KLAUKE ORANGE SAFETY IS A CHOICE WE MAKE!
THINK SAFE. ACT SAFE.

Globally unique

For even more safety, Klauke has now developed the world's first battery hydraulic crimping and cutting tools with Tri-Insulation Barrier technology that provides users with 1,000V protection against electrical shocks.

Whether you work as a panel builder or in utilities:

Think safe. Act safe.

Choose Klauke ORANGE for more safety.





VDE tested and certified to 1,000 V in accordance to the electrical requirements of IEC 60900 and fully certified to IEC 62841-1 $\,$

In brief

- Applied voltage at the tool head does not disrupt to tool hody
- Integrated slip-off protection prevents unintentional contact with live parts
- Housing in signal orange for simple differentiation from standard tools

Klauke ORANGE - Safety is a choice we make. https://www.youtube.com/watch?v=Uq6vV79KyhM







▶ Much safer operations

Working with utility lines presents a series of challenges: Proximity to potentially live parts, limited space and time pressure.

This is why safety and using the right protection equipment are essential when doing this type of work. With Klauke ORANGE, you can rely on an additional layer of protection, whenever it is not possible to disconnect the circuits or when you may not be aware that you are working on a live circuit.





Accidental touching of live parts is prevented by standard-conforming slip-off protection

▶ Safe and convenient

Electrical system cannot be de-energized or disconnected in many cases, so working on live cables cannot be avoided. Our Oranges Line of battery powered crimping and cutting tools increase operating comfort and safety significantly in these cases. They are suitable for all applications in the low-voltage area up to 1,000 V: from the installation of cable joints and working on overhead transmission lines to mounting and repairing street lighting or meter systems.

The tried and proven functions of our Next Generation remain in place. Hence you can see all information at a glance, thanks to the integrated display. Orange Line tools also have a continuously rotating tool head.

▶ Safety cutting tools

The ASSG safety cutting system from Klauke, approved by the trade associates, is able to safely cut live Cu/Al cables with a rated voltage of up to 60 kV, even if a fault occurs. The cutting process is carried out using two powerful and durable 5 Ah Lithium-lon rechargeable batteries. The remote control ensures increased comfort and optimised control during the cutting operation. The quick coupling located on the ASSG pump allows various cutting heads to be quickly and simply connected to the pre-mounted hydraulic hose.



EKM 60/22 IS VDE-battery powered hydraulic crimping tool 6 - 300 mm²

















- ▶ Housing in signal orange for simple differentiation from standard tools
- Insulated and VDE certified up to 1,000 V for increased safety when working on potentially voltage-carrying parts
- ▶ Large crimping range up to 300 mm²
- ▶ All tool data in view thanks to the built-in display

Characteristics

- Choose your battery system: Bosch or Makita
- Closed head with bolt interlock, rotatable, flip top style
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

22-series interchangeable crimping dies, narrow crimping

Technical data			
Crimping force	60 kN		
Hub	17.5 mm		
Crimping range	6 - 300 mm ²		
Crimping cycle	2 s (for ARS) to 5 s (de	epending on cross-sec	ction)
Charging time	15 min.		
Weight incl. battery	3.1 kg		
Ambient temperature	-10 °C up to +40 °C		
Item		Part No. Bosch	Part No. Makita
VDE-battery powered hydraul 6 - 300 mm ²	ic crimping tool	EKM6022ISB	EKM6022ISM
Scope of supply			
Bosch battery 18 V / 2.0 Ah, L	i-lon	RALB1EU	
Bosch quick-charger for 18 V	Li-lon battery	LGLB1EU	
Makita battery 18 V / 1.5 Ah, I	Li-lon		RAL1
Makita quick-charger for 18 V	Li-lon battery		LGL1
Plastic case		KK50IS	KK50IS
Accessories			
Bosch battery 18 V / 5.0 Ah, L	i-lon	RALB2EU	
Makita battery 18 V / 4.0 Ah, I	Li-lon		RAL40



Available dies for Series 22 for EKM 60/22 IS

Available dies for ochies 22 for Etti	11 00/22 10			
Refer to the limitations when crimping connectors in the technical suitable for	appendix. Connection material	Crimping range mm ²	Crimp profile	Page
	Connection material	Grimping range min-	Gillip profile	raye
Copper tubular cable lugs and connectors				
Tubular cable lugs and connectors, blue connection® for compacted conductors acc. to DIN EN 60228 Class 2	blue connection	6 - 300		328
Tubular cable lugs and connectors, standard type, tubular cable lugs for switchgear connections		6 - 300		327
Insulated cable lugs and compression joints, standard type, Insulated pin terminals		10 - 150		327
Tubular cable lugs and connectors for fine stranded conductors		10 - 70	\bigcirc	328
Tubular cable lugs and connectors for solid conductors	O	1.5 - 16		328
Tubular cable lugs and connectors, Ni, VA				
Stainless steel tubular cable lugs and connectors	VA	10 - 50	\sim	328
Nickel tubular cable lugs and connectors	Ni	10 - 50	$\overline{\bigcirc}$	328
Copper compression cable lugs and connectors to DIN				
Copper compression cable lugs (DIN 46235) and connectors (DIN 46267, part 1) acc. to DIN	DIN	6 - 300		329
Double compression cable lugs		2 x 50 - 2 x 70		329
Terminals, connectors and pin terminals acc. to DIN, copper				
Solderless terminals (DIN 46234), connectors and pin terminals (DIN 46230) acc. to DIN		10 - 70	\bigcirc	329
Insulated solderless terminals		10 - 70	\bigcirc	329
Sleeves for compacted conductors and sector-shaped conductors,	copper			
Pre-rounding dies for sector-shaped Al and Cu conductors		10 sm - 300 se / 300 sm		330
Aluminium compression cable lugs and connectors to DIN				
Aluminium compression cable lugs and connectors to DIN	AI	10 - 300		330
Compression joints connections for Aldrey-conductors DIN EN 50182, Al-conductors DIN EN 50182, 120 - 185 mm ²	Aldrey	25 - 185		330
Compression joints DIN 48085, part 3 for aluminium/steel conductors DIN EN 50182, aluminium crimping	Al/St	25/4 - 120/20		331
Compression joints DIN 48085, part 3 for aluminium/steel conductors DIN EN 50182, steel crimping	Al/St	25/4 - 120/20		331
Aluminium/copper compression cable lugs and connectors				
Aluminum side of aluminum/copper compression cable lugs and connectors: crimping dies A22, copper side of aluminum/copper compression cable lugs and connectors: crimping dies D22	Al/Cu	10 - 300		330
Clamps				
Clamps, C-type		4 - 70		331
Clamps, H-type		70		331
Cable end-sleeves				
Twin cable end-sleeves		2 x 4 - 2 x 16		332
Cable end-sleeves, trapezodial, for fine stranded conductors		10 - 240		332
Twin cable end-sleeves, trapezodial, for fine stranded conductors		2 x 4 - 2 x 16		332

EKM 60 ID IS VDE-battery powered hydraulic crimping tool 10 - 240 mm²







Characteristics

(patent pending)

Choose your battery system: Bosch or Makita

on potentially voltage-carrying parts

▶ Indent crimping - no crimping dies required

- With innovative 2-stage telescopic cylinder
- Closed head, flip top style, rotatable
- Quality assurance via visual and audible signals in case of error
- Simple and safe: One-button operating concept for controlling all tool functions

Housing in signal orange for simple differentiation from standard tools
 Insulated and VDE certified up to 1,000 V for increased safety when working

▶ Extra large crimping area due to innovative 2-stage telescopic cylinders

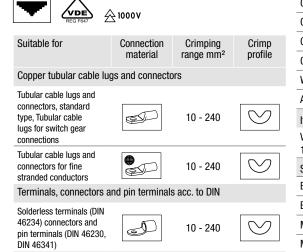
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

- Very well suited for compacted conductors
- Especially for fine strand conductors to DIN VDE 60228

Additional information

Certified from 16 mm² onwards



Technical data			
Crimping force	30 - 60 kN		
Stroke / opening width	35.5 mm		
Crimping range Cu	10 - 240 mm ²		
Crimping range Al	50 - 240 mm ²		
Crimping cycle	2 s (MRS+) to 7 s (dep	pending on cross-sect	ion)
Charging time	15 min.		
Weight incl. battery	2.6 kg		
Ambient temperature	-10 °C up to +40 °C		
Item		Part No. Bosch	Part No. Makita
VDE-battery powered hydraulic	crimping tool	EKM60IDISB	EKM60IDISM
10 - 240 mm ²		EKINIOOIDISB	EKINOOIDISINI
10 - 240 mm ² Scope of supply		EKWOOIDISB	EKIMOUIDISM
10 210	lon	RALB1EU	EKIVIOOIDISIVI
Scope of supply			EKWOUIDISIWI
Scope of supply Bosch battery 18 V / 2.0 Ah, Li-	i-lon battery	RALB1EU	RAL1
Scope of supply Bosch battery 18 V / 2.0 Ah, Li- Bosch quick-charger for 18 V L	i-lon battery -lon	RALB1EU	
Scope of supply Bosch battery 18 V / 2.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 1.5 Ah, Li-	i-lon battery -lon	RALB1EU	RAL1
Scope of supply Bosch battery 18 V / 2.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 1.5 Ah, Li Makita quick-charger for 18 V I	i-lon battery -lon	RALB1EU LGLB1EU	RAL1 LGL1
Scope of supply Bosch battery 18 V / 2.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 1.5 Ah, Li Makita quick-charger for 18 V L Plastic case	i-lon battery -lon Li-lon battery	RALB1EU LGLB1EU	RAL1 LGL1
Scope of supply Bosch battery 18 V / 2.0 Ah, Li- Bosch quick-charger for 18 V L Makita battery 18 V / 1.5 Ah, Li Makita quick-charger for 18 V I Plastic case Accessories	i-lon battery -lon Li-lon battery	RALB1EU LGLB1EU KK50IS	RAL1 LGL1

Aluminum/copper compression cable lugs and connectors

Aluminum compression cable lugs and connectors

Aluminum/copper compression cable lugs and connectors

400

Aluminum compression cable lugs and connec-

Al/St-cable acc. to DIN EN 50182

tors acc. to DIN

Compression joints acc. to DIN 48085, part 3 for



50 - 240

50 - 240

50 - 240





ESM 50 IS VDE-battery powered hydraulic cutting tool 50 mm dia. for copper and aluminium cable









- ▶ Housing in signal orange for simple differentiation from standard tools
- Insulated and VDE certified up to 1,000 V for increased safety when working on potentially voltage-carrying parts
- ▶ High cutting force cuts copper and aluminium cables (also fine stranded)
- ► Saves time thanks to innovative opening mechanism
- ▶ All tool data in view thanks to the built-in display

Characteristics

- Choose your battery system: Bosch or Makita
- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Manual retract stop (MRS) for efficient operations
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

- Cu and Al cables (multi and fine stranded) even armoured cable

Technical data			
Head type	cutter open		
Cutting range	max. 50 mm dia.		
Cutting force	38 kN		
Cutting cycle	8 s to 10 s (depending	g on material thickness	s)
Charging time	15 min.		
Weight incl. battery	3.0 kg		
Ambient temperature	-10 °C up to +40 °C		
Item		Part No. Bosch	Part No. Makita
VDE Battery powered hydraulic 50 mm dia.	cutting tool	ESM50ISB	ESM50ISM
Scope of supply			
Bosch battery 18 V / 2.0 Ah, Li-I	on	RALB1EU	
Bosch quick-charger for 18 V Li	-lon battery	LGLB1EU	
Makita battery 18 V / 1.5 Ah, Li-	lon		RAL1
Makita quick-charger for 18 V L	i-lon battery		LGL1
Plastic case		KKESM50IS	KKESM50IS
Accessories			
Bosch battery 18 V / 5.0 Ah, Li-I	on	RALB2EU	
Makita battery 18 V / 4.0 Ah, Li-	lon	_	RAL2

VDE-battery powered cutting tools

ESM 35 IS VDE-battery powered hydraulic cutting tool 35 mm dia. for copper and aluminium cable









- ▶ Housing in signal orange for simple differentiation from standard tools
- ► Insulated and VDE certified up to 1,000 V for increased safety when working on potentially voltage-carrying parts
- ▶ High cutting force cuts copper and aluminium cables (also fine stranded)
- ▶ All tool data in view thanks to the built-in display

Characteristics

- Choose your battery system: Bosch or Makita
- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Manual retract stop (MRS) for efficient operations
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

- Cu and Al cables (multi and fine stranded) even armoured cable

Technical data			
Head type	cutter open		
Cutting range	max. 35 mm dia.		
Cutting force	25 kN		
Cutting cycle	4 s up to 6 s (dependi	ng on material thickne	ss)
Charging time	15 min.		
Weight incl. battery	2.9 kg		
Ambient temperature	-10 °C up to +40 °C		
Item		Part No. Bosch	Part No. Makita
VDE Battery powered hydraulic 35 mm dia.	cutting tool	ESM35ISB	ESM35ISM
Scope of supply			
Bosch battery 18 V / 2.0 Ah, Li-I	on	RALB1EU	
Bosch quick-charger for 18 V Li	-lon battery	LGLB1EU	
Makita battery 18 V / 1.5 Ah, Li-	lon		RAL1
Makita quick-charger for 18 V L	i-lon battery		LGL1
Plastic case		KKESM50IS	KKESM50IS
Accessories			
Bosch battery 18 V / 5.0 Ah, Li-I		RALB2EU	
	on	NALDZLU	
Makita battery 18 V / 4.0 Ah, Li-		NALDZLO	RAL2



ESM 25 IS VDE-battery powered hydraulic cutting tool 25 mm dia.











- ▶ Housing in signal orange for simple differentiation from standard tools
- Insulated and VDE certified up to 1,000 V for increased safety when working on potentially voltage-carrying parts
- ► For cutting Al/St cables (ACSR), round materials (Cu, Al, St) as well as armoured cables, steel rods and stay wire
- ▶ Extremely robust design and lightweight
- ▶ All tool data in view thanks to the built-in display

Characteristics

- · Choose your battery system: Bosch or Makita
- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- 2-stage hydraulic system with fast feed and power stroke
- Simple and safe: Automatic retraction when operation is complete
- Manual retract stop (MRS) for efficient operations
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

• Open wires (ACSR, Aldrey), stay wire and high-tensile stay wire

Technical data					
Head type	cutter open				
Cutting range	. ,	Open wire (ACSR, Aldrey) up to dia. 25 mm, stay wire up to dia. 16 mm, hightensile stay wire up to dia. 12 mm			
Cutting force	67 kN				
Cutting cycle	depending on materia	l thickness			
Charging time	15 min.				
Weight incl. battery	2.9 kg				
Ambient temperature	-10 °C up to +40 °C				
Item		Part No. Bosch	Part No. Makita		
VDE Battery powered hydrau 25 mm dia.	ılic cutting tool	ESM25ISB	ESM25ISM		
Scope of supply					
Bosch battery 18 V / 2.0 Ah,	Li-lon	RALB1EU			
Bosch quick-charger for 18	V Li-lon battery	LGLB1EU			
Makita battery 18 V / 1.5 Ah	, Li-lon		RAL1		
Makita quick-charger for 18	V Li-lon battery		LGL1		
Plastic case		KKESM50IS	KKESM50IS		
Accessories					
Bosch battery 18 V / 5.0 Ah,	Li-lon	RALB2EU			
Makita battery 18 V / 4.0 Ah	, Li-lon		RAL2		
Replacement blade set		ESM25ESET	ESM25ESET		

VDE-battery powered cutting tools

ES 20 IS VDE battery powered hydraulic cutting tool 20 mm dia.







- ▶ Housing in Signal Orange for simple differentiation from standard tools
- Insulated and VDE certified to 1000 V for increased safety when working on potentially voltage-carrying parts
- ▶ For cutting Al/St conductors (ACSR) to DIN EN 50182, solid Al/Cu cables to DIN EN 60228, Class 1 and laminated copper bus bars
- Extremely robust design and lightweight
- ▶ Slim cutting head ideal when space is critical
- ▶ All tool data in view thanks to the built-in display

Characteristics

- Choose your battery system: Bosch or Makita
- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Manual retract stop (MRS) for efficient operations
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

- Al/St wire (ACSR)

Technical data			
Head type	cutter open		
Cutting range	max. 18 mm dia. (dep	ending on cable/wire t	ype)
Cutting force	23 kN		
Cutting cycle	2 s to 4 s (depending	on cable size)	
Charging time	15 min.		
Weight incl. battery	2.1 kg		
Ambient temperature	-10° to +40 °C		
Item		Part No. Bosch	Part No. Makita
VDE battery powered hydraulic	cutting tool 20mm dia.	ES20ISB	ES20ISM
Scope of supply			
Bosch battery 18 V / 2.0 Ah, Li-	on	RALB1EU	
Bosch quick-charger for 18 V Li	-lon battery	LGLB1EU	
Makita battery 18 V / 1.5 Ah, Li-	·lon		RAL1
Makita quick-charger for 18 V L	i-lon battery		LGL1
Plastic case		KK50IS	KK50IS
Accessories			
Bosch Akku 18 V / 5,0 Ah, Li-lor	1	RALB2EU	
Makita battery 18 V / 3.0 Ah, Li-	lon (54 Wh)		RAL2
Replacement blade		ES20E	ES20E



ES 32 IS VDE battery powered hydraulic cutting tool 32 mm dia.





- ▶ Housing in Signal Orange for simple differentiation from standard tools
- ▶ Insulated and VDE certified to 1000 V for increased safety when working on potentially voltage-carrying parts
- ▶ Slim cutting head ideal when space is critica
- ▶ All tool data in view thanks to the built-in display

Characteristics

- Choose your battery system: Bosch or Makita
- Open head, rotatable
- Simple and safe: One-button operating concept for controlling all tool functions
- Effortless working due to balanced centre of gravity
- LED for work area illumination
- Simple and safe: Automatic retraction when operation is complete
- Manual retract stop (MRS) for efficient operations
- Always ready-to-use thanks to battery charge and service display
- All data can be easily read out via Bluetooth

Suitable for

Multistranded Cu- and Al-cable





Technical data						
Head type	cutter open					
Cutting range	max. 32 mm dia. (dep	max. 32 mm dia. (depending on cable/wire type)				
Cutting force	15 kN					
Cutting cycle	8 s to 10 s (depending	g on cable size)				
Charging time	15 min.					
Weight incl. battery	2.0 kg					
Ambient temperature	-10 °C to 40 °C					
Item		Part No. Bosch	Part No. Makita			
VDE battery powered hydrau	lic cutting tool 32mm dia.	ES32ISB	ES32ISM			
Scope of supply						
Bosch battery 18 V / 2.0 Ah,	Li-lon	RALB1EU				
Bosch quick-charger for 18 \	/ Li-lon battery	LGLB1EU				
Bosch quick-charger for 18 V Makita battery 18 V / 1.5 Ah,		LGLB1EU	RAL1			
	Li-lon	LGLB1EU	RAL1 LGL1			
Makita battery 18 V / 1.5 Ah,	Li-lon	LGLB1EU KK50NG				
Makita battery 18 V / 1.5 Ah, Makita quick-charger for 18	Li-lon		LGL1			
Makita battery 18 V / 1.5 Ah, Makita quick-charger for 18 Plastic case	Li-lon V Li-lon battery		LGL1			
Makita battery 18 V / 1.5 Ah, Makita quick-charger for 18 Plastic case Accessories	Li-lon V Li-lon battery	KK50NG	LGL1			



SSG Hydraulic safety cutter with foot pump to max. 105 mm dia.



- ► Safety cutter for safe cutting of live Cu/Al cables without steel armouring which, in case of a failure, may carry voltages of up to 60 kV
- Single-core lives cables without steel armouring can be cut under voltage of up to 110 kV/60 Hz

Characteristics

- Two-stage hydraulics
- · Manual retract as required
- The cutting head is generally delivered including safety hydraulic hose (10 m)

T 1 ' 1 1 1				
Technical data	SSGG85	SSG105	SSGG105	~=\
Head type	closed (SSKG85)	open (SSK105)	closed (SSGG1	05)
Cutting range	max. 85 mm dia. (depending on cable type)	max. 105 mm dia. (depending on cable type)	max.105 mm ((depending on type)	
Operating pressure	625 bar	625 bar	625 bar	
Hydraulic oil	Special oil Rivolta S.B.H.11	Special oil Rivolta S.B.H.11	Special oil Rivo S.B.H.11	lta
Weight	16 kg	19 kg	19 kg	
Ambient temperature	-20 °C up to +40 °C	-20 °C up to +40 °C	-20 °C up to +	40 °C
Item			Part No.	
Hydraulic safety cutting	unit with foot pump ma	x. 85 mm dia.	SSGG85	
Hydraulic safety cutting	unit with foot pump ma	x. 105 mm dia.	SSG105	
Hydraulic safety cutting	unit with foot pump ma	x. 105 mm dia.	SSGG105	
Scope of supply			Part No.	Page
Earthing kit			EG1	
Steel carrying case			MKSSG	
Accessories			Part No.	Page
Heat protection cover 1	.8 m x 1.8 m		HSD1	
Heat protection cover 1	.2 m x 0.9 m		HSD2	
Replacement blade for	SSGG85	SSG105	SSGG1	05
ES105E		•		
ESG85EF1	•			
ESG85ES1	•			
ESG105EF			•	
ESG105ES			•	
Replacement cutting he	ead SSGG85	SSG105	SSGG1	05
SSGG85	•			
SSG105		•		
SSGG105			•	



ESSG Battery powered hydraulic safety cutter to max. 105 mm dia.





- ► Safety cutter for cutting live Cu/Al cables without steel armouring which, in case of a failure, may carry voltages of up to 60 kV
- Single-core lives cables without steel armouring can be cut under voltage of up to 110 kV/60 Hz
- ▶ Powerful 3.3 Ah Li-lon battery

Characteristics

- 2-stage hydraulic system with fast feed and power stroke
- Electronic control
- Multifunction LED for maintenance display and charge status display of the battery
- LED display for service interval after 250 cuts
- The cutting head is generally delivered including safety hydraulic hose (10 m)

Tankai al data	5000051		-00040=1	
Technical data	ESSGG85L		ESSG105L	
Head type Cutting range	closed (SSKG85) max. 85 mm dia. (c on cable type)	lepending i	open (SSK105) max. 105 mm dia. (do on cable type)	epending
Cutting force	60 kN		80 kN	
Cutting time	approx. 21 - 40 s	í	approx. 21 - 40 s	
Operating pressure	625 bar	(625 bar	
Battery voltage	18 V	-	18 V	
Battery capacity	3.3 Ah, Li-lon	;	3.3 Ah, Li-lon	
Charging time	60 min.	(60 min.	
Hydraulic oil	Special oil Rivolta S	S.B.H.11 S	Special oil Rivolta S.E	3.H.11
Weight	9.98 kg		13.13 kg	
Ambient temperature	-20 °C up to +40 °C	; -	-20 °C up to +40 °C	
Item			Part No.	
Battery powered hydraulic s	afety cutter, max. 85 mm	ı dia.	ESSGG85L	
Battery powered hydraulic s	afety cutter, max. 105 m	m dia.	ESSG105L	
Scope of supply			Part No.	Page
Battery 18 V / 3.3 Ah, Li-lon	(54 Wh)		RAL3	483
Charger for 18 V Li-lon batte	eries		LGL3	486
Plastic case for ESSG65L an	d ESSG105L		KKESSGL	
Plastic case for ESSGG85L			KKESSGG85L	
Earthing kit			EG1	
Accessories			Part No.	Page
Heat protection cover 1.8 m	x 1.8 m		HSD1	
Heat protection cover 1.2 m	x 0.9 m		HSD2	
Replacement blade for	ESSGG85L		ESSG105L	
ES105E			•	
ESG85EF1	•			
ESG85ES1	•			
Replacement cutting head	SSGG85	SSG10	5 SSGG	105
SSGG85	•			
SSG105		•		
SSGG105			•	

ASSG Battery powered hydraulic safety cutter to max. 120 mm dia.





- DGUV-approved safety cutter for cutting live Cu/Al cables without steel armouring which, in case of a failure, may carry voltages of up to 60 kV
- ► Single-core lives cables without steel armouring can be cut under voltage of up to 110 kV/60 Hz
- ▶ Very wide opening width to 120 mm
- Safe and fast operations by using remote control and 10 m long safety hydraulic hose

Characteristics

- 2-stage hydraulic system with fast feed and power stroke
- Quick motor stop for high user safety
- Electronic control
- DGUV-tested
- 360° rotating connection as with the cutting head
- Battery-powered pump filled with non-conductive oil
- Remote control for increased comfort and safety
- Two powerful 5 Ah, 18 V Lithium-lon batteries (one battery is always there as a replacement)
- Sturdy housing from impact-resistant, fibreglass reinforced polyamide
- The cutting head is generally delivered including safety hydraulic hose (10 m)
- Multi-function display for pressure testing, power consumption and service interval

Additional information

Complete system, different variants available depending on cutting head

Technical data	ASSGG85L	ASSG105L	ASSGG105L		ASSG120	0SL
Head type	closed	open	closed		open	
Cutting range	max. 85 mm dia.	max. 105 mm dia.	max. 105 mm	dia.	max. 12 dia.	20 mm
Operating pressure	max. 630 bar	max. 630 bar	max. 630 bar		max. 63	30 bar
Battery voltage	18 V	18 V	18 V		18 V	
Battery capacity	2 x 5 Ah Li-lon	2 x 5 Ah Li-lon	2 x 5 Ah Li-Ion	1	2 x 5 Al	n Li-lon
Charging time	45 min.	45 min.	45 min.		45 min.	
Max. oil volume	approx. 750 ml	approx. 750 ml	approx. 750 m	nl	approx.	750 ml
Hydraulic oil	Shell Naturelle HF-E 15	Shell Naturelle HF-E 15	Shell Naturelle HF-E 15	9	Shell Na HF-E 15	
Weight incl. battery	2 batteries approx. 6.4 kg	2 batteries approx. 6.4 kg	2 batteries approx. 6.4 kg	J	2 batter approx.	
Ambient tempe- rature	-20 °C up to +40 °C	-20 °C up to +40 °C	-20 °C up to +40 °C		-20 °C +40 °C	•
Dimension	330 x 160 x 280 mm	330 x 160 x 280 mm	330 x 160 x 20 mm	80	330 x 1 280 mn	
Item				Part	No.	
Battery powered h	ydraulic safety cutter, max.	. 85 mm dia.	AS	SSGO	385L	
Battery powered h	ydraulic safety cutter, max.	. 105 mm dia.	A	SSG1	105L	
Battery powered h	ydraulic safety cutter, max.	. 105 mm dia.	AS	SGG	105L	
Battery powered h	ydraulic safety cutter, max	. 120 mm dia.	AS	SG1	20SL	
Scope of supply			Part No.	Qu	antity	Page
Makita battery 18	V / 5.0 Ah, Li-lon (90 Wh)		RAL4		2	484
Makita quick-char	ger for 18 V Li-lon battery		LGL1		1	486
Earthing kit			EG1		1	
Carrying strap with	n shoulder padding		TG3		1	487
Remote control wit	th 1.5 m cable		HTA4		1	491
Plastic case			KKASSGL		1	
Plastic case for AS	SG105L and ASSG120SL		KKSSK120S		1	
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QUICK AND CLEAN.

Greenlee tools for punching - exactly the right solution for accurate operations. Extreme reliability quickly achieves a burr-free result.







Punching

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