

Because you never get a second chance

THE SUPERIOR ORIGINAL

Rescue equipment catalogue













Combination eDRAULIC | Cutters | Spreaders | Rescue rams | tools and special | Power units equipment

YOU'VE ONLY GOT ONLY

With the innovative rescue tools from *LUKAS*, you can work more safely, quickly and reliably. They are a match for the latest developments in the automotive industry – today, and tomorrow.











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>

QUICK

LUKAS rescue equipment speeds up your rescues through **ease of use and high performance**. Its superior performance becomes clear when you most need it – on the job. With eDRAULIC, you can rescue with unbeatable speed.



SAFE

The safety of the rescuer and the injured person always has top priority. That is why we develop high-performance products for you, which are easy to use and thought through, right down to the last detail.

RELIABLE

Rescue equipment must always work perfectly. In 1972 **LUKAS** was the first manufacturer to produce a hydraulic cutter and today our products are mainly made in Germany. LUKAS products are used around the world, demonstrating their special quality every day.





You can recognise all products with this easy-to-use star grip via this symbol.





You can recognise all products with this additional performance via this symbol.

THE STAR GRIP

Once you have used equipment with the star grip control, you will never want to use anything else. The reason for this is clear, as no other control system is so easy to use under stress, permitting work in difficult positions without having to twist your wrist.

- + Permits fine control
- + Intuitive use
- + The ability to work precisely keeps rescuers and patients safe
- + For rescuers, work is less strenuous and stressful
- + Handle and control clearly separated

CUTTER GEOMETRY

LUKAS cutters prove their worth in practice with their sophisticated geometry. The curved blades first close at the tips and then pull the object to be cut towards the point where the maximum force is applied. The rescue equipment positions itself correctly and provides you with optimal support when applying the tool and cutting so that you can carry out rescues quickly and safely.

- + Perfect pulling effect
- + The object to be cut is automatically positioned where the most force is applied
- + Significantly reduced cutter wear
- + High reserves for future vehicle generations







You can recognise all products with the advanced eDRAULIC via this symbol.



Thanks to eDRAULIC, ultimate rescue is now a reality. As true pioneers, some time ago **LUKAS** combined the mobility of battery-powered tools with the performance of conventional ones for the first fully fledged electrohydraulic rescue set including cylinder. The result: enthusiastic rescuers worldwide, profiting from development for real-life operations.

- + Specially developed high-performance batteries
- + Super-easy operation press the starter button and go to work!
- Nearly 50% in-vehicle weight reduction compared with conventional complete sets
- + Completely independent in battery mode
- + Permanent power supply at any time via mains adapter
- + Design optimised for rescue
- + Power supply well-protected in housing







You can recognise all products with this rescue-friendly mono coupling via this symbol.

MONO COUPLING

The **LUKAS** mono coupling is a well-thought-out, mature and reasonable technology to connect rescue equipment and power units. The whole system is designed to be able to carry out rescues quickly, safely and reliably.

- + Equipment can be changed quickly during operation
- + Manual pressure release is not necessary
- + Can be freely rotated by 360°
- + Highly resistant to dirt
- + Both lines can be seen and inspected at all times





You can recognise all products with this additional turbo mode via this symbol.

TURBO MODE

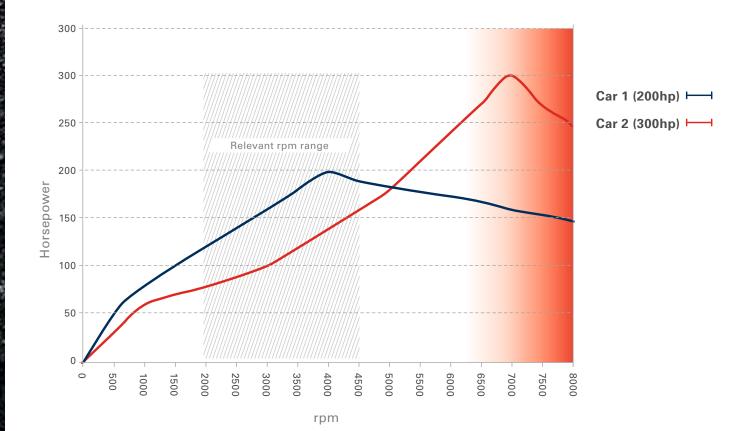
Our latest generation of P 650 power units is equipped with a superior feature – the turbo mode. With a single quick movement, you can combine two oil flows for double working speed. Because in an emergency, every second counts.



WHY HUGE POWER CLAIMS HAVE NOTHING TO DO WITH OPTIMUM RESCUE

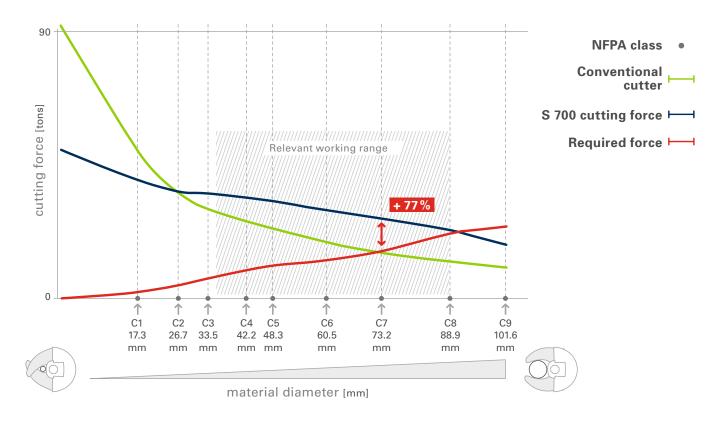
FOR COMPARISON: HORSEPOWER CLAIMS FOR CARS

What use is 300 hp if you can only use it at 7000 rpm? Isn't the better car the one that develops maximum force in the relevant range between 2000 and 4000 rpm? Even if its maximum power is only 200 hp? Of course. And it's the same with cutting force.



>

WHAT COUNTS IS THE WORKING RANGE THAT'S RELEVANT FOR VEHICLE FRAMES!



The material to be cut is compressed more and more by the blades – up to the point when cutting actually begins. This working range applies for material cross sections from around 35 to 89 mm.

But the theoretically calculated maximum cutting power only applies for a material diameter of almost zero – **completely irrelevant for real operations!**

So you could cut a hair with maximum power – but what about the B-pillar?

The **S 700** and **S 700 E eDRAULIC** provide up to **77% more cutting performance** exactly when it counts: when cutting vehicle frames.

True superiority only shows in operation, not in tables.



See a video of cutting performance in the NFPA test: www.lukas.com





eDRAULIC



S700E | S311E | SP300E | SC350E | SC250E | R411E



THE ONE AND ONLY. THE ORIGINAL.

LUKAS is the first manufacturer worldwide to combine the mobility of electrohydraulic rescue tools with the high performance of hose-connected devices. Rely on the original! For the fastest and safest rescue operations. eDRAULIC tools are in service for some time with numerous fire brigades worldwide – and all are very enthusiastic. The eDRAULIC connection is designed for the special needs of rescuers, well-protected and perfectly integrated in the housing.

THE ORIGINAL WITH OPTIMUM PERFORMANCE

The top set of rescue equipment for modern accident rescue thanks to superior handling and high performance reserves for future-generation vehicles.

- + A complete rescue set that makes power units and hoses obsolete
- + Clear advantage in operational performance, e.g. 77% more cutting performance with the S 700 E
- + All performance features are fully targeted at actual use
- + On-off principle: press the button and start working

THE ORIGINAL WITH THE FREEDOM BONUS

Once you've experienced it, you'll never want anything else. Leave hoses and power units behind you and experience the best in rescue – either completely free with battery or with permanent power supply.

- + Makes rescue faster and safer
- + eDRAULIC takes up much less space in your vehicle
- + Approx. 50% lighter than a conventional rescue set





THE ORIGINAL WITH THE RESCUE BATTERY

The battery in the eDRAULIC is no off-the-shelf product – it was specially developed for **LUKAS**. It's designed to deliver the performance that's needed in critical moments – so you can always rescue with full power.

- + Maximum freedom of movement especially in traffic pile-ups and off-road
- + One battery type for all tools
- + Quick switch from mains to battery operation
- + Illuminated battery compartment for night work
- + Housing protects the battery
- + Protection against moisture: protection class IP44





THE ORIGINAL IN USE







S700E

ULTMATELIBERTY.





360° view, videos and more pictures? Just scan the QR code









The S 700 E frees your mind! Whatever comes, you can cut it. No matter where. Because it combines the best cutting performance of all time with liberating eDRAULIC- technology.

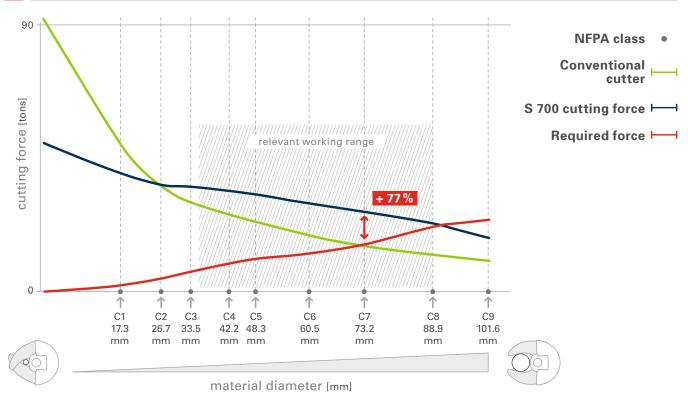
Advantages

- + Optimised for current and upcoming vehicles with stronger and wider car posts: more power where you need it.
- + Superior C-shaped blades for the perfect pull effect.
- + Intelligent cutter geometry causes the cutter to automatically adopt the optimal position.
- + Up to 77% more cutting force in the relevant work area than our previous top tool.
- + Large performance reserves for future vehicle generations.





DEVELOPED FOR REALITY.



Technical Data	S 700 E
Blade opening	7.28 in. / 185 mm
Dimensions: I x w x h	36.4 x 11.8 x 11.4 in. / 925 x 300 x 290 mm
Weight*	54.0 lbs / 24.5 kg
NFPA-Classes	A8/ B9/ C8/ D9/ E9
EN-Cutting Class	н

S311 E

AGILE COMPACT FREE





Scan this code for further information







S311 E

The "little brother" of the S 700 E is particularly convenient, and its sophisticated blade geometry means that it is fully optimised for vehicle extrication. Rescue workers value its combination of cutting performance and blade opening – not to mention its low weight.

Advantages

- + Optimal blade geometry for more force at the right point
- + High cutting performance
- + Lightweight and well-balanced design is less tiring
- + High reliability in use due to robust blades with a long service life

In

In use







Technical Data	S311 E
Blade opening	5.91 in. / 150 mm
Dimensions: I x w x h	33.9 x 8.9 x 11.4 in. / 860 x 225 x 290 mm
Weight*	42.8 lbs / 19.4 kg
NFPA-Classes	A7/ B8/ C6/ D7/ E7
EN-Cutting Class	G

^{*}Weight without battery or power supply

SP300E





360° view, videos and more pictures? Just scan the QR code





SP300E

With this new, completely redesigned top spreader nothing can stop you during a vehicle extrication. It offers the perfect combination of strength, blade opening and convenient weight. Standard equipment: diamond tips



SUPERIOR DIAMOND TIPS

Our specially developed diamond tips are especially designed for vehicle extrication. Their extra-flat tips and special surface finish give them an extremely good grip. They will enable you to penetrate even the narrowest gaps for faster and safer rescues.



In use





Quick-change tip package "Universal"
Multifunction tip for additional
applications including peeling,
crushing and pulling.



KSV 11 chain set

Length 6.6 ft. / 2 x 2 m

Technical Data	SP300E
Spreading force	8,090-28,100 lbs / 36-125 kN
Spreading distance	23.8 in. / 605 mm
Pulling force up to	7,000 lbs / 31 kN
Pulling distance	18.7 in. / 475 mm
Dimensions: I x w h	35.2 x 14.0 x 11.4 in. / 895 x 355 x 290 mm
Weight*	45.2 lbs / 20.5 kg

SC350 E 1 SC 250 E

LIGI-ITW/EIGI-IT COMBITOOL -WITH TOTAL FREEDOM OF MOVEMENT.







ONE MAN, ONE TOOL-NO PUMP.



360° view, videos and more pictures? Just scan the QR code





SC 350 E

This multi-talent shows its superiority, especially in first response vehicles, helicopters and motorcycles. Whenever a rescue scene requires fast response or it is difficult to reach, the SC 350 E shows its strengths.

Advantages

- Faster cutting and spreading without tool change
- + Significantly reduced space requirements
- + Fast work due to short opening and closing time
- + Battery life in operation: 30 minutes
- + Enough battery capacity to free people from at least one vehicle
- Work without interruption thanks to the simple battery change
- + Switch to mains operation possible at any time
- + Intelligent Star grip control for intuitive and safe working

SC 250 E

Whether in civil defence, first response or urban search and rescue (USAR), when casualties are hard to reach and where every gram counts when transporting rescue equipment, the lightweight SC 250 E is an indispensable companion. For its weight class, the SC 250 E demonstrates convincing cutting performance for preliminary work at rescue sites. You can continue working without changing tools, prying open even the narrowest of openings with the flat tip to free casualties.

Advantages

- + Minimal space needs
- + Size and weight reduced for maximum freedom of movement
- + Especially suited to advance vehicles, motorcycles or helicopters
- + For operations at traffic pile-ups or in rough terrain
- + Independent of external power sources; total freedom with battery operation
- + Extended operation with mains adapter at any time





Battery bag for three batteries



Carrying bag for SC 350 E



Case for SC 350 E and accessories



Chain set KSV 8

Technical Data	SC350E	SC250E
Cutting force up to	80,935 lbs / 360 kN	62,944 lbs / 280 kN
Round steel up to**	1.18 in. / 30 mm	1.02 in. / 26 mm
Spreading force up to	78,687 lbs / 350 kN	91,044 lbs / 405 kN
Spreizkraft 25 mm spitzeneinwärts	9,105 lbs / 40,5 kN	7,531 lbs / 33,5 kN
Spreading distance	14.2 in. / 360 mm	12.5 in. / 318 mm
Pulling force up to	9,218 lbs / 41 kN	7,194 lbs. / 32 kN
Pulling distance	14.6 in. / 371 mm	13 in. / 330 mm
Dimensions: I x w x h	35.75 x 8.86 x 11.42 in. / 908 x 225 x 290 mm	34.26 x 8.47 x 11.62 in. / 870 x 215 x 295 mm
Weight*	43.7 lbs / 19.8 kg	37.3 lbs / 16.9 kg
NFPA-Classes	A6/ B7/ C7/ D7/ E7	A6/ B6/ C6/ D7/ E7
EN-Cutting Class	Н	F

^{*}Weight without battery or power supply

^{**} according to EN 13204, NFPA 1936

R411 E

LIBERTY THROUGH





360° view, videos and more pictures?
Just scan the QR code







This rescue ram is extremely compact and convincing in practice. The claws at the two ends can be rotated by 360°, enabling you to apply the ram correctly in any situation.

Advantages

- + first rescue ram without hoses
- + Extracted length (with extension) up to 1205 mm
- + extremely solid assembly for safe operation
- + claws can be rotated by 360°

In use



Accessories



Extension 11.8 in. / 300 mm for R 411 E





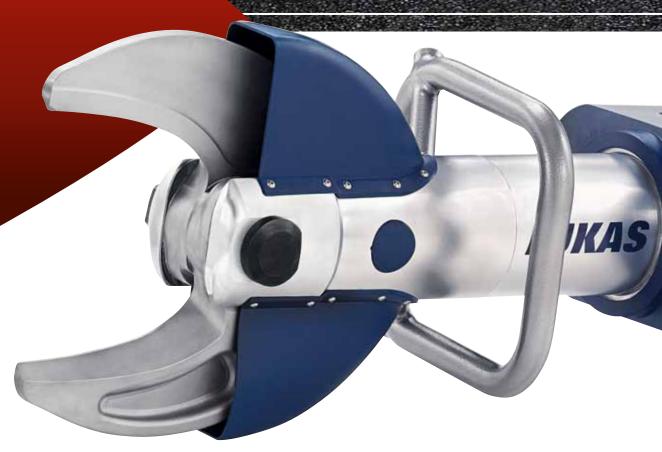
Patented ram support LRS-C



Technical Data	R411E
Piston stroke	14.2 in. / 360 mm
Lifting force	23,156 lbs / 103 kN
Retracted length	21.5 in. / 545 mm
Extended length	35.6 in. / 905 mm
Extended length with extension	47.4 in. / 1205 mm
Dimensions: I x w x h	21.5 x 5.9 x 10.4 in. / 545 x 150 x 265 mm
Weight*	37.3 lbs / 16.9 kg

^{*}Weight without battery or power supply





SPECIAL HIGH-PERFORMANCE BATTERIES, DEVELOPED FOR RESCUE.

The high-performance batteries used in the eDRAULIC tools deliver the power for a 30-minute rescue operation, enough to rescue people from at least one vehicle. And the batteries can be inserted in a jiffy. Total freedom of movement with performance equal to or even better than in motor pump mode – that's superiority in action.



Fast change from cable to battery operation, both fit in same compartment



Illuminated battery compartment for night work



LED illumination of work area without extra battery



MORE IMPORTANT FACTS:

- + One battery type for all eDRAULIC products
- + Almost no self-discharge full power even after 6 months
- + Full performance down to -20 °C
- + Current charge status is shown by indicator light



Same battery charger 12-24 V / 110 V / 230 V, same battery type (with charge indicator), same power supply $\,$ 110 V / 230 V for all tools



Whatever happens.

You can deal with it.

Complete sets









Heavy duty kit

Vehicle extrication kit

Light rescue kit | First response kit





Heavy-duty kit | High-performance kit





FOR THE MOST DIFFICULT RESCUE OPERATIONS.

The heavy-duty kit is the convenient rescue set with which your team can deal with even the most serious accidents. You are always on the safe side with this set, even if you are called to collisions involving trucks, buses, trams or trains.

WEBCODE: mwutga

Heavy-duty kit

- + S 700 high-performance cutter
- + SP 510 large spreader
- + KSS 20 set of chains
- + R 420 telescopic rescue ram
- + R 424 telescopic rescue ram
- + High-performance P650 Simo including DHR 20 dual hose reel
- + Free choice between gasoline or electric motor
- + Equipment tray and carrying handles

High-performance kit

- + S 700 high-performance cutter WEBCODE: pjutse
- + SP 310 spreader
- + KSS 20 set of chains
- + R 420 telescopic rescue ram
- + R 424 telescopic rescue ram
- + High-performance P650 Simo including DHR 20 dual hose reel
- + Free choice between gasoline or electric motor
- + Equipment tray and carrying handles



Vehicle extrication kit 🕞 🕸 📭 🐵













THE KIT FOR IDEAL RESCUE FROM AN ACCIDENT.

This is the rescue set for teams which are frequently called to traffic accidents. With two rescue rams and the high-performance cutter, the vehicle extrication kit contains everything that you need. All of the tools have adequate reserves to cope with modern types of vehicles. WEBCODE: tbasot

The set contains:

- + S 700 high-performance cutter
- + SP 310 spreader
- + R 420 telescopic rescue ram
- + R 424 telescopic rescue ram
- + High-performance P650 Simo plus 2 x 32.8 ft. / 2 × 10 m pairs of hoses
- + Free choice between gasoline or electric motor



In use



Light rescue kit





LIGHTWEIGHT AND MOBILE COMPLETE KIT.

The light rescue kit is for teams who need compact equipment as they are rarely called out to traffic accidents. With spreader and rescue cutter from the lightweight series, plus a telescopic rescue ram and power unit, the kit contains all important rescue equipment.

WEBCODE: Idusae

The set contains:

- + S 311 cutter
- + SP 300 spreader
- + P 630 SG motor pump
- + R 420 telescopic rescue ram
- + 2 pairs of extension hoses 32.8 ft. / 10 m long







First response kit







FOR THE FIRST MEASURES TO BE TAKEN AT THE SITE OF AN ACCIDENT.

The first response kit is intended for those vehicles which are first to arrive at a scene. It allows rescue services first access to the injured. With a lightweight combination unit and a portable power unit, it guarantees maximum mobility.

WEBCODE: byxtzs

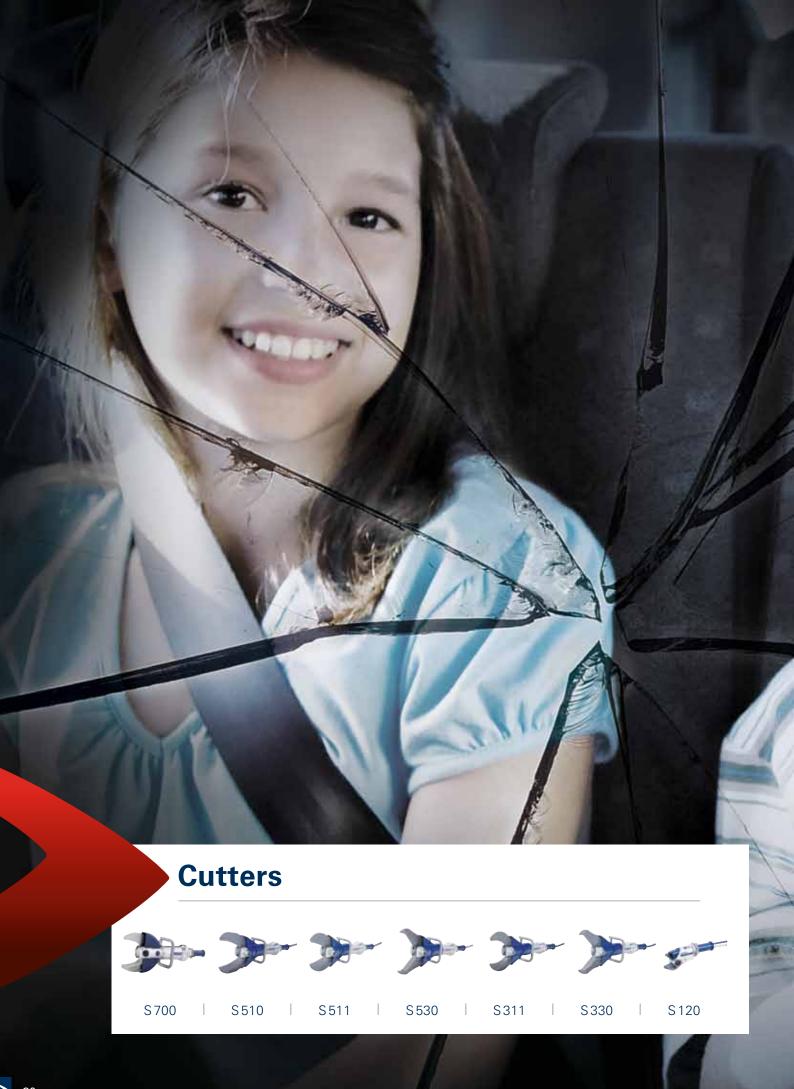
The set contains:

- + SC 357 combination tool
- + P 600 OE power unit
- + Pair of connecting hoses 16 ft. / 5 m long



In use







S 700

THALPIA CUTER





360° view, videos and more pictures? Just scan the QR code





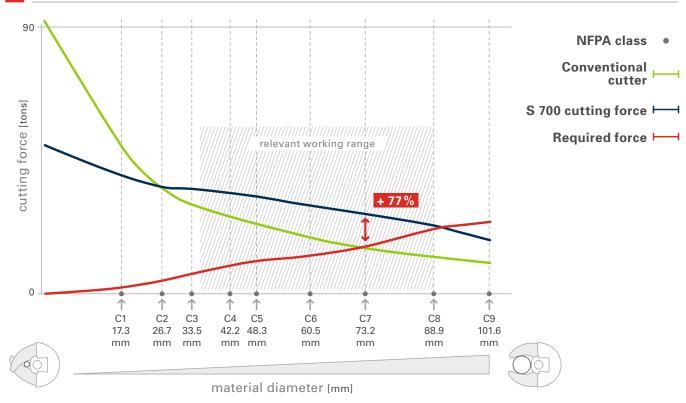




The S 700 is a completely new development, based on years of research. In the relevant range of cutting force, it markedly outperforms all previous LUKAS cutters.

This innovative and superior cutter gives you maximum power reserves. The perfectly matched force application and pull effect deliver ultimate performance that can overcome any vehicle geometry.

DEVELOPED FOR REALITY.



The car posts you need to cut are getting ever thicker and more stable. To ensure that you are optimally prepared, LUKAS no longer takes part in the race for theoretical maximum force. With the S 700, we have instead developed a cutter in which blade opening and force application are perfectly matched to the relevant working range.

In comparison with our previous top cutter (S510), you can see clearly that the new S 700 reaches its greatest strength earlier, delivering its best performance at large diameters.

In use



Intuitive operation with the star grip



Perfect pull effect

THE ALPHA CUTTER IN DETAIL.



In use





In use







360° view, videos and more pictures? Just scan the QR code

Technical data	S 700
Blade opening	7.28 in. / 185 mm
Oil volume	19.8 cu. in. / 325 cm ³
Dimensions: I x w x h	31.1 x 11.8 x 10.2 in. / 790 x 300 x 258 mm
Weight	46.9 lbs / 21.3 kg
NFPA-Classes	A8/ B9/ C8/ D9/ E9
EN-Classification	BC 182 H-21

S 510

THE ESTABLISHED ALL-ROUNDER.











With the S 510 you can cut current vehicle-sections very reliable. It has a very well-balanced relationship between long cut, optimal pull effect, force and weight. Numerous firebrigades around the world already value this fully developed cutter in practice.

Advantages

- + Long blades with optimum pull-in effect
- + high cutting performance
- + highest reliability in use
- + robust blades with a long service life











Technical data	S510
Cutting force up to*	216,276.9 lbs / 962 kN
Round steel up to diameter**	1.5 in. / 39 mm
Blade opening	7.9 in. / 202 mm
Oil requirement	9.2 cu. in. / 150 cm ³
Dimensions: I × w × h	30.6 x 9.4 x 6.7 in. / 776 x 240 x 170 mm
Weight	41.7 lbs / 18.9kg
NFPA-Classes	A8/ B9/ C7/ D8/ E9
EN-Classification	CC 202 H-19







CUT WITH MAXIMUM FORCE.

The S 511 is our most powerful cutter and applies maximum force to the blades. This is particularly important if you have to cut solid B columns or materials made of high-tensile or ultra-high-tensile steel.

Advantages

- + up to 119 tons of cutting force offer enormous reserves of performance
- + Optimum blade geometry for maximum cutting force
- + High reliability in use due to robust blades with a long service life

In use



Technical data	S 5 1 1
Cutting force up to*	268,435.3 lbs / 1194 kN
Round steel up to diameter**	1.7 in. / 43 mm
Blade opening	6.4 in. / 162 mm
Oil requirement	9.2 cu. in. / 150 cm ³
Dimensions: I × w × h	29.4 x 9.5 x 6.7 in. / 746 x 240 x 170 mm
Weight	41.2 lbs / 18.7 kg
NFPA-Classes	A8/ B8/ C7/ D8/ E9
EN-Classification	BC 152 H-19









THE CUTTER THAT OPENS WIDEST.

You are in the right place if you need the widest opening. By combining a very wide opening and very long, straight blades, the S 530 cutter is the right tool to cut rescue openings or access holes.

Advantages

- + Very wide blade opening of 11.7 in. / 297 mm
- + High reliability in use due to robust blades with a long service life





Technical data	S 5 3 0
Cutting force up to*	228,192.5 lbs / 1015 kN
Round steel up to diameter**	1.5 in. / 39 mm
Blade opening	11.7 in. / 297 mm
Oil requirement	9.2 cu. in. / 150 cm ³
Dimensions: I × w × h	30.7 x 9.7 x 6.7 in. / 780 x 245 x 170 mm
Weight	39.9 lbs / 18.1 kg
NFPA-Classes	A8/ B7/ C7/ D8/ E9
EN-Classification	CC 200 H-18

S311

THE TOP PRODUCT NITHE COMPACT-CLASS.





Scan this code for further information





The blade geometry of the S 311 cutter was specially developed for vehicle rescue, matching the particular requirements. It provides an unbeatable combination of opening range, cutting power and low weight. It is the top product amongst lightweight rescue cutters and thousands are in use worldwide.

Advantages

- + Optimal blade geometry for more force at the right point
- + High cutting performance
- + Lightweight and well-balanced design is less tiring
- + High reliability in use due to robust blades with a long service life











Technical data	S311
Cutting force up to*	144,500 lbs / 642 kN
Round steel up to diameter**	1.3 in. / 33 mm
Blade opening	6 in. / 150 mm
Oil requirement	5.9 cu. in. / 98 cm³
Dimensions: I × w × h	27.7 x 7.5 x 6.3 in. / 705 x 190 x 160 mm
Weight	31 lbs / 13.9 kg
NFPA-Classes	A7/ B8/ C6/ D7/ E7
EN-Classification	BC 150 G-14









High cutting force, wide opening and long blades are the great advantages of the S 330. Its performance is always masterful, e.g. when used by factory fire brigades or across the entire field of technical assistance when emergencies occur.

Advantages

- + Wide blade opening
- + High cutting performance
- + High reliability in use due to robust blades with a long service life
- + Lightweight and well-balanced design is less tiring





Technical data	S 330
Cutting force up to*	138,500 lbs / 616 kN
Round steel up to diameter**	1.3 in. / 33 mm
Blade opening	8.9 in. / 228 mm
Oil requirement	5.9 cu.in. / 98 cm³
Dimensions: I × w × h	28.6 x 8.3 x 6.4 in. / 726 x 211 x 163 mm
Weight	32.6 lbs / 14.8 kg
NFPA-Classes	A7/ B7/ C7/ D8/ E8
EN-Classification	BC 175 H-15







MINI-CUTTER FOR USE IN TIGHT SPACES.

Handy mini-cutter with the highest cutting force in its class. It is particularly suitable for rescue work in tight spaces. For example to remove pedals, steering wheels or headrests.

Advantages

- + Ideal for use in tight spaces
- + Very high cutting performance
- + Very lightweight due to compact construction
- + Intuitive one-hand operation

In use



Technical data	S 120
Cutting force up to*	41,140 lbs / 183 kN
Round steel up to diameter**	0.86 in. / 22 mm
Blade opening	2.1 in / 53 mm
Oil requirement	1.04 cu. in. / 17 cm³
Dimensions: I × w × h	13.6 x 5.1 x 3.4 in. / 346 x 130 x 87 mm
Weight	9.5 lbs / 4.3 kg
NFPA-Classes	A4/ B3/ C2/ D3/ E3
EN-Classification	AC 53 B-4













SP310

SP300

SP510

SP512

Accessories



SP 310

CIEVIEL IOP-DEPORMANCE SPEADER



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The SP 310 is the clear number one among spreaders as it combines the best mix of force, weight, opening width and handling. Its flexibility fills rescue organisations around the world with enthusiasm. Thanks to its patented multifunction tips and unique ergonomic design, it can spread, peel, pull and squeeze, without the need for changing tips. Thus your rescue work becomes even quicker and safer. Discover its superior performance in practical use. Standard equipment: multifunction tips

Advantages

- + Spreading, peeling, squeezing and pulling with multifunction tips without the need to change tips
- + Strong all-rounder that reliably masters every challenge

Accessories

Quick-change tip package "Diamond"
With extra grip for working on vehicle
bodywork. The flat ends of the
diamond tips have an extremely
good grip and penetrate
even the narrowest gaps.



KSV 11 chain set

Length 2x6.6 ft./2x2m

KSS 20 quick-fit chain set

Length 2 x 7 ft. / 2 x 2,2 m

In use





Technical data	SP 310
Spreading force	10,300 to 69,200 lbs / 46 to 308 kN
Spreading distance	28.3 in. / 720 mm
Squeezing force (with squeezing attachment)	27,430 lbs / 122 kN
Pulling distance	22.6 in. / 573 mm
Pulling force up to	9,200 lbs / 41 kN
Oil requirement	14.8 cu. in. / 243 cm³
Dimensions: I × w × h	30.8 x 13.6 x 7.6 in. / 783 x 345 x 192 mm
Weight	43.9 lbs / 19.9 kg
Certification	NFPA 1936
EN-Classification	AS 46/720-20

SP300









Thanks to its perfect mix of strength, blade opening and low weight, the new SP 300 is perfectly suited to vehicle extrication. Many improved details distinguish the SP 300 from conventional spreaders. For example, its narrow spreader arms and more compact dimensions result in optimum handling. Standard equipment: diamond tips

WITH DIAMOND TIPS!

Our specially developed diamond tips are especially designed for vehicle extrication. Their extra-flat tips and special surface finish give them an extremely good grip. They will enable you to penetrate even the narrowest gaps for faster and safer rescues.



- + Even better performance in practice
- + Diamond tips for improved vehicle extrication
- Extremely flat tips to penetrate the narrowest gaps
- + Special "diamond" surface finish for excellent grip

Accessories

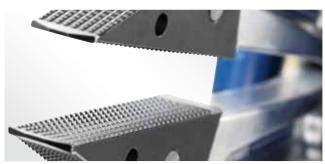
Quick-change tip package "Universal"
Multifunction tip for additional
applications including peeling,
crushing and pulling.

KSV 11 chain set

Length 2x6.6 ft./2x2m







Technical data	SP300
Spreading force	8,090-28,100 lbs / 36-125 kN
Spreading distance	23.8 in. / 605 mm
Pulling force up to	7,000 lbs / 31 kN
Pulling distance	18.7 in. / 475 mm
Oil requirement	8.4 cu.in. / 137 cm ³
Dimensions : I x w x h	29.5 x 14.0 x 10.0 in. / 750 x 355 x 255 mm
Weight	38.6 lbs / 17.5 kg
Certification	NFPA 1936
EN-Classification	AS 36/605 - 18









The SP 510 is used for the most difficult rescues worldwide. Its high force, very wide opening and intuitive use permits quick and safe rescue work on vehicles (car, truck, bus, tram) or during events resulting in major damage such as natural disasters.

>

Advantages

- + Peel away steel walls up to approx. 0.16 in. / 4 mm thick
- + Create rescue openings up to 31.5 in. \times 31.5 in. / 80 cm \times 80 cm
- + Spreading, peeling, squeezing and pulling without the need to change tips



WIDE-OPENING SPREADER.

KSV 11 chain set

Length 2x6.6 ft./2x2m

KSS 20 quick-fit chain set

Length 2 x 7 ft. / 2 x 2,2 m

Technical data	SP 510
Spreading force	13,940 to 51,710 lbs / 62 to 230 kN
Spreading distance	31.5 in. / 800 mm
Squeezing force	15,800 lbs / 70.4 kN
Pulling distance	26.2 in. / 665 mm
Pulling force up to	12,365 lbs / 55 kN
Oil requirement	25.9 cu. in. / 425 cm³
Dimensions: I × w × h	35.4 x 15 x 8.5 in / 900 x 380 x 215 mm
Weight	55.1 lbs / 25 kg
Certification	NFPA 1936
EN-Classification	BS 62/800 - 25



POWERFUL SPREADER.

Nothing can stop you when you have an SP 512. Its tremendous power makes it one of the strongest most formidable spreaders worldwide and perfect for the most difficult rescues on heavily deformed vehicles, truck cabins, trains or trams.



Accessories

- + Tremendous force on the multifunction tips
- + Peel away steel walls up to approx. 0.24 in. / 6 mm thick
- + Spreading, peeling, squeezing and pulling without the need to change tips

KSV	13/100	chain	set
-----	--------	-------	-----

Length 2	x 6.6 ft./2 x 2 m
----------	-------------------

Technical data	SP 512
Spreading force	18,880 to 121,400 lbs / 84 to 540 kN
Spreading distance	24 in. / 610 mm
Squeezing force	28,700 lbs / 128 kN
Pulling distance	17.2 in. / 437 mm
Pulling force up to	22,200 lbs / 99 kN
Oil requirement	20.8 cu. in. / 341 cm³
Dimensions: I × w × h	31.3 x 14.9 x 8.5 in. / 795 x 380 x 216 mm
Weight	58.0 lbs / 26.3 kg
Certification	NFPA 1936
EN-Classification	CS 84/610 - 26



She trusts his driving skills.

And they both trust your equipment.

Rescue rams







2-stage

3-stage

Standard

Accessories



R420 I R 422 I R 424

COMPACT AND EXTREMELY STRONG.





Scan this code for further information







Telescopic rescue rams

Rely on the strong rescue rams with a lifting force of up to 27 t. With the two-stage telescopic rescue rams, you can lift and push material out of the way which is impeding your rescue. The most powerful argument for its use is its enormous lift combined with its minimum size. They are simply indispensable when rescuing from vehicles, for accidents on railways or ships or after building collapses or natural disasters.

Advantages

- + Rescue quickly and easily as two telescopic rescue rams replace three standard rams
- + High grip claws on the piston rod and in the base of the cylinder provide a good hold on sloping and smooth surfaces
- + Claws can be rotated 360°



In use



Accessories



Patented ram support **LRS 120**



Patented ram support LRS-C



Ram attachment set for rescue rams, to increase variety of applications

Technical data	R420	R422	R424
Total stroke	22.6 in. / 575 mm	27.8 in. / 705 mm	34.5 in. / 875 mm
Stroke / lifting force, piston 1	11.6 in/ 59,800 lbs / 295 mm/ 266 kN	15.7 in./ 59,800 lbs / 365 mm/ 266 kN	17.5 in./ 59,800 lbs / 445 mm/ 266 kN
Stroke / lifting force, piston 2	11 in./ 29,900 lbs / 280 mm/ 133 kN	14.8 in./ 29,900 lbs / 340 mm/ 133 kN	16.9 in./ 29,900 lbs / 430 mm/ 133 kN
Extended length	41.2 in. / 1055 mm	50.8 in. / 1255 mm	59.1 in. / 1500 mm
Oil requirement	86 cu. in. / 1410 cm ³	106 cu. in. / 1735 cm ³	130.5 cu. in. / 2139 cm ³
Dimensions: I × w × h	18.8 x 4.4 x 8.7 in. / 480 x 112 x 221 mm	21.7 x 4.4 x 8.7 in. / 550 x 112 x 221 mm	24.6 x 4.4 x 8.7 in. / 625 x 112 x 221 mm
Weight	37 lbs / 16.8 kg	41.4 lbs / 18.8 kg	46.3 lbs / 21.0 kg
Certification	EN 13204; NFPA 1936	EN 13204; NFPA 1936	EN 13204; NFPA 1936

WEBCODE: nyxetw WEBCODE: nepqts WEBCODE: qlgzst







THE FIRST 3-STAGE TELESCOPIC RESCUE RAM WORLDWIDE.



LUKAS was the first worldwide manufacturer to have developed a 3-stage rescue ram, making rescues even quicker. With this hydraulic ram, during rescue work in road, rail and air traffic, you can move an enormous distance in a single working action – saving you valuable time.



Advantages

- + Rescues quicker and more safely as only one working process is required with a hydraulic ram
- + Compact dimensions and low weight
- + Minimum size and maximum lift

Technical data	R430
Total stroke	32.2 in. / 820 mm
Stroke piston 1	11.6 in. / 295 mm
Stroke piston 2	11 in. / 280 mm
Stroke piston 3	9.6 in. / 245 mm
Lifting force piston 1	59,800 lbs / 266 kN
Lifting force piston 2	29,900 lbs / 133 kN
Lifting force piston 3	8,800 lbs / 39 kN
Extended length	51 in. / 1295 mm
Retracted length	18.7 in. / 475 mm
Oil requirement	92.4 cu. in. / 1514 cm³
Dimensions w x h	4.4 x 8.7 in. / 112 x 221 mm
Weight	39 lbs / 17.7 kg



In use



Accessories

Patented ram support LRS 120 Patented ram support LRS-C

R410 | R412 | R414

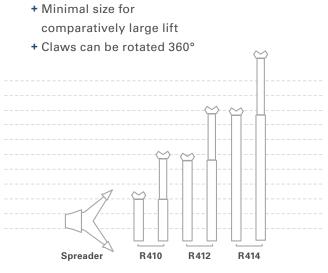






The range of single-stage hydraulic rams is carefully matched in size and extended length so that there are no gaps. Each ram creates an opening into which the next largest ram can be inserted.

Advantages



Acc

Accessories



Extension 10 in. / 250 mm for R 410

Ram attachment set for rescue rams, to increase variety of applications Patented ram support LRS-C Patented ram support LRS 120

Technical data	R410	R412	R414
Piston stroke	12 in. / 300 mm	20 in. / 500 mm	27.6 in. / 700 mm
Lifting force	30,350 lbs / 135 kN	30,350 lbs / 135 kN	27,430 lbs / 122 kN
Retracted length	18 in. / 450 mm	26.5 in. / 680 mm	35.4 in. / 900 mm
Extended length	30 in. / 750 mm	46.5 in. / 1180 mm	63 in. / 1600 mm
Oil requirement	29.1 cu. in. / 477 cm ³	48.5 cu. in. / 795 cm ³	67.9 cu. in. / 1113 cm ³
Dimensions w x h	3.4 x 6.9 in. / 86 x 174 mm	3.4 x 6.9 in. / 86 x 174 mm	3.4 x 6.9 in. / 86 x 174 mm
Weight	28.7 lbs / 13.0 kg	39 lbs / 17.7 kg	53.4 lbs / 24.2 kg
Certification	EN 13204; NFPA 1936	EN 13204; NFPA 1936	EN 13204; NFPA 1936

WEBCODE: nueaqp WEBCODE: mirtzs WEBCODE: loswpa









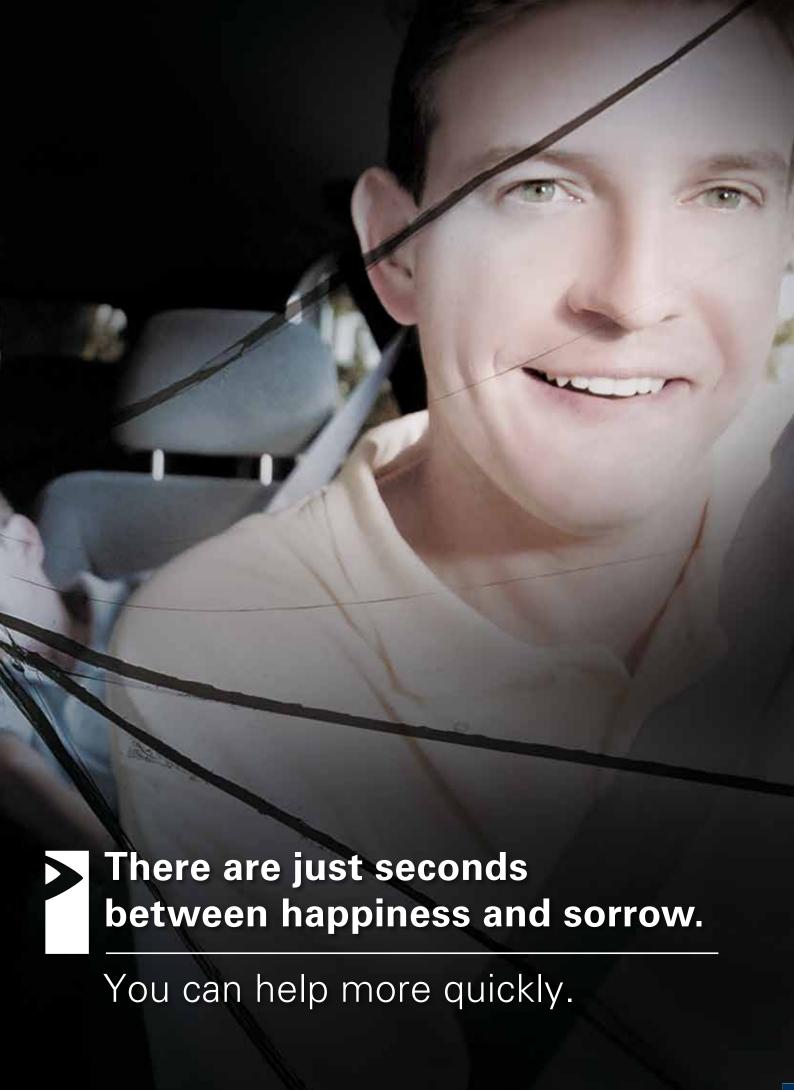


SC 357

SC 557

SC 250 M

LSI531CC



SC 557 1 sc 357

LIGHTWEIGHT AND COMPACT.



UKAS







SC 557

THE LARGE UNIVERSAL TOOL



Scan this code for further information





Combination tools

Combination tools combine both spreader and cutter in a single piece of rescue equipment. Above all, they are suited for getting initial access to the injured, e.g. to ensure that medical first aid can be provided.

In addition, combination units can be used during first response, when providing assistance after an accident, when carrying out rescues in buildings and for civil protection. These compact units have astonishing forces and are very flexible in use.

Advantages

- + Reliable cutting and spreading without the need for reconfiguration
- + Pulling possible with the quick-fit chain set (accessory)
- + Very low amount of oil required ideal for mobile motor pumps

In use



Accessories



KSV 13 chain set for SC 557 KSV 8/50 chain set for SC 357



Technical data	SC357	SC 557
Cutting force up to*	87,005 lbs / 387 kN	182,105 lbs / 810 kN
Round steel up to diameter**	1.25 in. / 32 mm	1.5 in. / 38 mm
Spreading force	8,540 to 175,360 lbs / 38 to 780 kN	9,329 to 258,520 lbs / 41.5 to 1,150 kN
Spreading distance	14.4 in. / 365 mm	16.9 in. / 430 mm
Pulling force up to	11,015 lbs / 49 kN	20,230 lbs / 90 kN
Pulling distance	15 in. / 380 mm	12,4 in. / 315 mm
Oil requirement	4.5 cu. in. / 73.5 cm ³	6.6 cu. in. / 108 cm ³
Dimensions: I × w × h	30.6 x 8.7 x 6.7 in. / 777 x 220 x 170 mm	33.1 x 11.6 x 7.5 in. / 840 x 295 x 190 mm
Weight	32.7 lbs / 14.8 kg	43.7 lbs / 19.8 kg
NFPA-Classes	A7/ B7/ C7/ D7/ E7	A8/ B9/ C8/ D9/ E9
EN-Classification	CK 38/365 H - 15	CK 41/430 H - 20

SC 250 M



The SC 250 M combination tool with built-in hand pump is the affordable entry point for rescue work. It is completely self-sufficient – without power unit, hose or cable. It is instantly ready for use, it can cut and spread without modifications, and is especially suited to rescues in areas at risk of explosion (no sparks), in rough terrain and for equipping rescue helicopters or technical rescue.

Advantages

- + Tool can be rotated through 360° always in the optimum working position
- + Independent of external power sources
- + Light and easy to handle fits in any car or even on motorcycles
- + Integrated hand pump with low leverage due to automatic switching from low-pressure to high-pressure range

Technical data	SC250M
Cutting force up to*	58,678 lbs / 261 kN
Round steel up to**	1.0 in. / 26 mm
Spreading force up to	91,052 lbs / 405 kN
Spreading distance	12.1 in. / 308 mm
Dimensions: I × w × h	33.5 x 7.5 x 6.2 in. / 850 x 190 x 158 mm
Weight	26 lbs / 11,9 kg
NFPA-Classes	A6/ B6/ C6/ D7/ E7
EN-Cutting Class	F



LSI 531 CC concrete crusher 🔞 📭







The new LSI 531 CC concrete crusher clears the path for you. It is the perfect tool for operations in collapsed buildings or to free your path to trapped persons. Handy and versatile - with superior power.

Advantages

- + Crushing and cutting with one tool
- + Dependable cutting and breaking of brickwork
- + Easy cutting of steel reinforcement
- + Little place required
- + Minimal dust formation
- + Low-noise and patientgentle rescuing

Fields of application

- + After collapse of buildings
- + After earthquakes
- + After floods
- + After explosions
- + For U.S.A.R. operations (Urban Search and Rescue)
- + After natural disasters



In use





Technische Daten	LSI 531 CC
Maximum opening	12.2 in. / 309 mm
Crushing force up to	17,984 lbs / 80 kN
Cuts round steel up to	1.18 in. / 30 mm
Dimensions: I x w x h	31.89 x 16.74 x 12.80 in. / 810 x 425 x 325 mm
Weight	58 lbs / 26.3 kg



You will rescue her.

With the right equipment.

Power units









Small & light

| Mobile | High-performance | Hand pumps



P600 OE MAKES PISCUE TOOLS MOBILE





Scan this code for further information





The P 600 OE makes hose-connected rescue tools mobile. It gives you maximum freedom of movement in every situation because it is small, light and easy to handle, and also enables location-independent use of a rescue tool in the optional battery mode.

You have the choice: Operate your rescue tool with mains power or with a high-performance battery. The power unit has a unique energy management system that guarantees you extremely long running times.

Advantages

- + Very patient-friendly: no exhaust fumes, very quiet
- + Small, light (under 22 lbs / 10 kg), easy to use
- + Almost unlimited radius of action
- + Perfect for use at traffic pile-ups or off-road
- + Illuminated oil tank
- + Suitable for one-man operation
- + Efficient energy management in battery mode

Accessories



Battery bag, battery charger 12-24 V / 110 V / 230 V, spare battery, power supply 110 V / 230 V

Technical data	P 600 OE
Flow rate, low pressure – high pressure	146.5 – 27. 5 cu.in/min. / 2.4 – 0.45 l/min
Capacity	91.6 cu. in. / 1.5 l
Usable oil quantity	73.2 cu. in. / 1.2 l
Dimensions: I × w × h	18.9 x 7.2 x 10.1 in. / 480 x 182 x 257 mm
Weight*	18.1 lbs / 8.2 kg

^{*}Weight without battery or power supply

P630SG MCBILL TUREO-DOMER





Scan this code for further information.







Mobile power unit for simultaneous operation of two tools

The gasoline-powered P 630 SG is the perfect power unit for all operations requiring mobility.

It combines light weight and maximum power in a unique way and also features the turbo function to speed up rescues considerably, making it a friend for all helpers who need to change locations quickly.

Advantages

- + Convenient size and light weight for high mobility
- + High flow rate for even faster work
- + Turbo function to double speed during rescue work
- + Practical carry frame for perfect all-round protection
- + Tank level is visible from outside



P630SG in turbo mode

Technical data	P 630 SG
Engine	4- stroke gasoline
Power	2.2 kW / 2,2 kW
Connection	2 tools
Operation	2 tools
Turbo function	included
Flow rate low pressure high pressure	2 x 183 – 2 x 42 cu. in./ min. / 2 x 3,0 – 2 x 0,7 l/ min
Flow rate Turbo low pressure- high pressure	1 x 354 – 1 x 82 cu. in./ min. / 1 x 5,8 – 1 x 1,35 l/min
Standard oil quantity*	134.3 cu. in. / 2,2 l
Maximum oil quantity*	183.1 cu. in. / 3,0 l
Dimensions L x W x H	19.5 x 14.2 x 17.5 in. / 495 x 360 x 445 mm
Weight	52.7 lbs / 23,9 kg

^{*} Fill quantity = useable quantity

WEBCODE: jlasgt

P 650





360° view, videos and more pictures? Just scan the QR code





High-performance power units

Your wish was our command: the new P 650 motor pump series provides what fire fighters really want. Our engineers listened very carefully to interviews with fire fighters all over the world and have developed a power unit that meets their demands even better. The P 650 SE has an electric motor and has been developed to operate two tools at the same time.

CONVENIENT OPERATION

- + All valves accessible from the front
- + Large and well-labelled controls
- + Optimally designed for operation with gloves
- + Tank levels visible from outside





MORE POWER

- + Running two (Simo Power) or four (4 Power) rescue tools at the same time
- + High-performance engines providing enormous power in any load range
- + Always enough power reserves



WITH TURBO FUNCTION

Rescue at twice the speed! Every second counts in rescue operations, which is why LUKAS has provided its P 650 series with a turbo function. With one hand movement you can double the oil flow to one tool in order to work twice as fast. This feature is particularly valuable for operating rescue rams that call for a large volume of oil.



You have a choice between the following variants:

Drive: Gasoline engine (G), or electric motor (E).

Valves: SIMO POWER (S) – simultaneous operation of two rescue tools or 4POWER (4) – simultaneous operation of four rescue tools

Simo Power





Simo Power	P 650 SG (P 650 SG-DHR 20)	P 650 SE (P 650 SE-DHR 20)
Engine	4-stroke gasoline	230 V electric
Connection	Two tools	Two tools
Operation	Two tools	Two tools
Turbo-Function	included	included
Power	4.2 kW	2.2 kW
Electric Starter	included*	-
Max. operating pressure	10,150 psi / 700 bar	10,150 psi / 700 bar
Flow rate, low pressure – high pressure	2 x 189 - 2 x 55 cu. in./min / 2 x 3.1 - 2 x 0.9 l/min	2 x 156 - 2 x 43 cu.in./min / 2 x 2.55 - 2 x 0.7 l/min
Flow rate Turbo, low pressure – high pressure	1 x 369 - 1 x 103 cu. in./min / 1 x 6.05 - 1 x 1.7 l/min	1 x 305 - 1 x 85 cu.in./min / 1 x 5.0 - 1 x 1.4 l/min /
Usable oil quantity	293 cu. in. / 4.8 l	293 cu. in. / 4,8 l
Dimensions: l × w × h	19.1 x 17.3 x 17.5 in. / 485 x 440 x 445 mm 31.9 x 17.3 x 23.2 in. (SG-DHR 20) / 810 x 440 x 590 mm (SG-DHR 20)	19.1 x 17.3 x 17.5 in. / 485 x 440 x 445 mm 31.9 x 17.3 x 23.2 in. (SE-DHR 20) / 810 x 440 x 590 mm (SE-DHR 20)
Weight	92.6 lbs / 42 kg 177.5 lbs / 80,5 kg (SG-DHR 20)	90.4 lbs / 41 kg 174 lbs / 79 kg (SE-DHR 20)
Hose length	2 x 20 m (SG-DHR 20)	2 x 20 m (SE-DHR 20)
Certification	EN 13204; NFPA 1936	EN 13204; NFPA 1936

^{*}optional without electric starter (weight: SG 80.5 lbs / 36.5 kg - SG-DHR 165.4 lbs / 75 kg)

WEBCODE: zuwaet / olvetw (SG-DHR20)

WEBCODE: kowqur / qmyzru (SE-DHR20)

➤ 4 Power	P6504G (P6504G-DHR20)	P 650 4E (P 650 4E - DHR 20)
Engine	4-stroke gasoline	400 V electric
Connection	Four tools	Four tools
Operation	Four tools	Four tools
Turbo-Function	2 x Turbo included	2 x Turbo included
Power	5.1 kW	3.5 kW
Electric Starter*	included*	-
Max. operating pressure	10,150 psi / 700 bar	10,150 psi / 700 bar
Flow rate, low pressure – high pressure	4 x 156 - 4 x 43 cu.in./min / 4 x 2.55 - 4 x 0.7 l/min	4 x 134 - 4 x 37 cu.in./min / 4 x 2.2 - 4 x 0.6 l/min
Flow rate Turbo, low pressure – high pressure	2 x 305 - 2 x 85 cu.in./min 2 x 5 - 2 x 1.4 l/min	2 x 262 - 2 x 73 cu.in./min 2 x 4.3 - 2 x 1.2 l/min
Usable oil quantity	293 cu. in. / 4.8 l	293 cu. in. / 4.8 l
Dimensions: I × w × h	19.1 x 17.3 x 17.5 in. / 485 x 440 x 445 mm 31.9 x 17.3 x 23.2 in. (4G-DHR 20) 810 x 440 x 590 mm (4G-DHR 20)	19.1 x 17.3 x 17.5 in. / 485 x 440 x 445 mm 31.9 x 17.3 x 23.2 in. (4G-DHR20) 810 x 440 x 590 mm (4G-DHR20)
Weight	108 lbs / 49 kg 199.5 lbs / 90.5 kg (4G-DHR20)	106 lbs / 48 kg 198 lbs / 90 kg (4G-DHR20)
Hose length	2 x 20 m (4G-DHR20)	2 x 20 m (4E-DHR 20)
Certification	EN 13204; NFPA 1936	EN 13204; NFPA 1936

^{*} optional without electric starter (weight: 4G 96 lbs / 43.5 kg - 4G-DHR)



POWER FOR FOUR!

4 Power is the first power unit with enough hydraulic power to operate up to four rescue tools at the same time.

Advantages

+ Four times full power

4 POMER:

- + Ideal for multiple accidents enabling you to work on several vehicles at once
- + No additional space needed: same small dimensions as Simo Power
- + Double turbo function: you can operate two tools in turbo mode at the same time, or one with turbo and two others in standard mode.



4 tools in use



2 tools in turbo mode

Power Units with hose reels





P6504G-DHR20

Power Unit P650 4G with hose reels

Hose reels come with 60 ft. / 20 m hoses. Other hose lengths available upon request. Equipped as standard with equipment tray.



Hoses and hose reels





The portable single hose reel with luminescent hoses is very handy and can either remain in the vehicle or can be carried to a location closer to where it is needed.



- + Luminescent hoses for increased safety in the dark
- + Can be rolled out and rolled up under pressure
- + Kink protection in different colours for better differentiation
- + Mechanical brake for both hose reels
- + The hoses' safety factor is more than 4:1

Technical data	DHR 20	
Length	2 x 66 ft. / 2 x 20 m	
Weight	72.5 lbs / 32.9 kg	

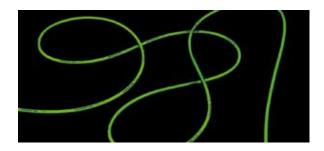
WEBCODE: uilesp

Technical data	SHR 20	
Length	66 ft. / 20 m	
Weight	35.3 lbs / 16 kg	

WEBCODE: hktebu



Rescue work at night is difficult enough. So it's good if hoses don't trip you. This is why our hoses are luminescent, making rescue work safer in the dark.





Extension hose pair

Luminescent extension hose pair available in 16 ft./5 m and 32,8 ft./10 m standard length.



Handpumpen



Hand pumps are an important back-up, for use in buildings, when there is a risk of explosion or if no electricity is available to drive the rescue equipment. They belong to the standard equipment for a rescue team.



Advantages

- + Low weight, easy to use, very mobile
- + Automatic switch-over from low to high pressure for quick work

Technical data	ZPH 3/4	LH 2/1,8-70 DIN
Flow rate. low pressure*	1.1 cu. in. / 10.8 cm³	1 cu. in. / 17 cm³
Flow rate, high pressure*	0.3 cu. in. / 4.2 cm ³	0.1 cu. in. / 1.55 cm ³
Capacity	320.4 cu. in. / 5.25 l	146.5 cu. in. / 2.4 l
Usable oil quantity	244 cu.in. / 4 l	110 cu. in. / 1.8 l
Dimensions: I × w × h	30.5 x 5.9 x 9.1 in. / 775 x 150 x 230 mm	25.8 x 7.9 x 6.3 in. / 655 x 200 x 160 mm
Weight	25.4 lbs / 11.5 kg	21.6 lbs / 9.8 kg

*lever stroke WEBCODE: iketzw WEBCODE: fgzuet



Cutter and door opener sets | Lifting sets | Glass management

Protective equipment | Support systems | Lifting gear for heavy loads



You can get him out.

With superior equipment.





Cutter and door opener sets

MINI CUTTER SET



Cutter set for work in a tight space.

- + Cutting inside vehicles, e.g. steering wheel, gear lever and pedals
- + Cutting grill rods and other metal constructions for accidents in buildings
- + Handy and lightweight
- + Especially suitable for use when there is a risk of explosion as no sparks are produced
- + Storage and transport in a practical case

HYDRAULIC DOOR OPENER



Door opener set operated with a hand pump.

Opens metal doors with multiple locks or firesecurity doors, accidents or police work in buildings.

DOOR OPENER AND MINI CUTTER SET



Two sets in one.

Both of the above described sets in a transport case with a hand pump and a connection hose.

Technical data	LSH4	HTS90	HTS90 LSH4
Cutting force	16,800 lbs / 75 kN	-	16.800 lbs / 75 kN
Spreading force	-	20.000 lbs / 90 kN	20.000 lbs / 90 kN
Stroke	-	4 in. / 100 mm	4 in. / 100 mm
Blade opening	1.6 in. / 40 mm	-	1.6 in. / 40 mm
Set weight	20 lbs / 8.8 kg	28 lbs / 12.8 kg	38 lbs / 17.1 kg

WEBCODE: upqzet

WEBCODE: qonatz

WEBCODE: dpwiez





Lifting sets are an important part of your equipment for lifting and stabilising loads.

Technical data	H1	H2
Hand pump with connecting hose	2 x	1x
Hydraulic ram	2 x LKZ 15/150	2 x LKZ 15/150
Hydraulic ram	2 x LKZ 15/50	-
Two-way distribution valve with 2 x 16 ft hose	1 x	1 x
Base plate	2 x	2 x
Base lifter	2 x	2 x
Wedges	2 x	2 x
Extensions	2x	2x
Storage boxes	2 x 23.6 x 15.7 x 8.7 in. / 2 x 600 x 400 x 220 mm	1 x 23.6 x 15.7 x 8.7 in. / 1 x 600 x 400 x 220 mm
Lifting force	38,500 lbs / 150 kN	38,500 lbs / 150 kN
Operating pressure	700 bar	700 bar
Total weight	117.8 lbs / 53.4 kg	78.3 lbs / 35.5 kg

WEBCODE: wirzqp

WEBCODE: mskort

Glass management



Rescue saws are indispensable to quickly remove panes of laminated glass. The LES 18 also cuts metal, wood and plastic and is thus perfectly suited for work at traffic accidents, in buildings, on rough ground or on turntable ladders.

Application

- + To expose side impact protection for the use of hydraulic cutters
- + To cut through steering wheels
- + To cut through plastic bodywork and plastic parts
- + To remove obstructions made of metal or plastic





Technical data	LES 18	LES 12
Strokes per min	0 - 3200	0 - 3000
Stroke length	1 in. / 25 mm	0.5 in / 13 mm
Li-lon Battery	18 V. 3 Ah	12 V. 1.5 Ah
Dimensions case: I × w × h	23.2 x 13.4 x 6.5 in. / 590 x 340 x 165 mm	17.7 x 12 x 4.5 in. / 450 x 305 x 115 mm
Weight	7.7 lbs / 3.5 kg	2.6 lbs / 1.2 kg

WEBCODE: plauwz

WEBCODE: miwteg



Glass management





The convenient glass management set in a bag.

For the safety of both injured persons and rescue workers and as well for creating supply- and support openings - the convenient glass management set in a bag.

Content:

- + bonding sheet 500 mm, approx. 100 m
- + unwinder with adhesive tape
- + Handsaw WSC1
- + ResQme® spring-loaded punch with beltcutter
- + Carpeting remover
- + Marker
- + 3 pcs. dust mask
- + Measuring tape 3 mv

WEBCODE: olwzqm





Handsaw for laminated glass.

This handsaw cuts and removes glued, laminated panes of glass such as those used in all modern cars, trucks and buses.

WEBCODE: pqizsw





Protects the injured from glass splinters.

The LUKAS splinter guard reliably protects accident victims from glass splinters and is thus an indispensable part of a careful rescue. Depending on the accident scenario and the state of the injured person, it can be used with a transparent window or with a completely closed surface.

WEBCODE: oxvzsw





To smash safety glass.

With the spring-loaded punch you can shatter panes made of safety glass such as the side windows of cars and trucks.

WEBCODE: laquev





Protective equipment



For maximum protection for accident victims and rescuers. LUKAS Air Bag Safes protect both driver and passenger side from late-deploying air bags. Stored in a practical case (driver side) or in a nylon bag (passenger).

WEBCODE: iqrtzw



Advantages

- + Can be fixed before and after cutting out the windscreen and removing the roof
- + Can be used both for left-hand and righthand drive vehicles
- + The system can be quickly fitted



In use



Protective equipment

Protection covers



Protecting the rescuers.

This is how to effectively protect your rescue team from injuries on sharp edges with little effort. The protective bags are put on the cut-off ends of the vehicle columns and are securely fixed with Velcro tape. The protective sheets are used everywhere on the bodywork to cover up sharp edges, e.g. on fender or in the roof area, and are fixed via sewn-in magnets.

With one set, one side of a vehicle and, if necessary, a dangerous roof edge can be covered over. To completely cover both sides, a second set of protective sheeting is required.

WEBCODE: nxbeur



Tool

station



Staying organized

A multifunctional sheet made of tear-proof, waterproof and dirt-repellent material. Among other uses, during a rescue they are used as a central place to keep tools, providing a clear overview and increasing safety.

WEBCODE: rebnla



Protective equipment

PREVENTS CRASHED TRUCK CABS FROM MOVING.





In use





As the suspension of modern trucks' driver cabs often has a negative effect on the state of the injured, rescuers have to minimise the cab's movements. To do that, LUKAS provides a special cab safety kit which can be universally used. It is hooked in on both sides to the holes in the wheel rims and is then tightened with a ratchet or is fixed with a loop around the front axle. WEBCODE: Imqusz





Rescue platform



This rescue platform made of aluminium is for all rescue work requiring elevated access. Stable, lightweight and robust design with non-slip steps and a platform made of aluminium profile.

WEBCODE: bxjeow

Advantages

- + Lightweight, robust design made of aluminium
- + Platform height adjustable from 40 to 60 in. / 0.8 to 1.4 m
- + Extension pieces on all four legs to compensate for height differences in rough terrain
- + Can be folded up to save space and for ease of transportation
- + The platform stands securely on non-slip feet





For more safety the struts are applied diagonally at an angle of 25° to 35°, they are attached to the vehicle bodywork with hooks and are jacked up with a ratchet. It is very quick and easy to manually adjust their length. The complete set consists of two props (adjustable from 48 to 78.7 in. / 1.22 m to 2 m) in a carrying bag.

WEBCODE: xneirp



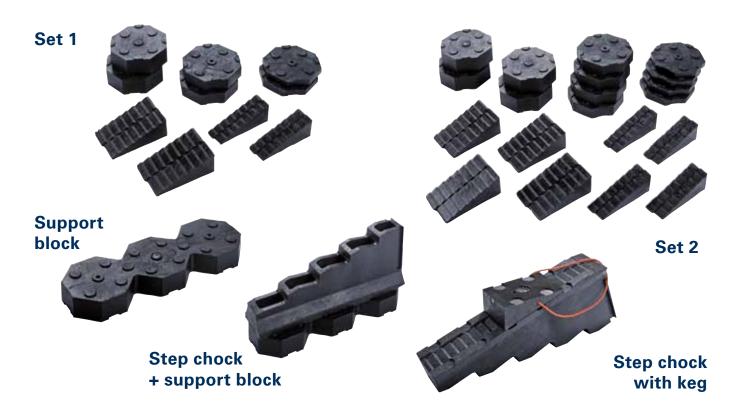








Support systems



LUKAS supports serve to safely stabilise vehicles and support loads during rescue work. They prevent dangerous movements of accident vehicles which may become unstable when cutters and spreaders are used.

WEBCODE: xbuewp



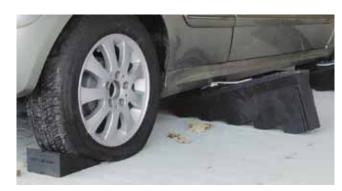
Advantages

- + Blocks and wedges can be stacked up to the height needed
- + Stands securely as stacked blocks interlock with one another
- + Resistant to oil, chemicals and the usual cleaning agents and solvents
- Made of environmentally friendly, recyclable plastic (polyethylene)
- + Very robust, long service life and shatterproof
- + Permissible load up to 242 lb / 110 kg/sq cm



In use





Lifting loads





One motor pump, two applications. If loads have to be lifted during a rescue as well as using cutters, spreaders and rescue rams, then the patented MSM-2D allows two heavy lifting rams to be connected to the power unit. For example, this may be to lift trams, underground trains, trucks, buses or trains involved in accidents. Heavy lifting gear is also used during rescues in collapsed buildings.

WEBCODE: xqopsa



Advantages

- + Quickly ready to use
- + Lower procurement costs
- + Easy to use
- + Small and handy



In use



Lifting heavy loads





Telescopic rescue ram

The original LUKAS telescopic cylinders are made of a high-strength light alloy, making them light, corrosion-resistant and low-maintenance. Due to their design, they offer very long total stroke at a low retracted height. Please use a power unit from the P 650 series for the heavy-duty lifting set.

Technical data	HP 10 T 280 R	HP 25 T 185 R
Max. piston force 1 / 2 / 3	146,133.9 / 67,670 / 23,381 lbs / 650 / 301 / 104 kN	146,133 / 67,670 lbs / 650 / 301 kN
Stroke piston 1 / 2 / 3	3.7 / 3.7/ 3.5 in. / 94 / 95 / 90 mm	3.74 / 3.54 in. / 95 / 90 mm
Total stroke	10.0 in. / 279 mm	7.3 in. / 185 mm
Retracted height	8.7 in. / 220 mm	8.7 in. / 220 mm
Oil requirement	85.4 cu. in. / 1.4 l	79.3 cu. in. / 1.3 l
Weight	32.6 lbs / 14.8 kg	32.6 lbs / 14.8 kg

WEBCODE: uezsdh





Set of stacking plates

If there is only sufficient space under a load for smaller telescopic rescue rams, then you can use stacking plates to add about 6 in. / 150 mm of height.

Technical data	Stacking Set
Fork lever. quantity	1
Stacking ring quantity / height	4 / 2.6 in. / 4 / 65 mm
Piston plate quantity / height	3 / 2.6 in. / 3 / 65 mm + 1 / 1.8 in. / 1 / 45 mm
Max. stroke extension	9.4 in. / 240 mm
Weight	32 lbs / 14.5 kg

WEBCODE: myiwql



Hydraulic hoses

Special pairs of hoses with quick stop prevent heavy loads from sinking down, if for example, hoses are damaged.



Base plates

The base plates extend the base for the hydraulic rams, thus adding stability in use. These are recommended for all lifting work. In 1972 LUKAS was the first supplier to develop a hydraulic cutter for rescue work, laying the foundation stone for an entire branch of business.

Since 1948 LUKAS has produced hydraulic products for a wide range of applications. Today, you can benefit from these years of experience.



1972

A PART OF THE INTERNATIONAL IDEX CORPORATION.

LUKAS Hydraulik GmbH is part of the international IDEX Corporation which invests in successful medium-sized companies in highly specialised markets worldwide. All companies which belong to the group have two things in common: strong technical orientation and innovative strength.

In addition to **LUKAS**, the IDEX Rescue group includes some of the strongest brands from the field of fire and rescue services such as HURST - JAWS OF LIFE, the American rescue cutter manufacturer, and VETTER, the emergency pneumatics specialist.

As our customer, you will benefit from our international practical knowledge and the intensive transfer of skills and know-how within the corporate group which contributes to the development of sophisticated and high-performing products. Make them your first choice because you never get a second chance!



www.idexcorp.com



INNOVATION FOR RESCUERS.

LUKAS is traditionally innovative and is always looking for ways to make its rescue tools even more powerful and user-friendly. Equipment that is small and leightweight and as powerful and convenient as possible. The latest proof is the eDRAULIC technology, with which **LUKAS** has opened a new chapter in rescue technology and laid the foundation for new revolutions. Our 40 years of experience in the development and production of hydraulic rescue tools, and the experience from more than 50,000 cutters sold and used in more than 190 countries worldwide, demonstrate superiority in rescue every day.

OUR COMMITMENT: MADE IN GERMANY.

LUKAS mainly produces its equipment in Germany. That does not just mean final assembly, it means full manufacture. Our highly motivated and passionate team in Erlangen-Eltersdorf produces tools that save lives.

THE SYNONYM OF QUALITY AROUND THE WORLD.

Progressive technologies, the most modern, tough materials and proven reliability have made *LUKAS* the most respected supplier around the globe.

MADEIN



Our products are impressive in practice.

Ask for a demonstration.

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