

LUKAS





DISCOVER
THE NEXT  **CONNECT**
DIMENSION

GET CONNECTED TO THE FUTURE OF SAVING LIVES.

LUKAS e³ CONNECT features smart sensors and IoT-exchange with the Captium™ service platform. With technical reports, safety analyses and the full overview of all devices. For more operational readiness – than ever before.

- Optimized maintenance management
- Maximized device readiness
- Longer service life

Any. Time. Ready.

SALTWATER

POWER

STAR GRIP

FEATURES



SALTWATER

With the blue LUKAS e³ battery, rescue operations in saltwater at depths of 3 m for up to 60 minutes are no longer an issue. The saltwater icon will illuminate on the dashboard to confirm that a saltwater-compatible battery has been inserted.



TURBO

To work even faster, the e³ series has a turbo mode that can be easily controlled via the star grip. The user can activate turbo mode by fully activating the star grip all the way to the right. The matching icon on the dashboard remains illuminated as long as the tool is being used in turbo mode.



POWER

The power indicator scale shows the pressure range the tool is operating in during use and provides information about the remaining power resources.



CAPACITY

The rescue tool communicates with the LUKAS rescue battery via built-in software and provides the user with information about the battery's remaining capacity. The charge level indicator is used to simplify monitoring of the battery's remaining capacity and ensures that the user can swap out the battery in a timely manner.



ROLL WARNING

If the rescue tool detects an excessive angle change against the cutting direction, e.g. due to incorrect application of the tool, the color of the blue illuminated on/off button changes to red, prompting the user to adjust the angle and handle the rescue tool correctly. The user can now reposition the rescue tool – avoiding a hazardous situation and, as a result, not only working more efficiently, but also protecting the victim and themselves.



STAR GRIP

When the star grip is turned, the respective direction indicator lights up as long as the grip is turned in this direction. It shows the user at the moment of the work step whether the device is currently opening or closing.



TEMPERATURE

The temperature indicator alerts the user to the possibility of the tool overheating.



WIFI

All e³ CONNECT devices are WIFI enabled. Once the setup is completed, the e³ CONNECT device connects to the router and transmits the collected data immediately. The upload process can work entirely automatically or alternatively by manual activation.

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ON/OFF BUTTON

TEMPERATURE

ROLL WARNING

TURBO

CAPACITY

WIFI



DATA TRANSMISSION

The transfer of data from the devices to the Captium™ database happens automatically. This is possible due to the WIFI capability of the new e³ CONNECT devices. All our customers need to do, is to connect to either a WIFI/LTE router or a hotspot created by a mobile device.

Once the initial connection has occurred, the tools connect automatically after collecting the data with the receiver and transfer the data to the cloud. The devices can save up to ten different routers and will always prioritize the connection with the strongest signal. The data is then processed by our own web-based database – Captium™ – developed in cooperation with Microsoft.



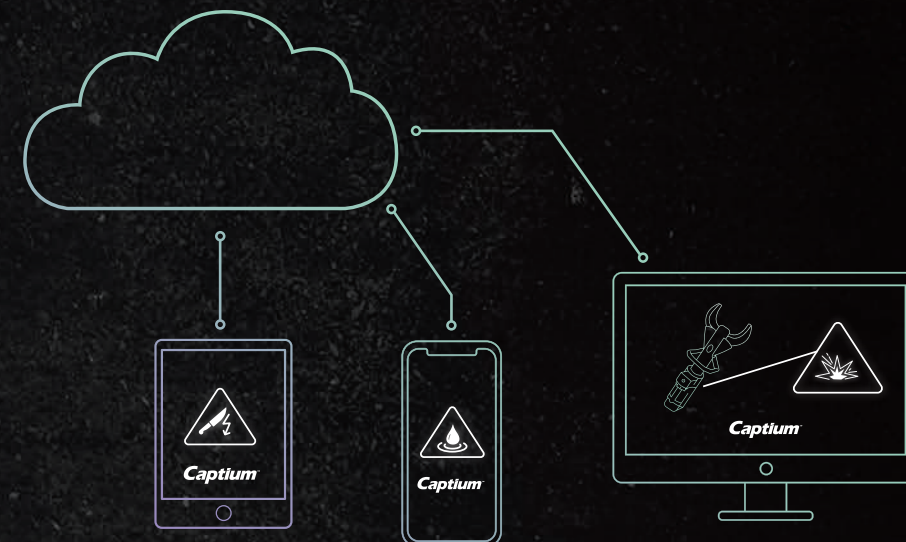
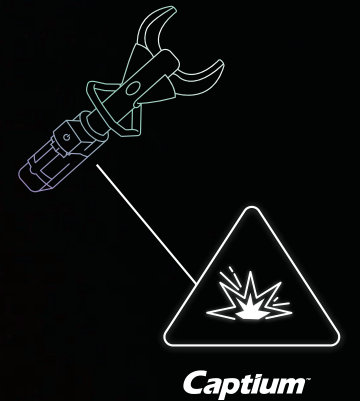
OPTIMIZED DEVICE MANAGEMENT

In the future, Captium™ will provide our customers with a holistic visual overview of the whereabouts and the condition of their devices. The so-called LOCATOR, marks on the map the location where the devices have last transmitted data and also provides information on the readiness of the respective tool. It enables our customers to react quickly to any malfunctions or failures. By updating the device management in Captium in real time your fleet management will be more effective and efficient.



EARLY ERROR DETECTION

Our e³ CONNECT devices offer the unique possibility to send alerts to our customers in cases of malfunctions during the next data transmission of the devices. These alerts are initially sent to the Captium™ database whilst the responsible service representative is also directly informed about the failure via an email. The Captium™ alerts cover a huge range of potential malfunctions. These include but are not limited to: tools detecting and reporting on severe vibrations in the device, possible damage to the blades, faults in the electronics or motor, a low battery performance or the advice to flush the device through after salt water use. Thanks to the highly efficient error detection system and maintenance support, the customer is always equipped with a fully functional device.



INTEGRATED SERVICE WORKFLOW

With Captium™, we make the maintenance process easier for our customers. This is made possible by our database embedded device service. It informs our customers about upcoming intervals, schedules appointments with their respective service partner and takes over the documentation of the maintenance service performed.



CUTTING TOOLS



▶ S 378 e³
CONNECT



▶ S 789 e³
CONNECT



▶ S 799 e³
CONNECT



Cutting force up to	760 kN	1100 kN	1376 kN
Cuts round steel up to	33 mm	42 mm	45 mm
Cutter opening	202 mm	205 mm	204 mm
Dimensions	846 × 235 × 253 mm	912 × 266 × 253 mm	930 × 265 × 253 mm
Weight	18.4 kg	22.4 kg	24.9 kg
NFPA cutter ratings	A7/B8/C7/D8/E8/F4	A8/B9/C8/D9/E9/F5	A9/B9/C9/D9/E9/F5
EN cutter ratings	I	K	K
EN cutting capacity	1I-2J-3K-4J-5J	1K-2K-3K-4K-5K	1K-2K-3K-4K-5K
IP rating	IP 58	IP 58	IP 58
Article number	93-20-24	93-20-44	93-20-43

► **SP 333 e³
CONNECT**

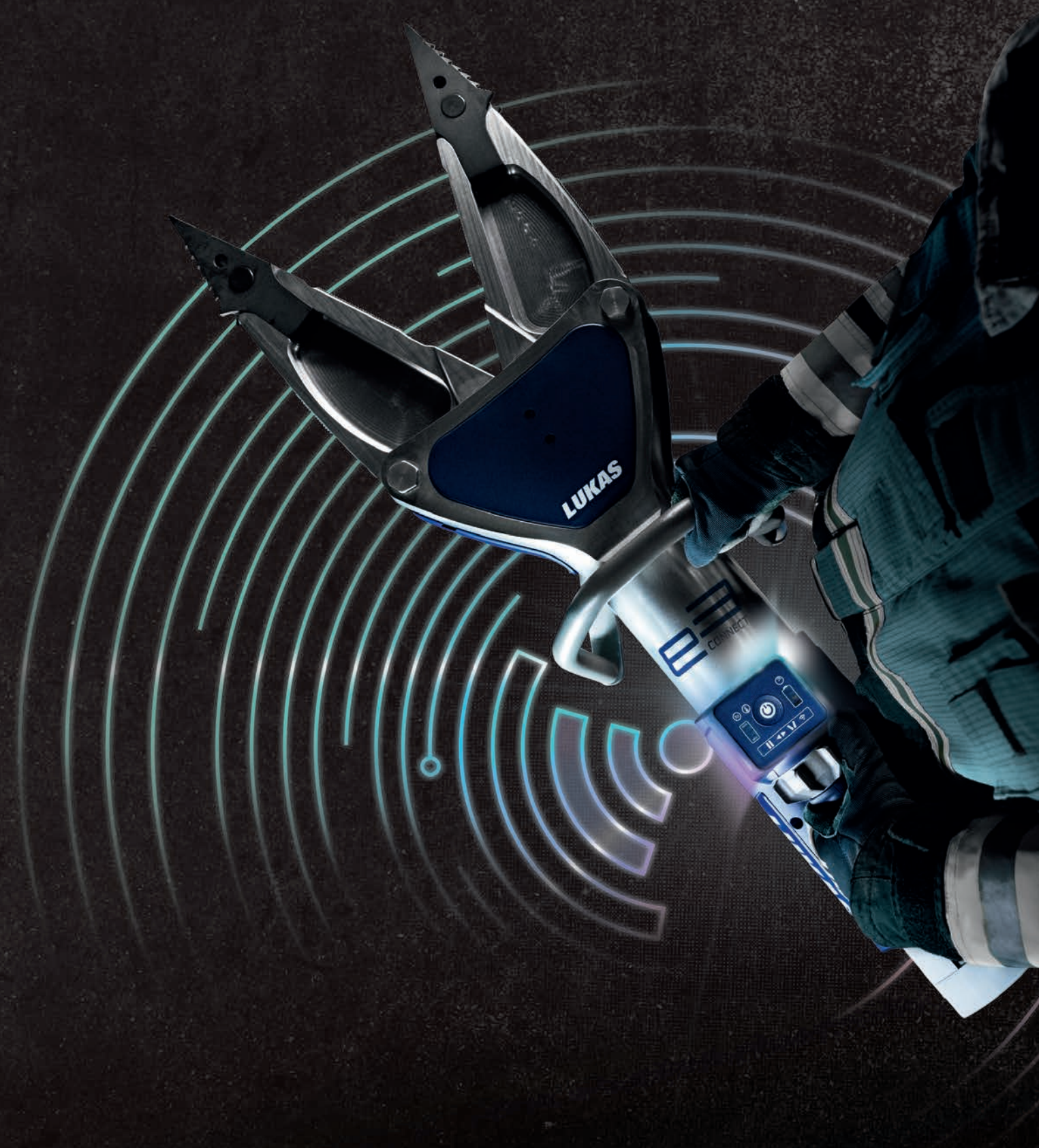
► **SP 555 e³
CONNECT**

► **SP 777 e³
CONNECT**



Spreading force up to	836 kN	658 kN	600 kN
Spreading force 25 mm inward tip (EN)	42 kN	52 kN	63 kN
Spreading distance	600 mm	730 mm	813 mm
Squeezing force up to	144 kN	115 kN	122 kN
Pulling force	56 kN	58 kN	60 kN
Pulling distance	440 mm	569 mm	655 mm
Dimensions	823 × 256 × 253 mm	923 × 265 × 253 mm	997 × 309 × 253 mm
Weight	17.1 kg	19.9 kg	23.4 kg
IP rating	IP 58	IP 58	IP 58
Article number	93-10-13	93-10-23	93-10-31

SPREADERS



COMBI TOOLS



► SC 258 e³
CONNECT

► SC 358 e³
CONNECT

► SC 758 e³
CONNECT



Cutting force up to	280 kN	492 kN	885 kN
Cuts round steel up to	26 mm	35 mm	40 mm
Spreading force up to	700 kN	1,500 kN	1,500 kN
Spreading force 25 mm inward tip (EN)	32 kN	38 kN	43 kN
Spreading distance	321 mm	368 mm	475 mm
Pulling force up to	34 kN	61 kN	94 kN
Pulling distance	330 mm	382 mm	340 mm
Dimensions	792 × 210 × 253 mm	876 × 235 × 253 mm	987 × 266 × 253 mm
Weight	14.4 kg	18.4 kg	24 kg
NFPA cutter ratings	A6/B6/C6/D7/E7/F4	A7/B8/C7/D8/E7/F4	A8/B9/C9/D9/E9/F5
EN cutter ratings	F	I	J
EN cutting capacity	1G-2F-3F-4F-5G	1I-2J-3I-4J-5J	1J-2K-3K-4K-5K
IP rating	IP 58	IP 58	IP 58
Article number	93-30-14	93-30-23	93-30-35

➤ R 320 e³
CONNECT

➤ R 520 e³
CONNECT

➤ R 521 e³
CONNECT

➤ R 522 e³
CONNECT



Extended length	640 mm	1126 mm	1359 mm	1503 mm
Piston stroke of piston 1	164 mm	325 mm	403 mm	451 mm
Lifting force of piston 1	127 kN	127 kN	127 kN	127 kN
Piston stroke of piston 2	136 mm	299 mm	377 mm	425 mm
Lifting force of piston 2	60 kN	60 kN	60 kN	60 kN
Total lift	300 mm*	624 mm	780 mm	876 mm
Dimensions	340 × 200 × 326 mm	502 × 140 × 327 mm	579 × 140 × 327 mm	627 × 140 × 327 mm
Weight	13.2 kg	17.2 kg	19 kg	20.3 kg
IP rating	IP 58	IP 58	IP 58	IP 58
Article number	93-40-13	93-45-13	93-45-11	93-45-12



RESCUE
RAM

* Extension set sizes 50 mm / 150 mm / 270 mm

RESCUE BATTERIES



▶ 5 Ah



▶ 9 Ah



▶ 9 Ah
SALTWATER



Dimensions	176 × 97 × 70 mm	176 × 97 × 89 mm	176 × 97 × 89 mm
Rated voltage	25.2VDC	25.2VDC	25.2VDC
Capacity	5.0Ah	9.0Ah	9.0Ah
Energy	126Wh	227Wh	227Wh
Charging time	1.5 hours	2.5 hours	2.5 hours
Weight	1.2 kg	1.6 kg	1.6 kg
Article number	90-53-14	90-53-15	90-53-18



THE NEW LUKAS SERIES

CUTTING
TOOLS



SPREADERS



COMBI
TOOLS



RESCUE
RAM



You can count on the **IDEX FIRE & SAFETY FAMILY!**



LUKAS



HURST
JAWS OF LIFE



GODIVA



AKRON
BRASS COMPANY

IDEX
INDIA

WELDON
A DIVISION OF AKRON BRASS

What do you need for your rescue operations?

Get in touch with us, we look forward to assisting you.

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