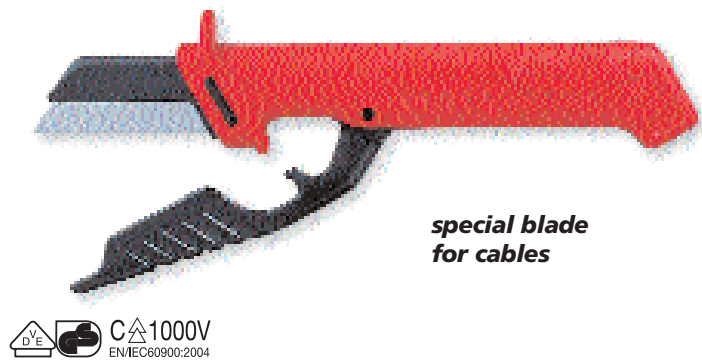


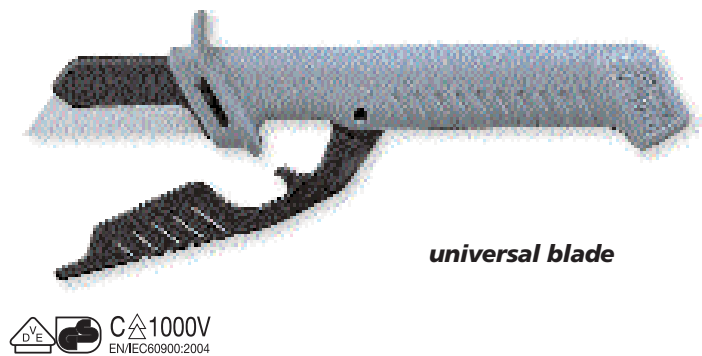




Cable knife with clappable blade protection

- with solid blade and insulated blade-back
- **for stripping cables**
- made of shock-proofed material

Description	model	length	blade
• Cable knife	AV3900	185mm	fixed 50mm
• Cable knife	AV3920	185mm	interch. 50mm
• Interchang. blade	AV3921	50mm	–



Universal knife with clappable blade protection

- with standard blade (thickness 0,65mm)
- made of shock-proofed material

Description	model	length	blade
• Universal knife	AV3910	185mm	interch. 50mm
• Interchang. blade	AV3911	50mm	–



Cable knife with ceramic blade

- **full insulated**
- for stripping cables
- with clappable blade protection
- high cutting capacity

Description	model	dimensions	blade
• Cable knife	AV3930	185mm	interch. 46mm
• Interchang. blade	AV3931	46mm	–

Electricians' scissors with built-in electric-field led warning

The clever scissor warning electrician about the presence of electric fields before cutting cables!

- the permanent built-in led warning light is designed to warn user, during his whole work and before he cuts, about dangerous presence of voltage
- the presence of voltage is indicated by a well visible red led
- working temperature -10/+50°C, rel humidity 20/90 %
- working range 50 - 1.000V /AC
- the voltage presence is detected at distance by the blade without need of contact with alive parts
- it is not necessary that parts are crossed by current, the voltage presence is enough to get the led warning
- 2 coins cell interchangeable batteries type LR41 / AG3 / 392 1,5 V
- **ATTENTION: the integrated electronic does not work on shielded cables**

Description	model	length	blade shape
• Electricians' scissors	1601 5	140mm	straight





Electricians' scissors

- with wire cutter / surface treatment: nickel-plated
- handles made of shock-proofed material

Description	model	length	blade shape
• Electricians' scissors	AV6701	140mm	straight
• Electricians' scissors	AV6702	140mm	bent



Special electricians' scissors

- comfortable gripping / high cutting performance
- loose-free screw/pin fixing

Description	model	length	blade shape
• Special scissors	1601 1	140mm	straight



Special electricians' scissors 2K

- two-component handles
- impact-absorbing inserts
- ergonomic, light and extra durably
- high cutting performance, optimized teeth
- loose-free screw/pin fixing

Description	model	length	blade shape
• Special scissors 2K	1601 2	140mm	straight



Safety Box

- protective, impact-resistant, resin case
- with turning Safety clip
- suitable for all intercable scissors models

Description	model	length	weight
• Safety Box empty	1601 9N	12x7mm	approx. 30g
• 1601 5 with S. Box	1601 6	–	–
• 1601 2 with S. Box	1601 4	–	–
• 1601 1 with S. Box	1601 3	–	–



 C Δ 1000V
EN/IEC60900:2004

Insulated scissors

- surface treatment: burnish protection
- handles of shock-proofed plastic

Description	model	length	weight
• Insulated scissors	1603 1	180mm	100g



 C Δ 1000V
EN/IEC60900:2004

Cable cutter D17

- only for copper and aluminium cables
- extremely high cutting capacity for the smallest dimensions
- with adjustable screwing joint
- special steel with chrome finish

Description	model	length	weight
• Cable cutter D17	1602 160	160mm	218g



 C Δ 1000V
EN/IEC60900:2004

Cable cutter D22

- only for copper and aluminium cables
- extremely high cutting capacity for the smallest dimensions
- with adjustable screwing joint
- special steel with chrome finish
- 2 cutting areas

Description	model	length	weight
• Cable cutter D22	1602 200	200mm	345g



 C Δ 1000V
EN/IEC60900:2004

Insulated ratchet cable cutter D32/D54

- designed to cut copper and aluminum cables
- high-level cutting capacity
- minimum strength necessary to cut
- progressive cutting feed mechanism
- 360° rotating mobile cutting edge that can be released in any position
- compact dimensions and form-fitting shockproof resin handles
- cutting edge shaped to ensure clean cuts on the conductors
- tool suited to work down to very low -40°C operating temperatures

Description	model	length/weight	for cables Ømm / mm²
• Cable cutter D32	1605 032	265mm / 650g	32 / 240
• Cable cutter D54 short	1607 054	285mm / 800g	54 / 480
• Cable cutter D54 long	1605 054	320mm / 900g	54 / 480

Conduit cutter

This universal conduit cutter is ideal for precision cutting of skirting, wall, and cable conduits as well as equipment holders made of resin, as well as resin sheets and pipes, flat cables and rubber and wood shaped sections (not metal).



Straight insert: (in resin) for all cutting jobs on flat materials such as (various kinds of) conduits, sheeting, belts, and flat and shaped cables



Angled insert 45 – 120°: (in resin) with 45° guide and markings with reference lines for 45°, 60°, 75°, 90°, 105° and 120° for oblique and angled cuts.



90° shaped insert: (in aluminium) for cutting small conduits up to 25 mm x 45 mm and for pipes and hoses, even with thick walls, up to 25 mm diameter.



Insert for 16-19-25 mm pipes: (in aluminium), with 3 semi-circular guides for cutting 16 mm (5/8") Ø, 19 mm (3/4") Ø, and 25 mm (1") Ø pipes and hoses.

Technical Characteristics:

- the particular way the blade is sharpened and the geometry of the cutter itself guarantees a precise cut, free of burrs.
- the new Intercable inserts, in impact-resistant resin, ensure a high cutting capacity with very little effort.
- the new system for fixing the changeable inserts does not require any additional tools and guarantees quick replacement. To change resin inserts, simply slacken the locking screw.
- cutting length: max 57 mm
- cutting blade made of special tempered steel (hardness 52HRC)
- cutter opening by built-in spring (locked in position by a lever).



Description	model	dimensions	weight
• Set-conduit cutter: - straight insert - angled insert 45-120° - 90° shaped insert - insert for 16-19-25 mm pipes	1626 0	240x220x80mm	739g



C 1000V
EN/IEC60900:2004

Ratchet cable cutter

- designed to cut steel-shielded copper and aluminum cables (not designed for steel wires)
- for effortless cuts
- easy and progressive cut with two hands
- handles covered with insulating material

Description	model	length/weight	for cables Ømm / mm²
• Ratchet cable cutter	6251 525	530mm / 3,15kg	80 / 1000



C 1000V
EN/IEC60900:2004

Insulated front ratchet cable cutter

- designed to cut copper and aluminum cables
- handles and body covered with insulating material
- easy and progressive cut with one hand
- guaranteed clean cuts on conductors
- opening device can be actuated in any position by simply opening the handles
- interchangeable cutting edges (on request)

Description	model	length/weight	for cables Ømm / mm²
• Ratchet cable cutter	1621 032	315mm / 1,17kg	32 / 240



C 1000V
EN/IEC60900:2004

TOTALLY INSULATED MODEL

Characteristics like model 1621 032 with the following addition: shears head (excluding the cutting zone) totally protected against accidental contacts by an insulating cap.

Description	model	length/weight	for cables Ømm / mm²
• Ratchet cable cutter	1623 032	315mm / 1,27kg	32 / 240



Front ratchet cable cutter

- designed to cut copper and aluminum cables
- easy and progressive cut with one hand
- guaranteed clean cuts on conductors
- opening device that can be actuated in any position
- with shockproof resin handles
- interchangeable cutting edges (on request)

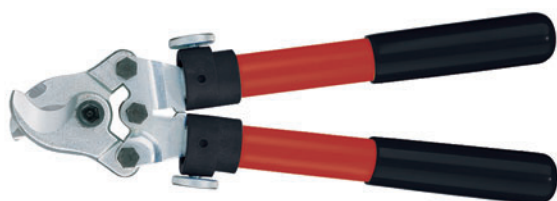
Description	model	length/weight	for cables Ømm / mm²
• Ratchet cable cutter	1622 032	306mm / 800g	32 / 250



Double-lever cable cutter

- designed to cut copper and aluminum cables
- double-lever shears
- head and cutting edges made of high-strength steel
- reduced opening arms to decrease cutting efforts and to permit cutting in hard-to-get-at positions
- clear cut without crushing the cable
- handles covered with insulating material

Description	model	length/weight	for cables Ømm / mm²
• Double-lever cable c.	6253 360	600mm / 2,10kg	26 / 150
• Spare cutting edge	6253 860	–	–
• Double-lever cable c.	6253 370	700mm / 3,20kg	33 / 150
• Spare cutting edge	6253 870	–	–



Double-lever cable cutter with telescoping arms

- designed to cut copper and aluminum cables
- double-lever shears
- head and cutting edges made of high-strength steel
- fully adjustable telescoping arms to adapt to different types of use
- clear cut without crushing the cable
- handles covered with shockproof resin

Description	model	length/weight	for cables Ømm / mm²
• Cable cutter	MS05	300-520mm/1,4kg	30 / 185
• Spare cutting edge	MS01/1E	–	–



Front ratchet shears for ropes

- designed to cut steel ropes
- extra-high strength cutting edges
- opening device that can be actuated in any position
- with shockproof resin handles

Description	model	length/weight	for cables Ømm / mm²
• Ratchet shears	1620 013	285mm / 960g	13 / 285



Cable shears

- designed to cut copper and aluminum cables
- high strength steel cutting edges
- profiled tubular-steel arms and form-fitting handles
- clear cut without crushing the cable
- with "GS" approval by the German Institute for Safety

Description	model	length/weight	for cables Ømm / mm²
• Cable shears	6252 102	530mm / 1,40kg	35 / 180
• Cable shears	6252 103	780mm / 2,70kg	50 / 500



Cable shears

- designed to cut copper and aluminum cables
- high strength steel cutting edges
- light alloy arms
- clear cut without crushing the cable
- handles covered with insulating material

Description	model	length/weight	for cables Ømm / mm²
• Cable shears	6277 346	460mm / 1,43kg	30 / 120
• Spare cutting edge	6277 946	–	–
• Cable shears	6277 380	830mm / 2,70kg	60 / 500
• Spare cutting edge	6277 980	–	–

Rope shears

- designed to cut high-strength steel ropes
- extra-high strength cutting edges
- blade with wrap-around profile for perfect shearing of the ropes
- light alloy arms
- handles made of shockproof resin

Description	model	length/weight	for cables Ømm / mm²
• Rope shears	6277 563	500mm / 1,50kg	8 / 500
• Spare cutting edge	6277 863	–	–
• Rope shears	6277 560	600mm / 2,30kg	14 / 600
• Spare cutting edge	6277 861	–	–



Cutter for sealing wire

- with device to retain the cut wire
- special high-hardness steel cutting edges (for hard wire)
- burnished surface treatment
- shockproof resin handles

Description	model	length	weight
• Cutter	AP0714	150mm	100g

PS25 – Hydraulic cable/rope-cutting head – dia. 25mm

Designed to cut aluminum, copper and steel cables up to 25mm in diameter. To operate it must be combined with a hydraulic pump (see page 87 - 90)

Technical Characteristics:

- light and compact structure
- blades made of high-strength treated steel
- head can be opened for easy cable insertion
- quick male connection with automatic lock system and undetachable dust cap
- cutting diameter: 25mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)



Description	model	dimensions	weight
• Set: Cutting head	PS25 GMPS25 SMP25	140x230x60mm	approx. 2kg
• Fixed blade		80x65x9mm	approx. 200g
• Mobile blade		50x31x6mm	approx. 40g



SET Equipment:

- hydraulic cable/rope cutting head
- canvas bag

PS25

Sector of use:

		tensile strenght N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm
Copper	Rope and cable	< 410										
	Bar	< 300										
	Bar	< 250										
Aluminum	Bar	< 340										
	Rope and cable	< 200										
	Bar	< 160										
Aldrey	Cable	< 340										
Alu/Steel	Rope	< 1800										
Steel	Rope	< 2200										
	Bar	< 600										
	Bar	< 420										
	Rope (> 200 spins)	< 180										



HS25 – Manual hydraulic cable/rope cutting tool - dia. 25mm

Designed to cut aluminum, copper and steel cables up to 25mm in diameter.

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide; rotates 270°
- quick feed with double hydraulic cylinder
- pressure limiter
- manual return in any position
- cutting diameter: 25mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)

Description	model	dimensions	weight
• Set: Cutting tool	HS25	450x190x70mm	approx. 4kg
• Cutting tool	HS25-loose	403x145x55mm	approx. 3kg
• Rigid case	KKHS25	450x190x70mm	approx. 1kg
• Fixed blade	GMPS25	80x65x9mm	approx. 200g
• Mobile blade	SMPS25	50x31x6mm	approx. 40g



HS25

SET Equipment:

- manual hydraulic cable/rope cutting tool
- rigid case

Sector of use:

		tensile strenght N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm
Copper	Rope and cable	< 410										
	Bar	< 300										
	Bar	< 250										
Aluminium	Bar	< 340										
	Rope and cable	< 200										
	Bar	< 160										
Aldrey	Cable	< 340										
Alu/Steel	Rope	< 1800										
Steel	Rope	< 2200										
	Bar	< 600										
	Bar	< 420										
	Rope (> 200 spins)	< 180										

ASI25 – Battery-operated hydraulic cable/rope cutting tool - dia. 25mm

Designed to cut aluminum, copper and steel cables up to 25mm in diameter.

Technical Characteristics:

- 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)
- rotating plastic grip between the device body and head, for easy and safe handling in any working position
- 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 for the following functions and messages:
 - continuous battery state control with 10 Leds (7 green + 2 orange + 1 red)
 - multifunction Led (with three colours) for:
 - control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
 - control and visualisation of the next maintenance interval
 - fault messages (for overload, over-current, high temperature, etc)
- cutting force: 60kN



ASI25

Description	model	dimensions	weight
• Set: Cutting tool • Fixed blade • Mobile blade	ASI25 GMPS25 SMPS25	440x400x100mm 80x65x9mm 50x31x6mm	approx. 6.5kg approx. 200g approx. 40g

SET Equipment:

- battery-operated hydraulic cutting tool
- 14,4V/2,6Ah Ni-MH - battery - RA6
- battery charger - LG4
- handy grip for safe transport
- rigid case

Optional Accessories (see page 44):

- 14,4V/3,0Ah Ni-MH - battery - RA7
- 14,4V/3,6Ah Ni-MH - battery - RA8
- Adapter for supply voltages 230V AC / 115V AC
- quick battery charger with optical signal - LG5
- cigar-lighter battery charger - LGZ
- shoulder strap

Sector of use:

		tensile strenght N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm
Copper	Rope and cable	< 410										
	Bar	< 300										
	Bar	< 250										
Alluminium	Bar	< 340										
	Rope and cable	< 200										
	Bar	< 160										
Aldrey	Cable	< 340										
Alu/Steel	Rope	< 1800										
	Rope	< 2200										
	Bar	< 600										
	Bar	< 420										
	Rope (> 200 spins)	< 180										

PS45 – Hydraulic cable/rope-cutting head – dia. 45mm

Designed to cut aluminum, copper and steel cables up to 45mm in diameter. To operate it must be combined with a hydraulic pump (see page 87 - 90)

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide
- quick coupling with dust cap
- cutting diameter: 45mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)



Description	model	dimensions	weight
• Set: Cutting head • Fixed blade • Mobile blade	PS45 GMPS45 SMP45	380x145x70mm 44x55x10mm 45x52x7mm	approx. 4kg approx. 100g approx. 100g



SET-Equipment:

- hydraulic cable/rope cutting head
- canvas bag

PS45

Sector of use:

			tensile strength N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm	Ø 29 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm	Ø 47 mm
Copper	Rope and cable	< 410																					
	Bar	< 300																					
	Bar	< 250																					
Aluminium	Bar	< 340																					
	Rope e cable	< 200																					
	Bar	< 160																					
Aldrey	Cable	< 340																					
Alu/Steel	Rope	< 1800																					
Steel	Rope	< 2200																					
	Bar	< 600																					
	Bar	< 420																					
	Rope (> 200 spins)	< 180																					



HSI45 – Manual hydraulic cable/rope cutting tool - dia. 45mm

Designed to cut aluminum, copper and steel cables up to 45mm in diameter.

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide; rotates 270°
- quick feed with double hydraulic cylinder
- pressure limiter
- manual return in any position
- cutting diameter: 45mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)

Description	model	dimensions	weight
• Set: Cutting tool	HSI45 HSI45-loose - GMPS45 SMPS45	710x270x100mm	approx. 7.7kg
• Cutting tool		600x175x70mm	approx. 6kg
• Rigid case		710x270x100mm	approx. 1.7kg
• Fixed blade		44x55x10mm	approx. 100g
• Mobile blade		45x52x7mm	approx. 100g



HSI45

SET Equipment:

- manual hydraulic cable/rope cutting tool
- rigid case

Sector of use:

		tensile strenght N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm	Ø 29 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm	Ø 47 mm
Copper	Rope and cable	< 410																				
	Bar	< 300																				
	Bar	< 250																				
Aluminium	Bar	< 340																				
	Rope and cable	< 200																				
	Bar	< 160																				
Aldrey	Cable	< 340																				
Alu/Steel	Rope	< 1800																				
Steel	Rope	< 2200																				
	Bar	< 600																				
	Bar	< 420																				
	Rope (> 200 spins)	< 180																				

ASI45 – Battery-operated hydraulic cable/rope cutting tool - dia. 45mm



Designed to cut aluminum, copper and steel cables up to 45mm in diameter.

Technical Characteristics:

- 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)
- rotating plastic grip between the device body and head, for easy and safe handling in any working position
- 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 for the following functions and messages:
 - continuous battery state control with 10 Leds (7 green + 2 orange + 1 red)
 - multifunction Led (with three colours) for:
 - control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
 - control and visualisation of the next maintenance interval
 - fault messages (for overload, over-current, high temperature, etc)
- cutting force: 60kN



ASI45

Description	model	dimensions	weight
• Set: Cutting tool • Fixed blade • Mobile blade	ASI45 GMPS45 SMPS45	600x380x140mm 44x55x10mm 45x52x7mm	approx. 8kg approx. 100g approx. 100g

SET Equipment:

- battery-operated hydraulic cutting tool
- 14,4V/2,6Ah Ni-MH - battery - RA6
- battery charger - LG4
- handy grip for safe transport
- rigid case

Optional Accessories (see page 44):

- 14,4V/3,0Ah Ni-MH - battery - RA7
- 14,4V/3,6Ah Ni-MH - battery - RA8
- adapter for supply voltages 230V AC / 115V AC
- quick battery charger with optical signal - LG5
- cigar-lighter battery charger - LGZ
- shoulder strap

Sector of use:

		tensile strenght N/mm	Ø 9 mm	Ø 11 mm	Ø 13 mm	Ø 15 mm	Ø 17 mm	Ø 19 mm	Ø 21 mm	Ø 23 mm	Ø 25 mm	Ø 27 mm	Ø 29 mm	Ø 31 mm	Ø 33 mm	Ø 35 mm	Ø 37 mm	Ø 39 mm	Ø 41 mm	Ø 43 mm	Ø 45 mm	Ø 47 mm
Copper	Rope and cable	< 410																				
	Bar	< 300																				
	Bar	< 250																				
Aluminium	Bar	< 340																				
	Rope and cable	< 200																				
	Bar	< 160																				
Aldrey	Cable	< 340																				
Alu/Steel	Rope	< 1800																				
Steel	Rope	< 2200																				
	Bar	< 600																				
	Bar	< 420																				
	Rope (> 200 spins)	< 180																				



Battery-operated ratchet cable cutter – dia. 50mm

Designed to cut copper and aluminum cables up to 50mm in diameter.

Technical Characteristics:

- battery-powered
- cuts in just a few seconds
- up to 50 cuts with one battery charge
- supply of blades and spare parts
- safety device with automatic block in case of overload
- cutting diameter: 50mm

Description	model	dimensions	weight
• Battery cable cutter	1624 050	400x360x140mm	approx. 5.4kg
• 12V battery	1624 901	–	–
• Battery charger	1624 902	–	–



1624 050

SET Equipment:

- ratchet cable cutter
- nickel-cadmium 12V battery - 1624 901
- 230V / 50Hz battery charger - 1624 902
- rigid case

PS50 – Hydraulic cable cutting head – dia. 50mm

Designed to cut aluminum, copper and aluminium cables up to 50mm in diameter. To operate it must be combined with a hydraulic pump (see page 87 - 90)

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide
- quick coupling with dust cap
- cutting diameter: 50mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)



Description	model	dimensions	weight
• Set: Cutting head • Fixed blade • Mobile blade	PS50 GMPS50 SMP50	380x140x70mm 95x110x8mm 74x61x6mm	approx. 3kg approx. 300g approx. 100g



SET Equipment:

- hydraulic cable cutting head
- canvas bag

PS50

Sector of use:

		tensile strenght N/mm	< Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm
Copper	Cable	< 410								
Aluminium	Cable	< 210								



**HSI50 - Manual hydraulic cable cutting tool -
dia. 50mm**

Designed to cut aluminum and copper cables up to 50mm in diameter.

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide; rotates 270°
- quick feed with double hydraulic cylinder
- pressure limiter
- manual return in any position
- cutting diameter: 50mm
- cutting force generated: 60kN
- operating pressure: 700bar (70MPa)

Description	model	dimensions	weight
• Set: Cutting tool	HSI50 HSI50-loose - GMPS50 SMP550	700x270x110mm	approx. 6.7kg
• Cutting tool		620x170x60mm	approx. 4.8kg
• Rigid case		700x270x110mm	approx. 2kg
• Fixed blade		95x110x8mm	approx. 300g
• Mobile blade		74x61x6mm	approx. 100g



HSI50

SET Equipment:

- manual hydraulic cable cutting tool
- rigid case

Sector of use:

		tensile strenght N/mm	< Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm
Copper	Cable	< 410								
Aluminium	Cable	< 210								

ASI50 - Battery-operated hydraulic cable cutting tool - dia. 50mm

Designed to cut aluminum and copper cables up to 50mm in diameter.

Technical Characteristics:

- 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)
- rotating plastic grip between the device body and head, for easy and safe handling in any working position
- 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 for the following functions and messages:
 - continuous battery state control with 10 Leds (7 green + 2 orange + 1 red)
 - multifunction Led (with three colours) for:
 - control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
 - control and visualisation of the next maintenance interval
 - fault messages (for overload, over-current, high temperature, etc.)
- cutting force: 60kN

Description	model	dimensions	weight
• Set: Cutting tool • Fixed blade • Mobile blade	ASI50 GMPS50 SMPS50	610x400x140mm 95x110x8mm 74x61x6mm	approx. 7kg approx. 300g approx. 100g



ASI50

SET Equipment:

- battery-operated hydraulic cutting tool
- 14,4V/2,6Ah Ni-MH - battery - RA6
- battery charger - LG4
- handy grip for safe transport
- rigid case

Optional Accessories (see page 44):

- 14,4V/3,0Ah Ni-MH - battery - RA7
- 14,4V/3,6Ah Ni-MH - battery - RA8
- adapter for supply voltages 230V AC / 115V AC
- quick battery charger with optical signal - LG5
- cigar-lighter battery charger - LGZ
- shoulder strap

Sector of use:

		tensile strength N/mm	< Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm	Ø 40 mm	Ø 45 mm	Ø 50 mm	Ø 55 mm
Copper	Cable	< 410								
Aluminium	Cable	< 210								

PS85 – Hydraulic cable/rope-cutting head – dia. 85mm

Designed to cut aluminum and copper cables up to 85mm in diameter.
To operate it must be combined with a hydraulic pump
(see page 87 - 90)

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide
- quick coupling with dust cap
- cutting diameter: 85mm
- cutting force generated: 70kN
- operating pressure: 700bar (70MPa)



Description	model	dimensions	weight
• Set: Cutting head	PS85	465x370x110mm	approx.7kg
• Cutting head	PS85-loose	425x135x73mm	approx. 5.3kg
• Rigid case	-	465x370x110mm	approx. 1.3kg
• Fixed blade	GMPS85	130x135x11mm	approx. 600g
• Mobile blade	SMPS85	110x94x8mm	approx. 400g



SET Equipment:

- hydraulic cable cutting head
- rigid case

PS85

Sector of use:

		tensile strenght N/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
Copper	Cable	< 410								
Aluminium	Cable	< 210								



HSI85 – Manual hydraulic cable cutting tool – dia. 85mm

Designed to cut aluminum and copper cables up to 85mm in diameter.

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide; rotates 270°
- quick feed with double hydraulic cylinder
- pressure limiter
- manual return in any position
- cutting diameter: 85mm
- cutting force generated: 70kN
- operating pressure: 700bar (70MPa)

Description	model	dimensions	weight
• Set: Cutting tool	HSI85 HSI85-lose – GMPS85 SMPS85	700x230x75mm	approx. 12.8kg
• Cutting tool		690x150x70mm	approx. 7.1kg
• Metallic case		700x230x75mm	approx. 5.7kg
• Fixed blade		130x135x11mm	approx. 600g
• Mobile blade		110x94x8mm	approx. 400g



SET Equipment:

- manual hydraulic cable cutting tool
- metallic case

HSI85

Sector of use:

		tensile strenght N/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
Copper	Cable	< 410								
Aluminium	Cable	< 210								



ASI85 – Battery-operated hydraulic cable cutting tool - dia. 85mm

Designed to cut aluminum and copper cables up to 85mm in diameter.

Technical Characteristics:

- 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)
- rotating plastic grip between the device body and head, for easy and safe handling in any working position
- 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 for the following functions and messages:
 - continuous battery state control with 10 Leds (7 green + 2 orange + 1 red)
 - multifunction Led (with three colours) for:
 - control of operation and status messages: (green = ok; orange = maintenance/service; red = fault)
 - control and visualisation of the next maintenance interval
 - fault messages (for overload, over-current, high temperature, etc)
- cutting force: 70kN

Description	model	dimensions	weight
• Set: Cutting tool • Fixed blade • Mobile blade	ASI85 GMPS85 SMPS85	600x380x140mm 130x135x11mm 110x94x8mm	approx. 9.5kg approx. 600g approx. 400g



ASI85

SET Equipment:

- battery-operated hydraulic cutting tool
- 14,4V/2,6Ah Ni-MH - battery - RA6
- battery charger - LG4
- handy grip for safe transport
- rigid case

Optional Accessories (see page 44):

- 14,4V/3,0Ah Ni-MH - battery - RA7
- 14,4V/3,6Ah Ni-MH - battery - RA8
- adapter for supply voltages 230V AC / 115V AC
- quick battery charger with optical signal - LG5
- cigar-lighter battery charger - LGZ
- shoulder strap

Sector of use:

		tensile strenght N/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
Copper	Cable	< 410								
Aluminium	Cable	< 210								



PS95 – Hydraulic cable cutting head – dia. 95mm

Designed to cut aluminum and copper cables up to 95mm in diameter. To operate it must be combined with a hydraulic pump (page 87 - 90).

- Technical Characteristics:**
- light and compact structure
 - open cutting head with guide blade
 - wide cutting edge openign for easy cable insertion
 - quick coupling with dust cap
 - cutting diameter: 95mm
 - cutting force generated: 100kN
 - operating pressure: 700bar (70MPa)

Description	model	dimensions	weight
• Set: Cutting head	PS95	450x300x150mm	approx. 14.6kg
• Cutting head	PS95-loose	400x135x70mm	approx. 8.3kg
• Metallic case	BKPS95	450x300x150mm	approx. 6.3kg
• Mobile blade	SMPS95	168x116x12mm	approx. 800g
• Guide blade	MFPS95	95x36x20mm	approx. 200g



- SET Equipment:**
- hydraulic cable cutting head
 - metallic case

PS95

Sector of use:

	tensile strenght N/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
Copper Cable	< 410											
Aluminium Cable	< 210											

PS120 – Hydraulic cable cutting head – dia. 120mm

Designed to cut aluminum and copper cables and steel-reinforced cables up to 120mm in diameter. To operate it must be combined with a hydraulic pump (page 87 - 90).

Technical Characteristics:

- light and compact structure
- cutting head with snap closure and blade guide
- special cutting edge design for precise cut
- quick coupling with dust cap
- cutting diameter: 120mm
- cutting force generated: 100kN
- operating pressure: 700bar (70MPa)



Description	model	dimensions	weight
• Set: Cutting head	PS120	600x220x90mm	approx. 14.9kg
• Cutting head	PS120-loose	550x175x75mm	approx. 9.8kg
• Metallic case	BKPS120	600x220x90mm	approx. 5.1kg
• Fixed blade	GMPS120	150x175x12mm	approx. 1.3kg
• Mobile blade	SMPS120	142x130x11mm	approx. 1kg



SET Equipment:

- hydraulic cable cutting head
- metallic case

PS120

Sector of use:

		tensile strenght N/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							
Steel-reinforced	Cable	< 200							



RA6



RA7



RA8



LG4



Optional Accessories

Description	model
• Battery 14,4V / 2.6Ah Ni-MH	RA6

Description	model
• Battery 14,4V / 3.0Ah Ni-MH	RA7

Description	model
• Battery 14,4V / 3.6Ah Ni-MH	RA8

Description	model
• Rapid battery charger	LG4

Description	model
• Rapid battery charger (with visual recharge display)	LG5

Description	model
• Battery charger (over cigarette lighters connectably)	LGZ

Description	model
• Adapter for supply voltages 230V AC / 115V AC	NG1

Description	model
• Shoulder strap	TG1

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 comma 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 30kV 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 grounding 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.

Maintenance:

To guarantee correct operation, constant availability and long life of the insulated cable cutters, Intercable suggests maintenance intervals of 2 years, the work to be done only by authorised technicians. If a cut must be made under tension, it is however always necessary to carry out a check on the entire system.

In conformity with DIN VDE 0105 standard, part 100, par. 4.6 and with VGB 4 prescriptions, insulated cable cutters must be subjected to periodical checks by qualified technicians. According to GB regulations, the maintenance intervals must be defined and described by the manufacturer in the Instructions for Use.

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.



Electric arc in a test shortcircuit.



Photo 1: 200ms



Photo 2: 800ms



Photo 3: 1.200ms



Photo 4: 1.600ms



FP63-SSA



SSA95-loose



Trolley



SSA – Insulated cable shears with pedal pump

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

Technical Characteristics:

- light and compact structure
- reduced weight thanks to the use of light alloys and corrosion resistant materials
- easy use and high stability thanks to the ergonomic pedal and to the non-slip base
- fast feed 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 delivery rate: 28.6cm³ / stroke
- high pressure delivery rate: 2cm³ / stroke
- usable quantity of oil: 500ml
- cutting force generated: 100kN
- operating temperature: -20°C to +40°C

Description	model	dimensions	weight
• Set: SSA 85mm	SSA85	640x520x365mm	approx. 33kg
• Set: SSA 95mm	SSA95	640x520x365mm	approx. 37kg
• Set: SSA 120mm	SSA120	640x520x365mm	approx. 41kg
• SSA85 without case	SSA85-loose	–	approx. 16kg
• SSA95 without case	SSA95-loose	–	approx. 19kg
• SSA120 without case	SSA120-loose	–	approx. 20kg

SET Equipment SSA85, SSA95, SSA120:

- pedal pump - FP63-SSA
- hydraulic cutting head (85, 95 or 120mm) with high pressure hose length 10.5 m
- plastic case with integral handle and wheels for easy transport of the entire equipment
- steel insert for transporting the equipment without the case



Pedal pump FP63-SSA + 10,5m high pressure hose	+ Cutting head 85mm	+ Cutting head 95mm		+ Cutting head 120mm
	SSA85	SSA95	SSA120	
Description	85mm	95mm	120mm	
cutting diameter	85mm	95mm	120mm	
operating pressure	625bar (62,5MPa)	625bar (62,5MPa)	625bar (62,5MPa)	
high pressure hose	length 10,5m	length 10,5m	length 10,5m	
drive component	pedal pump FP63	pedal pump FP63	pedal pump FP63	
packaging	rigid box	rigid box	rigid box	



KV24
⚡ 30.000V

KV24 – Insulated cable shears with battery-operated pump

Suitable for safely cutting copper or aluminium wires of various diameters, depending on the cutting head used (see below).

- Technical Characteristics:**
- battery voltage 24V
 - electronic push-button remote control
 - pressure control by pressure gauge
 - return to the initial position at any time using the remote control
 - automatic return to the initial position on completion of the cutting operation
 - internal battery charger with charge indicator
 - quick coupling with dust cap
 - operating pressure: 625bar (62.5MPa)
 - delivery rate: 0.5l / min
 - battery voltage: 24V
 - battery capacity: 14.4Ah
 - motor power: 370W
 - degree of protection: IP43
 - operating temperature: -20°C to +40°C

Description	model	dimensions	weight
• Insulated cable shears (without cutting head)	KV24	450x230x360mm	ca. 28kg

- Equipment:**
- battery-operated electro-hydraulic pump
 - electronic push-button remote control
 - mains supply cable

Description	model	dimensions	weight
• Cutting head 85mm	PS85-SSA	540x230x360mm	ca. 33kg
• Cutting head 95mm	PS95-SSA	540x230x360mm	ca. 37kg
• Cutting head 120mm	PS120-SSA	540x230x360mm	ca. 41kg

- Equipment:**
- hydraulic cutting head (85, 95 or 120 mm) with high pressure hose length 10.5 m
 - aluminium case for transporting both cutting head and hose



Battery-operated pump KV24	+ Cutting head 85mm	+ Cutting head 95mm		+ Cutting head 120mm
	SSA85	SSA95	SSA120	
	cutting diameter	cutting diameter	cutting diameter	
	85mm	95mm	120mm	
	operating pressure	operating pressure	operating pressure	
	625bar (62,5MPa)	625bar (62,5MPa)	625bar (62,5MPa)	
	high pressure hose	high pressure hose	high pressure hose	
	length 10,5m	length 10,5m	length 10,5m	
	drive component	drive component	drive component	
	battery-operated pump	battery-operated pump	battery-operated pump	
	packaging	packaging	packaging	
	aluminium box	aluminium box	aluminium box	



Thermal blanket

- free of asbestos and other dangerous ingredients
- composed 98% of silicon oxide (amorphous SiO₂)
- usable for temperatures up to 1260°C
- melting temperature above 1600°C
- non-toxic product

Description	model	dimensions	–
• Thermal blanket	HSD1	1800x1800mm	–
• Thermal blanket	HSD2	1200x900mm	–
• Thermal blanket	HSD3	450x600mm	–

Safety bag

Foam rubber padding to protect its contents

Equipped with:

- 1 pair of insulated gloves, class 1 - size 10 AV4732
- 1 pair of electrician's goggles with case AV9304
- 1 electrician's helmet AV9302
- 1 visor for helmet AV9302
- 1 insulating carpet, 1000V, gray, 1000x1000x4mm AV4301

Description	model	dimensions	–
• Bag equipped	AB7711	560x360x320mm	–
• Bag without equipm.	AB7710	560x360x320mm	–

7kA electric arc safety jacket

- garment protecting against electric arcs for working on live LV systems
- jacket with two top and bottom front pockets, collar with closure
- material: viscous nomex
- standards: UNI EN 531
- color: blue / orange
- resists up to 7kA electric arcs

Description	model	size	–
• Safety jacket	AI0101	S	–
	AI0102	M	–
	AI0103	L	–
	AI0104	XL	–
	AI0105	XXL	–

7kA electric arc trousers jacket on order



CE