



Technical articles for overhead line construcion

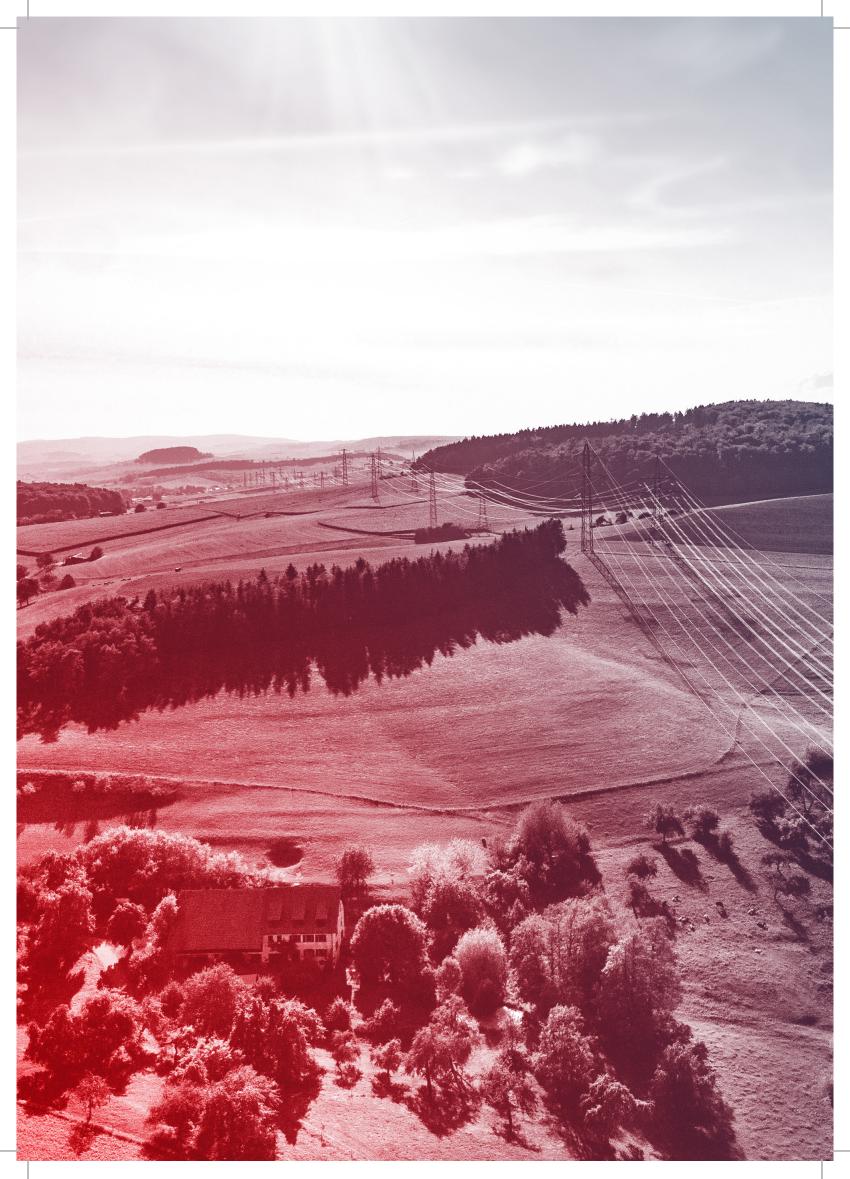






At the highest level **Safety & Quality**

Renowned overhead line construction companies from Germany and more and more companies worldwide rely on our expertise, which is based on years of experience and The company's success is based on the trusting cooperation as a family-run business. As one of the leading manufacturers of overhead line construction products, we know exactly what is important when working at great heights - the highest quality and maximum safety.







Technical articles for

overhead line construction

Cable trolley

Cable trolley hydraulic with motor	S. 10
Patented breaking system	S. 12
Rescue trolley without motor	S. 14
Electic cable trolley	S. 16
Cable trolley 3 axles without motor	S. 18
Working platforms & ladders	
Loop working platform 14 m - 22 m	S. 22
Working platform large version	S. 24
Working platform light version	S. 26
Pylon Suspension Ladder	S.28
Catwalk for hanging ladder	S. 30
Clamping Conductor with hooks	S. 32
Working platforms light version	S. 34
Ladder working platform	S. 36
Triangular stage	S. 38
Mast ladder	S. 40
Roller ladder	S. 42
Lifting tools	
Aluminium rope protection runner	S. 46
Cable Lifter	S. 48
Traverse for Cable Lifter	S. 50
Huge cable lifter	S. 52
Aluminium folding Sheave Blocks	
Aluminium light wheels	S. 56
Other products for overhead line construction	
Flags	S. 60
Aluminium pull carpet	S. 62
Rope winch	S. 64
Pullcat	S. 66

With head, heart and diligence

for highest quality

In 1988 Sebastiano Pagliazzo founded the company Sepa-Tech GmbH & Co KG. As an expert in welding technology, Sebastiano Pagliazzo manufactured products for many local companies. The demand for high quality products grew rapidly and so did the number of employees.

In the year 2011 the company specialises in the development, planning and production of specialist articles for overhead line construction. Sebastiano Pagliazzo now runs the company with a total of 25 employees together with his wife Alexandra Pagliazzo and his two sons Francesco and Riccardo. Important to the Pagliazzo family is a collegial and respectful cooperation within the entire team. This is the only way to ensure the highest level of quality and constant innovative strength with great passion and motivation.





"Quality and safety are our top priorities. For this reason, we have our production processes and products certified by TÜV SÜD".

> Sebastiano Pagliazzo, Managing Director of the Sepa-Tech GmbH & Co KG



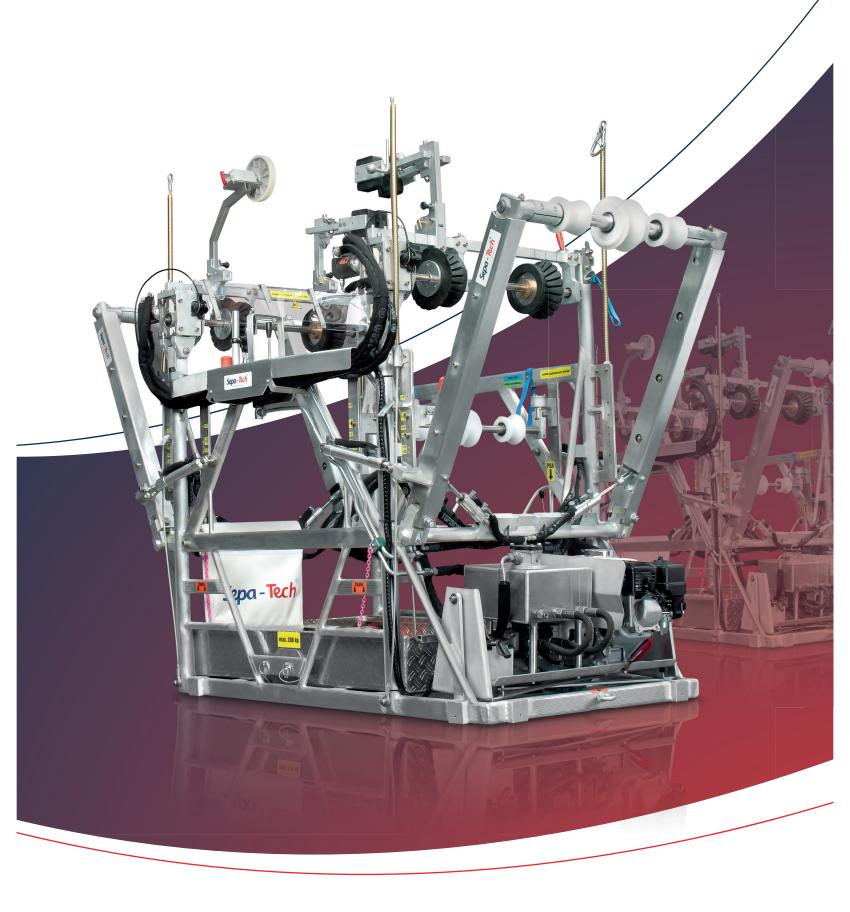


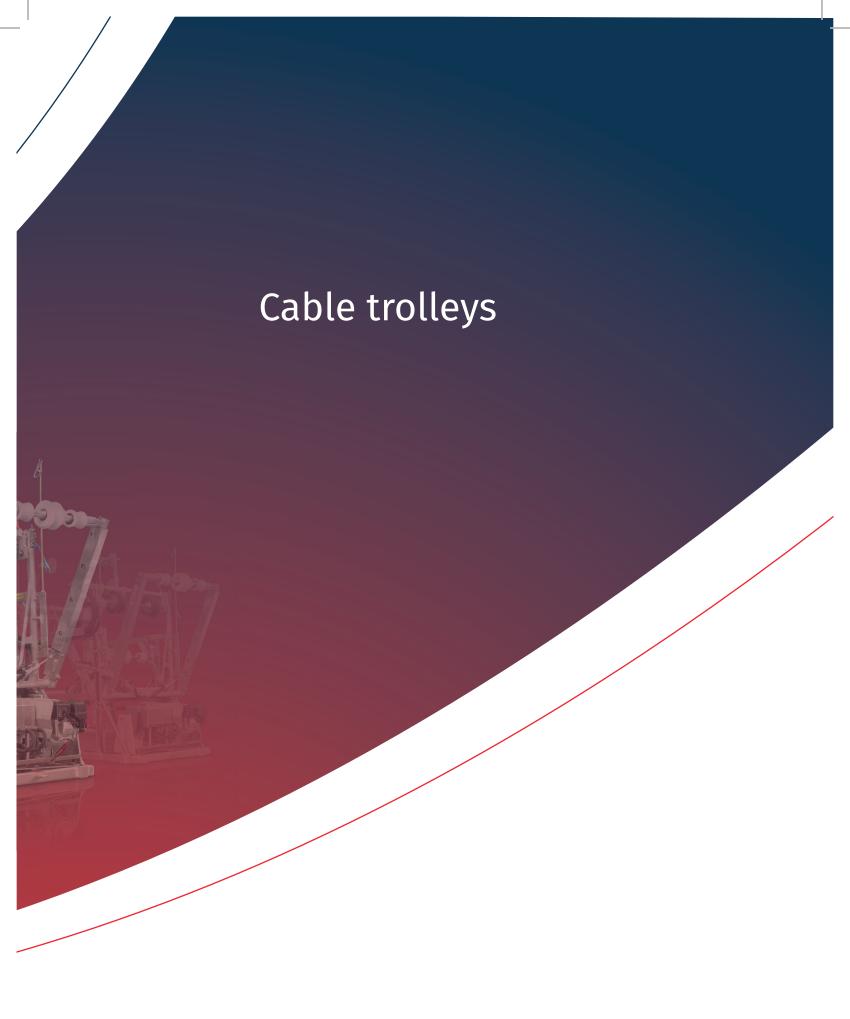
Special construction

In addition to our numerous series products, we develop customised products and solutions specifically for your needs. Starting with detailed advice from our specialist engineers, we realise your idea from design planning to production in the highest quality.

Expert examination

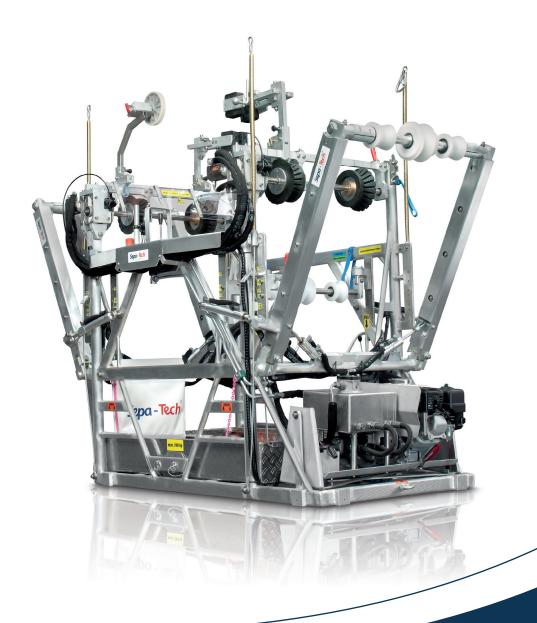
In overhead line construction, great importance is attached to employee safety. As a manufacturer, we see it as our duty to subject our products to annual maintenance. The maintenance service can take place in our factory in Engen on Lake Constance or at your site.





1200/4

Cable trolley Hydraulic with motor



- Hydraulically driven cable trolley with hydraulic lifting arms and welded aluminium profiles for -1 Conductor4 cables
- (max. conductor distance mm600)
- Fast and safe passing over the support masts
- 600 spacing also possible with horizontal bundles2
- Hydraulic hoses and fittings with special sealing system



Outer dimension (L x W x H):	2300 x 1100 x 1500 mm	
Unladen weight:	265 kg	
Payload:	200 kg	
Inside dimension:	830 x 1050 mm	
Max. Number of persons:	1 Person	
Speed:	Max 6 km/h	
Rope diameter:	19 up to mm40	
Single rope:	incl. air warning spheres max. mm650	
Bundle of 2 horizontally:	Rope spacing: mm,400 500 mm, mm600	
Bundle of 2 vertical:		
Bundle of 3:	Rope spacing: mm,400 500 mm, (600 mm optional)	
Bundle of 4:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Lifting arm:	extendable &200 mm400	
Max. angle of inclination:	Dry 30° / Wet °15	
Drive:	Honda 4 stroke engine with 5 hp & starter oscillating, damping mounted Start/stop system included Better climbing ability due to swivelling drive unit	
Useful life per tank filling:	approx. hours2	

Axles:	2 Driven axles with rubber wheels 2 axles with plastic rollers 1 additional axle with high flank (centre roller)
Optional:	Rescue flap, Support feet for simplified transport, special versions on request
Standard equipment:	Robust frame made of welded aluminium profiles, emergency stop, fire extinguisher with protective cover, lifting points for lifting, Bracket for net, towing eyes, drive roller cover made of unbreakable, transparent polycarbonate, Biodegradable hydraulic oil
Brakes:	2 lowering brakes on the gearboxes, 2 mechanical disc brakes, crank2 brakes
Transport:	Integrated forklift pockets for transport in standard equipment

Accessories

Safety accessories	
Height rescue conce tem no.: HRK-Basis	ept
Second additional a Optional safety acce	oxis with high flank essory for 2-piece vertical bundle
Continuous safety n tem no.: Net1200	et
Open the safety lock tem no.: 1200/4 Ss	k for the operating lever Lifting arms
Hydraulic (automati	ic) parking brake

Standard accessories	
Meter counter Art no.: 1202	
Battery monitor with o	harger
Art no.: 1201	
Transport box	
Item no.: LFW-TK	
Lifting chains	
Art no.: 280	
Toolbox	
Art no.: 254	

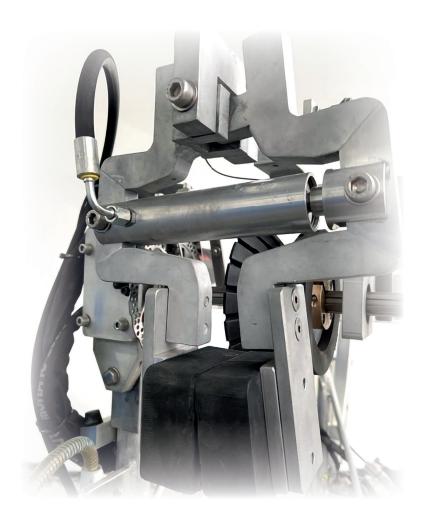
WE BRAKE FOR YOUR SAFETY!

Patented* hydraulic braking system acting directly on the rope.



• *Patent specification DE 10 2021 102 375 B3





- · Absolute safety with robust and compact design!
- The braking effect is guaranteed even in the event of a failure of the hydraulic system system fails.
- Safe stopping of the trolley even with greased or greased or wet conductor ropes.
- Emergency release available.
- Fully automatic brake intervention.

LFW-R

Ambulance without engine



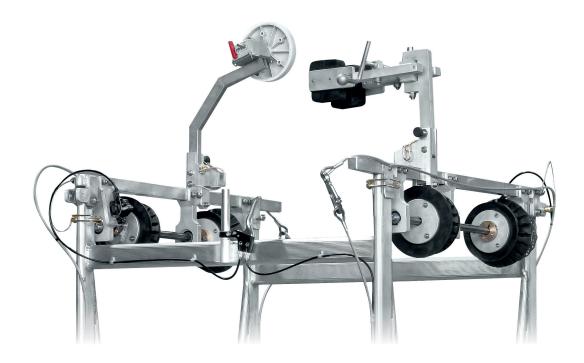
- Product features
- Very light cable trolley, specially designed for rescue purposes.
- Flexible and quickly ready for use also available as a light cable trolley without motor (as above with meter counter and crank brake)
- Available in different sizes on request



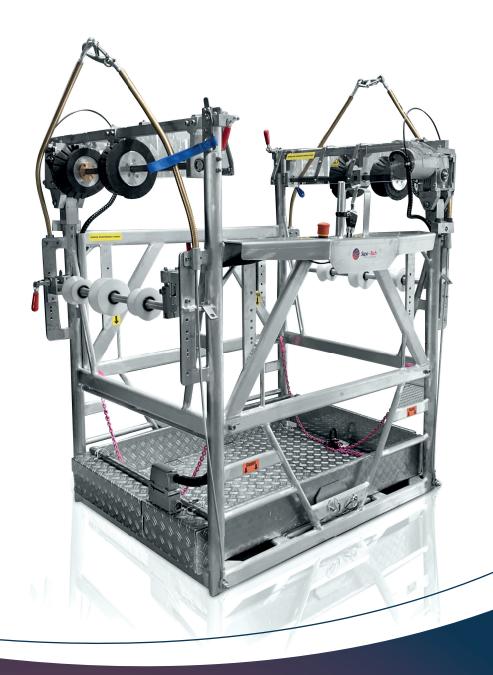
Standard(s)	built according to the GS-ET-01 standard
Outer dimension (L x W x H):	870 x 870 x mm1450
Unladen weight:	50 kg
Payload:	150 kg
Max. Number of persons:	1 Person
Rope diameter:	19 up to mm50
Single rope:	Mobile
Bundle of 2 horizontally:	Rope spacing: (400,600mm500, optional)
Bundle of 2 vertical:	
Bundle of 3:	Rope spacing: 400 mm, mm500
Bundle of 4:	
Axles:	2 Axles each with solid2 rubber profile wheels 1 Additional axis
Brakes:	2 Disc brakes on the drive axles, crank brake (optional)

Accessories

Meter counter	
2. Additional axis	



E-LFW Elektrischer Leitungsfahrwagen





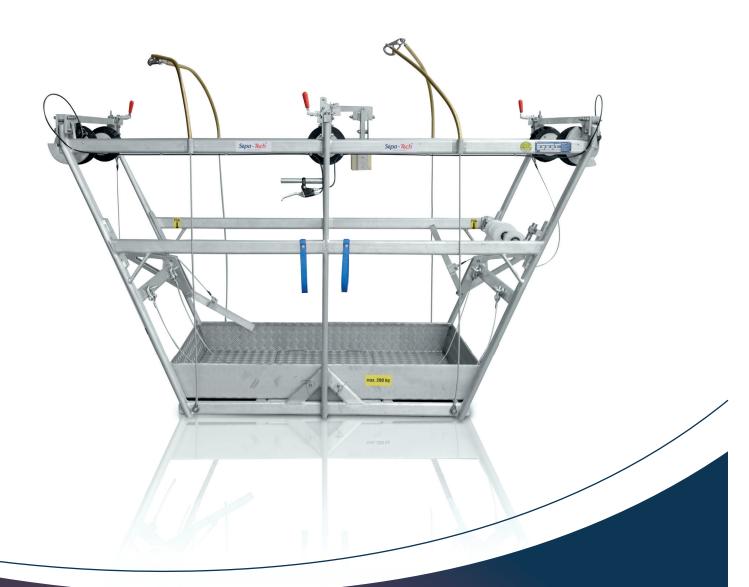
Outer dimension (L x W x H):	1400 x 1000 x 1500
Unladen weight:	109
Inside dimension:	830 x 1050 mm
Payload:	200kg
Driveable:	Single rope, 2, 3, 4 bundle
Standard-Ausstattung:	Robust frame made of welded aluminum profiles, Emergency stop, Anchor points for lifting, holder for net, towing eyes, drive roller cover made of unbreakable, transparent polycarbonate

Accessories

Safety accessories	Standard accessories
Height rescue concept Item no.: HRK-Basis	Meter counter Art no.: 1202
Second additional axis with high flank Optional safety accessory for 2-piece vertical bundle	Battery monitor with charger Art no.: 1201
Continuous safety net Item no.: Net1200	Transport box Item no.: LFW-TK
Open the safety lock for the operating lever Lifting arms Item no.: 1200/4 Ss	Lifting chains Art no.: 280
	Toolbox Art no.: 254

1120/3

Cable trolley without motor (3-axis)

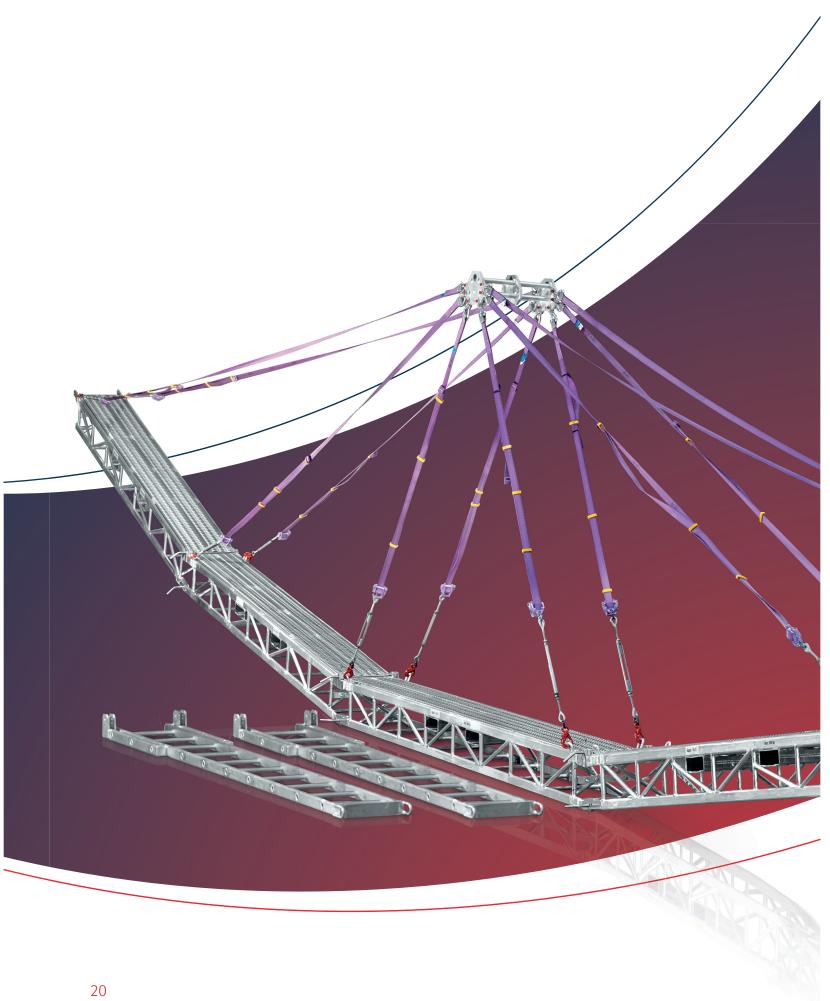


- Line vehicle with mechanical roller axles and welded aluminium profiles
- Pulling aid on the outer axles, facilitates hooking in the axles



according to the Standard GS-ET-01 built

Outer dimension (L x W x H):	2300 x 1100 x 1500mm
Unladen weight:	98 kg
Payload:	200 kg
Inside dimension:	830 x 1050 mm
Max. Number of persons:	1 Person
Rope diameter:	19 up to mm40
Single rope:	Mobile
Bundle of 2 horizontally:	Rope spacing: mm400,500,600
Bundle of 2 vertical:	
Bundle of 3:	Rope spacing: 400 mm, mm500
Bundle of 4:	
Axles:	2 Axles each with solid2 rubber profile wheels 2 Additional axles with high flank (centre roller)
Brakes:	2 Disc brakes on the drive axles Crank2 brakes





SFB-410-310-XX

Loop working platform m 14- m22

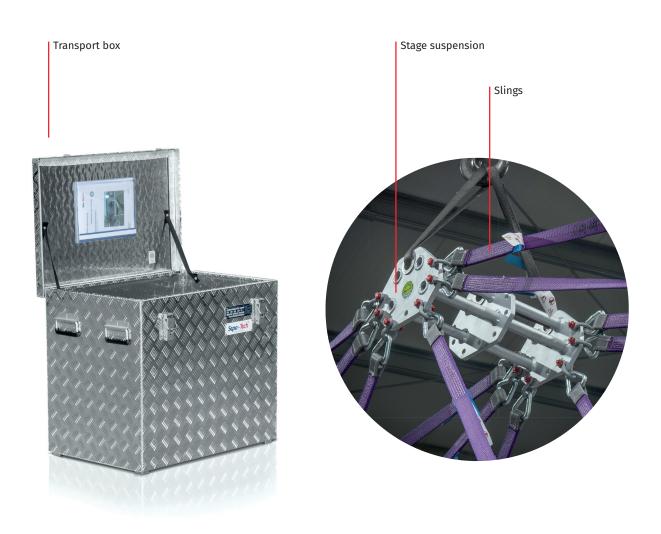


- The platform elements are each secured with socket bolts4
- Pre-assembly can be done on the floor (5 pre-adjustment possibilities in °-steps5)
- The pre-assembled platform suspension with lifting straps is supplied in a transport box.
- For horizontal use on the guyed mast
- High slip resistance due to aluminium structural profile & extra wide footprint
- Lightweight, handy aluminium construction
- High stability due to 4-bar construction
- Angle between segments2 adjustable up to 10
- Automatically locking plug-in bolts with steel safety rope
- Welded brackets for plug-in bolts
- Safe access via folding2 ladders (max. m3)
- Markings for adjusting at angles5



Certified by the TÜV SÜD

Article no:	SFB-410-310-14000	SFB-410-310-18000	SFB-410-310-22000
Length (mm)	14000	18000	22000
Elements	4	5	6
Slings	10	12	14
Payload (kg)	800	800	800
Total weight (kg)	204	260	314



AB-G-410-310-XX

Working platform large version



- For horizontal use on the mast
- (Work platform made of aluminium tubes with central suspension device)
- Anchorage points at both ends
- Attachment point for pendulum camber available as standard
- Aluminium box construction



Article no:	AB-G-410-310-10000	AB-G-410-310-13000	AB-G-410-310-14000
Length (mm)	10000	13000	14000
Elements	2	4	3
Tread (width in mm)	410	410	410
Stage height (mm)	310	310	310
Payload (kg)	400	400	400
Own weight (kg)	112	122	127

AB-L-230-150-XX

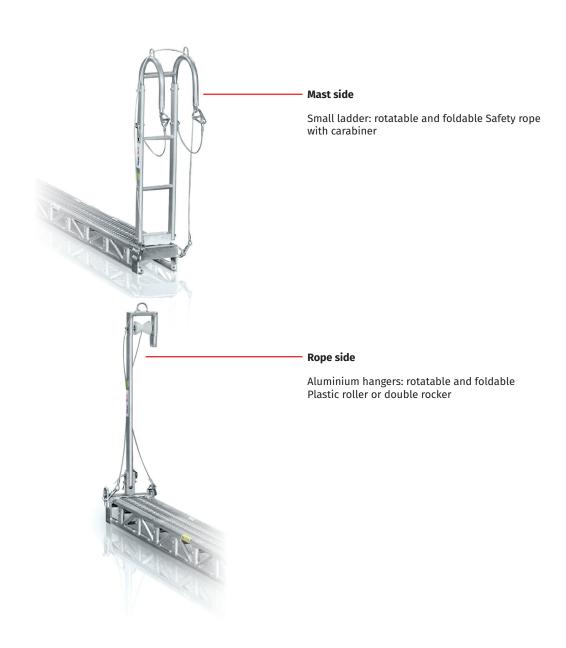
Working platform light version



- For horizontal use on the mast
- (Work platform made of aluminium tubes with central suspension device)
- Anchorage points at both ends
- Attachment point for pendulum camber available as standard
- Aluminium box construction



Article no:	AB-L-230-150-3000	AB-L-230-150-4000	AB-L-230-150-5000	AB-L-230-150-10000
Length (mm)	3000	4000	5000	10000
Elements	1	1	1	2
Tread (width in mm)	230	230	230	230
Stage height (mm)	150	150	150	150
Payload (kg)	275	275	275	250
Own weight (kg)	34	39	44	89



SM-HL-340-60-XX

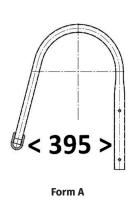
Pylon Suspension Ladder

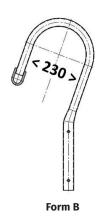


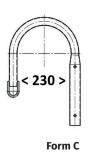


Article no:	SM- HL-340-60- 3000	SM- HL-340-60- 4500	SM- HL-340-60- 5000	SM- HL-340-60- 6000	SM- HL-340-60- 7000	SM- HL-340-60- 9000	SM- HL-340-60- 14000
Length (mm)	3000	4500	5000	6000	7000	9000	14000
Width (mm)	340	340	340	340	340	340	340
Elements	1-piece	1-piece	1-piece	1-piece	1-piece	2-piece	2-piece
Max. Max. load hanging (kg)	250	250	250	250	250	250	250
Max. Load at 65°- 89° (kg)	250	250	250	250	125	125	Nicht zulässig
Own weight (kg)	11	18	20	22	25	36	50

IMPORTANT! Only suitable for hanging use.







LS-H-240-160-XX

Catwalk for Hanging Ladder



- Construction: aluminium tube with playpen and integrated safety rope
- For horizontal use on the mast
- For hanging in suspended ladders2 (A-shape)
- High step and grip safety due to aluminium structural profile
- High stability due to 2-spar construction
- 4 Sprout pockets
- Pre-tensioned safety rope on both sides with safety bolt



Article no:	LS-H-240-160-4000	LS-H-240-160-5000	LS-H-240-160-6000
Length (mm)	4000	5000	6000
Width (mm)	340	340	340
Tread (width in mm)	240	240	240
Construction height (mm)	160	160	160
Pocket opening (mm)	30	30	30
Payload (kg)	250	250	200
Own weight	18	22	26





ASL-340-70-XX

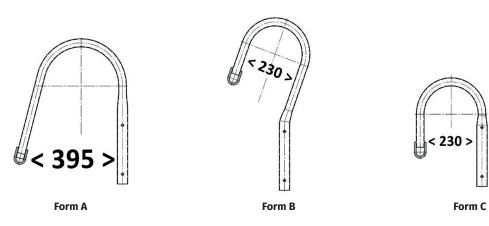
Clamping Conductor with hooks



- Horizontal and vertical use on the guyed mast
- Foldable and rotatable pole hook
- Rotatable polyamide pulley in the ladder rope hook
- Rotatable aluminium pulley in the ladder rope hook
- Attachment point for pendulum camber available as standard



Article no:	ASL-340-70-3000	ASL-340-70-4000	ASL-340-70-5000	ASL-340-70-6000	ASL-340-70-7000
Length (mm)	3000	4000	5000	6000	7000
Width (mm)	340	340	340	340	340
Payload (kg)	200	200	200	200	200
Own weight (kg)	20	22	24	26	28
Extension	Extension on request				





GEB-XXX-XX

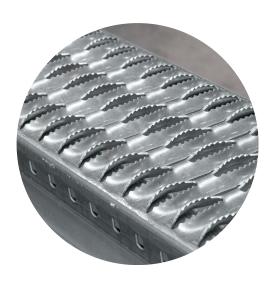
Working platforms light version



- Made of high quality aluminium profiles.
- Aluminium tread Width or 120,180mm240
- Mast side: Small ladder with stainless steel double bracket, rotatable and foldable
- Rope side: aluminium hangers rotatable and foldable
- with integrated plastic single or double castor rocker
- Hanger & ladder with safety rope



Article no:	GEB-120-100-3000	GEB-120-100-4000	GEB-120-100-5000	GEB-120-100-6000	GEB-120-100-7000
Length (mm)	3000	4000	5000	6000	7000
Width (mm)	120	120	120	120	120
Height (mm)	100	100	100	100	100
Payload (kg)	200	200	200	200	200
Own weight (kg)	27	29	31	33	35
Article no:	GEB-180-100-3000	GEB-180-100-4000	GEB-180-100-5000	GEB-180-100-6000	GEB-180-100-7000
Length (mm)	3000	4000	5000	6000	7000
Width (mm)	180	180	180	180	180
Height (mm)	100	100	100	100	100
Payload (kg)	200	200	200	200	200
Own weight (kg)	28	30	32	34	36
Article no:	GEB-240-100-3000	GEB-240-100-4000	GEB-240-100-5000	GEB-240-100-6000	GEB-240-100-7000
Length (mm)	3000	4000	5000	6000	7000
Width (mm)	240	240	240	240	240
Height (mm)	100	100	100	100	100
Payload (kg)	200	200	200	200	200
Own weight (kg)	29	31	33	35	37



Increased safety thanks to the aluminium structure profile on the running surface

LB-290-150-XX

Ladder working platform



- Construction: Aluminium box construction for horizontal use.
- Optional: integrated playpen
- Rope side: aluminium hanger with plastic pulley and safety rope
- Pre-tensioned safety rope
- Stainless steel hanger mast crossbar



Certified by the **TÜV SÜD**

Article no:	LB-290-150-4000	LB-290-150-5000	LB-290-150-6000	LB-290-150-7000
Length (mm)	4000	5000	6000	7000
Width (mm)	290	290	290	290
Elements	1	1	1	1
Payload (kg)	275	275	250	250
Own weight (kg)	25	28	31	33
Extension	Extension on request			

Hangers

Rotatable with plastic roller and safety rope



DEB-XX-XX-XX

Triangular stage



- For horizontal use on the guyed mast
- Lightweight round aluminium profile
- High stability due to trapezoidal construction
- Easy transport due to foldable, rotatable ladder rope bracket
- Variable hooking into the top of the mast due to welded eyelets



Article no:	DEB-355-380-4000	DEB-355-380-5000	LS-H-355-380-6000	LS-H-355-380-7000
Length (mm)	4000	5000	6000	7000
Width (mm)	355	355	355	355
Construction height (mm)	380	380	380	380
Payload (kg)	275	275	250	250
Own weight (kg)	27	30	33	37

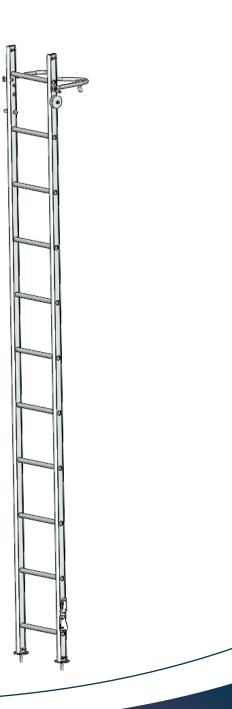
Hangers

Rotatable with plastic roller and safety rope



ML-350-60-3300

Mast ladder



Product features

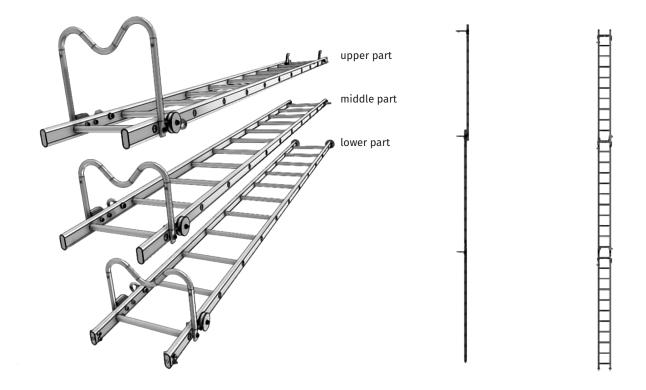
- due to quick assembly and safe climbing protection
- Highest working safety due to double stile ladder
- Low-wear attachment to the mast by means of special anchoring equipment (braided line and mast bracket with anchoring block)
- High flexibility in terms of height (max. m20,00) and mast diameter (ø mm 140to mm1.000)
- The erection time (mast stick time) for one m 15,00long

masts is approx. minutes10

- Maximum total load kg150 per ladder system / set
- Rung-rail connection through high-strength quality flanging
- The double spar design allows easy transport, stacking and storage of the modules



Article no:	ML-350-60-3300-U	ML-350-60-3300-M	ML-350-60-3300-O
Length (mm)	3300	3300	3300
Width (mm)	350	350	350
Payload (kg)	250	250	250
Own weight (kg)	12 kg	12 kg	12 kg
Optional	Special requests upon request		



RO-HL-340-60-XX

Roller ladder

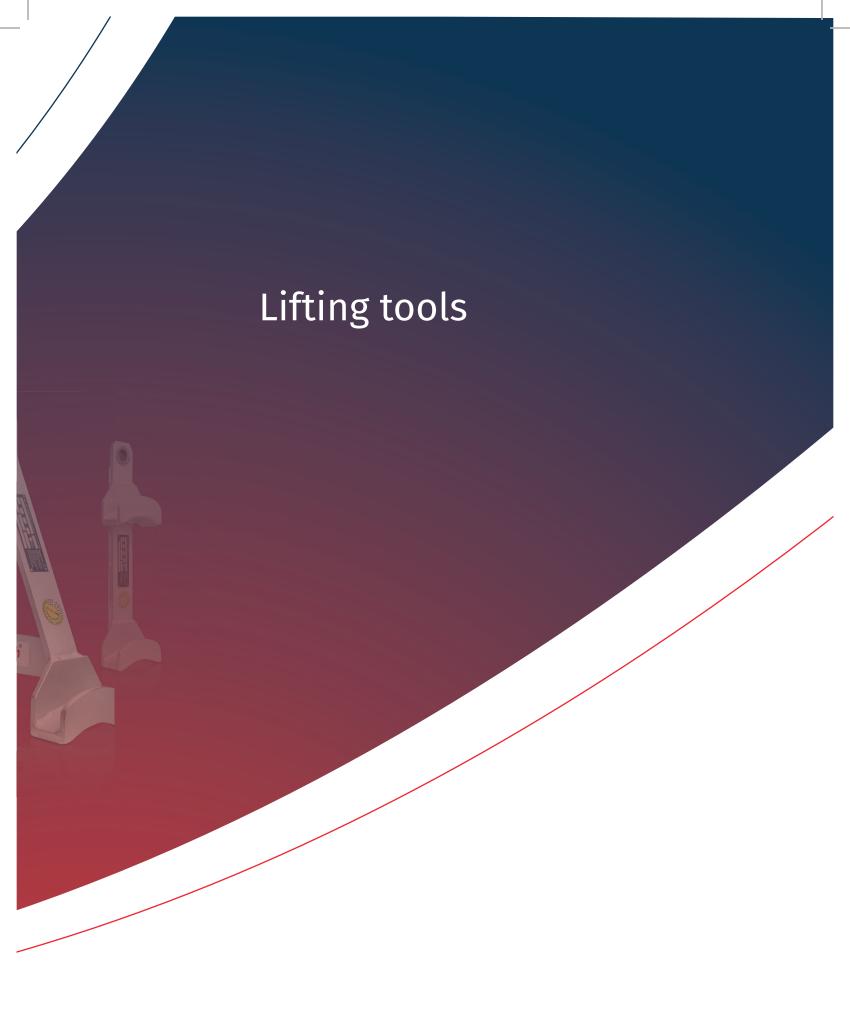


- Roller ladder with parking brake
- Made from high quality corrugated aluminium profiles
- Safety rope installed in the ladder
- Optional: tread



Article no:	RO-HL-340-60-3000	RO-HL-340-60-4500
Length (mm)	3000	4500
Width (mm)	340	340
Payload (kg)	250	250
Own weight (kg)	18	21
Optional	Tread	Tread





AL-SL-XX

Alu-Rope Protection Runner



- Construction: Aluminium
- Plastic castors diameter 100mm, width 48mm
- (other roles also possible)
- Eyelets on the lower triangular frame to pull from the floor
- Foldable for transport



Article no:	AL-SL-2500	AL-SL-3000
Roller spacing (mm)	2500	3000
Own weight (kg)	18	19

AH-T-XX

Cable Lifter



- Construction: Aluminium
- Plastic castors diameter 100mm, width 48mm
- (other roles also possible)
- Eyelets on the lower triangular frame to pull from the floor
- Foldable for transport



Article no:	AH-T-4x-400	AH-T-2x-horizontal	AH-T-2-fold-vertical
Pocket opening (mm)	45	45	45
Rope spacing (mm)	400	400	400
Breaking load (kg)	4400	4400	4400
Payload (kg)	2000	2000	2000
Own weight (kg)	9,5	4,8	5,0

Article no:	AH-T-2000	AH-T-2000-G	AH-T-4000	AH-T-4000-G
Pocket opening (mm)	45	35	45	35
Width (mm)	170	170	170	170
Total height (mm)	220	220	220	220
Breaking load (kg)	5000	5000	11000	11000
Payload (kg)	2000	2000	4000	4000
Own weight (kg)	1,8	2,0	2,2	2,3

Optionally, all conduction lifters are available with rubber inserts

TRA-XXX

Traverse for Cable Lifter



- Traverse for two conduction lifters
- •Tabs are secured with hinged bolts without individual parts



Article no:	TRA-2000	TRA-3000	TRA-4000
Total length (mm)	2000	3000	4000
Width (mm)	170	170	170
Height (mm)	300	300	395
Payload (kg)	1000-3000		
Own weight (kg)	11	13	33

Payload can be increased on request.

Possible lug designs

TRA-2000-10

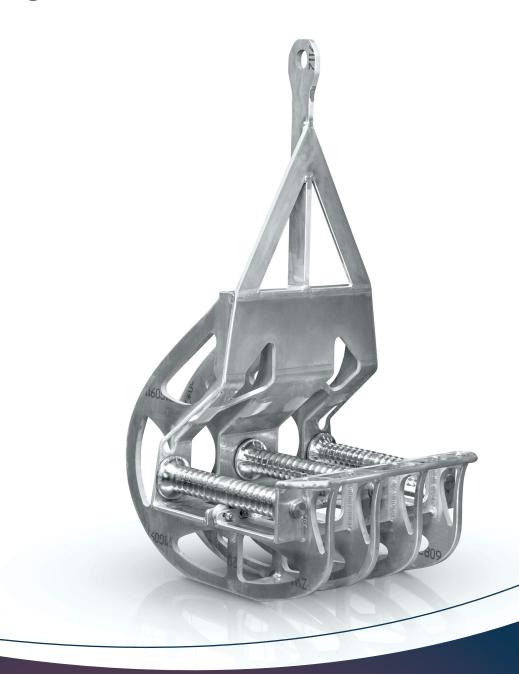


TRA-2000-20



AH-450/4 (R)

Huge Cable Lifter



- Extremely lightweight construction with an unladen weight of only kg90
- Safe rope guidance via three spindles
- Edge protectors prevent chafing and kinks
- Transport rollers available as optional accessories



Outer dimension in mm (L x W x H):	884 x 800 x 1532
Unladen weight	90 kg
Payload	4 t
Breaking load	12 t



AS-KR-XX-XX

Alu- Rope Folding Sheave Blocks



- Safety hook
- Castors embedded in the sides of the cheeks
- The weight to be lifted must not exceed 1/2 of the hook load.



235

10000

22

Technical data & product details

Rollers Ø (mm)

Own weight (kg)

Payload (kg)

Article no:	AS-KR-500-X	AS-KR-1000-X	AS-KR-3000-X	AS-KR-B-3000-X
Version				Wide version
Rope Ø (mm)	5-30	10-30	10-30	10-50
Pulley	A = Aluminium K = Plastic			
Rollers Ø (mm)	50	125	125	125
Payload (kg)	500	1000	3000	3000
Own weight (kg)	0,9	2,4	3,7	3,9
Article no:	AS-KR-G-3000	AS-KR-5000	AS-KR-8000	AS-KR-10000
Version	Large version			
Rope Ø (mm)	10-50	10-50	10-50	10-50
Pulley	Aluminium	Aluminium	Aluminium	Aluminium

235

5000

11

235

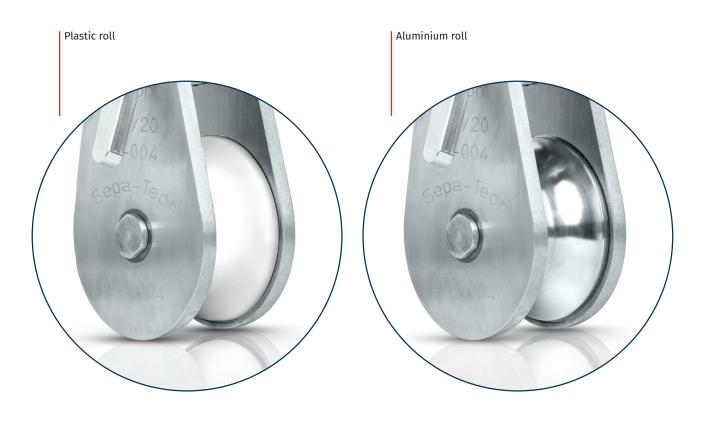
8000

16

235

3000

9,0



LR-XX-XX

Aluminium light wheels



- Aluminium light wheel welded
- Very light and easy to handle
- Available diameters: 650/800/1000 mm
- High-quality, maintenance-free ball bearings with high load capacity



Article no:	LR-650-65	LR-650-95	LR-800-65	LR-800-95
Opening (mm)	65	95	65	95
Ø Tread (mm)	650	650	800	800
Total height (mm)	1100	1100	1240	1240
Breaking load (kg)	12000	12000	12000	12000
Payload (kg)	3000	3000	3000	3000
Own weight (kg)	13	19	16	22
Optional frame	LR-650-frame-12	LR-650-frame-8	LR-800-frame-12	LR-800-frame-8
Number of wheels	12	8	12	8

Article no:	LR-1000-65	LR-1000-95
Opening (mm)	65	95
Ø Tread (mm)	1000	1000
Total height (mm)	1350	1350
Breaking load (kg)	12000	12000
Payload (kg)	3000	3000
Own weight (kg)	18	26
Optional frame	LR-1000-frame-12	LR-1000-frame-8
Number of wheels	12	8



Stackable racks





EF-900-600-GG / F-400-400-G **Earth Flags**



- Clamping device with swivel joint (8-fold lockable)
- Easy to attach to the mast
- Safety rope with carabiner



Article no:	EF-900-600-GG	F-400-400-G
Version	Grounding Flag Yellow-Green	Flag green
Material	Aluminium / Stainless steel / Weatherproof PVC	Aluminium / Stainless steel / Weatherproof PVC
Material thickness in the clamping range (mm)	14	14
Total height (mm)	1250	1000
Flag size (mm)	900 x 600	400 x 400
Own weight (kg)	2,9	2,6

Special colours such as red on request

ZT-32

Aluminium pull carpet



- For connecting bundles of 2, 3 or 4 with the hauling rope
- Balancing chain
- Very light, due to aluminium construction



Outer dimension (L x W x H):	615 mm x 660 mm x 190 mm
Unladen weight:	32 kg
Payload:	2500 kg
Breaking load:	10000 kg

SW15KN-001

Cable winch





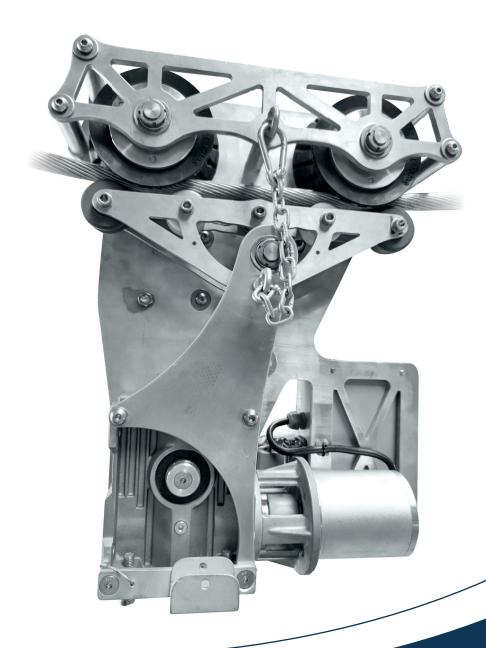
- 1-axle suspension, brake, lighting and mudguards for up to km/h100
- Support through robust hydraulic mountain support at the front and rear
- · Automatic rope spooler
- · Lockable aluminium cladding (chequer plate)
- Large rope drum with stable pressure roller for fixing the rope
- 4-stroke petrol engine with speed control kW14 (19.1hp)
 The engines comply with the world's strictest exhaust regulations
- · Low fuel and oil consumption
- Foldable transport support for safe transport and relieving the load on the axle
- Radio remote control

- Release device for manual extraction of the rope without motor
- Slack rope safety device (only for steel rope)
- Underbody guard
- Spare wheel with bracket
- Lockable toolbox
- Earthing grid with bracket including m 3copper cable mm²50
- · Biodegradable hydraulic oil
- Rope in different versions (steel or man-made fibre)
- Sound insulation, reduction by approx. DB10
- Cladding made of aluminium smooth sheet according to RAL colour chart

Article number	SW15KN-001
Max. Tractive force	15 KN
Max. Speed	3 Km/h circa
Length x width x height	2,6 x 1,35 x 2,5 m
Weight	900 Kg
Motor	Honda GX 630 14 KW



Pullcat





Product features

- 2.0kW brushless motor
- 48V Lipo battery
- Climb angle max. °45 with 100kg load
- max. 300kg payload (vert. payload)
- 400m remote control range
- Weight without battery approx. 20kg
- Weight with battery 25-30kg
- Meter counter with reset function, value can be read on the remote control display
- Emergency stop function
- Additional ports available (camera, sensors, measuring tools)
- · Quick charging station for mobile use
- Drive mode: Forward, reverse via joystick on remote control

Further information on request

At the highest level Quality & Safety in Overhead Line Construction





Sepa-Tech GmbH & Co. KG Gottlieb-Daimler-Str. 11 78234 Engen Germany

phone: +49 7733 36047-0 fax: +49 7733 36047-29 E-Mail: info@sepa-tech.de

sepa-tech.de