



## CUTTING TOOLS

MECHANIC CUTTING TOOLS  
HYDRAULIC CUTTING TOOLS  
SAFETY CUTTING UNIT



Order No. 1623 032



ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE

### Insulated front ratchet cutter D32

APPLICATION RANGE	Ø 32 mm / 240 mm <sup>2</sup>
SUGGESTED APPLICATION	Copper and aluminium

Description	Order No.	Length	Weight
Ratchet cutter	1621032	315 mm	1200 g
Insulated ratchet cutter	1623032	315 mm	1300 g

- Comfortable one hand tool
- No jamming of the blade
- Cutting can be interrupted at any point in the cut
- Professional multi-layer dipped insulation
- Blades can be opened by acting on spring loaded lever

SUITABLE TO WORK UNDER VOLTAGE

### Ratchet cutter ACSR (Al/Steel) D32

APPLICATION RANGE	Ø 32 mm / 240 mm <sup>2</sup>
SUGGESTED APPLICATION	ACSR (Al/Steel)

Description	Order No.	Length	Weight
Ratchet cutter	1608032	346 mm	1400 g

- Replaceable cutting inserts
- High cutting capacity
- Low effort and small handle opening enable one-hand operation
- Progressive feed mechanism for cutting

SUITABLE TO WORK UNDER VOLTAGE

### Insulated ratchet cable cutter D32/D54

	ORDER NO. 160...	...5 032	...5 054
APPLICATION RANGE		Ø 32 mm/260 mm <sup>2</sup>	Ø 54 mm/480 mm <sup>2</sup>
SUGGESTED APPLICATION		Copper and aluminium	

- High leverage ratchet mechanism for single handed cutting of copper and aluminium cables leaving no burrs or sharp edges
- Patented Two-step ratchet mechanism requires fewer strokes per cut
- Quick release opens blades easily in every cutting position (allows removal of the cable even before complete cut, if necessary)
- Hardened steel cutting blades for lasting strength and sharpness
- 1000 V Plastic covered handles with hand guards for comfort and firm grip
- Locking lever keeps handles closed for easy transport fits in a tool box or bag

Description	Order No.	Length	Weight
Ratchet cutter D32	1605032	265 mm	650 g
Ratchet cutter D54 short	1607054	285 mm	800 g
Ratchet cutter D54 long	1605054	320 mm	900 g
Ratchet cutter D54 long (non ins.)	1606054	320 mm	900 g



**Cable shears in ratchet design**

APPLICATION RANGE	Ø 100 mm	Ø 60 mm
SUGGESTED APPLICATION	Cooper and aluminium	

Description	Order No.	Length	Weight
Cable shears	MSR100	820 mm	6,2 kg
Cable shears	MSR60	720 mm	4,8 kg

- Suitable for cutting Al/Cu cables
- Two-hand operation with lever transmission
- Cutting range: up to max. Ø 100 mm / Ø 60 mm
- Not suitable for cutting steel and steel wire

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**Cable shears**

Description	Order No.	Length	Weight
Cable shears	MS30	600 mm	2,2 kg

- Cable shears for cutting Al/Cu cable cutting area: 30 mm Ø, e.g. 4 x 35 mm<sup>2</sup> stranded

**Accessories:**  
EK30 - replacement cutting head MS30

■ ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE

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### Cable cutter

Description	Order No.	Length	Weight
Cable cutter	MS50	770 mm	3,0 kg

- Compound leverage two-hand snips for cutting of Al/Cu cable
- Cutting area: Ø 50 mm
- Flat ground knives made of high-quality steel
- Sickle-shaped, rounded blades for a safe and precise cut
- Impact-resistant, hardened handle tubes

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### Cable cutter with telescopic handles

APPLICATION RANGE	185 mm <sup>2</sup>
JAW OPENING	28 mm
SUGGESTED APPLICATION	Copper and aluminium

Description	Order No.	Length	Weight
Cable cutter	253260	350 - 500 mm	2000 g
Spare blades	253760	-	300 g

- For smooth cutting of copper and aluminium conductors
- Replaceable cutting head
- The razor-sharp cutters guarantee a smooth and effortless cut
- For copper and aluminium cables only
- Handles with multi-coated insulation

■ ATTENTION: NOT SUITABLE FOR WORK UNDER VOLTAGE

### Cable cutter

ORDER NO. 2773...	... 46	... 61	... 80
JAW OPENING	30 mm	35 mm	60 mm
APPLICATION RANGE	120 mm <sup>2</sup>	180 mm <sup>2</sup>	500 mm <sup>2</sup>
SUGGESTED APPLICATION	Copper and aluminium		

Description	Order No.	Length	Weight
Cable cutter	277346	460 mm	1430 g
Spare blades	277946		640 g
Cable cutter	277361	600 mm	2070 g
Spare blades	277961		660 g
Cable cutter	277380	800 mm	3800 g
Spare blades	277980		1140 g

- Cutting head made of oil-hardened steel
- The razor-sharp blades guarantee a smooth and effortless cut
- Light metal handles
- Professional multi-coated insulation



1000V  
ENIEC60900:2004

### Insulated wire rope cutter



ORDER NO. 277...	...4 46	...3 60
JAW OPENING	10 mm	20 mm
APPLICATION RANGE - STEEL (ROPE)	95 mm <sup>2</sup>	150 mm <sup>2</sup>
APPLICATION RANGE - STEEL (ROPE)	Ø 10 mm	Ø 12 mm
APPLICATION RANGE - STEEL (ROUND)	Ø 7 mm	Ø 9 mm
SUGGESTED APPLICATION	Copper, aluminium and steel	

Description	Order No.	Length	Weight
Wire rope cutter	277446	460 mm	1340 g
Spare blades	277846		475 g
Wire rope cutter	277360	600 mm	2710 g
Spare blades	277860		910 g

- Replaceable cutting head
- Cutting head made of special alloyed steel
- Square cut blades for the hardest steel wires
- Handles made of light metal
- Professional multi-coated insulation

### Wire rope cutter



Description	Order No.	Length	Weight
Wire rope cutter C112	277562	730 mm	3600 g

- The elaborate transmission system of these tools develops amazing cutting power with little effort. This allows the separation of hardest wire ropes, bars and wires up to a Ø of 12.7 mm.
- All parts easily replaceable
- Light-metal mounting
- Case-hardened knives, for cutting very hard cables
- Handles made of forged aluminium
- Also available in insulation 23/5000

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### Insulated bolt cutter



ORDER NO. 2752...	... 46	... 61	... 76	... 91	... 95
APPLICATION RANGE Ø	7 mm	9 mm	11 mm	13 mm	15 mm
SUGGESTED APPLICATION	High tensile steel ropes / bolts				

Description	Order No.	Length	Weight
Bolt cutter insulated	275246	460 mm	1400 g
Spare blades	275047		1400 g
Bolt cutter insulated	275261	610 mm	2500 g
Spare blades	275062		1600 g
Bolt cutter insulated	275276	760 mm	4500 g
Spare blades	275077		1800 g
Bolt cutter insulated	275291	910 mm	6300 g
Spare blades	275092		1800 g

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### Hacksaw

WIDTH OF BLADE	5 mm
THICKNESS OF BLADE	0,80 mm

Description	Order No.	Length	Weight
Hacksaw	424200	280 mm	230 g
Spare saw-blade	433010	150 mm	3 g

- Made of flat steel 10 x 5 mm, galvanized
- For 148 mm saw-blades
- With insulated rotary handle for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE

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1000V  
ENITEC60900:2004



### Hacksaw

WIDTH OF BLADE	13 mm
THICKNESS OF BLADE	0,63 mm

Description	Order No.	Length	Weight
Hacksaw / saw-blade	424300	470 mm	660 g
Blade 22/32 teeth width 13 mm, thicken. 0,63 mm	421000	300 mm	17 g
Blade 18 teeth width 13 mm, thicken. 0,63 mm	421016	300 mm	17 g
Blade double-sided 22/32 teeth width 25 mm, thicken. 0,8 mm	421920	300 mm	40 g

- With insulated wing bold for blade tension
- Insulation of soft, non-brittle plastic

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE

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### Insulated cable sheath saw

Description	Order No.	Length	Weight
Cable sheath saw (24 teeth, fine)	430302	250 mm	140 g
Saw-blade (14 teeth, coarse)	430801	120 mm	6 g
Saw-blade (24 teeth, fine)	430805	120 mm	6 g

- For steel strip armoured cable
- Adjustable stopper
- Replaceable saw-blade
- Coarse toothed saw-blade for soft materials
- Fine toothed saw-blade for sheet metal cutting, saw-blade no. 430805 - 24 teeth fine
- Insulation made of shock-proof material
- If desired, alternatively 14 saw blade teeth can be supplied

ATTENTION: NOT SUGGESTED FOR WORK UNDER VOLTAGE

## BATTERY POWERED CUTTING TOOLS

The new battery operated hydraulic cutting tools are now more ergonomic, faster and more reliable than ever.

Reliable

3 years warranty



Clever

Easier work, thanks to the variable approach speed for precise positioning of the cutting tool

Always keep your sight

Integrated LED for illuminating the working area in poor light conditions

















Powerful

18V 3Ah Lithium-Ion battery for even more cuts during one battery life

Ergonomic

Effortless working and ease handling due to equilibrate 2-component handle

## HYDRAULIC CUTTING TOOLS - OVERVIEW

	Cutting heads	Hand operated	Battery operated tools		Max. cutting diameter	Application range	
SERIES 25	 PS25	 HS25	 STILO-S25	 AS25	Ø 25 mm	<ul style="list-style-type: none"> <li>• Steel</li> <li>• ACSR</li> <li>• Aluminium</li> <li>• Copper</li> </ul>	PAGE 103-105
SERIES 26			 STILO-S26		Ø 26 mm	<ul style="list-style-type: none"> <li>• Steel</li> <li>• ACSR</li> <li>• Aluminium</li> <li>• Copper</li> </ul>	PAGE 106
SERIES 40			 STILO-S40		Ø 40 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> </ul>	PAGE 107
SERIES 45	 PS45	 HSI45		 AS45	Ø 45 mm	<ul style="list-style-type: none"> <li>• Steel</li> <li>• ACSR</li> <li>• Aluminium</li> <li>• Copper</li> </ul>	PAGE 108-109
SERIES 50	 PS50	 HSI50		 AS50	Ø 50 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Light armoured cables</li> </ul>	PAGE 110-111
SERIES 54			 STILO54		Ø 54 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> </ul>	PAGE 112
SERIES 65	 PS65			 AS65	Ø 65 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Light armoured cables</li> </ul>	PAGE 113-114
SERIES 85	 PS85	 HSI85		 AS85	Ø 85 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Light armoured cables</li> </ul>	PAGE 115-116
SERIES 95	 PS95			 AS95	Ø 95 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Light armoured cables</li> </ul>	PAGE 117-118
SERIES 120-2	 PS120-2			 AS120-2	Ø 120 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Light armoured cables</li> </ul>	PAGE 119-120
SERIES 120	 PS120 (SK160)				Ø 120 mm	<ul style="list-style-type: none"> <li>• Aluminium</li> <li>• Copper</li> <li>• Heavy armoured cables</li> </ul>	PAGE 121



## SERIES 25 - MAX. 25 MM CUTTING DIAMETER

### Main characteristics PS25 - HS25 - STILO25 - AS25

CUTTING DIAMETER	max. Ø 25 mm
SUGGESTED APPLICATION	Steel, ACSR, copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY WIRE ARMoured CABLES

### PS25 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 81 x 206 x 54 mm  
Tool weight: ..... 1,9 kg

Description	Order No.	Dimensions	Weight
Set cutting head PS25	PS25	140 x 230 x 60 mm	2,2 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

#### Set equipment:

- Hydraulic cutting head
- Soft nylon case for cutting head

### HS25 - Hand operated hydraulic cutting tool

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 360°
- Quick feed with double hydraulic cylinder
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 165 x 393 x 54 mm  
Tool weight: ..... 2,9 kg

Description	Order No.	Dimensions	Weight
Set cutting tool HS25	HS25	440 x 190 x 80 mm	4,0 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

#### Set equipment:

- Test report
- Manual hydraulic cutting tool
- Rigid plastic case





CE



GMPS25

SMPS25

Spare blades



Set STILO-S25

## STILO-S25 - Battery operated cutting tool

The STILO-S25 battery powered hydraulic cable cutter is suitable for cutting through hard steel up to a thickness of 25mm

### Technical characteristics:

- Right or left hand ergonomic non-slip cushioned grip
- Latch head design
- 360° tool head rotation
- Lightweight and compact design
- Extremely fast work due to triple axial piston pump
- DataTrack mini USB-port for connectivity
- Cutting curve and error message output
- No aborted cutting cycles due to ongoing monitoring of the remaining battery running time
- Multifunction LED indicator lights even to indicate the maintenance intervals
- LED battery charge indicator
- Heavy duty blades
- Soft start and quick stop increase the service life
- Manual return possible in any position
- Shutdown and automatic return after completion of a cutting cycle
- Automatic energy-saving mode after approx. 5 minutes

Tool dimensions: ..... 380 x 63 x 76 mm

Tool weight (with battery): ..... 3,7 kg

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S25	STILO-S25	450 x 500 x 140 mm	6,5 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

Accessories see page 209-212

### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



### AS25 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Latch head design
- 360° tool head rotation
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 359 x 75 mm  
 Tool weight (with battery): ..... 4,2 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS25	AS25	580 x 470 x 115 mm	7,6 kg
Fixed cutting blade	GMPS25	-	200 g
Movable cutting blade	SMPS25	-	40 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS25



GMPS25

SMPS25

Spare blades

### CUTTING RANGE TABLE PS25 - HS25 - STILO-S25 - AS25

Sector of use:	Tensile strength N/mm <sup>2</sup>	<Ø 9 mm	Ø 10 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm																																																																																																																																																																																																																									
		Copper	Rope and cable	<410																			Bar	<250																			Bar	<300																		Aluminium	Rope and cable	<200																			Bar	<160																			Bar	<340																		Aldrey	Cable	<340																		Alu/Steel	Rope	<1800																		Steel	Rope (>200 wires)	<180																		Bar	<420																		Bar	<600																		Rope	<2200															
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## SERIES 26 - MAX. 26 MM CUTTING DIAMETER

### Main characteristics STILO-S26

CUTTING DIAMETER max. Ø 26 mm

SUGGESTED APPLICATION Steel, ACSR, copper and aluminium

4



SM26



Set STILO-S26

### STILO-S26 - Battery operated cutting tool

The STILO-S26 battery powered hydraulic cable cutter is suitable for cutting through hard steel up to a thickness of 26 mm

#### Technical characteristics:

- Right or left hand ergonomic non-slip cushioned grip
- Open cutting head design
- 360° tool head rotation
- Lightweight and compact design
- Extremely fast work due to triple axial piston pump
- DataTrack mini USB-port for connectivity
- Cutting curve and error message output
- No aborted cutting cycles due to ongoing monitoring of the remaining battery running time
- Multifunction LED indicator lights even to indicate the maintenance intervals
- LED battery charge indicator
- Heavy duty blades
- Soft start and quick stop increase the service life
- Manual return possible in any position
- Shutdown and automatic return after completion of a cutting cycle
- Automatic energy-saving mode after approx. 5 minutes

Tool dimensions: ..... 457 x 126 x 82 mm  
 Tool weight (with battery): ..... 4,2 kg

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S26	STILO-S26	450 x 500 x 140 mm	6,9 kg
Cutting insert Steel	SM26	-	40 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA12)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case

### CUTTING RANGE TABLE STILO-S26

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 9 mm	Ø 10 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm
Copper	Rope and cable	<410																		
	Bar	<250																		
	Bar	<300																		
Aluminium	Rope and cable	<200																		
	Bar	<160																		
	Bar	<340																		
Aldrey	Cable	<340																		
Alu/Steel	Rope	<1800																		
Steel	Rope (>200 wires)	<180																		
	Bar	<420																		
	Bar	<600																		
	Rope	<2200																		

## SERIES 40 - MAX. 40 MM CUTTING DIAMETER

### Main characteristics STILO-S40

CUTTING DIAMETER	max. Ø 40 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	50 kN
OPERATING PRESSURE	550 bar (55 MPa)



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### STILO-S40 - Battery operated hydraulic cutting tool DN 40mm

The Stilo-S40 battery powered hydraulic cable cutter is suitable for cutting thin and multi-core aluminium and copper cables up to 40 mm in diameter.

#### Technical characteristics:

- Open cutting head with endless rotation
- Cutting blades in alloyed and hardened tool steel with special coating for wear reduction
- Light, compact and resistant design
- Extremely fast work due to triple axial piston pump
- Electronic control and monitoring of the cutting process
- Service-friendly blade change due to simplified innovative design
- Patented cutting detection: automatic opening of the cutting edges and engine shutdown after completed cutting process
- Manual head opening possible in any position
- Multifunction electronics with sleep mode, maintenance indicator and service control
- 3-color LED for display of service, battery and cycle messages
- Readout of all cycles and service data via USB
- Charge level display directly on the battery
- Integrated service management with software updates via USB
- Fast head opening due to patented return system

Tool dimensions: ..... 457 x 130 x 82 mm  
 Tool weight (with battery): ..... 3,1 kg

#### Application area:

- AL-single core .....max. 4 x 120mm<sup>2</sup>
- AL-multi core .....max. 4 x 120mm<sup>2</sup>
- CU-multi core .....max. 4 x 95mm<sup>2</sup>
- Fine stranded cables ..... Class 5

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S40	STILO-S40	450 x 500 x 140 mm	6,3 kg
Spare blades	SM40	-	500 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/1,5 Ah Li-Ion (RA20)
- Battery charger (LG8)
- USB-cable
- Software (CD)
- Rigid plastic case



Set STILO-S40

### CUTTING RANGE TABLE STILO-S40

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable		<410																				
Aluminium	Cable	<210																					

## SERIES 45 - MAX. 45 MM CUTTING DIAMETER

### Main characteristics PS45 - HSI45 - AS45

CUTTING DIAMETER	max. Ø 45 mm
SUGGESTED APPLICATION	Steel, ACSR, copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY WIRE ARMoured CABLES



### PS45 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 98 x 305 x 69 mm  
Tool weight: ..... 3,7 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS45	380 x 145 x 70 mm	3,0 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

#### Set equipment:

- Hydraulic cutting head
- Soft nylon case for cutting head



### HSI45 - Hand operated hydraulic cutting tool

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 184 x 601 x 69 mm  
Tool weight: ..... 5,7 kg

Description	Order No.	Dimensions	Weight
Set cutting tool	HSI45	700 x 260 x 105 mm	7,4 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

#### Set equipment:

- Test report
- Manual hydraulic cutting tool
- Plastic case

## SERIES 45 - MAX. 45 MM CUTTING DIAMETER



### AS45 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful led for working space illumination

Tool dimensions: ..... 331 x 434 x 75 mm

Tool weight (with battery): ..... 5,4 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS45	AS45	580 x 470 x 115 mm	8,8 kg
Fixed cutting blade	GMPS45	-	120 g
Movable cutting blade	SMPS45	-	100 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Spare blades



Set AS45

### CUTTING RANGE TABLE PS45 - HSI45 - AS45

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 28 mm	Ø 29 mm	Ø 30 mm	Ø 31 mm	Ø 32 mm	Ø 33 mm	Ø 34 mm	Ø 35 mm	Ø 36 mm	Ø 37 mm	Ø 38 mm	Ø 39 mm	Ø 40 mm	Ø 41 mm	Ø 42 mm	Ø 43 mm	Ø 44 mm	Ø 45 mm	Ø 46 mm	
Copper	Rope and cable	<410																				
Aluminium	Rope and cable	<200																				
	Bar	<340																				
Alu/Steel	Rope	<1800																				

Sector of use:		Tensile strength N/mm <sup>2</sup>	Ø 9 mm	Ø 11 mm	Ø 12 mm	Ø 13 mm	Ø 14 mm	Ø 15 mm	Ø 16 mm	Ø 17 mm	Ø 18 mm	Ø 19 mm	Ø 20 mm	Ø 21 mm	Ø 22 mm	Ø 23 mm	Ø 24 mm	Ø 25 mm	Ø 26 mm	Ø 27 mm	Ø 28 mm	
Copper	Bar	<250																				
	Bar	<300																				
Aluminium	Bar	<160																				
Aldrey	Cable	<340																				
	Rope (>200 wires)	<180																				
Steel	Bar	<420																				
	Bar	<600																				
	Rope	<2200																				

## SERIES 50 - MAX. 50 MM CUTTING DIAMETER

### Main characteristics PS50 - HSI50 - AS50

CUTTING DIAMETER	max. Ø 50 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)



### PS50 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 110 x 317 x 55 mm  
Tool weight: ..... 2,9 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS50	380 x 140 x 70 mm	3,0 kg
Fixed cutting blade	GMPS50	-	320 g
Movable cutting blade	SMPS50	-	150 g

#### Set equipment:

- Hydraulic cutting head
- Soft case for cutting head

#### NOTE:

By adding "F" to the end of the order code (e.g. PS50F), you will order the tool equipped with sharper blades, suitable for very "F"ine stranded cables



### HSI50 - Hand operated hydraulic cutting tool

#### Technical characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 195 x 612 x 58 mm  
Tool weight: ..... 5,1 kg

Description	Order No.	Dimensions	Weight
Set cutting tool	HSI50	700 x 260 x 105 mm	6,8 kg
Fixed cutting blade	GMPS50	-	320 g
Movable cutting blade	SMPS50	-	150 g

#### Set equipment:

- Test report
- Manual hydraulic cutting tool
- Plastic case

#### NOTE:

By adding "F" to the end of the order code (e.g. HSI50F), you will order the tool equipped with sharper blades, suitable for very "F"ine stranded cables





### AS50 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 445 x 75 mm  
 Tool weight (with battery): ..... 5,4 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS50	AS50	580 x 470 x 115 mm	8,8 kg
Fixed cutting blade	GMPS50	-	320 g
Movable cutting blade	SMPS50	-	150 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)

#### NOTE:

By adding "F" to the end of the order code (e.g. AS50F), you will order the tool equipped with sharper blades, suitable for very "F"ine stranded cables



Spare blades



Set AS50

### CUTTING RANGE TABLE PS50 - HSI50 - AS50

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable		<410																				
Aluminium	Cable	<210																					

## SERIES 54 - MAX. 54 MM CUTTING DIAMETER

### Main characteristics STILO-S54

CUTTING DIAMETER max. Ø 54 mm

SUGGESTED APPLICATION Copper and aluminium



Set STILO-S54

### STILO-S54 - Battery operated cutting tool

The STILO-S54 battery powered hydraulic cable cutter is suitable for cutting through thin and multi-core aluminium and copper cables up to a thickness of 54 mm

#### Technical characteristics:

- Open cutting head with endless rotation
- Cutting blades in alloyed and hardened tool steel with special coating for wear reduction
- Light, compact and resistant design
- Extremely fast work due to triple axial piston pump
- Electronic control and monitoring of the cutting process
- Service-friendly blade change due to simplified innovative design
- Patented cutting detection: automatic opening of the cutting edges and engine shutdown after completed cutting process
- Manual head opening possible in any position
- Multifunction electronics with sleep mode, maintenance indicator and service control
- 3-color LED for display of service, battery and cycle messages
- Readout of all cycles and service data via USB
- Charge status display directly on the battery
- Integrated service management with software updates via USB
- Fast head opening due to patented return system

- Tool dimensions: .....493 x 140 x 82 mm
- Tool weight (with battery): .....3,90 kg

#### Application area:

- CU/AL round multi core.....max. 1 x 240mm<sup>2</sup>
- AL-single core.....max. 4 x 150mm<sup>2</sup>
- AL-multi core.....max. 4 x 185mm<sup>2</sup>
- CU-multi core.....max. 4 x 120mm<sup>2</sup>
- Specially designed for power and underground cables

Description	Order No.	Dimensions	Weight
Set cutting tool STILO-S54	STILO-S54	450 x 500 x 140 mm	6,5 kg
Movable cutting blade	-	-	-

Accessories see page 209-212

#### Set equipment:

- Hydraulic cutting tool
- Sturdy transport case with deep-drawing insert
- RED-Li-Ion battery
- Battery charger
- Instruction manual
- Software
- USB cable

### CUTTING RANGE TABLE STILO-S54

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 54 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable		<410																			
Aluminium	Cable	<210																				

Main characteristics PS65 - AS65

CUTTING DIAMETER	max. Ø 65 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	44 kN
OPERATING PRESSURE	700 bar (70 MPa)

PS65 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:

- Light and compact structure
- Open cutting head with guide blade
- Easy handling through open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions ..... 146 x 372 x 88 mm  
 Tool weight: ..... 4,7 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS65	400 x 330 x 140 mm	6,3 kg
Movable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

Set equipment:

- Hydraulic cutting head
- Plastic case



Set PS65



Spare blade and blade guide





## AS65 - Battery operated hydraulic cutting tool

### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 502 x 88 mm  
 Tool weight (with battery): ..... 7,6 kg

Description	Order No.	Dimensions	Weight
Set cutting tool AS65	AS65	580 x 470 x 115 mm	11 kg
Movable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

Accessories see page 209-212

### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



Set AS65

SMI65



Spare blade and blade guide

MFI65

## CUTTING RANGE TABLE PS65 - AS65

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable		<410																				
Aluminium	Cable	<210																					

### Main characteristics PS85 - HSI85 - AS85

CUTTING DIAMETER	max. Ø 85 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	70 kN
OPERATING PRESSURE	700 bar (70 MPa)

### PS85 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical Characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 135 x 391 x 70 mm  
 Tool weight: ..... 4,5 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS85	465 x 370 x 110 mm	5,8 kg
Fixed cutting blade	GMPS85	-	600 g
Movable cutting blade	SMPS85	-	400 g

#### Set equipment:

- Hydraulic cutting head
- Plastic case



Set PS85

GMPS85

SMPS85

Spare blades

### HSI85 - Hand Operated Hydraulic Cutting Tool

#### Technical Characteristics:

- Light and compact structure
- Cutting head with snap closure and blade guide, rotates 270°
- Quick feed with double hydraulic cylinder
- Single hand use by innerside handle
- Automatic pressure safety valve
- Manual return in any position

Tool dimensions: ..... 203 x 697 x 64 mm  
 Tool weight: ..... 7,3 kg

Description	Order No.	Dimensions	Weight
Set Cutting Tool	HSI85	700 x 230 x 75mm	13,1 kg
Fixed Cutting Blade	GMPS85	-	600 g
Movable Cutting Blade	SMPS85	-	400 g

#### Set equipment:

- Test report
- Manual hydraulic cutting tool
- Plastic case



Set HSI85

GMPS85

SMPS85

Spare blades



### AS85 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure; rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 331 x 522 x 75 mm  
 Tool weight (with battery): ..... 7,2 kg



Set AS85

Description	Order No.	Dimensions	Weight
Set cutting tool AS85	AS85	580 x 470 x 115 mm	10,7 kg
Fixed cutting blade	SMPS85	-	600 g
Movable cutting blade	SMPS85	-	500 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)



GMPS85

SMPS85

Spare blades

### CUTTING RANGE TABLE PS85 - HSI85 - AS85

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable	<410																					
Aluminium	Cable	<210																					

### Main characteristics PS95 - AS95

CUTTING DIAMETER	max. Ø 95 mm
SUGGESTED APPLICATION	Copper and Aluminium

CUTTING FORCE	65 kN
OPERATING PRESSURE	700 bar (70 MPa)

### PS95 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical characteristics:

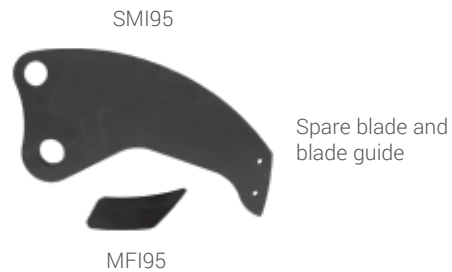
- Light and compact structure
- Open cutting head with guide blade
- Easy handling by open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 200 x 472 x 88 mm  
 Tool weight: ..... 7,5 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS95	610 x 400 x 140 mm	10,1 kg
Movable cutting blade	SMI95	-	900 g
Knife guiding plate	MFI95	-	80 g

#### Set equipment:

- Hydraulic cutting head
- Plastic case



Set PS95



### AS95 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 344 x 603 x 91 mm  
 Tool weight (with battery): ..... 9,8 kg



Set AS95

Description	Order No.	Dimensions	Weight
Set cutting tool AS95	AS95	725 x 480 x 170 mm	13,9 kg
Movable cutting blade	SMI95	-	900 g
Knife guiding plate	MFI95	-	80 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)

SMI95



Spare blade and blade guide

MFI95

### CUTTING RANGE TABLE PS95 - AS95

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable		<410																				
Aluminium	Cable	<210																					



Main characteristics PS120-2 - AS120-2

CUTTING DIAMETER	max. Ø 120 mm
SUGGESTED APPLICATION	Copper and aluminium

CUTTING FORCE	60 kN
OPERATING PRESSURE	700 bar (70 MPa)

PS120-2 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

Technical characteristics:

- Light and compact structure
- Open cutting head with guide blade
- Easy handling by open cutting head
- Quick male connector with automatic lock system and dust cap

Tool dimensions: ..... 239 x 508 x 88 mm  
 Tool weight: ..... 8,2 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120-2	610 x 400 x 140 mm	10,7 kg
Movable cutting blade	SMI120-2	-	1300 g
Knife guiding plate	MF1120-2	-	140 g

Set equipment:

- Hydraulic cutting head
- Plastic case



Set PS120-2

SMI120-2



Spare blade and blade guide

MF1120-2



### AS120-2 - Battery operated hydraulic cutting tool

#### Technical characteristics:

- 3 years of warranty or 20.000 work cycles
- Light and compact structure
- Cutting head with snap closure, rotates 360°
- High speed feed with double hydraulic cylinder
- Pressure release button with single handed operation (on both sides, for left and right handed operators)
- Fastening ring for shoulder strap
- Ergonomic grip for weight balance to ensure an easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Powerful LED for working space illumination

Tool dimensions: ..... 359 x 639 x 91 mm

Tool weight (with battery): ..... 10,5 kg



Set AS120-2

Description	Order No.	Dimensions	Weight
Set cutting tool AS120-2	AS120-2	725 x 480 x 170mm	14,6 kg
Movable cutting blade	SMI120-2	-	1300 g
Knife guiding plate	MFI120-2	-	140 g

Accessories see page 209-212

#### Set equipment:

- Test report
- Battery-operated hydraulic cutting tool
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Rigid plastic case
- Shoulder strap (TG2)

SMI120-2



Spare blade and blade guide

MFI120-2

### CUTTING RANGE TABLE PS120-2 - AS120-2

Sector of use:		Tensile strength N/mm <sup>2</sup>	<math>\varnothing</math> 30 mm	<math>\varnothing</math> 35 mm	<math>\varnothing</math> 40 mm	<math>\varnothing</math> 45 mm	<math>\varnothing</math> 50 mm	<math>\varnothing</math> 55 mm	<math>\varnothing</math> 60 mm	<math>\varnothing</math> 65 mm	<math>\varnothing</math> 70 mm	<math>\varnothing</math> 75 mm	<math>\varnothing</math> 80 mm	<math>\varnothing</math> 85 mm	<math>\varnothing</math> 90 mm	<math>\varnothing</math> 95 mm	<math>\varnothing</math> 100 mm	<math>\varnothing</math> 105 mm	<math>\varnothing</math> 110 mm	<math>\varnothing</math> 115 mm	<math>\varnothing</math> 120 mm	<math>\varnothing</math> 125 mm
Copper	Cable		<math><410</math>																			
Aluminium	Cable	<math><210</math>																				

## SERIES 120 - MAX. 120 MM CUTTING DIAMETER

### Main characteristics PS120 - PS120-SK160

CUTTING DIAMETER	max. Ø 120 mm
SUGGESTED APPLICATION	Copper, aluminium, armoured cables

CUTTING FORCE	100 kN (PS120)/135 kN (PS120-SK160)
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT HEAVY DUTY STEEL WIRE ARMoured CABLES



### PS120 - Hydraulic cutting head

The unit must be operated through max. 700 bar hydraulic pump (suggested operating pressure 700 bar/70 MPa) (pages 201-208).

#### Technical characteristics:

- Light and compact structure
- Blades made of high strength treated steel
- Quick male connector with automatic lock system and non detachable dust cap
- Head can be opened for easy cable insertion

Tool dimensions: ..... 174 x 491 x 89 mm  
Tool weight: ..... 9,6 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120	610 x 400 x 140 mm	14,8 kg
Fixed cutting blade	GMPS120TNB	-	1240 g
Movable cutting blade	SMPS120TNB	-	940 g

#### Set equipment:

- Hydraulic cutting head
- Metal case



### PS120-SK160 - Hydraulic cutting head (for wire armoured aluminium and copper cables)

The unit is suggested to 700 bar hydraulic pump (max operating pressure 850 bar/85 MPa) (pages 201-208).

#### Technical characteristics:

- Light and compact structure
- The blades are made of high strength treated tool steel
- Head can be opened for easy cutting
- Cutting force 135 kN (700 bar) resp. 160 kN (850 bar)

Tool dimensions: ..... 174 x 491 x 89 mm  
Tool weight: ..... 11 kg

Description	Order No.	Dimensions	Weight
Cutting head with case	PS120-SK160	600 x 220 x 90 mm	16 kg
Fixed cutting blade	GMPS120	-	2,55 kg
Movable cutting blade	SMPS120	-	940 g

#### Set equipment:

- Hydraulic cutting head
- Metal case

### CUTTING RANGE TABLE PS120 - SK160

Sector of use:		Tensile strength N/mm <sup>2</sup>	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm	Ø 60 mm	Ø 65 mm	Ø 70 mm	Ø 75 mm	Ø 80 mm	Ø 85 mm	Ø 90 mm	Ø 95 mm	Ø 100 mm	Ø 105 mm	Ø 110 mm	Ø 115 mm	Ø 120 mm	Ø 125 mm	
Copper	Cable		<410																				
Aluminium	Cable	<210																					
Armoured	Cable	<200																					

### Electric Arc in a Test Shortcircuit

**Photo:**

The photographs below show the development of an electric arc during an experimental short circuit, and show clearly the danger that may threaten operators in the case of work done under tension. Personal injury can be avoided only by using insulated cable cutters.



Photo 1: 200 ms



Photo 2: 800 ms



Photo 3: 1.200 ms



Photo 4: 1.600 ms

### Insulated Cable Shears

**Description of the insulated cable shears:**

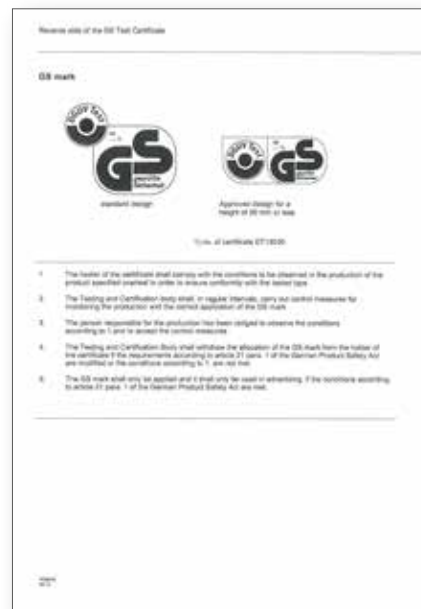
The insulated cable cutter is a device for safe cable cutting when the cable may be live and the absence of tension cannot be checked with complete safety. Such a check is particularly difficult in metallic screened cables. Therefore, before proceeding with any cutting operations, it is essential to take adequate measures to guarantee the operator's safety. One such measure is the use of an insulated cable cutter. This device – conforming to DIN EN 50340 (VDE 0682 part 661) – is made up essentially of a hydraulic pump and a cutting head to which a high pressure non-metallic hose of length 10.5 m is connected by a steady fitting.

**Field of application:**

According to § 6.2 of the safety regulations “Electric Systems and Materials” (BGV A 2, ex VGB 4) and § 6.2 of EN 50 110 standard (VDE 0105 part 100), before carrying out any work on grounding systems for voltages up to 60kV the absence of tension must be guaranteed for the entire duration of the operations. As it is not always possible to make sure there is no tension at the point where we must operate, especially for ground cables, it is essential to avoid the problem by cutting the cable with a special insulated cable cutter and at the same time carrying out a check at the point of interruption, e.g. by checking at the main switchboard.

**Equipotential connection - Grounding:**

For insulated cable cutters the DIN EN 50340 standard requires grounding the cutter head and establishing an equipotential connection between the pump and the ground. These regulations must however be implemented while respecting directives currently applicable in single countries. According to the “BGI 845-ZH1 / 437” directives, for instance, in Germany the cutting head cannot be individually grounded because the networks themselves are already grounded. There must be however an equipotential connection between the pump and the ground.



# BATTERY OPERATED SAFETY CUTTING UNIT

## with remote control

Highest safety level and easy handling even in rough working conditions. Guaranteed safe Cutting of copper and aluminium cables up to a max. diameter of 120mm and 60kV nominal voltage (Single core cables up to 110kV/60Hz)

4

### Light and Robust

Through the inset of resistant materials

### Compact

Fibreglass plastic case -  
4,5 kg - 290 x 190 x 205 mm



### Remote control

For a ordinary handling

### Powerful

Increased batterypower through a  
18V-Lithium-Ionen battery 3Ah



Tested for safety

⚠️ 60.000V

## SAFETY CUTTING UNIT



4

### SSA - Safety cutting unit with hydraulic pump and accumulator

Ideal for safe cutting of copper and aluminium cables up to the maximum allowable diameter for the head being used (see table below)

#### Technical characteristics:

- Very light, compact and robust structure of the pump and cutting heads, through the inset from fibreglass plastic and corrosion resistant materials
- Double piston technology for rapid high pressure feed
- Remote control
- Multifunktion LED to maintenance and battery state control
- Rotary quick coupling with dust cap
- Protection IP43

Operating pressure: ..... 625 bar (62.5 MPa)  
 Low pressure (< 100 bar) Pump capacity: ..... 1,5 l / min  
 High pressure (up to 700 bar) Pump capacity: ..... 0,1 l / min  
 Tank capacity: ..... 1200 ml  
 Operating temperature: ..... -20°C to +40°C

	SSA85-CP	SSA95-CP	SSA120S-CP	SSA120-2-CP
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Accumulator voltage	18 V	18 V	18 V	18 V
Tool weight	12,2 kg	14,8 kg	17,2 kg	15,6 kg
Dimensions pump	354 x 187 x 204 mm	354 x 187 x 204 mm	354 x 187 x 204 mm	354 x 187 x 204 mm
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 mm / 22 kg	800 x 450 x 360 mm / 24,6 kg	800 x 450 x 360 mm / 27 kg	800 x 450 x 360 mm / 25,4 kg



GROUNDING DEVICE:  
to be ordered separately



SSA-ERD3

#### Set equipment

- Pump CP625-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5 m
- Remote control with 1,5 m cable
- Transporting bag for CP625SSA
- Battery 18 V/3,0 Ah Li-Ion (RA11)
- Battery charger (LG8)
- Shoulder strap (TG3)
- USB-cable
- Plastic case with integral handle and wheels for easy transport of the entire equipment

Description	Order No.	Dimensions	Weight
Set: Grounding SSA120-CP, SSA85-CP	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding SSA95-CP, SSA120-2-CP	SSA-ERD4	length 1100 mm	5,8 kg

#### Set equipment SSA-ERD:

- Earthing rod 1,1m
- Insulated earthing cable 6 m

### SSA - Safety cutting unit

Ideal for safe cutting of copper and aluminium cables up to the maximum allowable diameter for the head being used (see table below)

#### Technical characteristics:

- Light and compact structure
- Reduced weight due to the use of light alloys and corrosion resistant materials
- Easy use and high stability due to the ergonomic pedal and the non-slip base
- Fast feeds by means of a double hydraulic cylinder
- Pressure control by pressure gauge
- Manual return in any position
- Rotary quick coupling with dust cap

Operating pressure: ..... 625 bar (62.5 MPa)  
 Low pressure pump capacity: ..... 18,3 cm<sup>3</sup> / stroke  
 High pressure pump capacity: ..... 2 cm<sup>3</sup> / stroke  
 Tank capacity: ..... 1200 ml  
 Operating temperature: ..... -20°C to +40°C



60.000V

SSA95

4

	SSA85	SSA95	SSA120	SSA120-2
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Tool weight	15,4 kg	17,4 kg	20,4 kg	18,7 kg
Dimensions pump	570 x 230 x 209 mm	570 x 230 x 209 mm	570 x 230 x 209 mm	570 x 230 x 209 mm
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 / 24 kg	800 x 450 x 360 / 26 kg	800 x 450 x 360 / 29,4 kg	800 x 450 x 360 / 27 kg



Set SSA

#### Set equipment

- Foot operated pump - FPI 63-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5m
- Plastic case with integral handle and wheels for easy transport of the entire equipment (metal case available on request)

Description	Order No.	Dimensions	Weight
Set: Grounding SSA120, SSA85	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding SSA95, SSA120-2	SSA-ERD4	length 1100 mm	5,8 kg

#### Set equipment SSA-ERD:

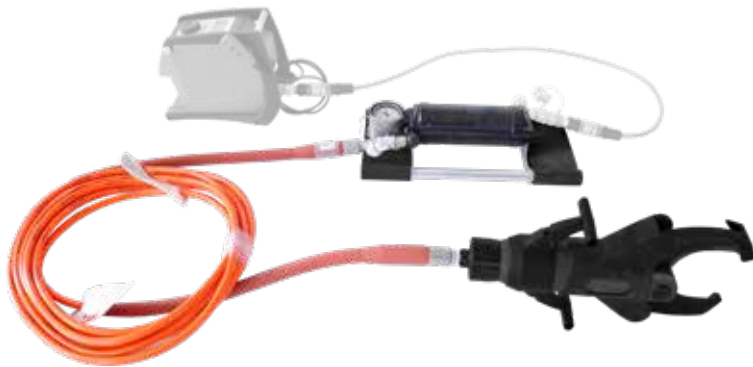
- Earthing rod 1,1m
- Insulated earthing cable 6 m

GROUNDING DEVICE:  
to be ordered separately



SSA-ERD3

## SAFETY CUTTING UNIT



 60.000V

### Adapter for insulated hydraulic cutting units proofed and certified according to GS-ET-23

Suitable for creating an insulated hydraulic cutting unit with the hydraulic battery pump CP700 / CP700EC. The adapter reduces the pressure of the hydraulic battery pump CP700 from 700 bar to the cutting heads of the insulated hydraulic cutting unit to 625 bar. It also ensures that between the safety cutting head and the hydraulic pump CP700 the oil doesn't mix and thus no "conductive contamination" gets into the insulating hose.

#### Technical characteristics:

- Functional parts made of high-quality steel with burnished surface
- Base made of stainless steel with aluminium tubes and high quality plastic plates for increased stability
- Pressure reduction from 700 bar to 625 bar
- Avoidance of oil mixing of the hydraulic unit to the cutting heads
- Position control and oil loss indicator
- Pressure gauge for pressure indication and control of the cutting process
- Connection for equipotential bonding

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	AD-SSA85	AD-SSA95	AD-SSA120S	AD-SSA120-2
				
Cutting range	Ø 85 mm	Ø 95 mm	Ø 120 mm	Ø 120 mm
Cutting force	63 kN	58 kN	90 kN	54 kN
Working pressure	625 bar	625 bar	625 bar	625 bar
Headtype	close	open with blade guide	close	open with blade guide
Dimensions head	345 x 135 x 65 mm	426 x 200 x 88 mm	491 x 190 x 80 mm	461 x 239 x 88 mm
Set with case	800 x 450 x 360 / 24 kg	800 x 450 x 360 / 27 kg	800 x 450 x 360 / 29,5 kg	800 x 450 x 360 / 28 kg



Set SSA

#### Set equipment

- Foot operated pump - FPI 63-SSA
- Equipotential earthing rod with connection cable
- Hydraulic cutting head with flexible high pressure hose length 10,5m
- Plastic case with integral handle and wheels for easy transport of the entire equipment (metal case available on request)

Description	Order No.	Dimensions	Weight
Set: Grounding AD-SSA85, AD-SSA120S	SSA-ERD1	length 1100 mm	4,6 kg
Set: Grounding AD-SSA95, AD-SSA120-2	SSA-ERD4	length 1100 mm	5,8 kg

#### Set equipment SSA-ERD:

- Earthing rod 1,1m
- Insulated earthing cable 6 m

GROUNDING DEVICE:  
to be ordered separately



SSA-ERD3