

Remote controlled Bluetooth cutter Operation instructions



THORNE &
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1.0 Tool Overview

Battery Cutting Tool that can be operated remotely via a Bluetooth connection using the BTC2 remote pendant.

- ✓ When used in conjunction with slot together or telescopic operating rods the tool can be used for cutting applications at height. This offers benefits from carrying out this work from ground level.
- ✓ The tool can be manoeuvred into a convenient position to enable cutting of jumpers, conductor tail ends, contact wire, vegetation and debris on or in the vicinity of power lines.
- ✓ Each tool can be operated independently of the Bluetooth connection by removing the yellow tool collar and selecting manual mode via the integrated tool display. This allows the tool to be used as a hand held battery operated cutter.
- ✓ Each tool can only be connected to one pendant via a secure channel ensuring that once pairing is complete no other devices can see or operate the tool.
- ✓ A double positive click of the pendant is required to advance the tool ensuring that it is not operated inadvertently.
- ✓ The tool has a balanced centre of gravity making it easy to use even when operating remotely with insulated rods.
- ✓ The cutting head rotates through 330° ensuring that the user can position the tool correctly for a straight clean cut.
- ✓ The tool will automatically retract when a cutting cycle is completed.
- ✓ Nominal operating range for Bluetooth connection maximum 15m.
- ✓ The user can check various tool functions via the integrated information display and select remote/ manual mode (see page 14)
- ✓ An LED light gives workplace illumination.
- ✓ Available in Bosch or Makita battery platforms.

1.1 Variants

Three tool styles are available for cutting the following (on Bosch or Makita platforms) :-

1. **ES20RMCCFM-NWR (Makita)/ ES20RMCCFB-NWR (Bosch)**
for ACSR conductor up to 20mm dia, stainless steel dropper wire & copper contact wire
2. **ES32RMCCFM-NWR (Makita) / ES32RMCCFB-NWR (Bosch)**
for Copper & Aluminium conductor up to 32mm dia, and copper dropper wire
3. **ES50RMCCFM-NWR (Makita) / ES50RMCCFB-NWR (Bosch)**
for tree branches and other vegetation up to 50mm dia

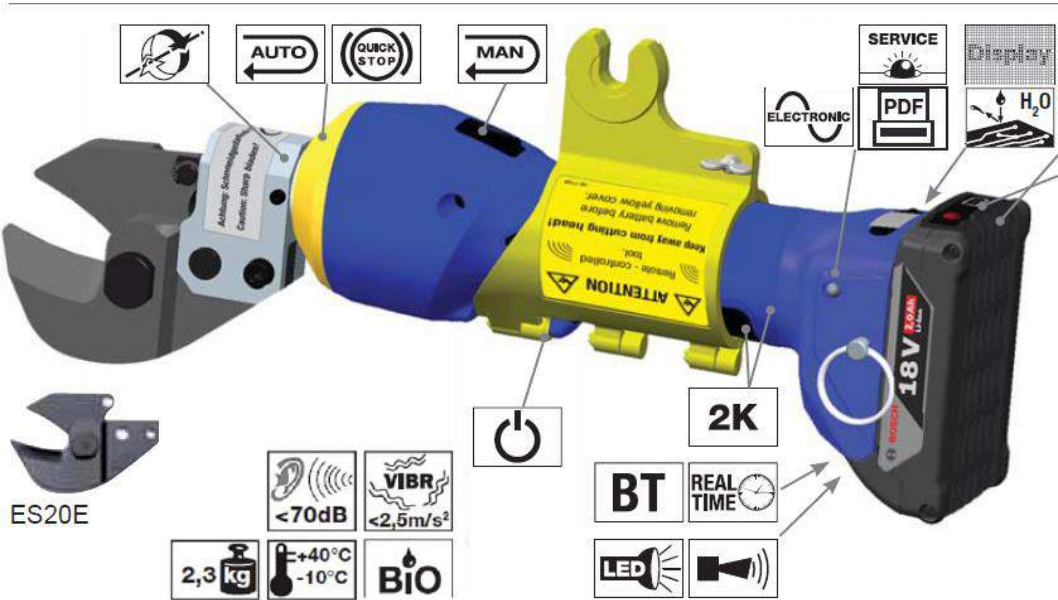


1.

2.

3.

1.2 Functions & dimensions



Icon Key:

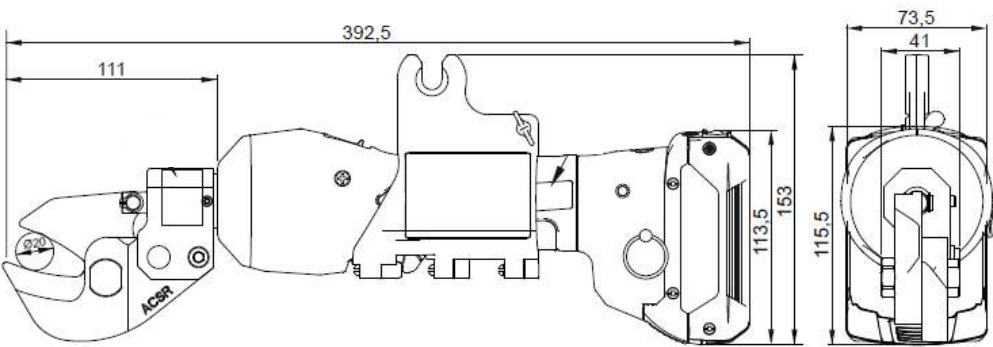
- Operation button
- Rotating head
- Automatic blade retraction
- Quick motor stop
- Manual retraction
- Electronic control
- LED Service indicator
- Download PDF certificate
- Integrated display
- Water resistant circuit board
- 2 Component grips
- Bluetooth
- Real time clock
- Torch function
- Audible alarm
- Operating temp.
- Tool weight
- Environmentally friendly oil
- Noise level
- Vibration level

WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this power tool.

Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.



Note: Dimensions based on ES20RMC version



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2.0 Kit Contents

1 x Cutting tool



1 x Yellow tool collar 1 x BTC2 Remote pendant



(required for attaching tool collar to operating rods)

2 x 18V Li-Ion batteries
Makita/ Bosch



1 x protective carry case



1 x mains battery charger (230V)













2.0 Kit Contents

2.1 Part Numbers / PAD references

Description	Manuf P/N	PAD Ref
Remote cutting kit with ES20 head (including all parts on page 6) on Makita battery platform	ES20RMCCFM-NWR	TBC
Remote cutting kit with ES32 head (including all other parts on page 6) on Makita battery platform	ES32RMCCFM-NWR	TBC
Remote cutting kit with ES50 head (including all other parts on page 6) on Makita battery platform	ES50RMCCFM-NWR	TBC
Remote cutting kit with ES20 head (including all parts on page 6) on Bosch battery platform	ES20RMCCFB-NWR	TBC
Remote cutting kit with ES32 head (including all other parts on page 6) on Bosch battery platform	ES32RMCCFB-NWR	TBC
Remote cutting kit with ES50 head (including all other parts on page 6) on Bosch battery platform.	ES50RMCCFB-NWR	TBC
Top rod adapter	HOR-P3625	TBC
Remote Bluetooth pendant	BTC2	TBC
Makita 18V Li-Ion battery	RAL1	TBC
Bosch 18V Li-Ion Battery	RALB1	TBC
Makita 230V mains charger	LGL1UK	TBC
Bosch 230V mains charger	LGLB1UK	TBC

3.0 Intended Use – Rail Industry

Sample No.	Image	Description	Tools		
					
			ES20	ES32	ES50
1		19 x 2.1 Cu			
2		19 x 7 x 0.711 Cu			
3		107, 120mm2 Contact Wire Cu			
4		19 x 3.2 Cu			
5		50mm2 Alfex (Orange Insul.)			
6		50mm2 Alfex (Blue Insul.)			
7		19 x 3.25 Al			
8		19 x 4.22 Al PVC Covered			
9		19 x 4.0 Al bare			
10		19 x 3.2mm Al bare			
11		Al/ Steel 7 strand (2 x St/ 5 x Al) AWAC			
12		Steel Rope 19 x 1.6mm	Not Suitable		
13		Steel Bridal rope 0.7mm strands	Not Suitable		
14		Steel dropper wire 8mm			
15		Steel dropper wire 4mm			
16		tree branches up to 50mm diameter			

Note:

The remote cutter can be used on various conductors up to 20mm diameter (for ES20 model)/ 32mm dia (for ES32 model)

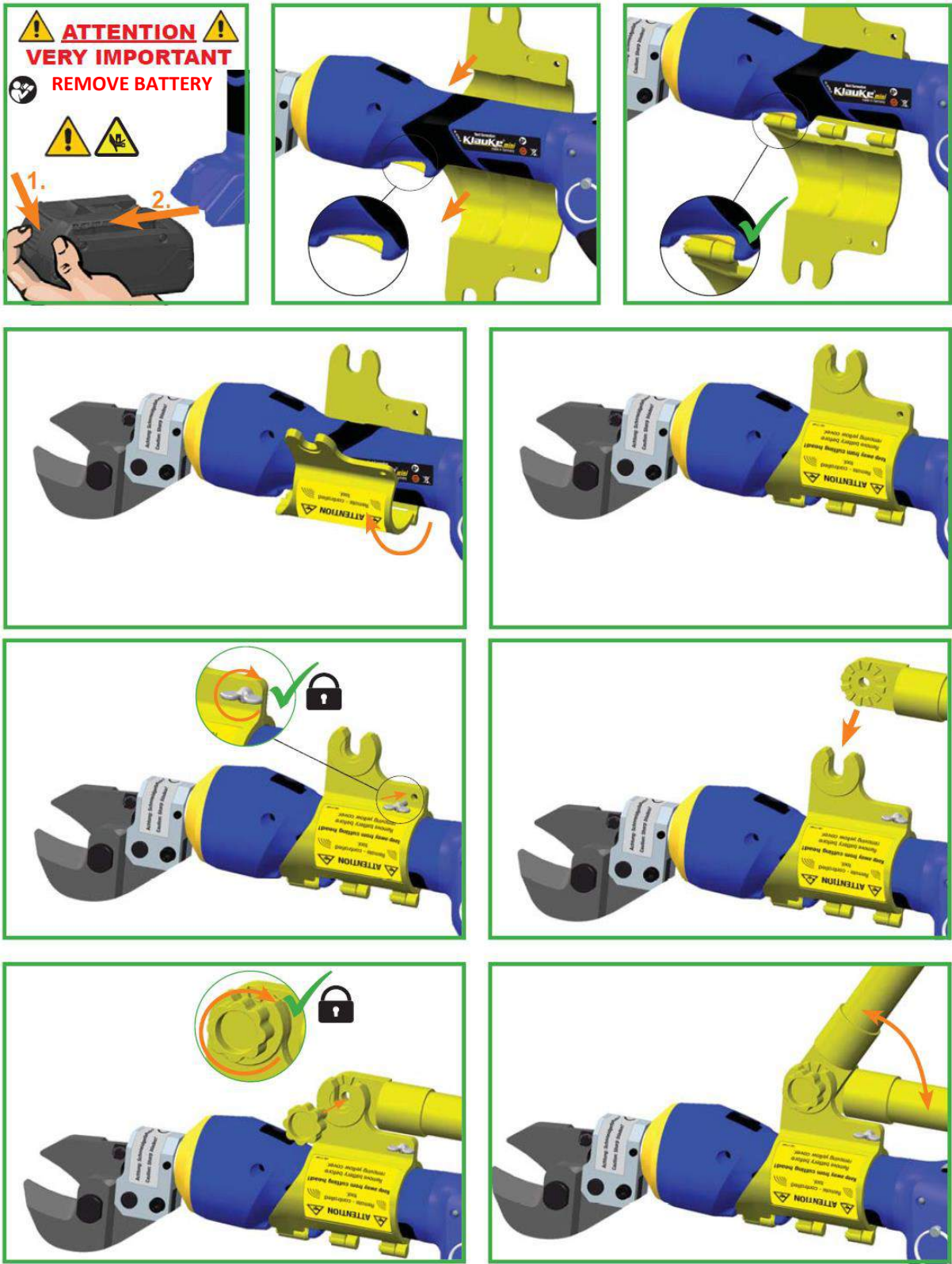
The ES20 has a flat guillotine blade and can be used on harder materials including AWAC.

The ES32 has a sharp blade and is only suitable for Cu and Al materials.

The ES50 is designed for tree clearing branches up to 50mm dia.

Please refer to the chart on this page for typical rail industry applications per tool.

4.0 Operating Procedure
4.1 Fitting the tool collar



4.2 Charging the battery

A fully charged battery should be used where possible. Charging times will vary depending on the Ah rating of the battery. Typical charging times are shown in the table below for 18v Li-Ion Bosch batteries between 0-45°C



Battery Capacity	80%	100%
1.3 Ah	10 mins	25 mins
1.5 Ah	10 mins	25 mins
2.0 Ah	15 mins	30 mins
2.6 Ah	15 mins	30 mins
3.0 Ah	20 mins	35 mins
4.0 Ah	25 mins	35 mins
5.0 Ah	35 mins	45 mins
6.0 Ah	35 mins	50 mins

4.3 Pairing remote control pendant

4.3.1 Insert Battery

With the yellow tool collar already fitted, insert a fully charged battery to the tool.



4.3.2 Press the remote pendant advance, then confirm on screen.

Within a 2m radius of the tool, press the forward button on the remote pendant. The tool will recognise the remote pendant (beep) and will then request via the integrated tool screen if the detected pendant should be paired. Select 'yes' via the screen toggle button. The tool will beep twice - this will then complete pairing.



Forwards



Select

NOTE:
















Only 1 pendant can be connected to the tool. Once pairing is complete, a secure channel is created so no other devices can connect.

4.3 Pairing the remote control pendant (cont.)

4.3.3 Pairing time-out

The tool will automatically shutoff after an inactive period of:

- 15 mins during the pairing process.
- 30 mins after the remote has been paired.
- A series of audible and visual warnings are given before auto shutoff occurs – see below:

DISPLAY					
					
auto shutoff in 14:59 min.	RC PAIRING	after 10:00 min.	--		
	RC PAIRING	after 13:30 min.	--		
auto shutoff in 29:59 min.	RC CONNECTED	after 25:00 min.	--		
	RC CONNECTED	after 28:30 min.	--		



4.3.4 Automatic Jaw opening

If for any reason the cutting cycle is not completed, with no further activation, the jaws will automatically open at 30 secs.

If for any reason the tool loses contact with the remote pendant and does not reconnect within 20 secs, the jaws will automatically open to allow the tool to be lowered safely to the ground.

4.4 Operating the cutting jaws – Remote operation

When the pendant is connected successfully the screen background will flash black & white and display 'RC Connected' and the tool LED torch will illuminate.

To operate the tool:-

- Ensure you are within a 15m range of the tool
- Press the rocker switch on the pendant forwards (image) **with a rapid double-click movement**
- The button must continue to be depressed for the blades to close fully.
- The blades will automatically open when the button is released, full pressure has been achieved or if the material to be cut is too hard.



NOTE:

The 'double-click' operation has been designed into the tool to prevent accidental operation.



4.5 Operating the cutting jaws – Manual operation

To operate the tool as a manual cutter:-

- Remove the battery
- Remove the yellow tool collar
- Insert a fully charged battery
- Operate trigger momentarily to activate tool – Klauke logo will be visible on the screen
- Scroll through user menu and select 'CURRENT USER' . Depress both buttons either side of the screen until the selection is highlighted. Scroll to 'USER2 DOUBLE CLICK' and press operation trigger to store selection.
- The tool is now in manual mode and can be used by depressing the yellow tool trigger **with a rapid double-click movement**.

To return the tool to remote operation:-

- Remove the battery
- Fit the yellow tool collar
- Insert a fully charged battery – the battery status indicator will be displayed
- Scroll through user menu and select 'CURRENT USER2'. Depress both buttons either side of the screen until the selection is highlighted. Scroll to 'REMOTE CONTROL' and press both buttons either side of the screen to store selection.
- The white LED will flash and the tool is now in remote mode.
- See page 11 (from 4.3.2) for pairing remote pendant.

4.6 Releasing the cutting jaws

To open the cutting jaws:-

Either

- Press the rocker switch on the pendant to the back position (image) **with a single-click movement**
- This will operate the release valve within the tool and the blades will return to the home position.

or

- The blades will automatically open when full pressure has been reached or the cutting cycle has been completed.

or









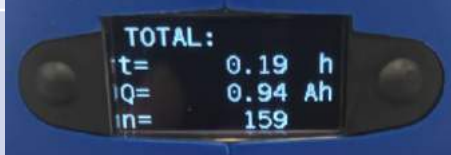


- Pull down the large black manual pressure release lever on the rear of the tool (opposite side to the operation trigger)



5.0 Integrated Tool Display

5.1 Overview

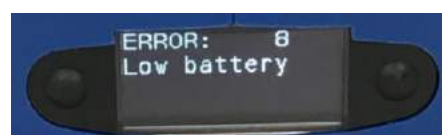
The tool features an interactive information screen where the user can check Bluetooth connection, number of cuts completed, battery charge level and when the next service is due. There is a menu system and selection buttons either side of the screen.

Image	Push	Description
		Current user profile selected
		Push and hold both buttons for 3 secs to highlight
		Push left button to toggle through options – leave for 3 secs to store
		Number of operations / number of days until next service due
		t = time used Q = Ah used n = number of operations
		Battery charge status

5.2 Error Codes

In the event of an error the tool will indicate via audible and visual means (i.e. beeper/ flashing red & white LEDs). This will draw the users attention to the tool where an error code will be displayed on the screen along with an error message. If necessary please contact Klauke UK Authorised Service Centre (see page 18)

Error Code	Description
1	Overcurrent – fuse
2	Overcurrent – comparator
3	Overheat – board
4	Overheat – battery
5	Battery empty – operation stop
6	Low pressure – motor in operation
7	Low pressure – motor not in operation
8	Low Battery
9	Battery empty
10	RTC battery low (remote pendant)
11	Tool deactivated
12	Service necessary
13	RTC not found (remote pendant)
14	BT unit not found
15	Mobile unit not found
16	Pressure sensor not found
17	Burst pressure exceeded
18	Battery temp too low



6.0 Servicing & Repairs

The tool is recommended to have an inspection every 12 months or 10,000 operations whichever comes first, and a full service every 3 years.

All servicing and repairs can only be carried out by a Klauke Authorised Service Centre.

Return Address:-



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Under no circumstances should any attempt be made to service or repair any parts within the kit.



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7.0 CE Certification - Tool

(D) CE-16 - Konformitätserklärung. Wir erklären in alleiniger Verantwortlichkeit, daß dieses Produkt mit den folgenden Normen oder normativen Dokumenten übereinstimmt:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 gemäß den Bestimmungen der Richtlinien 2006/42/EG, 2014/30/EG, 2011/65/EU

(GB) CE-16 - Declaration of conformity. We declare under our sole responsibility that this product is in conformity with the following standards or normative documents:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 in accordance with the regulations of directives 2006/42/EG, 2014/30/EG, 2011/65/EU

(F) CE-16 - Déclaration de conformité. Nous déclarons sous notre seule responsabilité que ce produit est en conformité avec les normes ou documents normatifs suivants:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 conformément aux réglementations des directives 2006/42/EG, 2014/30/EG, 2011/65/EU

(NL) CE-16 - Konformiteitsverklaring. Wij verklaren en wij stellen ons er alleen voor verantwoordelijk dat dit produkt voldoet aan de volgende normen of normatieve documenten:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 overeenkomstig de bepalingen van de richtlijnen 2006/42/EG, 2014/30/EG, 2011/65/EU

(P) CE-16 - Declaração de conformidade. Declaramos sob nossa exclusiva responsabilidade que este producto cumple as seguintes normas ou documentos normativos:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 conforme as disposições das directivas 2006/42/EG, 2014/30/EG, 2011/65/EU

(PL) CE-16 - Zgodność z dyrektywami CE. Świadom odpowiedzialności oświadczamy, że niniejszy produkt jest zgodny z następującymi normami lub dokumentacją normatywną:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 zgodnie z postanowieniami wytycznych 2006/42/EG, 2014/30/EG, 2011/65/EU

(GR) CE-16 - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ Με αναληψη συνολικης δηλωνομε: οτι το πορον προιον συμφωνει με τα παρακατω ποστυπα και με τα ηροτυπα ηου αναφερονται στα σχεπικο εγγραφα

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 σύμφωνα με τοxς κοινοτισμους 2006/42/EG, 2014/30/EG, 2011/65/EU

(H) CE-16 – Megfelelőségi nyilatkozat. Kéziműködtetésű elektromos kéziszerszámok:

Teljes felelősséggel kijelentjük, hogy ezek a termékek a következő szabványokkal és irányelvekkel összhangban vannak: EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037; és megfelelnek a rendeltetés szerinti 2006/42/EG, 2014/30/EG, 2011/65/EU irányelveknek.

(CZ) CE-16 – Prohlášení o shodě. Prohlašujeme na vlastní zodpovědnost, že tyto produkty splňují následující normy nebo normativní listiny:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037; Ve shodě se směrnicemi 2006/42/EG, 2014/30/EG, 2011/65/EU

(N) CE-16 - Konformitetserklæring. Vi erklærer på eget ansvarlighet at dette produkt er i overensstemmelse med følgende standarder eller standard-dokumenter:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 i henhold til bestemmelsene i direktive ne 2006/42/EØF, 2004/108/EØF, 2011/65/EU

(E) CE-16 - Declaración de conformidad. Declaramos bajo nuestra sola responsabilidad que este producto está en conformidad con las normas o documentos normativos siguientes:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 de acuerdo con las regulaciones de las directivas 2006/42/EG, 2014/30/EG, 2011/65/EU

(I) CE-16 - Dichiarazione di conformità. Dichiariamo sotto la nostra esclusiva responsabilità che questo prodotto è conforme alle seguenti norme e documenti normativi:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 conformemente alle disposizioni delle direttive 2006/42/EG, 2014/30/EG, 2011/65/EU

(DK) CE-16 - Konformitetserklæring. Vi erklærer under almindeligt ansvar at dette produkt er i overensstemmelse med følgende normer eller normative dokumenter:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 i henhold til bestemmelsene i direktiverne 2006/42/EØF, 2004/108/EØF, 2011/65/EU

(FIN) CE-16 - Todistus standardinmukaisuudesta. Asiasta vastaavana todistamme täten, että tämä tuote on seuraavien standardien ja standardoimisasiakirjojen vaatimusten mukainen:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 ja vastaa säädöksiä 2006/42/EG, 2014/30/EG, 2011/65/EU

(S) CE-16 - Konformitetsdeklaration. Vi förklarar på eget ansvar att denna produkt överensstämmer med följande normer eller normativa dokument:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 enligt bestämmelserna i direktiverna 2006/42/EG, 2014/30/EG, 2011/65/EU

(SK) CE – Prehlásenie o zhode. Prehlasujeme na vlastnú zodpovednosť, že tieto produkty sú v súlade s nasledovnými normami:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037 a v zhode so smernicami 2006/42/EG, 2014/30/EU, 2011/65/EU

(RO) CE-16 - Declarație de conformitate. Noi declarăm pe propria răspundere că acest produs este în conformitate cu următoarele norme și documente normative:

EN 62841-1, EN ISO 12100, EN ISO 13857, EN 349, EN 60204-1, EN 28662-1, EN 61000-6-3, EN 61000-6-2, EN 60529, EN 1037; potrivit dispozițiilor directivelor 2006/42/EG, 2014/30/EG, 2011/65/EU

(SLO) CE-16 - Izjava o skladnosti. S tem potrjujemo splošno odgovornost, da je ta izdelek narejen v skladu z navedenimi normami in standardi:

EN 62841-1; EN ISO 12100; EN ISO 13857 ; EN 349; EN 60204-1; EN 28662-1; EN 61000-6-3; EN 61000-6-2; EN 60529; EN 1037; ter določbami in smernicami 2006/42/EG, 2014/30/EU, 2011/65/EU

Remscheid, den 02.05.2016

7.0 CE Certification - Bluetooth

(D) CE - Konformitätserklärung. Wir erklären in alleiniger Verantwortlichkeit, daß dieses Produkt mit den folgenden Normen oder normativen Dokumenten übereinstimmt:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

gemäß den Bestimmungen der Richtlinien 2014/53/EU, 2011/65/EU

(GB) CE - Declaration of conformity. We declare under our sole responsibility that this product is in conformity with the following standards or normative documents:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

in accordance with the regulations of directives 2014/53/EU, 2011/65/EU

(F) CE - Déclaration de conformité. Nous déclarons sous notre seule responsabilité que ce produit est en conformité avec les normes ou documents normatifs suivants:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

conformément aux réglementations des directives 2014/53/EU, 2011/65/EU

(NL) CE - Konformiteitsverklaring. Wij verklaren en wij stellen ons er alleen voor verantwoordelijk dat dit produkt voldoet aan de volgende normen of normatieve documenten:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

overeenkomstig de bepalingen van de richtlijnen 2014/53/EU, 2011/65/EU

(I) CE - Dichiarazione di conformità. Dichiariamo sotto la nostra esclusiva responsabilità che questo prodotto è conforme alle seguenti norme e documenti normativi:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

conformemente alle disposizioni delle direttive 2014/53/EU, 2011/65/EU

(E) CE - Declaración de conformidad. Declaramos bajo nuestra sola responsabilidad que este producto está en conformidad con las normas o documentos normativos siguientes:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

de acuerdo con las regulaciones de las directivas 2014/53/EU, 2011/65/EU

(P) CE - Declaração de conformidade. Declaramos sob nossa exclusiva responsabilidade que este producto cumpre as seguintes normas ou documentos normativos:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

conforme as disposições das directivas 2014/53/EU, 2011/65/EU

(S) CE - Konformitetsdeklaration. Vi förklarar på eget ansvar att denna produkt överensstämmer med följande normer eller normativa dokument:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

enligt bestämmelserna i direktiverna 2014/53/EU, 2011/65/EU

(FIN) CE - Todistus standardimukaisuudesta. Asiasta vastaavana todistamme täten, että tämä tuote on seuraavien standardien ja standardoimisasiakirjojen vaatimusten mukainen:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

ja vastaa säädöksiä 2014/53/EU, 2011/65/EU

(N) CE - Konformitetserklæring. Vi erklærer på eget ansvarlighet at dette produkt er i overensstemmelse med følgende standarder eller standard-dokumenter:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

i henhold til bestemmelsene i direktive ne 2014/53/EU, 2011/65/EU

(DK) CE - Konformitetserklæring. Vi erklærer under almindeligt ansvar at dette produkt er i overensstemmelse med følgende normer eller normative dokumenter:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

i henhold til bestemmelserne i direktivene 2014/53/EU, 2011/65/EU

(PL) CE - Zgodność z dyrektywami CE. Świadomi odpowiedzialności oświadczamy, że niniejszy produkt jest zgodny z następującymi normami lub dokumentacją normatywną:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

zgodnie z postanowieniami wytycznych 2014/53/EU, 2011/65/EU

(GR) CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ Με αναληψη συνολικης δηλωνομε, οτι το πορον προιον συμφωνει με τα παρακατω ποστυπα και με τα προτυπα ηου αναφερονται στα σχεπηκο εγγραφα

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

συμφωνα με τοχς κονονισμους 2014/53/EU, 2011/65/EU

(H) CE – Megfelelősségi nyilatkozat. Kéziműködtetési elektromos kéziszerszámok:

Teljes felelősséggel kijelentjük, hogy ezek a termékek a következő szabványokkal és irányelvekkel összhangban vannak:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

és megfelelnek a rendeltetés 2014/53/EU, 2011/65/EU irányelveknek.

(CZ) CE – Prohlášení o shodě. Prohlašujeme na vlastní zodpovědnost, že tyto produkty splňují následující normy nebo normativní listiny:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

Ve shodě se směrnicemi 2006/42/EEC, 2004/108/EEC, 2011/65/EU

(RO) CE-Declarație de conformitate. Noi declarăm pe propria răspundere că acest produs este în conformitate cu următoarele norme și documente normative:

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

potrivit dispozițiilor directivelor 2014/53/EU, 2011/65/EU

(SLO) CE - Izjava o skladnosti

S tem potrjujemo splošno odgovornost, da je ta izdelek narejen v skladu z navedenimi normami in standardi

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

ter določbami in smernicami 2014/53/EU, 2011/65/EU

(HR) CE - Izjava o sukladnosti. Pod punom odgovornošću

izjavljujemo da je proizvod naveden u naslovu ovog dokumenta sukladan sa primijenjenim normama i normativnim dokumentima :

EN 60950-1, EN 301489-1, EN 301489-17, EN 300328 V2.1.1, EN 62479

u skladu sa odredbama preporuka 2014/53/EU, 2011/65/EU

Remscheid, den 02/06/2016



Joh.-Christoph Schütz

Dipl.-Ing. Joh.-Christoph Schütz, CE-Beauftragte