination with a cable winch has proven to be a cost saving method to yard timber.

This Small Cable Yarding System is principally designed for high – lead (partially or fully suspended payloads) yarding, however, under certain conditions, it is also adaptable to downhill yarding or yarding over gentle or level terrain. For these conditions special attachments will be required. (The carriage is a non - clamping carriage).

Beside individual purchases we also offer packages which include everything necessary from rigging gear, tools and all parts required to operate the system properly.

**LENGTH OF SKYLINE CORRIDOR:** max. 300 m, depending on length of mainline being available and complexity of terrain

**LATERAL YARDING DISTANCE:** maximum 30 meters

**LOAD CAPACITY:** up to 1.000 kg

**RIGGING TIME:** approximate 2 men / 2 hours

**POWER STATION:** Any kind of cable winch equipped with a brake.

**PULLING CABLE:** The size of the pulling cable, usually 12 to 14 mm, depends on the design payload.

**INTERMEDIATE SUPPORTS:** The use of Support Jacks; depends on the complexity of the terrain.

**STOP AT THE TOP LANDING:** mechanical locking mechanism.

**STOP AT THE BOTTOM:** by mechanical means, such as a ring or a shackle. A hydraulically operated stop is also available.

**MAINLINE:** The mainline is stored on the winch drum, fed through the hoist block and attached to a swivel at the rear of the carriage. This in effect doubles the pull during lateral yarding while at the same time reduces the yarding speed by about half. The reduced inhaul speed makes it easier for careful extraction of timber and minimizes damage to the residual stand. A 6 or 8 mm mainline, depending on the size of the load, has proven adequate.



*...and you are on the move!*

# Special Cable Winches

CE made in AUSTRIA



MAXWALD has a solution for any lift or pull requirement up to 10 tons. Products can be supplied from our extensive range of standard equipment or manufactured to meet your specific requirements and specifications. Tell us what you need and we will be pleased to discuss your individual requirements and supply you with the optimal solution to meet your specific needs.

tlw.

TÜV  
ÖSTERREICH



made in



# Rescue Winches



Take advantage of our years of experience in designing and building winch systems by calling us to discuss your individual requirements. We will be pleased to work with you to find the optimal solution for your requirements. All our MAXWALD products comply with national and international Safety requirements. Maximum safety for the operator and equipment is our primary goal.



*... and you are on the move!*

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▶ **MAXWALD Quality**

Quality of material, manufacture and ergonomic operating conditions are a true Austrian Trademark.

▶ **MAXWALD Safety**

Maximum Safety through CE-Certificates, partly GS, KWF & FPA recognized equipment;.

▶ **MAXWALD Service**

Excellent service through competent consultation and professional customer service.

Due to our continuing focus on innovation and product development we reserve the right to change specifications.

Your MAXWALD Dealer: