

MAMMUT AND RANGER MANOEUVRING AIDS



MAMMUT

GREAT PRECISION WITH MAXIMUM GROUND CLEARANCE

FINGERTIP MANOEUVRING

Only the AL-KO MAMMUT offers a caravan manoeuvring system with joystick control. Contrary to button operation, you can use one hand to easily steer, accelerate and brake.



PLAYING IT SAFE

To prevent inadvertent operation, the system has to be enabled. The remote control is simply held against the sensor on the drawbar to activate the system.



Control panel with battery (caravan / remote control) and overload display

Adjustable speed and direction control via joystick

Remove MAMMUT drive from the wheel

Engage MAMMUT drive at the wheel



Safety enable

On/Off



360°-turns



Soft start
soft stop



Obstacles
up to 4 cm



Gradients up
to 28% (single
axle trailer)



Infinitely
variable
control



More ground clearance with an AL-KO CHASSIS with the embossed "M" (single axle trailer from model year 2010, tandem from model year 2015).



The sturdy aluminium housing of the MAMMUT is spray water-proof (IP65) and guarantees reliable function at all times even under adverse conditions.



Powerful, robust, compact: Powerful electric motors in each unit drive the caravan wheels.



OPTIMUM GRIP

Two motors are integrated into every drive unit: one for the positioning drive and one for the wheel drive. One push of the button on the remote control and the sturdy sandblasted drive rollers mounted in double bearings press against the tyres. The permanent electronic control of the contact pressure ensures optimum grip under all conditions. The second motor in the drive housing is responsible for the wheel drive.

RANGER

THE CLEVER MANOEUVRING SYSTEM

AL-KO QUALITY AND DESIGN AT AN AFFORDABLE PRICE

The powerful entry model for single axle caravans up to 1.8 t and tandem caravans up to 2.5 t. Manoeuvring without needing anyone's help. Even on uneven terrain.

- | AL-KO quality and design
- | Climbing power up to 18% (long gradient) / over 18% (short gradient, e.g. drive-on ramps)
- | Perfect and tested AL-KO CHASSIS connection from Europe's chassis market leader
- | Soft start and soft stop
- | Ergonomic remote control with lanyard
- | Suitable for almost any caravan up to 1.8 t (single-axle) or 2.5 t (tandem)
- | Protected mechanical system
- | Worldwide service network
- | 5-year warranty (as per AL-KO warranty conditions)



360°-turns



Soft start
soft stop



Obstacles
up to 2 cm



Gradients
up to 18%



THE RIGHT MANOEUVRING SYSTEM FOR ME

MAMMUT

Electric control
Joystick remote control
M-connection / underneath connection
Aluminium housing (IP65)
Electronics in drive
Aluminium rollers on both sides
5-year warranty
Gross weight of caravan*: 2.5 t / 3.0 t
Maximum gradeability up to 28%

RANGER

Manual control
Button remote control
Underneath connection
Plastic housing
Electronics in caravan (storage space)
Aluminium rollers on both sides
5-year warranty
Gross weight of caravan*: 1.8 t / 2.5 t
Maximum gradeability up to 18%

*Single axle trailer / tandem

Our tip:

RANGER and UP4 are unbeatable in a package because both systems can be operated with just one remote control!

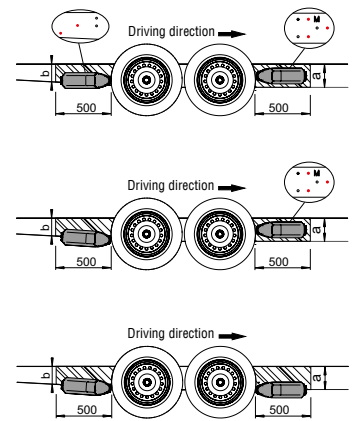


OVERVIEW

“MAMMUT” MANOEUVRING SYSTEM

Type	Weight kg	Part no.
TM400	67 kg	1 730 287
TM410	77 kg	1 730 288
TM420	77 kg	1 730 289
TM401	74 kg	1 730 238
TM402	74 kg	1 730 054
TS411	84 kg	1 730 237
TS412 / TS421	84 kg	1 730 233
TS422	84 kg	1 730 049

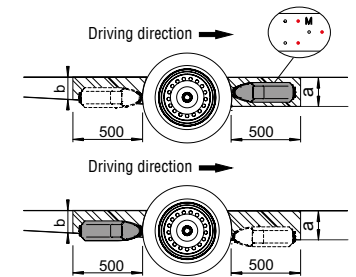
Max. perm. gross caravan weight 3.0 t max. Gradeability (gross weight): 15% (3.0 t)



“MAMMUT” MANOEUVRING SYSTEM

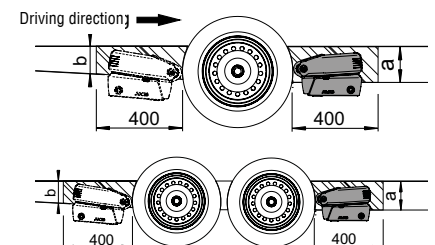
Type	Weight kg	Part no.
M20	32	1 730 367
S21	42	1 730 368
S22	42	1 730 369

Max. zul. Ges.-Gewicht Caravan 2,5 t, max. Steigfähigkeit (Ges.-Gewicht): 15% (2,0 t) / 17% (1,8 t) / 28% (1,2 t)



“RANGER” MANOEUVRING SYSTEM

Type	Axles	Weight kg	Part no.
S21 (single axle trailer)	1	37	1 731 051
TS411 (tandem)	2	74	1 731 211



OPTIONAL MAMMUT / RANGER INSTALLATION ACCESSORIES

Add-on kit for variant S/TS	Contents	Recommended for MAMMUT	Recommended for RANGER	Part no.
Add-on kit AL-KO Vario III AV / IV AV (installation behind the axle, reinforcement of frame profile 2 mm)	2 reinforcement plates with fixing bolts	X	X	1224882
Add-on kit AL-KO Vario III AV / IV AV (installation in front of the axle, overlapping adapter)	2 adapter plates with fixing bolts	–	X	1731042
Add-on kit AL-KO Vario II (installation in front of the axle, overlapping adapter)	2 adapter plates with fixing bolts	–	X	1731044
Add-on kit for frame height (X) less than 185 mm and more than 150 mm	3 x 2 spacer plates each 10 mm with fixing bolts	X	–	1224883
Add-on kit for frame height (X) less than 193 mm and more than 147 mm	2 spacer plates each 15 mm with fixing bolts	–	X	1731063

AL-KO

QUALITY FOR LIFE

Member of **DEXKO**
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