

BATTERY OPERATED HYDRAULIC CUTTING TOOLS



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HYDRAULIC CUTTING TOOLS - OVERVIEW

	Heads	Hand Operated	Battery Operated	Cutting max.	Application	
SERIES 25	P525	H525	AS125	Ø 25 mm	• Steel • ACSR • Aluminium • Copper	PAGES 14 - 15
SERIES 45	PS45	HSI45	AS145	Ø 45 mm	• Steel • ACSR • Aluminium • Copper	PAGES 16 - 17
SERIES 50	PS50	HSI50	ASI50	Ø 50 mm	• Aluminium • Copper	PAGES 18 - 19
SERIES 65	PS65		ASI65	Ø 65 mm	• Aluminium • Copper	PAGES 20 - 21
SERIES 85	P585	HS185	AS185	Ø 85 mm	• Aluminium • Copper	PAGES 22 - 23
SERIES 95	PS95		AS195	Ø 95 mm	• Aluminium • Copper	PAGES 24 - 25
SERIES 120-2	P5120-2		ASI120-2	Ø 120 mm	• Aluminium • Copper	PAGES 26 - 27
SERIES 120	P5120			Ø 120 mm	• Aluminium • Copper • Armoured cables	PAGES 28

Safety Cutting Unit



SSA SERIES







SSA95 Ø 95 mm



SSA120-2 Ø 120 mm



SSA120 Ø 120 mm

Models

CE

SERIES 25 - max. 25 mm cutting diameter

MAIN CHARACTERISTICS PS25 - HS25 - ASI25

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



Spare blades

PS25 - Hydraulic Cutting Head

The unit must be operated through max. 700 bar hydraulic pump (Suggested operating pressure 700 bar/70 MPa). (pages 77 - 84)

Technical Characteristics:

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

Tool dimensions:	. 77 x 220 x 64 mm
Tool weight:	2,1 kg

Description	Order No.	Dimensions	Weight
Set Cutting tool PS25	PS25	140 x 230 x 60 mm	2,2 kg
Fixed cutting blade	GMI25	-	40 g
Moveable cutting blade	SMI25	-	60 g

Set Equipment:

- Hydraulic Cutting Head
- Soft 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
Moveable cutting blade	SMPS25	-	40 g

- Test report
- Manual hydraulic cutting tool
- Plastic case



ASI25 - Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- \bullet 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool ASI25	ASI25	610 x 400 x 140 mm	7,1 kg
Fixed cutting blade	GMI25	-	40 g
Moveable cutting blade	SMI25	-	60 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Plastic case
- Shoulder strap TG2



GMI25

SMI25

Spare blades

Set ASI25

CUTTING RANGE TABLE PS25 - HS25 - ASI25

Sector of use:		Tensile strength N/mm²	mm 6 Ø>	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
	Rope and cable	<410																		
Copper	Bar	<250																		
	Bar	<300															22 23 24 25			
	Rope and cable	<200																		
Aluminium	Bar	<160																		
	Bar	<340																		
Aldrey	Cable	<340																		
Alu/Steel	Rope	<1800																		
	Rope (>200 wires)	<180																		
Steel	Bar	<420																		
Steel	Bar	<600																		
	Rope	<2200																		

SERIES 45 - max. 45 mm cutting diameter

MAIN CHARACTERISTICS PS45 - HS45 - ASI45

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 77 - 84)

Technical Characteristics:

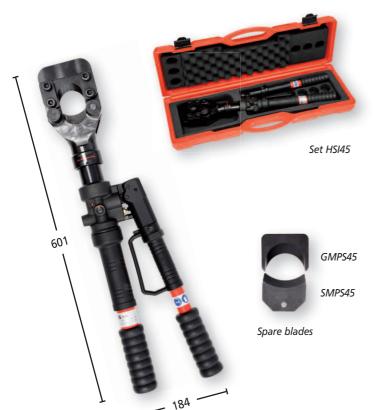
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connection with automatic lock system and dust cap

Tool dimensions	100 x 313 x 64 mm
Tool weight:	2,9 kg

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS45	380 x 145 x 70 mm	3,0 kg
Spare blade	SMI45	-	130 g

Set Equipment:

- Hydraulic Cutting Head
- Soft 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:	18	34 x	601	x 69 r	nm
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
Moveable cutting blade	SMPS45	-	100 g

- Test report
- Manual hydraulic cutting tool
- Plastic case





ASI45 – Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- \bullet 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI45	610 x 400 x 140 mm	8,1kg
Spare blade	SMI45	-	130 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Plastic case
- Shoulder strap TG2



SMI45

SMI45

Spare blades

CUTTING RANGE TABLE PS45 - HS45 - ASI45

Sector of u	se:	Tensile strength N/mm²	<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																			
Aluminium	Bar	<340																			
Alu/Steel	Rope	<1800																			
Sector of u	se:	Tensile strength N/mm²	0 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																			
Соррег	Bar	<300																			
Aluminium	Bar	<160																			Į
Aldrey	Cable	<340																			
	Rope (>200 wires)	<180																			
Steel	Bar	<420																			
Steel	Bar	<600																			
	Rope	<2200																			

SERIES 50 - max. 50 mm cutting diameter

MAIN CHARACTERISTICS PS50 - HSI50 - ASI50

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 77 - 84)

Technical Characteristics:

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

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS50	380x140x70mm	3,0 kg
Spare blade	SMI50	-	100 g

Set Equipment:

- Hydraulic Cutting Head
- Soft case for Cutting Head



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

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

- Test report
- Manual hydraulic cutting tool
- Plastic case





ASI50 – Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- \bullet 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI50	610 x 400 x 140mm	8,1 kg
Spare blade	SMI50	-	100 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Plastic case
- Shoulder strap TG2



SMI50

SMI50

Spare blades

CUTTING RANGE TABLE PS50 - HSI50 - ASI50

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	40	45	20	22	09	Ø 65 mm	70	75	80	85	90	95		10	_	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																		
Aluminium	Cable	<210																		

SERIES 65 - max. 65 mm cutting diameter

MAIN CHARACTERISTICS PS65 - ASI65

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 77 - 84)

Technical Characteristics:

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

Tool dimensions	154 x 369 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
Moveable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

- Hydraulic Cutting Head
- Plastic case



Spare blade and blade guide





ASI65 - Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- Open cutting head with guide blade rotates 360°
- Easy handling through open cutting head
- 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI65	610 x 400 x 140 mm	8,5 kg
Moveable cutting blade	SMI65	-	450 g
Knife guiding plate	MFI65	-	70 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-lon battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Plastic case
- Shoulder strap TG2



Spare blade and blade guide

CUTTING RANGE TABLE PS65 - ASI65

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	_	45	20	22	09	65	Ø 70 mm	75	80	85	90	95	Ø 100 mm	Ø 105 mm	_	Ø 115 mm	Ø 120 mm	Ø 125 mm
Copper	Cable	<410																			
Aluminium	Cable	<210																			

SERIES 85 - max. 85 mm cutting diameter

MAIN CHARACTERISTICS PS85 - HS185 - AS185

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 77 - 84)

Technical Characteristics:

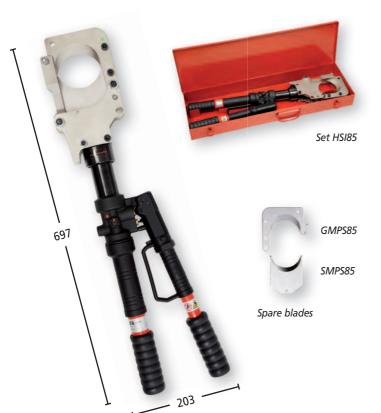
- Light and compact structure
- Cutting head with snap closure and blade guide
- Quick male connection with automatic lock system and dust cap

Tool dimensions:	135 x 390 x 64 mm
Tool weight:	4,0 kg

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS85	465 x 370 x 110 mm	5,3 kg
Fixed cutting blade	GMI85	-	150 g
Moveable cutting blade	SMI85	-	250 g

Set Equipment:

- Hydraulic Cutting Head
- Plastic case



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
Moveable cutting blade	SMPS85	-	400 g

- Test report
- Manual hydraulic cutting tool
- Steel case





ASI85 - Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- \bullet 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI85	610 x 400 x 140 mm	9,3 kg
Fixed cutting blade	GMI85	-	150 g
Moveable cutting blade	SMI85	-	250 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Plastic case
- Shoulder strap TG2



Spare blades

CUTTING RANGE TABLE PS85 - HS85 - ASI85

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	_	45	20	25	09	65	70	75	80	85	90	95	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 95 - max. 95 mm cutting diameter

MAIN CHARACTERISTICS PS95 - ASI95

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 77 - 84)

Technical Characteristics:

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

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS95	610 x 400 x 140 mm	9,4 kg
Moveable cutting blade	SMI95	-	900 g
Knife guiding plate	MFI95	-	80 g

- Hydraulic Cutting Head
- Plastic case



Spare blade and blade guide





ASI95 – Battery Operated Hydraulic Cutting Tool

Technical Characteristics:

- Light and compact structure
- Open cutting head with guide blade rotates 360°
- Easy handling by open cutting head
- 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI95	690 x 405 x 130 mm	11,7 kg
Moveable cutting blade	SMI95	-	900 g
Knife guiding plate	MFI95	-	80 g

Accessories see page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- bag
- Shoulder strap TG2



Spare blade and blade guide

CUTTING RANGE TABLE PS95 - ASI95

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	45	20	55	09	65	70	75	80	85	90	95	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 120-2 - max. 120 mm cutting diameter

MAIN CHARACTERISTICS PS120-2 - ASI120-2

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 77 - 84)

Technical Characteristics:

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

Tool dimensions:	237 x 503 x 88 mm
Tool weight:	7,5 kg

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS120-2	610 x 400 x 140mm	10,0 kg
Moveable cutting blade	SMI120-2	-	1300 g
Knife guiding plate	MFI120-2	-	140 g

- Hydraulic Cutting Head
- Plastic case



Spare blade and blade guide







ASI120-2 - Battery Operated Hydraulic Cutting Tool

Designed to cut aluminum and copper cables up to a diameter of 120 mm.

Technical Characteristics:

- Light and compact structure
- Open cutting head with guide blade rotates 360°
- Easy handling through open cutting head
- 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 and easy and safe operation
- Plastic housing, grip and pressure release button, insulating and shock resistant
- Intelligent electronic tool

Description	Order No.	Dimensions	Weight
Set Cutting tool	ASI120-2	690 x 405 x 130 mm	12,1 kg
Moveable cutting blade	SMI120-2	-	1300 g
Knife guiding plate	MFI120-2	-	140 g

Accessories see Page 29

Set Equipment:

- Test report
- Battery-operated hydraulic cutting tool
- 14.4V/2,6Ah Li-Ion battery RA9
- Battery charger LG7
- Handy grip for safe transport
- Site proof bag
- Shoulder strap TG2



Spare blade and blade guide

CUTTING RANGE TABLE PS120-2 - ASI120-2

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	09	9	70	75	Ø 80 mm	85	90	95	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 120 - max. 120 mm cutting diameter

MAIN CHARACTERISTICS PS120

CUTTING DIAMETER	max. ø 120 mm
SUGGESTED APPLICATION	Copper, Aluminium, Armoured Cables

CUTTING FORCE	137 kN
OPERATING PRESSURE	700 bar (70 MPa)

✓ SUITABLE TO CUT MOST OF 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 77 - 84)

Technical Characteristics:

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

Tool dimensions:	218 x 536 x 80 mm
Tool weight:	8,1 kg

Description	Order No.	Dimensions	Weight
Cutting Head with case	PS120	610 x 400 x 140 mm	10,6 kg
Fixed cutting blade	GMI120	-	300 g
Moveable cutting blade	SMI120	-	520 g

Set Equipment:

- Hydraulic Cutting Head
- Plastic case



Spare blades

CUTTING RANGE TABLE PS95 - ASI95

Sector of use:		Tensile strength N/mm²	<Ø 30 mm	Ø 35 mm	9	45	20	55	MM 09 Ø	65	20	75	8	82	8	95	Ø 105 mm		Ø 120 mm	125
Copper	Cable	<410																		
Aluminium	Cable	<210																		
Armoured	Cable	<200																		

ACCESSORIES



Strap

	Description	Order No.	Weight
	Shoulder-Strap (for hydraulic battery operated tools)	TG2	90 g



Adapter

	Description	Order No.	Weight
	Adapter for mains operation 230V AC/ 115V A	NG2	800 g



Storage Batteries

Description	Order No.	Weight
Storage Battery 12 V / 2.6 Ah Ni-MH	RA4	700 g
Storage Battery 12 V / 3.0 Ah Ni-MH	RA5	700 g
Storage Battery 14,4 V / 2.6 Ah Ni-MH	RA6	850 g
Storage Battery 14,4 V / 3.0 Ah Ni-MH	RA7	850 g
Storage Battery 14,4 V / 2.6 Ah Li-Ion	RA9	560 g
Storage Battery 14,4 V / 3.0 Ah Li-lon	RA10	560 g





Battery Charger

Description	Order No.	Weight
Fast Battery Charger	LG7	540 g
Battery Charger (12 V source)	LGZ2	580 g

	Tension						Battery						
Battery charger	4,8 V	7,2 V	9,6 V	12,0 V	14,4 V	18 V	RA 4	a a	RA 6	RA 7	RA 9	RA 10	RA 12
LG7	-	•	•	•	•	-	V	V	V	~	V	V	-
LGZ2	•	•	•	•	•	-	V	V	V	V	V	V	-

SAFETY CUTTING UNIT

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.

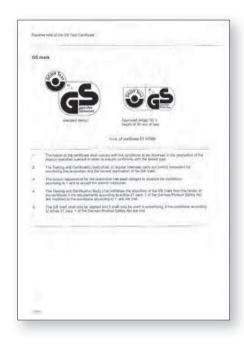
Field of application:

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.





SAFETY CUTTING UNIT







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:	625bar (62.5MPa)
Low pressure-Pump capacity:	
High pressure-Pump capacity:	2cm³ / Hub
Tank capacity:	1200ml
Operating Temerature:	

' '	20°C bis +40°C

Description	Order No.	Dimensions	Weight
Set: SSA 85	SSA85	800 x 450 x 360 mm	24 kg
Set: SSA 95	SSA95	800 x 450 x 360 mm	27 kg
Set: SSA 120	SSA120	800 x 450 x 360 mm	28 kg
Set: SSA 120-2	SSA120-2	800 x 450 x 360 mm	28 kg
Set: Grounding SSA85 / SSA120	SSA-ERD3	length 1100 mm	4,6 kg
Set: Grounding SSA95 / SSA120-2	SSA-ERD4	length 1100 mm	5,8 kg

Set Equipment SSA85, SSA95, SSA120, SSA120-2:

- Foot operated pump FPI 63-SSA
- Equipotential connection
- Hydraulic cutting head (85, 95 or 120mm) 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)

Set Equipment SSA-ERD3 and SSA-ERD4:

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

	SSA85 with cutting head PS85	SSA95 with cutting head PS95	PS120-2 with cutting head PS120-2	PS120 with cutting head
cutting diameter	85 mm	95 mm	120 mm	120 mm
operating pressure	625 bar (62,5 MPa)	625 bar (62,5 MPa)	625 bar (62,5 MPa)	625 bar (62,5 MPa)
cutting force	64 kN	58 kN	54 kN	123 kN
flexible High pressure hose	length 10,5 m	length10,5 m	length 10,5 m	length 10,5 m
Drive Component	Foot operated pump FPI63	Foot operated pump FPI63	Foot operated pump FPI63	Foot operated pump FPI63
Transport Case	Rigid Box	Rigid Box	Rigid Box	Rigid Box