

LUKAS

RESCUE

**SAVE TIME.
SAVE LIVES.**

Rescue tools
that save lives.



RESCUE CATALOGUE

Innovative solutions, safe designs and
powerful technology – developed to
function reliably at crucial moments.

The complete
e³ CONNECT series

**ALWAYS
READY**



ENGINEERING OF FIRE FOR THOSE TOWARDS

TO KEEP
US SAFE

BECAUSE YOU NEVER
GET A SECOND CHANCE

THE FUTURE AND RESCUE WHO RUN DANGER



CUTTER RANGE
[FROM PAGE 10](#)



SPREADER RANGE
[FROM PAGE 12](#)

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LATEST DEVELOPMENTS

THE e³ CONNECT SERIES FEATURES SMART SENSORS AND AN IoT CONNECTION TO THE CAPTIUM™ SERVICE PLATFORM.

ALWAYS READY WITH e³ CONNECT FROM PAGE 6



LATEST DEVELOPMENTS

THE LUKAS SP775 e³ CONNECT IS THE NEW CLASS LEADING SPREADER WITH AN 800 MM OPENING, A MINIMUM SPREADING FORCE OF 50 KN AND ALL UNDER 20 KG.

SPREADER RANGE FROM PAGE 13

e³ CONNECT FUTURE OF HAS

CHAPTER 1
e³ CONNECT
SERIES

— THE LIFESAIVING BEGUN

LUKAS e³ CONNECT HAS SMART SENSORS WITH AN IoT CONNECTION TO THE CAPTIUM™ SERVICE PLATFORM. WITH TECHNICAL REPORTS, SECURITY ANALYSES AND A COMPLETE OVERVIEW OF ALL DEVICES. FOR MORE OPERATIONAL READINESS THAN EVER BEFORE.

- OPTIMISED MAINTENANCE MANAGEMENT
- MAXIMISED DEVICE READINESS
- LONGER SERVICE LIFE



ALWAYS READY

1. TRANSMISSION OF DATA

THE e³ CONNECT DEVICES AUTOMATICALLY TRANSFER DATA TO THE CAPTIUM™ DATABASE VIA WIFI OR HOTSPOTS. AFTER THE INITIAL CONNECTION, THE DEVICES AUTOMATICALLY CONNECT TO THE STRONGEST AVAILABLE SIGNAL. UP TO EIGHT ROUTERS CAN BE STORED. THE DATA IS PROCESSED IN THE CLOUD AND MADE AVAILABLE TO USERS VIA THE WEB-BASED CAPTIUM™ PLATFORM.

2. EARLY FAULT DETECTION

IN THE EVENT OF FAULTS, THE DEVICES SEND WARNINGS TO CAPTIUM™ AND BY EMAIL TO THE RELEVANT SERVICE EMPLOYEE. THESE WARNING MESSAGES COVER A VARIETY OF POTENTIAL PROBLEMS SUCH AS VIBRATIONS, DAMAGE TO BLADES OR ELECTRICAL FAULTS. PRECISE FAULT DETECTION MAKES IT POSSIBLE TO PREVENT FAILURES AT AN EARLY STAGE AND ENSURE THE OPERATIONAL READINESS OF THE DEVICES.

3. OPTIMISED DEVICE MANAGEMENT

CAPTIUM™ PROVIDES A CLEAR VISUALISATION OF THE LOCATION AND STATUS OF ALL DEVICES. THE LOCATOR SHOWS THE LAST TRANSMISSION LOCATION AND THE OPERATIONAL READINESS OF EACH DEVICE. REAL-TIME UPDATES MEAN THAT FAULTS OR FAILURES CAN BE RECTIFIED QUICKLY, MAKING DEVICE MANAGEMENT MORE EFFICIENT AND FLEXIBLE.

4. INTEGRATED SERVICE PROCESS

CAPTIUM™ SIMPLIFIES THE MAINTENANCE PROCESS WITH INTEGRATED FUNCTIONS SUCH AS INTERVAL NOTIFICATIONS, SCHEDULING WITH SERVICE PARTNERS AND DOCUMENTATION OF COMPLETED MAINTENANCE. THIS ENSURES SEAMLESS TRACKING AND MAKES THE LONG-TERM CARE OF THE DEVICES EASIER.

5. SELF-TEST

ALL e³ CONNECT DEVICES COME WITH A SELF-TEST FUNCTION. WHEN THE STAR GRIP IS USED TO ACTIVATE THE TEST MODE, THE USER RECEIVES INFORMATION ABOUT THE OPERATIONAL CAPABILITY OF THE RESCUE DEVICE.

6. GEOFENCING

DO YOU WANT TO BE SURE THAT YOUR RESCUE DEVICE IS IN THE RIGHT HANDS? NO PROBLEM WITH THE e³ CONNECT GEOFENCING FUNCTION. THIS ADVANCED FEATURE IS CONTROLLED BY A BUILT-IN GPS TRANSMITTER AND WIFI DETECTION. THE SWITCH-OFF FUNCTION ENSURES THAT THE DEVICE REMAINS IN AUTHORISED HANDS.



WIFI



AUTOMATIC OR MANUAL DATA TRANSFER TO THE CAPTIUM™ SERVICE PLATFORM.

POWER



VISUAL INDICATION OF TOOL PRESSURE DURING OPERATION, MAXIMISING SAFETY.

SALT WATER



RESCUE WORK IS NOW POSSIBLE IN SALT WATER UP TO A DEPTH OF 3 METRES.

TURBO



THE e³ SERIES HAS A TURBO FUNCTION FOR INCREASED SPEED'.

TEMPERATURE



THE TEMPERATURE DISPLAY ALERTS THE USER TO THE POSSIBILITY OF THE DEVICE OVER-HEATING IN THE EVENT OF AN EXTREME LOAD.

ROLL WARNING



INDICATOR LIGHT WARNS THE USER OF THE NEED TO REPOSITION TO TOOL TO PREVENT ROLLING.

CAPACITY



VISUAL INDICATION OF REMAINING CAPACITY OF THE RECHARGABLE BATTERY, ENSURING MINIMUM INTERRUPTION OF OPERATIONS.

STAR GRIP



A DIRECTION INDICATOR SHOWS WHETHER THE DEVICE IS CURRENTLY OPENING OR CLOSING.

PRECISION GEOMETRY, UNCOMPROMISING PERFORMANCE

e³ CONNECT CUTTERS



PRECISE OPERATION IN CHALLENGING SITUATIONS. INNOVATIVE STAR GRIP DESIGN ELIMINATES THE NEED FOR WRIST ROTATION, ENHANCING CONTROL, ERGONOMICS, AND SAFETY.

DASHBOARD WITH PERFORMANCE AND DIAGNOSTIC

MAXIMUM CUTTING PERFORMANCE. PRECISION BLADE GEOMETRY AUTOMATICALLY CENTRES MATERIAL TO BE CUT

IoT CONNECTION TO THE CAPTIUM™ SERVICE PLATFORM

SPECIALLY DEVELOPED HIGH PERFORMANCE RESCUE BATTERY

e³ CONNECT CUTTERS



S 799 e³ CONNECT ITEM NO. 92-25-43

Max. cutting force ¹⁾	1,376 kN
Max. round steel Ø ²⁾	45 mm
Blade opening	204 mm
Dimensions ³⁾	930×265×253 mm
Mass ⁴⁾	24.2 kg
NFPA cutting classes	A9 / B9 / C9 / D9 / E9 / F5
EN cutting class	K
EN cutting capacity	1K – 2K – 3K – 4K – 5K
Protection class	IP 58



S 789 e³ CONNECT ITEM NO. 92-25-44

Max. cutting force ¹⁾	1,100 kN
Max. round steel Ø ²⁾	42 mm
Blade opening	205 mm
Dimensions ³⁾	912×266×253 mm
Mass ⁴⁾	21.9 kg
NFPA cutting classes	A8 / B9 / C8 / D9 / E9 / F5
EN cutting class	K
EN cutting capacity	1K – 2K – 3K – 4K – 5K
Protection class	IP 58



S 378 e³ CONNECT ITEM NO. 92-25-24

Max. cutting force ¹⁾	760 kN
Max. round steel Ø ²⁾	33 mm
Blade opening	202 mm
Dimensions ³⁾	846×235×253 mm
Mass ⁴⁾	17.8 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E8 / F4
EN cutting class	I
EN cutting capacity	1I – 2J – 3K – 4J – 5J
Protection class	IP 58

BUILT FOR POWER, DESIGNED FOR REACH, ENGINEERED FOR CONTROL

e³ CONNECT SPREADERS



DASHBOARD WITH
PERFORMANCE AND
DIAGNOSTIC DISPLAYS

ADDITIONAL SPREADER
AND SQUEEZE PLATES ON
THE SPREADER ARMS

SHARK TOOTH TIPS WITH
AN AGGRESSIVE GRIP
THANKS TO THE INNOVATIVE
3-ROW ARRANGEMENT OF
THE STEEL TEETH. FOR
EVERY MATERIAL

EXTRA FLAT TIPS FOR EASY
ACCESS INTO NARROW GAPS

IoT CONNECTION TO
THE CAPTIUM™ SERVICE
PLATFORM

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY

e³ CONNECT SPREADERS



**SP 778 e³
CONNECT**
ITEM NO. 92-10-32

Max. spreading force	500 kN
Spreading force 25 mm inward tip (EN)	47 kN
Spreading distance	1018 mm
Max. squeezing force	144 kN
Pulling force	44 kN
Pulling distance	858 mm
Dimensions ¹⁾	1106×309×253 mm
Mass ²⁾	24.3 kg
Protection class	IP 58



**SP 777 e³
CONNECT**
ITEM NO. 92-15-31

Max. spreading force	600 kN
Spreading force 25 mm inward tip (EN)	63 kN
Spreading distance	813 mm
Max. squeezing force	122 kN
Pulling force	60 kN
Pulling distance	655 mm
Dimensions ¹⁾	997×309×253 mm
Mass ²⁾	22.8 kg
Protection class	IP 58



**SP 775 e³
CONNECT**
ITEM NO. 92-15-33

Max. spreading force	698 kN
Spreading force 25 mm inward tip (EN)	50 kN
Spreading distance	800 mm
Max. squeezing force	105 kN
Pulling force	55 kN
Pulling distance	637 mm
Dimensions ¹⁾	957×269×253 mm
Mass ²⁾	19.7 kg
Protection class	IP 58

e³ CONNECT SPREADERS



**SP 555 e³
CONNECT**
ITEM NO. 92-15-23

Max. spreading force	658 kN
Spreading force 25 mm inward tip (EN)	52 kN
Spreading distance	730 mm
Max. squeezing force	115 kN
Pulling force	58 kN
Pulling distance	569 mm
Dimensions ¹⁾	923×265×253 mm
Mass ²⁾	19.3 kg
Protection class	IP 58



**SP 333 e³
CONNECT**
ITEM NO. 92-15-13

Max. spreading force	836 kN
Spreading force 25 mm inward tip (EN)	42 kN
Spreading distance	600 mm
Max. squeezing force	144 kN
Pulling force	56 kN
Pulling distance	440 mm
Dimensions ¹⁾	823×256×253 mm
Mass ²⁾	16.6 kg
Protection class	IP 58

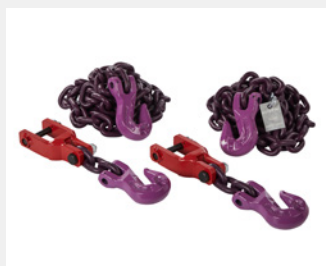
ACCESSORIES



PEELING TIPS
ITEM NO. 81-67-22



LX PLATE
ITEM NO. 81-67-50



**CHAIN SETS
KSV 11**
ITEM NO. 81-67-20



ONE TOOL, ENDLESS POSSIBILITIES, MAXIMUM FORCE

e³ CONNECT
COMBI
TOOLS



DOOR OPENER TIP SET
TO EXTEND THE RANGE
OF APPLICATIONS

COMPLETE CUTTING LENGTH
THANKS TO REMOVABLE
SHARK-TOOTH TIPS

REMOVABLE SHARK-TOOTH
TIPS WITH AN AGGRESSIVE
GRIP FOR EVERY APPLICATION

IoT CONNECTION TO
THE CAPTIUM™ SERVICE
PLATFORM

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY

e³ CONNECT COMBI TOOLS



SC 258 e³ CONNECT ITEM NO. 92-35-14

Max. cutting force	280 kN
Max. round steel Ø ¹⁾	26 mm
Max. spreading force	700 kN
Spreading force 25 mm inward tip (EN)	32 kN
Spreading distance	321 mm
Max. pulling force	34 kN
Pulling distance	330 mm
Dimensions ²⁾	792×210×253 mm
Mass ³⁾	14.1 kg
NFPA cutting classes	A6 / B6 / C6 / D7 / E7 / F4
EN cutting class	F
EN cutting capacity	1G – 2F – 3F – 4F – 5G
Protection class	IP 58



SC 358 e³ CONNECT ITEM NO. 92-35-23

Max. cutting force	492 kN
Max. round steel Ø ¹⁾	35 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	38 kN
Spreading distance	368 mm
Max. pulling force	61 kN
Pulling distance	382 mm
Dimensions ²⁾	876×235×253 mm
Mass ¹⁾	17.7 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E7 / F4
EN cutting class	I
EN cutting capacity	1I – 2J – 3I – 4J – 5J
Protection class	IP 58

1) according to EN 13204. NFPA 1936 2) L×W×H 3) without power supply unit or rechargeable battery

e³ CONNECT COMBI TOOLS



**SC 758 e³
CONNECT**
ITEM NO. 92-35-35

Max. cutting force	885 kN
Max. round steel Ø ¹⁾	40 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	43 kN
Spreading distance	475 mm
Max. pulling force	94 kN
Pulling distance	340 mm
Dimensions ²⁾	987×266×253 mm
Mass ³⁾	23.5 kg
NFPA cutting classes	A8 / B9 / C9 / D9 / E9 / F5
EN cutting class	J
EN cutting capacity	1J – 2K – 3K – 4K – 5K
Protection class	IP 58

ACCESSORIES



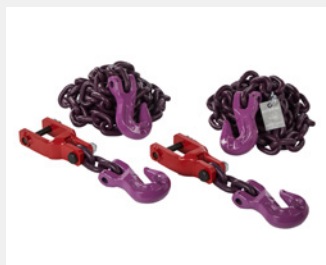
**PULLING
ATTACHMENT**

ITEM NO. 81-67-32
(SC 758)
ITEM NO. 81-67-24
(SC 358/SC 258)



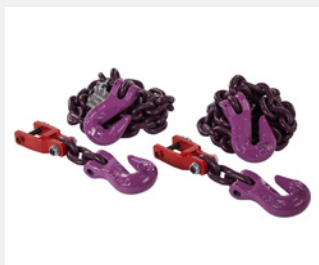
**e³ TRANSPORT
CASE**

ITEM NO. 90-68-32



**CHAIN SETS
KSV 11**

ITEM NO. 81-67-20



**CHAIN SETS
KSV 13**

ITEM NO. 81-67-30



**SC 358 & SC 258
DOOR OPENER
TIP SET**

ITEM NO. 81-67-23

Mass 2.32 kg



LX PLATE

ITEM NO. 81-67-50



EXCEPTIONAL PUSHING FORCE, PRECISION UNDER PRESSURE

e³ CONNECT RESCUE RAMS



ROTATING RAM HEADS
ALLOW EASY POSITIONING
AND ENABLES RAM BODY TO
BE ROTATED UNDER LOAD

TELESCOPIC RAM FOR
AN EXTRA-LONG STROKE

OPTIONAL MECHANICAL
EXTENSION SET

MAXIMUM PUSHING FORCE
MAINTAINED EVEN WITH
THE EXTENSION ATTACHED

IoT CONNECTION TO
THE CAPTIUM™ SERVICE
PLATFORM

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY



e³ CONNECT RESCUE RAMS



**R 320 e³
CONNECT**
ITEM NO. 92-45-10

Extended length	640 mm
Piston stroke piston 1	164 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	136 mm
Lifting force piston 2	60 kN
Total stroke	300 mm
Dimensions ¹⁾	340×200×326 mm
Mass ²⁾	12.5 kg
Protection class	IP 58



**R 521 e³
CONNECT**
ITEM NO. 92-45-12

Extended length	1,359 mm
Piston stroke piston 1	403 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	377 mm
Lifting force piston 2	60 kN
Total stroke	780 mm
Dimensions ¹⁾	579×140×327 mm
Mass ²⁾	18.2 kg
Protection class	IP 58



**CR 522 e³
CONNECT
CROSSRAM**
ITEM NO. 92-45-14

Extended length	1,533 mm
Piston stroke piston 1	451 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	425 mm
Lifting force piston 2	60 kN
Total stroke	876 mm
Dimensions ¹⁾	657×140×327 mm
Mass ²⁾	20.4 kg
Protection class	IP 58

1) L×W×H 2) without power supply unit or rechargeable battery

ACCESSORIES



LX CLAW (SET S & L)

ITEM NO. 81-68-45

Dimensions ¹⁾	S 347×301×95 mm L 434×376×95 mm
Nominal load	403.5 kN
Mass	S 6.8 kg / L 8.2 kg



LX RAM R 320/CR 522 CROSSRAM ITEM NO. 90-68-50

Extension 1	50 mm
Extension 2	150 mm
Extension 3	270 mm



LX RAM T ITEM NO. 81-68-44

Dimensions ¹⁾	470×167×191 mm
Nominal load	269 kN
Mass	7.7 kg



LX RAM C ITEM NO. 81-68-43

Dimensions ¹⁾	305×131×318 mm
Min. opening width	172 mm
Max. opening width	316 mm
Nominal load	269 kg
Mass	13 kg

1) L×W×H



WITH CONTROL THE NEXT

CHAPTER 2
e³ SERIES

GREATER REACH LEVEL

NOW SMARTER, MORE POWERFUL AND MORE EFFICIENT:

TAKE THE NEXT STEP TOWARDS THE SMART AGE OF RESCUE EQUIPMENT WITH US. THE SMART DASHBOARD OF THE e³ PRODUCT SERIES ENABLES DIRECT COMMUNICATION BETWEEN THE USER AND THE DEVICE – FOR GREATER CONTROL DURING USE.



PRECISION GEOMETRY, UNCOMPROMISING PERFORMANCE

e³ SERIES CUTTERS



PRECISE OPERATION IN CHALLENGING SITUATIONS. INNOVATIVE STAR GRIP DESIGN ELIMINATES THE NEED FOR WRIST ROTATION, ENHANCING CONTROL, ERGONOMICS, AND SAFETY

MAXIMUM CUTTING PERFORMANCE. PRECISION BLADE GEOMETRY AUTOMATICALLY CENTRES MATERIAL TO BE CUT

ERGONOMIC HANDLE FOR EASY POSITIONING

SPECIALLY DEVELOPED HIGH PERFORMANCE RESCUE BATTERY



e³ SERIES CUTTERS



S 799 e³
ITEM NO. 92-20-43

Max. cutting force ¹⁾	1,376 kN
Max. round steel Ø ²⁾	45 mm
Blade opening	204 mm
Dimensions ³⁾	930×265×253 mm
Mass ⁴⁾	24.2 kg
NFPA cutting classes	A9 / B9 / C9 / D9 / E9 / F5
EN cutting class	K
EN cutting capacity	1K – 2K – 3K – 4K – 5K
Protection class	IP 58



S 789 e³
ITEM NO. 92-20-44

Max. cutting force ¹⁾	1,100 kN
Max. round steel Ø ²⁾	42 mm
Blade opening	205 mm
Dimensions ³⁾	907×266×253 mm
Mass ⁴⁾	21.9 kg
NFPA cutting classes	A8 / B9 / C8 / D9 / E9 / F5
EN cutting class	K
EN cutting capacity	1K – 2K – 3K – 4K – 5K
Protection class	IP 58



S 378 e³
ITEM NO. 92-20-24

Max. cutting force ¹⁾	760 kN
Max. round steel Ø ²⁾	33 mm
Blade opening	202 mm
Dimensions ³⁾	846×235×253 mm
Mass ⁴⁾	17.8 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E8 / F4
EN cutting class	I
EN cutting capacity	1I – 2J – 3K – 4J – 5J
Protection class	IP 58

1) theoretical 2) according to EN 13204, NFPA 1936 3) L×W×H 4) weight without power supply unit or rechargeable battery

BUILT FOR POWER, DESIGNED FOR REACH, ENGINEERED FOR CONTROL

e³ SERIES SPREADERS



DASHBOARD WITH
PERFORMANCE AND
DIAGNOSTIC DISPLAYS

ADDITIONAL SPREADER
AND SQUEEZE PLATES
ON THE SPREADER ARMS

SHARK TOOTH TIPS WITH AN
AGGRESSIVE GRIP THANKS
TO THE INNOVATIVE 3-ROW
ARRANGEMENT OF THE
STEEL TEETH. FOR EVERY
MATERIAL

EXTRA FLAT TIPS FOR EASY
ACCESS INTO NARROW GAPS

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY



e³ SERIES SPREADERS



SP 778 e³
ITEM NO. 92-10-32

Max. spreading force	500 kN
Spreading force 25 mm inward tip (EN)	47 kN
Spreading distance	1018 mm
Max. squeezing force	144 kN
Pulling force	44 kN
Pulling distance	858 mm
Dimensions ¹⁾	1106×309×253 mm
Mass ²⁾	24.3 kg
Protection class	IP 58



SP 777 e³
ITEM NO. 92-10-31

Max. spreading force	600 kN
Spreading force 25 mm inward tip (EN)	63 kN
Spreading distance	813 mm
Max. squeezing force	122 kN
Pulling force	60 kN
Pulling distance	655 mm
Dimensions ¹⁾	997×309×253 mm
Mass ²⁾	22.8 kg
Protection class	IP 58



SP 775 e³
ITEM NO. 92-10-33

Max. spreading force	698 kN
Spreading force 25 mm inward tip (EN)	50 kN
Spreading distance	800 mm
Max. squeezing force	105 kN
Pulling force	55 kN
Pulling distance	637 mm
Dimensions ¹⁾	957×269×253 mm
Mass ²⁾	19.7 kg
Protection class	IP 58

e³ SERIES SPREADERS



SP 555 e³

ITEM NO. 92-10-23

Max. spreading force	658 kN
Spreading force 25 mm inward tip (EN)	52 kN
Spreading distance	730 mm
Max. squeezing force	115 kN
Pulling force	58 kN
Pulling distance	569 mm
Dimensions ¹⁾	923×265×253 mm
Mass ²⁾	19.3 kg
Protection class	IP 58



SP 333 e³

ITEM NO. 92-10-13

Max. spreading force	836 kN
Spreading force 25 mm inward tip (EN)	42 kN
Spreading distance	600 mm
Max. squeezing force	144 kN
Pulling force	56 kN
Pulling distance	440 mm
Dimensions ¹⁾	823×256×253 mm
Mass ²⁾	16.6 kg
Protection class	IP 58

ACCESSORIES



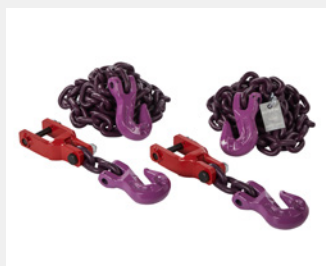
PEELING TIPS

ITEM NO. 81-67-22



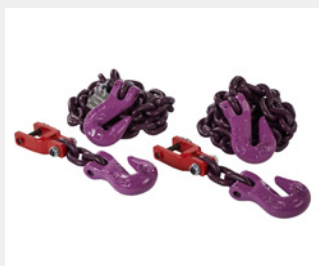
LX PLATE

ITEM NO. 81-67-50



CHAIN SETS KSV 11

ITEM NO. 81-67-20



CHAIN SETS KSV 13

ITEM NO. 81-67-30



ONE TOOL, ENDLESS POSSIBILITIES, MAXIMUM FORCE

e3 SERIES
COMBI
TOOLS



DOOR OPENER TIP SET
TO EXTEND THE RANGE
OF APPLICATIONS

COMPLETE CUTTING LENGTH
THANKS TO REMOVABLE
SHARK-TOOTH TIPS

REMOVABLE SHARK-TOOTH
TIPS WITH AN AGGRESSIVE
GRIP FOR EVERY APPLICATION

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY



e³ SERIES COMBI TOOLS



SC 258 e³

ITEM NO. 92-30-14

Max. cutting force	280 kN
Max. round steel Ø ¹⁾	26 mm
Max. spreading force	700 kN
Spreading force 25 mm inward tip (EN)	32 kN
Spreading distance	321 mm
Max. pulling force	34 kN
Pulling distance	330 mm
Dimensions ²⁾	792×210×253 mm
Mass ³⁾	14.1 kg
NFPA cutting classes	A6 / B6 / C6 / D7 / E7 / F4
EN cutting class	F
EN cutting capacity	1G – 2F – 3F – 4F – 5G
Protection class	IP 58



SC 358 e³

ITEM NO. 92-35-23

Max. cutting force	492 kN
Max. round steel Ø ¹⁾	35 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	38 kN
Spreading distance	368 mm
Max. pulling force	61 kN
Pulling distance	382 mm
Dimensions ²⁾	876×235×253 mm
Mass ¹⁾	17.7 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E7 / F4
EN cutting class	I
EN cutting capacity	1I – 2J – 3I – 4J – 5J
Protection class	IP 58

1) according to EN 13204. NFPA 1936 2) L×W×H 3) without power supply unit or rechargeable battery

e³ SERIES COMBI TOOLS



SC 758 e³

ITEM NO. 92-30-35

Max. cutting force	885 kN
Max. round steel Ø ¹⁾	40 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	43 kN
Spreading distance	475 mm
Max. pulling force	94 kN
Pulling distance	340 mm
Dimensions ²⁾	987×266×253 mm
Mass ³⁾	23.5 kg
NFPA cutting classes	A8 / B9 / C9 / D9 / E9 / F5
EN cutting class	J
EN cutting capacity	1J – 2K – 3K – 4K – 5K
Protection class	IP 58

ACCESSORIES



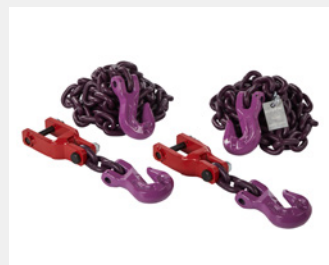
PULLING ATTACHMENT

ITEM NO. 81-67-32
(SC 758)
ITEM NO. 81-67-24
(SC 358/SC 258)



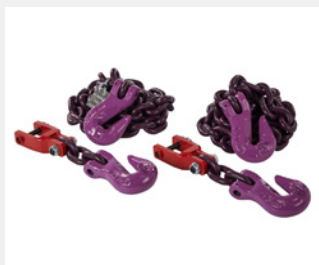
e³ TRANSPORT CASE

ITEM NO. 90-68-32



CHAIN SETS KSV 11

ITEM NO. 81-67-20



CHAIN SETS KSV 13

ITEM NO. 81-67-30



SC 358 & SC 258 DOOR OPENER TIP SET

ITEM NO. 81-67-23

Mass

2.32 kg



LX PLATE

ITEM NO. 81-67-50



EXCEPTIONAL PUSHING FORCE, COMPACT DESIGN

e³ SERIES RESCUE RAMS



ROTATING CLAWS FOR
TURNING THE RAM UNDER
LOAD

2-FOLD TELESCOPIC RAM
FOR AN EXTRA-LONG STROKE

OPTIONAL MECHANICAL
EXTENSION SET

MAXIMUM LIFTING FORCE
MAINTAINED EVEN WITH
THE EXTENSION ATTACHED

HOUSING CAN BE ROTATED
THROUGH 360° UNDER
PRESSURE FOR IMPROVED
ACCESS TO THE VEHICLE
INTERIOR

SPECIALLY DEVELOPED
HIGH PERFORMANCE
RESCUE BATTERY



e³ SERIES RESCUE RAMS



R 320 e³
ITEM NO. 92-40-10

Extended length	640 mm
Piston stroke piston 1	164 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	136 mm
Lifting force piston 2	60 kN
Total stroke	300 mm
Dimensions ¹⁾	340×200×326 mm
Mass ²⁾	12.5 kg
Protection class	IP 58



R 521 e³
ITEM NO. 92-40-12

Extended length	1,359 mm
Piston stroke piston 1	403 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	377 mm
Lifting force piston 2	60 kN
Total stroke	780 mm
Dimensions ¹⁾	579×140×327 mm
Mass ²⁾	18.2 kg
Protection class	IP 58



CR 522 e³
CROSSRAM
ITEM NO. 92-40-14

Extended length	1,533 mm
Piston stroke piston 1	451 mm
Lifting force piston 1	127 kN
Piston stroke piston 2	425 mm
Lifting force piston 2	60 kN
Total stroke	876 mm
Dimensions ¹⁾	657×140×327 mm
Mass ²⁾	20.4 kg
Protection class	IP 58

1) L×W×H 2) without power supply unit or rechargeable battery

ACCESSORIES



LX CLAW (SET S & L)

ITEM NO. 81-68-45

Dimensions ¹⁾	S 347×301×95 mm L 434×376×95 mm
Nominal load	403.5 kN
Mass	S 6.8 kg / L 8.2 kg



RAM EXTENSION SET

R 320/CR 522 CROSSRAM
ITEM NO. 90-68-50

Extension 1	50 mm
Extension 2	150 mm
Extension 3	270 mm



LX RAM T ITEM NO. 81-68-44

Dimensions ¹⁾	470×167×191 mm
Nominal load	269 kN
Mass	7.7 kg



LX RAM C ITEM NO. 81-68-43

Dimensions ¹⁾	305×131×318 mm
Min. opening width	172 mm
Max. opening width	316 mm
Nominal load	269 kg
Mass	13 kg

¹⁾ L×W×H



CONSTANT CAPABILITY ALL

CHAPTER 3
RESCUE
BATTERIES

PERFORMANCE IN APPLICATIONS

OUR RECHARGEABLE RESCUE BATTERIES ARE SPECIFICALLY DEVELOPED FOR FIELD USE AND ARE DESIGNED TO DELIVER PEAK PERFORMANCE WHENEVER NEEDED.

THE ADVANCED BATTERY TECHNOLOGY ENSURES RELIABLE, HIGH-LEVEL OPERATION. THE INCREASED NUMBER OF CELLS WITHIN THE BATTERY ENHANCES PERFORMANCE, PREVENTS PREMATURE SHUT-OFF, AND FACILITATES WORK IN EXTREME CONDITIONS

SPECIALLY DEVELOPED HIGH PERFORMANCE RECHARGEABLE BATTERIES

RESCUE
BATTERIES



THE RECHARGEABLE BATTERY CAN BE EASILY REMOVED USING THE RELEASE MECHANISM

THE 9 AH SALT-WATER BATTERY IS EQUIPPED WITH SPECIAL GASKETS AND GEL ON THE CONTACTS TO REJECT SALT WATER

CHARGE CYCLES AND ERROR CODES CAN BE READ WHEN THE ON/OFF SWITCH IS PRESSED

IoT INTERFACE FOR CONNECTION TO THE SERVICE PLATFORM

WORKING TIME DOUBLED THANKS TO THE NEWLY DEVELOPED 9 AH BATTERY AND 9 AH SALT-WATER BATTERY

BATTERY CAN BE REPLACED UNDER WATER

SPECIALLY DEVELOPED RECHARGEABLE RESCUE BATTERY FOR PEAK PERFORMANCE

RESCUE BATTERIES



5 AH
ITEM NO. 90-53-42

Nominal voltage	25.2 VDC
Capacity	5.0 Ah
Energy	126 Wh
Charging time	1.5 hrs.
Dimensions ¹⁾	176×97×70 mm
Mass	1.2 kg
Protection class	IP 68



9 AH
ITEM NO. 90-53-45

Nominal voltage	25.2 VDC
Capacity	9.0 Ah
Energy	227 Wh
Charging time	2.5 hrs.
Dimensions ¹⁾	176×97×89 mm
Mass	1.6 kg
Protection class	IP 68



9 AH
SALT WATER
ITEM NO. 90-53-46

Nominal voltage	25.2 VDC
Capacity	9.0 Ah
Energy	227 Wh
Charging time	2.5 hrs.
Dimensions ¹⁾	176×97×89 mm
Mass	1.6 kg
Protection class	IP 68

1) L×W×H

ACCESSORIES



**e³ AND
e³ CONNECT
BATTERY
CHARGER
100 V - 240 V**
ITEM NO. 90-53-36



**e³ AND
e³ CONNECT
BATTERY
CHARGER
12 V - 24 V**
ITEM NO. 90-53-22



**RESCUE
BATTERY
BAG**
ITEM NO. 90-74-11

For 3 rechargeable batteries,
1 charger



**EWXT/e³
POWER SUPPLY
UNIT
230 V/50 HZ**
ITEM NO. 90-53-30



LUKAS POWER VERY TIGHT

CHAPTER 4
S120e
POWER CUT

COMPACT POWER PACK WITH HIGH
PERFORMANCE IN THE TIGHTEST OF SPACES

POWER PACK CUT FOR SPACES

COMPACT POWER PACK S120e POWER CUT – FOR HIGH PERFORMANCE
IN THE TIGHTEST OF SPACES.

WITH UNBEATABLE VERSATILITY AND EXCEPTIONAL CUTTING PERFORMANCE,
THIS MINI-CUTTER IS THE PERFECT TOOL FOR PRECISE WORK IN CONFINED
AND HARD-TO-REACH AREAS. PERFECT FOR CUTTING THROUGH PEDALS,
HEADRESTS, PADLOCKS OR METAL BARS.

COMPACT FORM, UNCOMPROMISED CUTTING FORCE

**S120e
POWER CUT**



LOW WEIGHT

SMALL DIMENSIONS

HIGH CUTTING FORCES

PRECISE OPERATION IN
CHALLENGING SITUATIONS,
STAR GRIP ENSURES
CONTROL, ERGONOMICS
AND SAFETY

18-VOLT BATTERY
TECHNOLOGY

LED LIGHTING

ULTIMATE CONTROL
THANKS TO ERGONOMIC
HANDLE DESIGN

TRIED-AND-TESTED TOOL
HEAD (RELIABLE 120
HYDRAULIC SERIES)

S120e
POWER
CUT

1) theoretical 2) according to EN 13204, NFPA 1936 3) L×W×H 4) weight without power supply unit or rechargeable battery



S120e
POWER CUT
ITEM NO. 90-20-10

Max. cutting force ¹⁾	183 kN
Max. round steel Ø ²⁾	22 mm
Blade opening	52.3 mm
Dimensions ³⁾	465×81.6×127.3 mm
Mass ⁴⁾	3.7 kg
NFPA cutting classes	A5 / B3 / C2 / D3 / E3
EN cutting class	I
EN cutting capacity	1E – 2C – 3B
Battery	18 V
Protection class	IP 44

MULTI-TOOL TRAILBLAZER OVERCOMING

CHAPTER 5
STRONG
ARM

OVERCOME EVERY
OBSTACLE QUICKLY

AND FOR ALL OBSTACLES

EVERY OPERATION DEMANDS MAXIMUM CONCENTRATION AND FLAWLESS EXECUTION. TO HELP YOU OVERCOME ANY OBSTACLE ON YOUR PATH TO A SWIFT RESCUE, WE HAVE DEVELOPED A UNIVERSAL TOOL THAT OFFERS RELIABLE AND POWERFUL SUPPORT. THE STRONGARM CAN OPEN DOORS AND GATES, CUT CHAINS, LOCKS, AND BOLTS, AND LIFT OR PUSH AWAY OBSTACLES.



ONE TOOL, ENDLESS POSSIBILITIES, MAXIMUM FORCE

**STRONG
ARM**



PRECISE OPERATION IN CHALLENGING SITUATIONS. INNOVATIVE STAR GRIP DESIGN ELIMINATES THE NEED FOR WRIST ROTATION, ENHANCING CONTROL, ERGONOMICS, AND SAFETY

UNIVERSAL ATTACHMENT RAIL FOR LIGHTING ETC.

ERGONOMIC HANDLE FOR EASY POSITIONING

SPECIALLY DESIGNED FOR USE IN HIGH-TEMPERATURE APPLICATIONS DUE TO HEAT-RESISTANT HOUSING

INTELLIGENT DESIGN ALLOWS FOR RAPID TIP CHANGE

DOOR OPENER TIP SET

MULTIPLE TRANSPORTATION AND CARRYING OPTIONS TO SUIT EVERY REQUIREMENT

SPECIALLY DEVELOPED HIGH PERFORMANCE RESCUE BATTERY

STRONG ARM

1) according to EN 13204. NFPA 1936 2) L×W×H 3) without battery and tips



LE 100	
STRONGARM	
ITEM NO. 95-10-11	
Max. cutting force	155 kN
Max. round steel ¹⁾	22.2 mm
Blade opening with combination tips	207 mm
Spreading force	28 - 700 kN
Spreading distance with door opener tips	184 mm
Spreading distance with combination tips	215 mm
Dimensions with combination tips ²⁾	796×195×210 mm
Mass ³⁾	9.8 kg
NFPA cutting classes	A5 / B3 / C5 / D6 / E6
EN cutting classes	1E – 2D – 3D – 4D – 5D

ACCESSORIES



STRONGARM SHOULDER STRAP

ITEM NO. 95-71-20



STRONGARM CASE

ITEM NO. 123C146



STRONGARM BACKPACK

ITEM NO. 95-71-10



STRONGARM BATTERY

ITEM NO. 273100610



STRONGARM CHARGER

ITEM NO. 95-53-11



RELIABLE IN DEPLOYMENT

CHAPTER 6
HOSE-CONNECTED
RESCUE EQUIPMENT

WHEN EVERY
SECOND COUNTS

SUPPORT EVERY SCENARIO

THE CLASSIC RESCUE VARIANT FOR FIRE BRIGADES IN ACTION – EMERGENCY PERSONNEL HAVE BEEN USING HOSE-CONNECTED RESCUE EQUIPMENT FOR MANY YEARS. CUTTERS, SPREADERS, COMBI TOOLS, AND RESCUE RAMS OFFER SUBSTANTIAL POWER AND CAN BE CONNECTED TO VARIOUS DRIVES VIA HOSE CONNECTIONS.

ENGINEERED FOR STRENGTH AND ULTIMATE PERFORMANCE

**HOSE-
CONNECTED
CUTTERS**



PRECISE OPERATION IN CHALLENGING SITUATIONS. INNOVATIVE STAR GRIP DESIGN ELIMINATES THE NEED FOR WRIST ROTATION, ENHANCING CONTROL, ERGONOMICS, AND SAFETY

ERGONOMIC HANDLE FOR EASY POSITIONING

MAXIMUM CUTTING PERFORMANCE. PRECISION BLADE GEOMETRY AUTOMATICALLY CENTRES MATERIAL TO BE CUT

HOSE- CONNECTED CUTTERS



S 799 THE BEAST BY LUKAS ITEM NO. 81-20-43

Max. cutting force ¹⁾	1,376 kN
Max. round steel Ø ²⁾	45 mm
Blade opening	204 mm
Dimensions	828×291×188 mm
Mass	21.3 kg
NFPA cutting classes	A9 / B9 / C9 / D9 / E9 / F5
EN cutting capacity / EN classification	CC 200K-21.3



S 789 ITEM NO. 81-20-44

Max. cutting force ¹⁾	1,100 kN
Max. round steel Ø ²⁾	42 mm
Tip opening	205 mm
Hydraulic fluid	HM 10 ISO 6743-4
Oil requirement	295 cm ³
Dimensions	801×279×187 mm
Mass	18.8 kg
NFPA cutting classes	A8 / B9 / C8 / D9 / E9 / F5
EN cutting capacity	1K – 2K – 3K – 4K – 5K
EN classification	CC 205 K-18.8

1) theoretical 2) according to EN 13204, NFPA 1936

HOSE- CONNECTED CUTTERS



S 378

ITEM NO. 81-20-24

Max. cutting force ¹⁾	760 kN
Max. round steel Ø ²⁾	35 mm
Blade opening	202 mm
Dimensions	742×228×172 mm
Mass	14.8 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E8 / F4
EN cutting capacity	1I – 2J – 3K – 4J – 5J
EN classification	BC 180 I-14.8
Oil requirement	140 cm ³



S 120

ITEM NO. 81-20-10

Max. cutting force ¹⁾	183 kN
Max. round steel Ø ²⁾	22 mm
Blade opening	53 mm
Dimensions	346×130×87 mm
Mass	4.3 kg
NFPA cutting classes	A4 / B3 / C2 / D3 / E3
EN cutting capacity	1D – 2C – 3B
EN classification	AC 53 B-4.3
Oil requirement	17 cm ³

¹⁾ theoretical ²⁾ according to EN 13204, NFPA 1936



COMMANDING POWER EXPANSIVE SPREAD, ULTIMATE CONTROL

HOSE-
CONNECTED
SPREADERS AND
COMBI TOOLS



PRECISE OPERATION IN
CHALLENGING SITUATIONS.
INNOVATIVE STAR GRIP
DESIGN ELIMINATES THE
NEED FOR WRIST ROTATION,
ENHANCING CONTROL,
ERGONOMICS, AND SAFETY

ERGONOMIC HANDLE FOR
EASY POSITIONING

EXTRA FLAT TIPS FOR EASY
ACCESS INTO NARROW GAPS

COMPLETE CUTTING LENGTH
THANKS TO REMOVABLE
SHARK-TOOTH TIPS

HOSE-CONNECTED SPREADERS AND COMBI TOOLS



SP 777

ITEM NO. 81-10-35

Max. spreading force	600 kN
Spreading force 25 mm inward tip (EN)	63 kN
Spreading distance	813 mm
Max. squeezing force	122 kN
Pulling force	60 kN
Pulling distance	655 mm
Dimensions ¹⁾	898×309×202 mm
Mass ²⁾	19.7 kg
EN classification	BS-63 / 813-19.7
Oil requirement	385 cm ³



SP 775

ITEM NO. 81-10-33

Max. spreading force	698 kN
Spreading force 25 mm inward tip (EN)	50 kN
Spreading distance	800 mm
Max. squeezing force	105 kN
Pulling force	55 kN
Pulling distance	637 mm
Dimensions ¹⁾	857×285×202 mm
Mass ²⁾	16.6 kg
EN classification	BS-50 / 800-16.6
Oil requirement	260 cm ³



SP 555

ITEM NO. 81-10-23

Max. spreading force	658 kN
Spreading force 25 mm inward tip (EN)	52 kN
Spreading distance	730 mm
Max. squeezing force	115 kN
Pulling force	58 kN
Pulling distance	569 mm
Dimensions ¹⁾	823×285×202 mm
Mass ²⁾	16.2 kg
EN classification	AS-52 / 730-16.2
Oil requirement	240 cm ³

1) theoretical 2) according to EN 13204, NFPA 1936

HOSE-CONNECTED SPREADERS AND COMBI TOOLS



SP 333
ITEM NO. 81-10-13

Max. spreading force	836 kN
Spreading force 25 mm inward tip (EN)	42 kN
Spreading distance	600 mm
Max. squeezing force	144 kN
Pulling force	56 kN
Pulling distance	440 mm
Dimensions ¹⁾	723×285×202 mm
Mass ²⁾	13.4 kg
EN classification	AS-42 / 600–13.4
Oil requirement	150 cm ³

1) L×W×H 2) without power supply unit or rechargeable battery



SC 758

ITEM NO. 81-30-35

Max. cutting force	885 kN
Max. round steel Ø ¹⁾	40 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	43 kN
Spreading distance	475 mm
Max. pulling force	94 kN
Pulling distance	340 mm
Dimensions ²⁾	876×301×206 mm
Mass ³⁾	20.7 kg
NFPA cutting classes	A8 / B9 / C9 / D9 / E9
EN cutting capacity	1J – 2K – 3K – 4K – 5K
EN classification	CK 43 / 475-J-20.7
Oil requirement	235 cm ³



SC 358

ITEM NO. 81-30-22

Max. cutting force	492 kN
Max. round steel Ø ¹⁾	35 mm
Max. spreading force	1,500 kN
Spreading force 25 mm inward tip (EN)	38 kN
Spreading distance	368 mm
Max. pulling force	61 kN
Pulling distance	382 mm
Dimensions ²⁾	774×228×172 mm
Mass ³⁾	14.8 kg
NFPA cutting classes	A7 / B8 / C7 / D8 / E7
EN cutting capacity	1I – 2J – 3I – 4J – 5J
EN classification	CK 38 / 368-1-14.8
Oil requirement	110 cm ³



SC 258 M

ITEM NO. 81-30-11

Max. cutting force	280 kN
Max. round steel Ø ¹⁾	25.4 mm
Max. spreading force	405 kN
Spreading distance	322 mm
Dimensions ²⁾	850×190×158 mm
Mass ³⁾	12.3 kg
NFPA cutting classes	A6 / B6 / C6 / D7 / E7 / F4
EN cutting capacity	1F – 2F – 3F – 4F – 5F

POWERFUL LIFTING AND PUSHING

**HOSE-
CONNECTED
RESCUE
RAMS**



TELESCOPIC DESIGN ALLOWS FOR A COMPACT DESIGN WHILST STILL ACHIEVEING A HUGE STROKE.

STAR GRIP ALLOWS SENSITIVE AND ERGONOMIC OPERATION

NON-SLIP RAM HEADS PROVIDE A SECURE GRIP ON ALL SURFACES

RAM HEADS CAN BE ROTATED 360 DEGREES

HOSE- CONNECTED SINGLE-STAGE RESCUE RAMS



R 414
ITEM NO. 81-40-24

Extended length	1600 mm
Retracted length	900 mm
Lifting force	124 kN
Piston stroke	700 mm
Dimensions ¹⁾	900×95×174 mm
Mass ²⁾	24.2 kg
EN classification	R 124 / 700–24.2
Oil requirement	1,110 cm ³



R 412
ITEM NO. 81-40-22

Extended length	1180 mm
Retracted length	680 mm
Lifting force	137 kN
Piston stroke	500 mm
Dimensions ¹⁾	680×95×174 mm
Mass ²⁾	17.7 kg
EN classification	R 137 / 500–17.7
Oil requirement	795 cm ³



R 410
ITEM NO. 81-40-20

Extended length	750 mm
Retracted length	450 mm
Lifting force	137 kN
Piston stroke	300 mm
Dimensions ¹⁾	450×95×174 mm
Mass ²⁾	13.0 kg
EN classification	R 137 / 300–13.0
Oil requirement	477 cm ³

1) L×W×H 2) without power supply unit or rechargeable battery

HOSE- CONNECTED MULTI-STAGE RESCUE RAMS



R 430

ITEM NO. 81-40-40

Extended length	1,295 mm
Retracted length	475 mm
Total stroke	820 mm
Lifting force piston 1	269 kN
Piston stroke piston 1	295 mm
Lifting force piston 2	134 kN
Piston stroke piston 2	280 mm
Lifting force piston 3	39 kN
Piston stroke piston 3	245 mm
Dimensions ¹⁾	475×112×221 mm
Mass ²⁾	17.7 kg
Oil requirement	1.7 litres



R 424

ITEM NO. 81-40-34

Extended length	1,500 mm
Retracted length	875 mm
Total stroke	875 mm
Lifting force piston 1	269 kN
Piston stroke piston 1	445 mm
Lifting force piston 2	134 kN
Piston stroke piston 2	430 mm
Dimensions ¹⁾	625×112×221 mm
Mass ²⁾	21.0 kg
EN classification	TR 269 / 445–134 / 430-21.0
Oil requirement	2140 cm ³

1) L×W×H 2) without power supply unit or rechargeable battery



R 422
ITEM NO. 81-40-32

Extended length	1,255 mm
Retracted length	475 mm
Total stroke	705 mm
Lifting force piston 1	269 kN
Piston stroke piston 1	365 mm
Lifting force piston 2	134 kN
Piston stroke piston 2	340 mm
Dimensions ¹⁾	550×112×221 mm
Mass ²⁾	18.8 kg
EN classification	TR 269 / 365-134 / 340-18.8
Oil requirement	1740 cm ³



R 420
ITEM NO. 81-40-30

Extended length	1,055 mm
Retracted length	475 mm
Total stroke	575 mm
Lifting force piston 1	269 kN
Piston stroke piston 1	295 mm
Lifting force piston 2	134 kN
Piston stroke piston 2	280 mm
Dimensions ¹⁾	480×112×221 mm
Mass ²⁾	16.8 kg
EN classification	TR 269 / 295-134 / 280-16.8
Oil requirement	1410 cm ³

1) L×W×H 2) without power supply unit or rechargeable battery

MAXIMUM THANKS POWERFUL

CHAPTER 7
DRIVES AND
POWER UNITS

WITH PETROL ENGINES
OR ELECTRIC MOTORS

PERFORMANCE TO DRIVES

LUKAS POWER UNITS AND DRIVES FEATURE A COMPACT DESIGN WITH A TELESCOPIC CARRY FUNCTION. AVAILABLE WITH EITHER A PETROL OR ELECTRIC MOTOR, THEY OFFER A SATISFACTORY FLOW RATE AND ALLOW UP TO TWO DEVICES TO BE CONNECTED SIMULTANEOUSLY. THE TURBO FUNCTION ENABLES MAXIMUM PERFORMANCE, PROVIDING EXTRA SPEED WHEN QUICK OPERATION IS REQUIRED.

RELIABLE HYDRAULIC POWER, ALWAYS READY

POWER UNITS

GREATER FLEXIBILITY DUE TO
FAST AND SAFE COUPLING

MONOCOUPLING TECHNOLOGY

HOSE REEL MODULE CAN
BE RETROFITTED

TURBO FUNCTION – DUAL OIL
FLOWS FOR A SINGLE RESCUE
DEVICE, ENABLING IT TO
OPERATE TWICE AS FAST

TANK FILL LEVELS ARE
VISIBLE FROM THE OUTSIDE



POWER UNITS WITH A PETROL ENGINE



**P 635 SG
DHR-COAX**
ITEM NO. 81-54-52

Drive	4-stroke petrol engine
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.8-2×0.6 l/min.
Flow rate turbo low-high pressure	1×5.4-1×1.2 l/min.
Output	3.6 kW
Dimensions ¹⁾	890×440×600 mm
Mass ²⁾	79.7 kg
Oil volume	5 l
Hose length	2×20 m
Turbo function	included



**P 635 SG
DHR 20**
ITEM NO. 81-54-51

Drive	4-stroke petrol engine
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.8-2×0.6 l / min
Flow rate turbo low-high pressure	1×5.4-1×1.2 l / min
Output	3.6 kW
Dimensions ¹⁾	868×440×600 mm
Mass ²⁾	78 kg
Oil volume	5 l
Hose length	2×20 m
Turbo function	included



P 635 SG
ITEM NO. 81-53-44

Drive	4-stroke petrol engine
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.8-2×0.6 l/min.
Flow rate turbo low-high pressure	1×5.4-1×1.2 l / min
Output	3.6 kW
Dimensions ¹⁾	510×440×445 mm
Mass ²⁾	39.5 kg
Oil volume	5 l
Electric starters	not included
Turbo function	included

1) L×W×H 2) without power supply unit or rechargeable battery

POWER UNITS WITH AN ELECTRIC MOTOR



P 635 SE
DHR-COAX
ITEM NO. 81-54-41

Drive	230 V electric motor
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.4-2×0.55 l / min
Flow rate turbo low-high pressure	1×4.7-1×1.1 l / min
Output	2.2 kW
Dimensions ¹⁾	820×440×600 mm
Mass ^{e2)}	78.5 kg
Oil volume	5 l
Hose length	2×20 m
Turbo function	included



P 635 SE
DHR 20
ITEM NO. 81-54-44

Drive	230 V electric motor
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.4-2×0.55 l / min
Flow rate turbo low-high pressure	1×4.7-1×1.1 l / min
Output	2.2 kW
Dimensions ¹⁾	798×440×600 mm
Mass ²⁾	76.7 kg
Oil volume	5 l
Hose length	2×20 m
Turbo function	included



P 635 SE
ITEM NO. 81-53-41

Drive	230 V electric motor
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×2.4-2×0.55 l / min
Flow rate turbo low-high pressure	1×4.7-1×1.1 l / min
Output	2.2 kW
Dimensions ¹⁾	440×440×445 mm
Mass ²⁾	36.7 kg
Oil volume	5 l
Turbo function	included

1) L×W×H 2) without power supply unit or rechargeable battery

MOBILE POWER UNITS



P 630 SGAT

ITEM NO. 81-53-23

Drive	4-stroke petrol engine
Connection	2 devices
Operating pressure	700 bar
Flow rate low-high pressure	2×3.0-2×0.7 l / min
Flow rate turbo low-high pressure	1×5.8-1×1.35 l / min
Output	2.4 kW
Dimensions ¹⁾	500×372×450 mm
Mass ²⁾	22.9 kg
Oil volume	3 l
Maximum fill volume	3.0 l
Standard fill volume	2.2 l
Turbo function	included



P 630 OG

ITEM NO. 81-53-27

Drive	4-stroke petrol engine
Connection	1 device
Operating pressure	700 bar
Flow rate low-high pressure	3.2-0.7 l / min
Output	1.6 kW
Dimensions ¹⁾	420×304×408 mm
Mass ²⁾	15.9 kg
Maximum fill volume	3.0 l
Standard fill volume	1.7 l



P 605 OE

ITEM NO. 81-53-60

Connection	1 device
Flow rate low-high pressure	2.7-0.6 l / min
Dimensions ¹⁾	457×200×319 mm
Mass ²⁾	*without battery 12.5 kg
Oil volume	5 l

ACCESSORIES



HAND PUMP
LH2 / 1.8 L-PN

ITEM NO. 81-50-35

Flow rate	
low-high pressure	17 cm³-1.55 cm³
Dimensions	655×200×160 mm
Mass	9.8 kg
Oil volume	1.8 l



EXTENSION
HOSE PAIR

ITEM NO. 81-63-10
81-63-15

Length	5 m / 10 m / 15 m
--------	-------------------



REEL
SHR 20

ITEM NO. 81-60-20

Length	1×20 m
Mass	18 kg



MONO
HOSE

ITEM NO. 196601000
196604000
196607000

Length	5 m / 10 m / 15 m
Mass	3.65 kg / 6.1 kg / 8.6 kg



LUKAS

LUKA

LUKAS

LUKAS

LUKAS

LUKAS

MADE IN GERMANY

LUKAS AT



CHAPTER 8 LX EQUIPMENT

LX

EXTRAS GLANCE

SAFETY FOR BOTH PEOPLE AND RESCUERS IS PARAMOUNT. WHEN DEVELOPING OUR LUKAS EXTRAS 'LX', WE TOOK THIS PRINCIPLE TO HEART. TO FACILITATE YOUR WORK ON SITE, LUKAS PROVIDES APPROPRIATE PROTECTIVE EQUIPMENT ALONGSIDE THE CLASSIC CUTTING, DOOR OPENING, AND LIFTING KITS. OUR LX PORTFOLIO ALSO INCLUDES NUMEROUS ESSENTIAL AIDS, AS IT IS OFTEN THE SMALL DETAILS THAT SIGNIFICANTLY CONTRIBUTE TO YOUR SUCCESS

LUKAS ASSITANCE TOOLS - ENHANCE EVERY OPERATION

LX



CUTTER AND DOOR OPENER SETS



**HTS 99
HYDRAULIC
DOOR OPENER**
ITEM NO. 81-81-22

Stroke	100 mm
Spreading force	90 kN
Dimensions ¹⁾	400×310×190 mm
Mass ²⁾	13.0 kg



**LCS 99
MINI CUTTER**
ITEM NO. 81-81-11

Blade opening	40 mm
Max. cutting force	75 kN
Dimensions ¹⁾	400×310×190 mm
Mass ²⁾	10.0 kg



**HTS 99 / LCS 99
COMBI KIT**
ITEM NO. 81-81-32

Stroke	100 mm
Spreading force	90 kN
Blade opening	40 mm
Max. cutting force	75 kN
Dimensions ¹⁾	400×310×190 mm
Mass ²⁾	16.0 kg

1) L×W×H 2) without power supply unit or rechargeable battery

LIFTING SETS

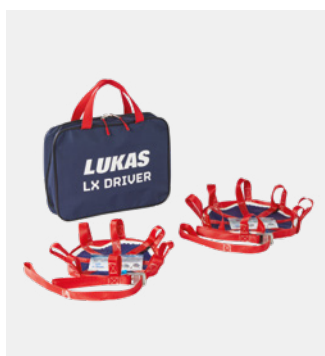


H1 ITEM NO. 81-82-10	Hand pump with connection hose	2×
	Ram	2× LKZ 15 / 50, 2× LKZ 15 / 150
	Two-way manifold valve with 2×5 m hose	1×
	Foot plates	2×
	Foot lifters	2×
	Wedge pieces	2×
	Extension	2×
	Operating pressure	700 bar
	Lifting force	150 kN
	Dimensions ¹⁾	2 pieces, each 600×400×200 mm
	Mass ²⁾	53.4 kg

H2 ITEM NO. 81-82-20	Hand pump with connection hose	1×
	Ram	2× LKZ 15 / 50
	Two-way manifold valve with 2×5 m hose	1×
	Foot plates	2×
	Foot lifters	2×
	Wedge pieces	2×
	Extension	2×
	Operating pressure	700 bar
	Lifting force	150 kN
	Dimensions ¹⁾	1 piece, 600×400×200 mm
	Mass ²⁾	35.5 kg

1) L×W×H 2) without power supply unit or rechargeable battery

LUKAS EXTRAS

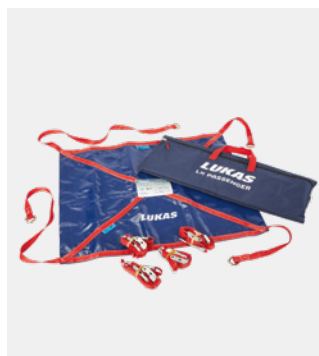


LUKAS DRIVER

ITEM NO. 81-74-30

Dimensions¹⁾ 400×290×80 mm

Mass 1.7 kg



LUKAS PASSENGER

ITEM NO. 81-74-31

Dimensions¹⁾ 700×300×20 mm

Mass 4 kg



LUKAS COVER S

ITEM NO. 81-74-50

Dimensions¹⁾ 410×370×180 mm

Mass 4 kg

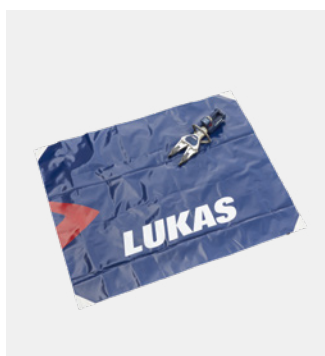


LUKAS COVER L

ITEM NO. 81-74-51

Dimensions¹⁾ 410x370x180 mm

Mass 7 kg



LUKAS BASE

ITEM NO. 81-74-40

Dimensions 2.5×2.0 m

Packing size¹⁾ 750×250×150 mm

Mass 3.7 kg



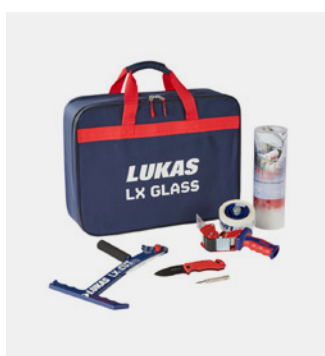
LUKAS SCOUT

ITEM NO. 81-75-10

Light output 14,000 lumen

Dimensions¹⁾ 340×292×278 mm

Mass 4.9 kg



LUKAS GLASS

ITEM NO. 81-71-40

Dimensions¹⁾ 520×390×135 mm

Mass 5 kg

SUBSTRUCTURE MATERIAL



**SUPPORT
SET 1
BLOCKS AND
WEDGES**
ITEM NO. 81-72-80

Mass 12.5 kg



**SUPPORT
SYSTEM –
STEP CHOCK**
ITEM NO. 81-72-30

Mass 8.2 kg



**SUPPORT
SYSTEM –
SUPPORT
BLOCK**
ITEM NO. 81-72-40

Mass 6.7 kg

STABILISATION



LX STRUT
ITEM NO. 81-72-50

Contents	1 support
Retracted length approx.	1,070 mm
Extended length approx.	1,850 mm
Weight per support	5.1 kg
Max. load on the support in longitudinal direction	2170 kg
Length of webbing	4000 mm

REVOLUTION IN PATIENT RESCUE

LX SWANGARD

ITEM NO. 81-74-35

THANKS TO AN INNOVATIVE HARNESS SYSTEM, THE LX SWANGARD LIFE JACKET ENSURES PATIENTS REMAIN IN A STABLE POSITION WITHOUT REQUIRING CONTINUOUS SUPPORT FROM RESCUE WORKERS. THIS ENHANCEMENT SIGNIFICANTLY IMPROVES PATIENT SAFETY AND SIMPLIFIES THE TASKS OF RESCUE PERSONNEL.



SUPPORT BEARINGS



LX CLAW
(SET S & L)

ITEM NO. 81-68-45

Dimensions ¹⁾	S 347×301×95 mm L 434×376×95 mm
Nominal load	403.5 kN
Mass	S 6.8 kg / L 8.2 kg



LX RAM C

ITEM NO. 81-68-43

Dimensions ¹⁾	305×131×318 mm
Min. opening width	172 mm
Max. opening width	316 mm
Nominal load	269 kN
Mass	13 kg



LX RAM T

ITEM NO. 81-68-44

Dimensions ¹⁾	470×167×191 mm
Nominal load	269 kN
Mass	7.7 kg



LX RAM KIT

ITEM NO. 81-68-41

Dimensions ¹⁾	300×330×130 mm
Mass	8.82 kg

¹⁾ L×W×H

TRUCK RESCUE



LX CABIN
ITEM NO. 81-74-41

Dimensions ¹⁾	460×310×190 mm
Mass ²⁾	6 kg



LX TRUCK
ITEM NO. 81-74-34

Dimensions ¹⁾	370×350×15 mm
Mass ²⁾	1 kg



**RESCUE
PLATFORM
LRP 6**
ITEM NO. 81-73-50

Load	500 kg
Dimensions ¹⁾	1770×850 mm
Mass ²⁾	49 kg

1) L×W×H 2) without power supply unit or rechargeable battery



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FIRE & SAFETY