

Holmatro

Catalogue





About Holmatro

For nearly half a century, Holmatro has been developing, producing and testing high-pressure hydraulic equipment for industrial, rescue and special tactics applications. Based on the needs of users and manufactured at our state-of-the-art production plants in the Netherlands and the USA, Holmatro products are known for their innovative technology and high quality. We sell and service these products through offices in various countries and a global dealer network.

When it comes to Holmatro rescue equipment, our highly experienced engineers translate innovative ideas into smarter, lighter and more powerful solutions for fire & rescue departments. The result is a full range of high-quality tools that enable you to work efficiently under pressure. With Holmatro it's safer, easier and quicker to save lives.

Innovation, quality and service are the three pillars of our organization. They are the reason why our products last for years. And why Holmatro is the brand of choice for rescue professionals throughout the world. Once you use our tools, you'll use them for life!



**You can count on us,
for life**

→ **Introduction Holmatro**

About Holmatro	8
Our innovations	9
Our quality	17
Our service	18
Our training	19



→ **Cutters**

About our cutters	20
Cutters - NCT	24
Cutters - NCT - Greenline Battery	26
Accessories	28
Cutters - GP	30



→ **Spreaders**

About our spreaders	34
Spreaders	38
Spreaders - Greenline Battery	40
Accessories	42
Accessories	44



→ **Combi Tools**

About our combi tools	46
Combi Tools	50
Combi Tools - Greenline Battery	52
Accessories	54
Accessories	56



→ **Rams**

Rams - 10 tons	58
Rams - 16 tons	59
Rams - Telescopic	60
Ram - Extendo	61
Rams - Greenline Battery	62
Accessories	63
Accessories	65



→ **Motor Pumps**

Pump - Greenline Battery	70
Accessories	72
Pumps - Personal Power	
SPU 16 PC	73
DPU 31 PC	74



Accessories 75

Pumps - Spider Range

SR 10 76

SR 20 77

SR 30 78

SR 40 79

Electric Start 81

Quattro 82

Diesel 83

Accessories 84

Pump - Air-driven 86



→ **Hand/Foot Pumps**

Hand/Foot Pumps - Two-stage 87

Hand Pump - Three-stage 88



→ **Hoses**

CORE Hoses 89

CORE - Connection Hoses 90

CORE - Single Hose Reels 91

CORE - Double Hose Reels 92

CORE - Electric Hose Reels 93

Single Hoses 94



→ **Hand-operated Tools**

Hand-operated Cutter 95

Hand-operated Power Wedge 96

Hand-operated Combi Tools 97

Accessories 98



→ **Door Openers**

Door Opener - HDR 50 ST 99

Door Opener - HDO 100 100



→ **Concrete Crusher**

Concrete Crusher 101

→ **Special Materials Cutter**

Special Materials Cutter 102

→ **Mini Cutter**

Mini Cutter 103



→ **Power Wedge**
Power Wedge 104

→ **Pipe Squeezer**
Pipe Squeezer 105



→ **Steel Cable Cutters**
Steel Cable Cutters 106

→ **Electric Cable Cutters**
Electric Cable Cutters 107

→ **Toe Jack**
Toe Jack 108



→ **Aluminium Jacks**
Aluminium Jacks 109

→ **Multi Purpose Cylinder Set**
Multi Purpose Cylinder Set 110
Set components 111



→ **Rim Adapter Set**
Rim Adapter Set 114

→ **Assist Tools**
Safetypen 115
Glass Master 115
Chocks & Blocks Set A 115
Chocks & Blocks Set B 116



→ **Secunet III**
Secunet III 117

→ **Rescue Support Bag**
Rescue Support Bag 118

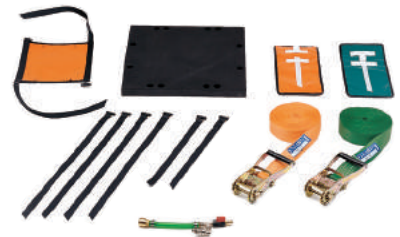


→ **Tool Stations**
Tool Stations 119

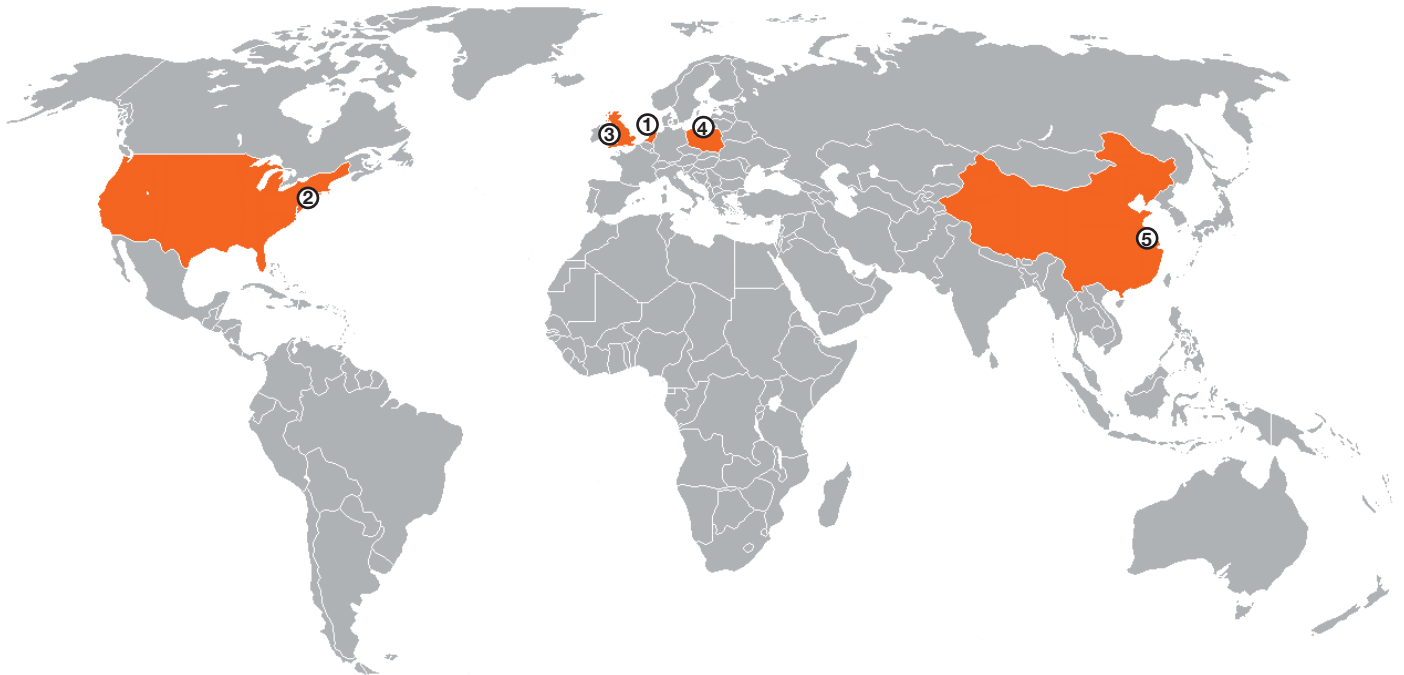
→ **Sharp Edge Protection Covers**
Sharp Edge Protection Covers 120



→ Vehicle Stabilization Strut	
Vehicle Stabilization Strut	121
→ High Pressure Lifting Bags	
High Pressure Lifting Bags	122
Accessories	124
Air Control Sets	126
→ Low Pressure Lifting Bags	
Low Pressure Lifting Bags	128
→ Tank Sealing System	
Tank Sealing System	129
→ Leak Sealing System	
Leak Sealing System	130
→ PowerShore	
PowerShore - Hydraulic Struts	131
PowerShore - Pneumatic Struts	132
PowerShore - Mechanical Struts	133
PowerShore - Extension Pipes	134
PowerShore - Accessories	135
PowerShore - Sets	140
→ Service	
Oil/Grease	143
Testing Equipment	145



Holmatro worldwide



Holmatro Netherlands / Holmatro Group

World headquarters
Manufacturing, sales & service

Holmatro USA

Manufacturing, sales & service

Holmatro UK

Sales & service

Holmatro Poland

Sales & service Holmatro Industrial Equipment

Holmatro China

Sales & service

Dealer network

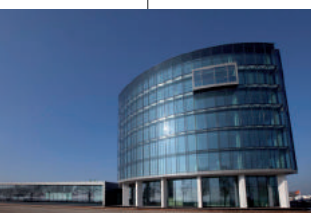
Worldwide dealer network for sales & service in more than 140 countries

Mastering power

Mastering power is at the heart of Holmatro's vision. Common to all our products is the basic premise that only controlled power can be put to use effectively. Holmatro rescue tools allow rescuers to apply the high forces generated by the equipment in a practical, controlled and safe way.

Holmatro **Netherlands**

①



Holmatro **USA**

②



Holmatro **UK**

③



Holmatro **Poland**

④



Holmatro **China**

⑤



Our innovations

At Holmatro we have a strong focus on innovation. That's why we invest 4% of our turnover in Research and Development. Holmatro engineers are continuously researching new technologies, materials and designs to develop tools that truly help rescuers do their job quicker, safer and easier. It all starts with understanding our customers' needs. Their involvement in our product development process is key. All of this has resulted in many exciting Holmatro innovations throughout the years, a few of which we will highlight on these pages.

CORE Technology

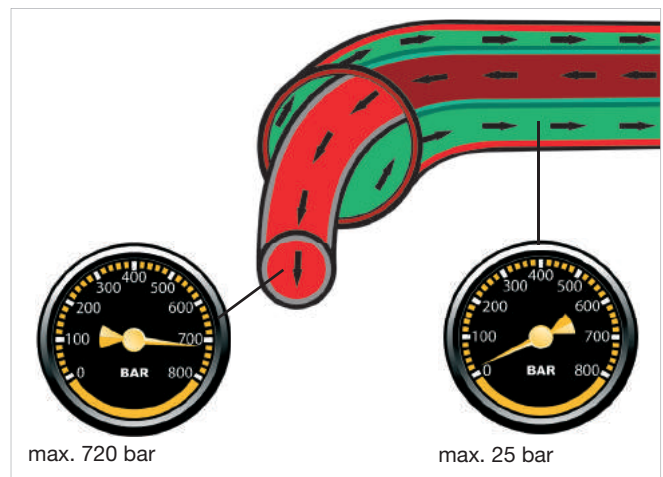
A revolutionary turning point in rescue tool technology significantly simplifying and speeding up your rescue operations. One hose, one coupler and the ability to change tools under flow which completely eliminates the pump operator. Compare this to a traditional dual hose system with two hoses, two couplers to connect your equipment and the need to operate the pump when swapping tools, and it's clear how much time, effort and manpower a CORE system will save you. With the high-pressure hose inside and protected by the low-pressure outer hose it's also a safer system to use: never can a user be exposed to pressures higher than 25 bar.



CORE Technology is safer

One-hose system: protected power

- Increased safety for the rescuer as the high-pressure hose is protected by the low-pressure hose
- Users can never be exposed to pressures over 25 bar



Para-aramid fiber reinforced hose

- No steel inside: no risk of kinking or pinholes



According to all international safety norms

- EN 13204 and NFPA 1936
- 4:1 safety ratio for both pressure and return lines



Safety coupler

- One-step connection: couple and lock in one push.
 - Two-step disconnection: turn and push, then pull.
- Prevents accidental uncoupling.



Thorough hose testing

- According to all relevant safety norms.



CORE Technology is quicker & easier

Simple set-up

- Connect CORE hose to pump and tool with or without the pump running.

Changing tools under flow during use

- No need to operate a valve on the pump.



Para-aramid reinforced hose

- No kinking
- Easy (un)rolling
- About 40% lighter than traditional (steel reinforced) hoses



CORE Technology hose:
about 40% weight reduction

traditional steel
reinforced hoses



Maintenance-friendly

- Less hoses (change under flow possible!)
- Less couplers
- Flatface coupler design: keeps dirt out
- No pigtail hoses on tools
- No valves on pump



- easy to clean



- no dirt inside couplers

User-friendly CORE couplers

- 360° rotating coupler on tool and pump: no hose entanglement
- Flat design: easy to wipe dirt off



Coupler mounted directly on tool (no pigtail hoses!)

- No contact with ground: keeps coupler clean



- Easier to carry: no swinging pigtail hoses while walking



Dual hoses

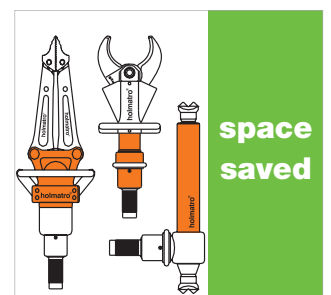
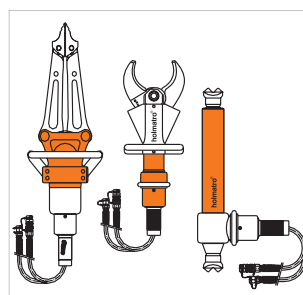


CORE Technology

- Enables tool (dis)connection with one hand while standing



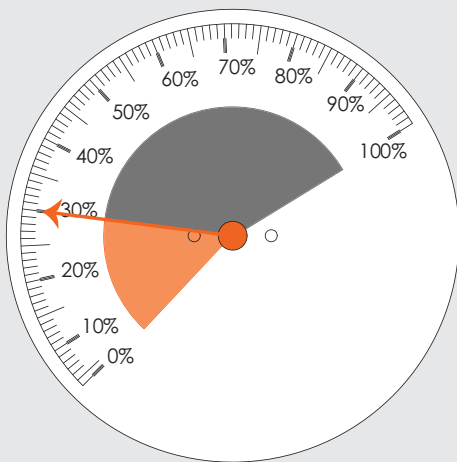
- Saves space in rescue vehicle



New Car Technology (NCT) Cutters

At Holmatro we believe that the best rescue tools are developed on the basis of practical application. So when it comes to vehicle extrication you need a cutter that performs optimally on (new) cars. Our New Car Technology cutters are specially designed to deal with modern vehicle construction. Extensive testing on the latest prototypes shows they even have lots of capacity left for the future (see figure 1). Their superior cutting performance on new cars has got nothing to do with maximum (theoretical!) cutting forces. And neither with the EN and NFPA cutter classifications which are merely an indication of a cutter's performance on various material profiles. Conclusion: **it's all about smart tool design.**

Reserve for the future



Indicative pressure needed to cut a B-pillar of a 2016 car prototype with Holmatro New Car Technology cutters. (max. pressure of 720 bar = 100%)

Excess capacity (70%):
reserve for the future!



Figure 1

How does Holmatro stay at the forefront of advances in vehicle materials and construction?

Holmatro acquires its knowledge of new car technology from a number of sources. First and foremost we stay in close contact with numerous leading manufacturers of passenger vehicles and heavy goods vehicles. We would like to express our gratitude to all of these manufacturers for helping us staying up to date on the latest construction and design developments.

Another valuable source of information is the racing world. Holmatro is the Official Rescue Tool of the Indy Racing League. New materials and construction methods to make cars lighter and safer are often used first in racing cars before ending up in production vehicles some years later.

Last but not least we receive a lot of input from training institutes and rescuers worldwide about their practical experiences. Combined with our in-house engineering knowledge, these sources help us develop rescue tools that are more than able to face the tasks of everyday reality.



It's all about smart tool design



1. New Car Technology (NCT) blade design

These characteristic U-shaped blades have two advantages:

- They can surround the wide pillars of modern cars
- They automatically pull the material into the cutting recess, close to the i-Bolt, which is the strongest point of the cutter.

This results in a superior cutting performance.

2. Optimized cutting edge

Durability meets performance. We've optimized the cutting edge for a long blade life and a superior cutting performance on modern cars.

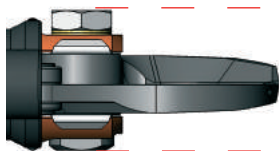
3. i-Bolt

The i-Bolt is a flat central bolt construction squeezing the blades together directly and more tightly, which minimizes blade separation. The result is a better cutting performance. It also gives you the advantage of better access into narrow spaces.

4. High-grade steel blades

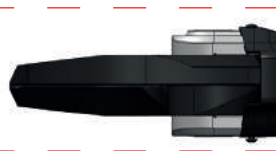
High-pressure hydraulic tools can generate extremely high forces. That's why our tools are constructed of the highest quality materials. This means you can use them for the most challenging applications, over and over again.

Traditional bolt construction



Squeezes ("softer" aluminum) blade holder. Blades are squeezed indirectly only.

i-Bolt construction



Squeezes blades directly for a superior cutting performance.





CU 5050 i

Inclined Cutter

When it comes to developing new rescue tools, Holmatro does not only focus on performance. Ergonomics and ease of use are equally important. After all it's the rescuer working with these tools who we should enable to save lives in the quickest and easiest way possible. By observing our customers during rescue equipment field tests and by asking their feedback, our R&D department gets new ideas for the development of such solutions. This is also what happened with the Inclined Cutter CU 5050 i.

Optimal ergonomics

Some cutting procedures in vehicle rescue put a physical burden on the operator. Think of cutting a truck cabin or the roof of a car, when you need to lift the tool high up. Or applications that force you to bend over deeply, like cutting the rocker panel. Where lighter tools significantly ease the burden, the Inclined Cutter eliminates it! Simply put the angle jaw in the right position for optimal ergonomic cutting.



More space

In addition, the unique design of this cutter leaves more space for movement of the tool towards the car when cutting A- and B-pillars from the side. Tool repositioning will be far less required, so rescuers can work quicker and easier. And with a carrying handle that goes all-around, you can always use this cutter in the most favorable position, at all sides of the car.





SP 5240 CL

Compact Lightweight Spreader

The development of the SP 5240 CL (Compact Lightweight) is a story in itself. Our R&D department was not influenced by international standards such as EN 13204 and NFPA 1936. To completely meet the wishes of the users, the SP 5240 CL was developed entirely on the basis of the high demands of practical application. This has resulted in an exceptional spreader, which is more compact and lightweight than all the other – already very light – models from the new 5000 series. And best of all, which can do all that is required to extricate a trapped victim.



Successfully tested on the latest car models

The SP 5240 CL has been tested extensively on the latest car prototypes and has proved its worth time and time again. It offers every spreading capability you need when dealing with new car construction. We believe this is more important to you than knowing that a product meets all performance requirements of the international standards. However, even though the SP 5240 CL was not designed on the basis of these standards, it fully complies with NFPA 1936 and – except for the spreading distance – with EN 13204.



Greenline EVO battery tools

Up to 33% faster than the previous generation of battery-powered rescue tools, without any concessions on performance. Greenline EVO tools allow you to do the same job in less time, while still offering all benefits of our Greenline concept. These include optimal freedom of movement, zero emission and suitability for use in all types of weather.

The next evolution in battery-driven rescue tools

This is what makes our Greenline EVO series so unique:

Battery on top of tools

- Quick & easy to change, even in narrow spaces



Higher speed

- Up to 33% faster operation
- Tools deliver the same high performance in less time

State-of-the-art battery technology

- Latest lithium-ion technology
- High battery capacity for maximum output
- Low self-discharge rate for long battery life
- No memory effect
- LED indicator showing battery capacity, no power consumption when tool is switched on but not used
- Suitable for use at high altitudes



Emission-free

- No fumes: healthier for rescuers and victims
- Ideal for use in confined and/or underground spaces like busses, trains, tunnels and collapsed buildings
- Environmentally friendly



All weather proof

- Suitable for use at low temperatures, down to -20°C / -4°F
- Suitable for use in wet weather conditions

Control handle in central position on back of tools

- Always within reach
- Allows you to rotate the tool freely, while keeping your hand in the same position



Our quality

More than any other type of equipment rescue tools must be reliable and perform well under all circumstances. That's why both our company and our products meet the highest quality and performance standards:

- ISO 9001 company accreditation since 1992
- EMC directive (electromagnetic compatibility)
- Noise directive
- European machinery directive
- European EN 13204 norm for double-acting hydraulic equipment
- American NFPA 1936 norm for powered rescue tools
- European EN 13731 norm for pneumatic lifting bag systems



High-tech production, 200% tested

Holmatro tools are manufactured and assembled in high-tech production facilities in the Netherlands and the USA. A great deal of the tooling is done by robots resulting in pinpoint precision. There are also strict rules and procedures in place to ensure a clean environment. What's more, each product we make is tested twice before it leaves our facilities: first by the assembler, then by our quality control department. All of this with the single aim to maximize equipment reliability and to minimize flaws.



Our service

Holmatro is with you for the long run. Also after you've bought your rescue equipment from us we want to support you in the best possible way. We do this by offering repair & maintenance services (sometimes even on station!) through our global dealer network. These include yearly inspection and testing of your rescue tools, to keep them in good condition during their whole lifespan. Our dealers are factory trained and attend mandatory refresher courses in order to keep their Holmatro Service Center qualification.



Holmatro Service Portal

Holmatro rescue tools are used day in day out to save lives. Having up-to-date insight into the maintenance and inspection status of your equipment is therefore crucial. It's all about deployability and reliability, allowing you to concentrate on your vital work as a rescuer. The Holmatro Service Portal has been designed to help you with that. It may very well be our smartest tool ever, offering you unparalleled support:

- Detailed overview of your rescue tools and their location(s)
- Up-to-date insight into the maintenance and inspection status of your tools
- Access to up-to-date documentation and technical specifications
- Quick and easy service requests



**JUST ONE
CLICK AWAY!**

Discover all that you can do with the Holmatro Service Portal at:

mytools.holmatro.com

Our training

Another service we provide, together with our dealers, is end user training. This can be an instruction on how to use our products, but also a multiple day Holmatro Rescue Experience event where participants learn all about the latest developments in rescue tools & techniques and get to work with Holmatro rescue tools in different extrication scenarios.

Training materials

Rescue in general is a very challenging discipline requiring ongoing training and skills development. To support rescuers faced with this challenge we have developed various training materials in different languages.



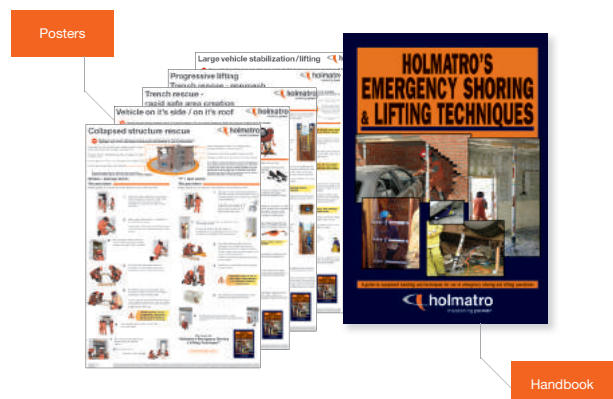
Complete guide Vehicle Extrication Techniques

Vehicle Extrication Techniques

This program promotes a safe, methodical and casualty centered approach to the extrication of persons following a road traffic collision. It describes a wide variety of rescue techniques step by step, supported by (QR codes linked to) 60 videos showing you how to perform them. It also highlights key medical considerations and guides the rescuer to the process of efficient extrication planning. The author is Holmatro Rescue Consultant Ian Dunbar, former Training Officer in the UK Fire & Rescue Service, former Assessor at the World Rescue Challenge and still attached to the Anaesthesia, Trauma and Critical Care (ATACC) Faculty as a Specialist Instructor.

Emergency Shoring & Lifting Techniques

This program aims to provide the basic principles of emergency shoring and lifting operations, as required for the safe rescue of persons trapped. These principles reach across a range of specific rescue disciplines such as vehicle & heavy goods vehicle rescue, collapsed structure rescue (USAR) and trench rescue. Various types of shoring, lifting and assist equipment are discussed as well. The author is Brendon Morris, former Consultation & Training Manager at Holmatro, who started his career as a Rescue Paramedic in South Africa.



Complete guide Emergency Shoring & Lifting Techniques





MSA

BRANDWEER

e-Joye

Greenline pro
by Holmatro

holmatro

ROBBERSTEEN

Holmatro New Car Technology (NCT) cutters are specially designed to cut new car constructions. They are available for CORE systems with pump and hose or in Greenline battery-driven versions.

All our NCT cutters are standard supplied with:

Unique blade design

The U-shaped blades on the NCT cutters are specially designed to surround the material and pull it in into the cutting recess, where it is cut at the strongest point of the cutter.

i-Bolt Technology

A flat central bolt construction squeezing the blades together directly (no blade holder in between!) and more tightly. This minimizes blade separation and maximizes cutting performance.

LED lighting

Integrated in the carrying handle.

- All 4000 series NCT cutters are equipped with 4 LED lights
- All 5000 series NCT cutters are equipped with 6 LED lights



5000 series cutters

Our 5th generation of NCT cutters are lighter than ever, without any concessions on performance. Some important features and benefits are:

Lightweight

- Weight reduction thanks to new materials, component integration and intelligent design
- Easy to carry and handle, reducing physical burden

Ergonomic carrying handle

- New design increases operator comfort in various working positions

Optimized cutting edge

- Durability meets performance. We have optimized the cutting edge of our NCT blades for a long blade life and a superior cutting performance on modern cars.

Inclined cutter CU 5050 i

This cutter has a unique inclined cutter jaw for additional ergonomics at various applications, such as cutting the roof or the rocker panel. It eliminates the need to lift the tool above your head or to bend over deeply. It also leaves more space for the tool to move, when cutting pillars from the side.



Greenline EVO Cutters

Our latest battery-powered NCT cutters are faster than ever, without compromising tool performance. Some important features and benefits are:

Higher speed

- Up to 33% faster than previous generation
- Tools deliver the same high performance in less time

Powered by lithium-ion battery technology

- Combines a long battery life with high capacity for maximum operational use
- LED indicator shows battery capacity
- Easy click-on / click-off system on top of unit to change battery with one hand within seconds, even in narrow spaces
- Tool suitable for use at high altitudes



Holmatro General Purpose (GP) cutters are designed to cut a variety of material profiles, mostly encountered in disaster response and industrial rescue applications.

All our GP cutters are standard supplied with:

Extra hardened and regrindable blades in different shapes

- Straight toothed design for more grip
- Curved design to pull material in
- Combination of both
- Recess in blades for cutting heavy-duty round bar



Cutter CU 4007 C

The cutter CU 4007 C is not an ordinary General Purpose cutter. This mini cutter is specially designed to cut car pedals, head restraints and, in USAR operations, re-bar. Its extremely compact, lightweight design makes it suitable for use in confined spaces. Equipped with push-button control for positioning and operation with one hand.

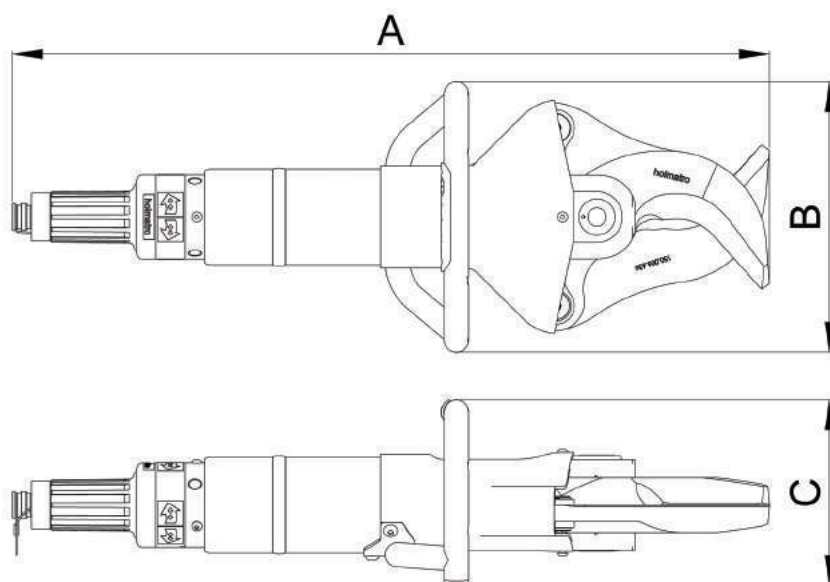




Cutters - NCT



model	CU 5050	CU 5050 i	CU 4035 C NCT II	CU 4055 C NCT II
art no	150.012.277	150.012.278	150.012.095	150.012.166
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
max. cutting opening mm	182	182	159	202
max. force kN/t	1412 / 144	1389 / 141.6	355 / 36.2	1018 / 103.8
weight, ready for use kg	15.9	16.2	13.8	19.9
dimensions (AxBxC)	773 x 278 x 193	783 x 266 x 281	714 x 270 x 202	805 x 270 x 218

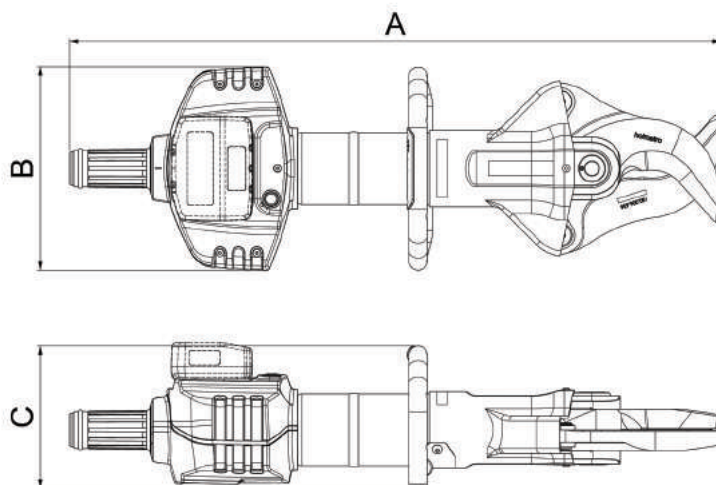




Cutters - NCT - Greenline Battery










model		GCU 5050 EVO (excl. battery)	GCU 5050 i EVO (excl. battery)	GCU 4035 NCTII EVO (excl. battery)
art no		150.052.070	150.052.071	150.052.069
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
max. cutting opening	mm	182	182	159
max. cutting force C0	kN/t			355 / 36.2
max. force	kN/t	1412 / 144	1389 / 141.6	
protection rate		IP54	IP54	IP54
weight, ready for use	kg	21.6	21.9	19.7
weight excl. battery	kg	20.6	20.9	18.7
dimensions (AxBxC)	mm	887 x 277 x 196	898 x 298 x 268	827 x 276 x 205





Cutters - NCT - Greenline Battery - Accessories



image	description	model	art no
	Greenline battery BPA283, 3 Ah - 28V.	BPA283	150.005.823
	Greenline battery BPA285, 5 Ah - 28V.	BPA285	150.006.208
	Greenline battery charger BCH1, 220-240V.	BCH1	150.182.208
	Greenline battery charger BCH2, 100-120V.	BCH2	150.182.209
	Greenline battery car charger BCH3, 12-24 VDC.	BCH3	150.182.286
	Mains power connector BMC1, 220-240V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC1	150.182.206
	Mains power connector BMC2, 100-120V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC2	150.182.207
	For one Greenline battery.	-	150.182.214

Cutters - NCT - Greenline Battery - Accessories



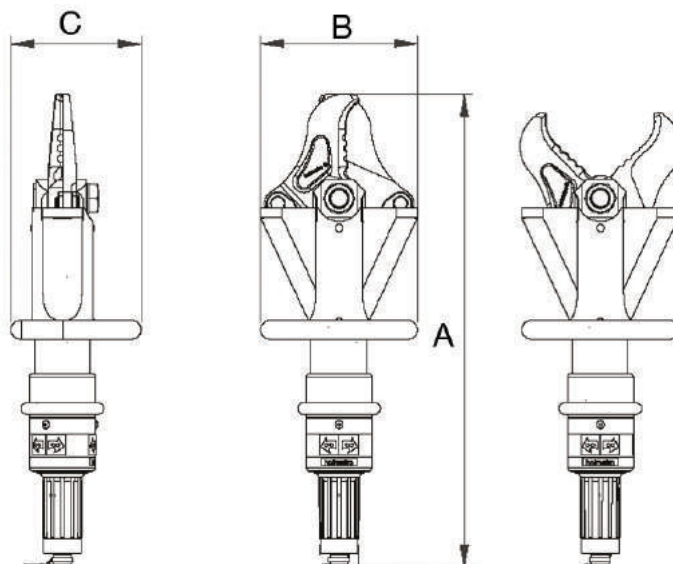
image	description	model	art no
	Carrying strap for hand-operated and battery-driven tools.	-	150.182.249
	Carrying/storage bag (not for battery-driven cutter GCT 4150).	-	150.182.228



Cutters - GP



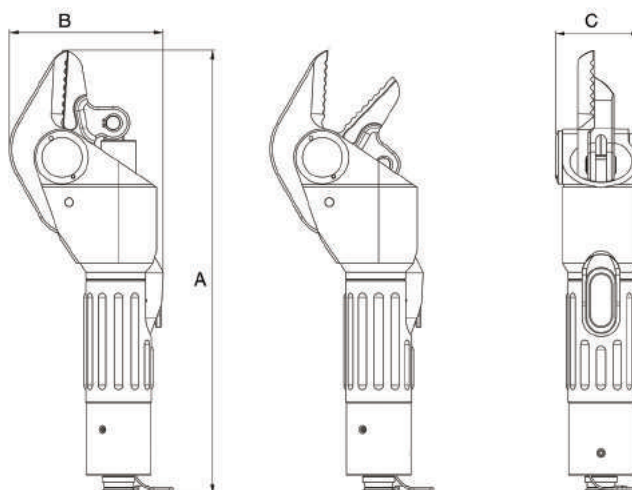
model	CU 4010 C GP	CU 4020 C GP	CU 4030 C GP	CU 4031 C GP	CU 4035 C GP	CU 4040 C GP
art no	150.012.139	150.012.164	150.012.162	150.012.125	150.012.123	150.012.183
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
max. cutting opening mm	142	152	181	300	237	282
max. force kN/t	254 / 25.9	394 / 40.2	394 / 40.2	380 / 38.7	380 / 38.7	470 / 47.9
weight, ready for use kg	7.8	10.7	10.9	13.8	14.2	17.6
dimensions (AxBxC)	mm 622 x 210 x 170	690 x 230 x 187	711 x 230 x 187	759 x 270 x 202	771 x 270 x 202	804 x 270 x 218



Cutters - GP



model	CU 4007 C	
art no	150.012.232	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
max. cutting opening	mm	59
max. force	kN/t	220 / 22.4
weight, ready for use	kg	3.8
dimensions (AxBxC)	mm	377 x 72 x 131







Holmatro's 5000 series spreaders are designed with the rescuer in mind: lighter than ever, without concessions on performance. They are available for CORE systems with pump and hose or in Greenline battery-driven versions (3 smallest models).

Some important features and benefits are:

Lightweight

- Weight reduction thanks to new materials, component integration and intelligent design
- Easy to carry and handle, reducing physical burden

Effective profile on the spreading tips

- Perfect grip in every situation

Ergonomic carrying handle

- New design increases operator comfort in various working positions

New LED lighting in carrying handle

- No less than 6 LED lights with higher light output
- Rescuers can start their job right away, both during the day and at night, without working in their own shadow

Speed Valve on CORE models

- When unloaded, the arms open quickly to the desired distance to speed up spreader positioning.



**Compact Lightweight Spreader
SP 5240 CL**

Developed entirely on the basis of practical application this spreader can do everything required to extricate a trapped victim, while weighing under 10 kg. And although we did not aim to meet the international standards, it fully complies with NFPA 1936 and – except for the spreading distance – with EN 13204.



Greenline EVO spreaders

Our latest battery-powered spreaders are faster than ever, without compromising tool performance.

Some important features and benefits are:

Higher speed

- Up to 33% faster than previous generation
- Tools deliver the same high performance in less time

Powered by lithium-ion battery technology

- Combines a long battery life with high capacity for maximum operational use
- LED indicator shows battery capacity
- Easy click-on / click-off system on top of unit to change battery with one hand within seconds, even in narrow spaces
- Tool suitable for use at high altitudes



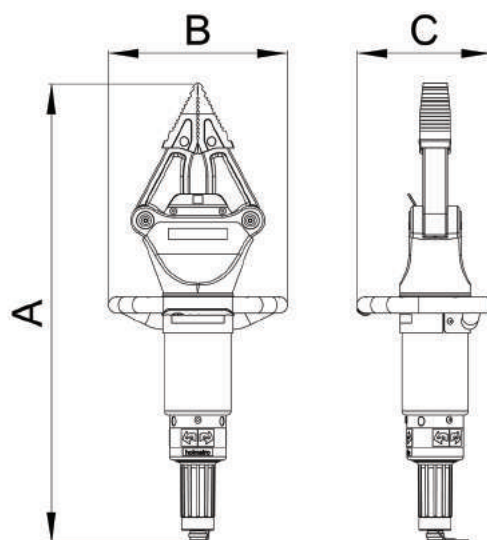




Spreaders



model	SP 5240 CL	SP 5240	SP 5250	SP 5260	SP 5280
art no	150.012.272	150.012.273	150.012.274	150.012.275	150.012.276
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
spreading distance mm	510	725	725	822	662
max. spreading force kN/t	131 / 13.4	280 / 28.6	366 / 37.3	522 / 53.2	463 / 47.2
min. spreading force (EN 13204) kN/t	40 / 4.1	41 / 4.2	51 / 5.2	62 / 6.3	83 / 8.5
max. squeezing force kN/t	47 / 4.8	59 / 6	135 / 13.8	127 / 13	159 / 16.2
max. pulling force kN/t	47 / 4.8	47 / 4.8	67 / 6.8	82 / 8.4	99 / 10.1
max. pulling force (NFPA 1936, HPF) kN/t	47 / 4.8	47 / 4.8	67 / 6.8	82 / 8.4	99 / 10.1
max. spreading force (NFPA 1936, HSF) kN/t	53 / 5.4	70 / 7.1	97 / 9.9	117 / 11.9	142 / 14.5
min. pulling force (NFPA 1936, LPF) kN/t	24 / 2.4	25 / 2.5	31 / 3.2	37 / 3.8	53 / 5.4
min. spreading force (NFPA 1936, LSF) kN/t	35 / 3.6	38 / 3.9	46 / 4.7	58 / 5.9	74 / 7.5
weight, ready for use kg	9.9	14.9	16.3	19.9	19.8
dimensions (AxBxC) mm	703 x 274 x 205	836 x 286 x 218	847 x 286 x 218	919 x 321 x 220	822 x 321 x 220

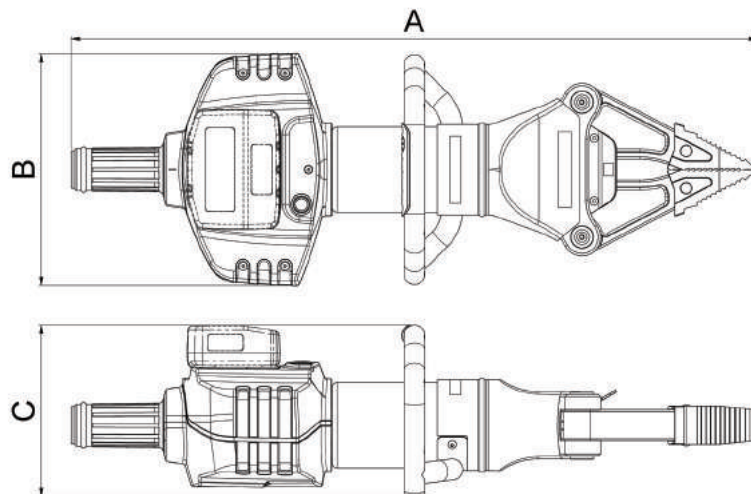




Spreaders - Greenline Battery









model		GSP 5240 CL EVO (excl. battery)	GSP 5240 EVO (excl. battery)	GSP 5250 EVO (excl. battery)
art no		150.052.072	150.052.073	150.052.074
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
spreading distance	mm	510	725	725
max. spreading force	kN/t	131 / 13.4	280 / 28.6	366 / 37.3
min. spreading force (EN 13204)	kN/t	40 / 4.1	41 / 4.2	51 / 5.2
max. squeezing force	kN/t	47 / 4.8	59 / 6	135 / 13.8
max. pulling force	kN/t	47 / 4.8	47 / 4.8	67 / 6.8
max. pulling force (NFPA 1936, HPF)	kN/t	47 / 4.8	47 / 4.8	67 / 6.8
max. spreading force (NFPA 1936, HSF)	kN/t	53 / 5.4	70 / 7.1	97 / 9.9
min. pulling force (NFPA 1936, LPP)	kN/t	24 / 2.4	25 / 2.5	31 / 3.2
min. spreading force (NFPA 1936, LSF)	kN/t	35 / 3.6	38 / 3.9	46 / 4.7
protection rate		IP54	IP54	IP54
weight, ready for use	kg	15.8	20.6	22.1
weight excl. battery	kg	14.8	19.6	21.1
dimensions (AxBxC)	mm	819 x 277 x 205	952 x 286 x 216	964 x 286 x 216





Spreaders - Greenline Battery - Accessories



image	description	model	art no
	Greenline battery BPA283, 3 Ah - 28V.	BPA283	150.005.823
	Greenline battery BPA285, 5 Ah - 28V.	BPA285	150.006.208
	Greenline battery charger BCH1, 220-240V.	BCH1	150.182.208
	Greenline battery charger BCH2, 100-120V.	BCH2	150.182.209
	Greenline battery car charger BCH3, 12-24 VDC.	BCH3	150.182.286
	Mains power connector BMC1, 220-240V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC1	150.182.206
	Mains power connector BMC2, 100-120V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC2	150.182.207
	Carrying harness, to carry a hand-operated or battery-driven tool on your back.	-	150.553.115

Spreaders - Greenline Battery - Accessories



image	description	model	art no
	For one Greenline battery.	-	150.182.214
	Carrying strap for hand-operated and battery-driven tools.	-	150.182.249

Accessories



image	description	model	art no
	Accessories set in case contains 2 cutting tips, 2 spreading tips, 2 pulling attachments. For spreaders: <ul style="list-style-type: none"> • SP 5240 • SP 5250 • GSP 5240 EVO • GSP 5250 EVO 	-	150.182.288
	Accessories set in case contains: 2 spreading tips and 2 pulling attachments. For spreaders: <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO 	-	150.182.289
	Accessories set in case contains: 2 cutting tips, 2 spreading tips, 2 pulling attachments. For spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.182.290
	Cutting tips set for spreaders: <ul style="list-style-type: none"> • SP 5240 • SP 5250 • GSP 5240 EVO • GSP 5250 EVO 	-	150.006.474
	Cutting tips set for spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.006.466
	Pulling attachments set for spreaders: <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO 	-	150.182.273
	Pulling attachments set for spreaders: <ul style="list-style-type: none"> • SP 5240 • SP 5250 • GSP 5240 EVO • GSP 5250 EVO 	-	150.182.274
	Pulling attachments set for spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.182.275

Accessories



image	description	model	art no
	Pulling chains set for spreaders, combi tools and rams: <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO • SP 5240 • GSP 5240 EVO • RA 4321 C • GRA 4321 EVO • RA 4331 C • GRA 4331 EVO 	-	150.582.152
	Pulling chains set for spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.582.261
	Pulling chains set in case for spreaders and all 16 ton rams: <ul style="list-style-type: none"> • SP 5240 • SP 5240 CL • GSP 5240 • GSP 5240 CL • RA 4321 C • RA 4322 C • RA 4331 C • RA 4332 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.582.021
	Pulling chains set for spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.582.020
	Spreading tips set for spreaders: <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO 	-	150.006.473
	Spreading tips set for spreaders: <ul style="list-style-type: none"> • SP 5240 • SP 5250 • GSP 5240 EVO • GSP 5250 EVO 	-	150.006.475
	Spreading tips set for spreaders: <ul style="list-style-type: none"> • SP 5260 • SP 5280 	-	150.006.472





Holmatro combi tools offer you an all-in-one solution, enabling you to cut, spread, squeeze and pull with one piece of equipment. Available for CORE systems with pump and hose. Several models also come in a Greenline battery-drive version.

Some important features and benefits are:

Multifunctional

- One tool for cutting, spreading, squeezing and, with accessories, pulling
- Suitable for a variety of operations, from rapid intervention in vehicle rescue to urban search and rescue

Equipped with i-Bolt*

- Flat central bolt construction for better access to narrow spaces
- Squeezes the blades together directly, which results in less blade separation and a better cutting performance

* except for 4120 models



5000 series combi tools

Our 5th generation of combi tools are lighter than ever, without any concessions on performance.

Some important features and benefits are:

Extremely compact & ultra-lightweight

- Easy to carry, handle and store
- Ideal for use in confined spaces

Optimal performance to weight ratio

- Very high spreading force (short armed 5111 models)
- Very high spreading distance (long armed 5117 models)
- High cutting force (all models)

Carrying handle with integrated LED lighting

- Provides illumination when rescue scene lighting is (still) absent
- Never work in your own shadow by day

Also available with 360° rotatable, flat foldable carrying handle (RH models)

- Continuous swivel with 11 locking positions for use of the tool in almost any position
- Collapsible for extra compact transportation and storage



Greenline EVO combi tools

Our latest battery-powered combi tools are faster than ever, without compromising tool performance.

Some important features and benefits are:

Higher speed

- Up to 33% faster than previous generation
- Tools deliver the same high performance in less time

Powered by lithium-ion battery technology

- Combines a long battery life with high capacity for maximum operational use
- LED indicator shows battery capacity
- Easy click-on / click-off system on top of unit to change battery with one hand within seconds, even in narrow spaces
- Tool suitable for use at high altitudes

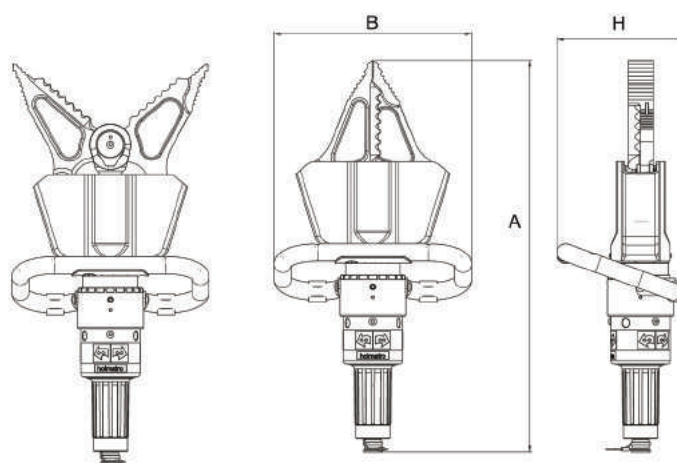




Combi Tools



model	CT 5111	CT 5111 RH	CT 5117	CT 5117 RH	CT 4120 C	CT 4150 C
art no	150.012.264	150.012.260	150.012.265	150.012.261	150.012.141	150.012.099
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
spreading distance mm	281	281	431	431	268	360
max. cutting opening mm	196	196	352	352	191	229
max. spreading force kN/t	457 / 46.6	457 / 46.6	54 / 5.5	54 / 5.5	220 / 22.4	211 / 21.5
min. spreading force (EN 13204) kN/t	48 / 4.9	48 / 4.9	28 / 2.9	28 / 2.9	26 / 2.7	35 / 3.6
max. cutting force C0 kN/t	206 / 21	206 / 21	204 / 20.8	204 / 20.8	247 / 25.2	380 / 38.7
max. squeezing force kN/t	44 / 4.5	44 / 4.5	27 / 2.8	27 / 2.8	46 / 4.7	76 / 7.7
max. pulling force kN/t			30 / 3.1	30 / 3.1	61 / 6.2	51 / 5.2
max. pulling force (NFPA 1936, HPF) kN/t			27 / 2.8	27 / 2.8		
min. pulling force (NFPA 1936, LPF) kN/t			18 / 1.8	18 / 1.8		
max. spreading force (NFPA 1936, HSF) kN/t	52 / 5.3	52 / 5.3	32 / 3.3	32 / 3.3		
min. spreading force (NFPA 1936, LSF) kN/t	40 / 4.1	40 / 4.1	25 / 2.5	25 / 2.5		
weight, ready for use kg	8.2	8.2	8.9	8.9	8.7	14.2
dimensions (AxBxC) mm	566 x 287 x 193	566 x 223 x 112	664 x 287 x 193	664 x 223 x 112	675 x 210 x 170	787 x 270 x 202

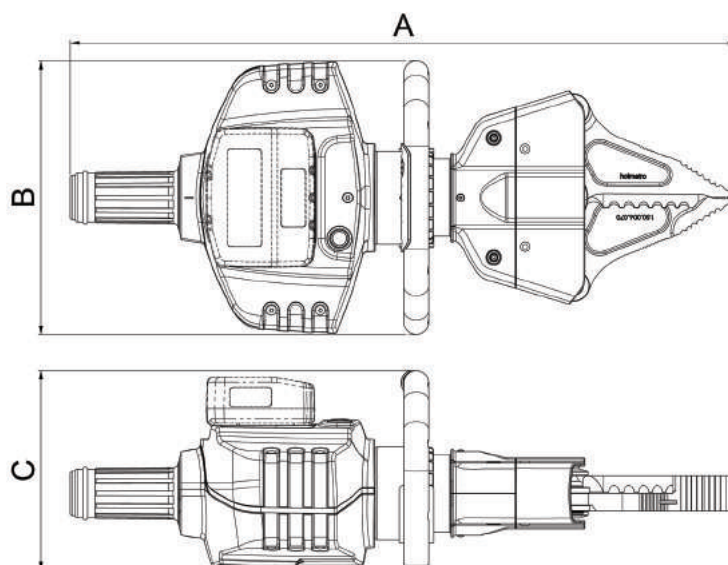




Combi Tools - Greenline Battery









model		GCT 5111 EVO (excl. battery)	GCT 5117 EVO (excl. battery)	GCT 4120 EVO (excl. battery)	GCT 4150 EVO (excl. battery)
art no		150.052.058	150.052.064	150.052.067	150.052.068
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
spreading distance	mm	281	431	268	360
max. cutting opening	mm	196	352	191	229
max. spreading force	kN/t	457 / 46.6	54 / 5.5	220 / 22.4	211 / 21.5
min. spreading force (EN 13204)	kN/t	48 / 4.9	28 / 2.9	26 / 2.7	35 / 3.6
max. cutting force CO	kN/t	206 / 21	204 / 20.8	247 / 25.2	380 / 38.7
max. squeezing force	kN/t	44 / 4.5	27 / 2.8	46 / 4.7	76 / 7.7
max. pulling force	kN/t		30 / 3.1	61 / 6.2	51 / 5.2
max. pulling force (NFPA 1936, HPF)	kN/t		27 / 2.8		
min. pulling force (NFPA 1936, LPF)	kN/t		18 / 1.8		
max. spreading force (NFPA 1936, HSF)	kN/t	52 / 5.3	32 / 3.3		
min. spreading force (NFPA 1936, LSF)	kN/t	40 / 4.1	25 / 2.5		
protection rate		IP54	IP54	IP54	IP54
weight, ready for use	kg	14.1	14.9	14.9	20.1
weight excl. battery	kg	13.1	13.9	13.9	19.1
dimensions (AxBxC)	mm	680 x 278 x 205	778 x 279 x 204	789 x 285 x 201	900 x 275 x 205





Combi Tools - Greenline Battery - Accessories



image	description	model	art no
	Greenline battery BPA283, 3 Ah - 28V.	BPA283	150.005.823
	Greenline battery BPA285, 5 Ah - 28V.	BPA285	150.006.208
	Greenline battery charger BCH1, 220-240V.	BCH1	150.182.208
	Greenline battery charger BCH2, 100-120V.	BCH2	150.182.209
	Greenline battery car charger BCH3, 12-24 VDC.	BCH3	150.182.286
	Mains power connector BMC1, 220-240V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC1	150.182.206
	Mains power connector BMC2, 100-120V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC2	150.182.207
	For one Greenline battery.	-	150.182.214

Combi Tools - Greenline Battery - Accessories



image	description	model	art no
	Carrying strap for hand-operated and battery-driven tools.	-	150.182.249
	Carrying/storage bag (not for battery-driven cutter GCT 4150).	-	150.182.228

Accessories



image	description	model	art no
	<p>Pulling attachments set for combi tools:</p> <ul style="list-style-type: none"> • CT 5117 • HCT 5117 • GCT 5117 EVO 	-	150.182.241
	<p>Pulling attachments set for use with combi tools:</p> <ul style="list-style-type: none"> • CT 4120 C • HCT 4120 • GCT 4120 EVO 	-	150.582.551
	<p>Pulling chains set for spreaders, combi tools and rams:</p> <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO • SP 5240 • GSP 5240 EVO • RA 4321 C • GRA 4321 EVO • RA 4331 C • GRA 4331 EVO 	-	150.582.152
	<p>Pulling chains set for combi tools:</p> <ul style="list-style-type: none"> • CT 5117 • HCT 5117 • GCT 5117 EVO 	-	150.582.548
	<p>Synthetic orange carrying/storage box with set pulling attachments and pulling chains, for use with combi tools:</p> <ul style="list-style-type: none"> • CT 4120 C • HCT 4120 • GCT 4120 EVO 	-	150.582.028
	<p>Synthetic orange carrying/storage box with set pulling attachments and pulling chains, for use with combi tools:</p> <ul style="list-style-type: none"> • CT 4150 C • GCT 4150 EVO 	-	150.582.018





Features & benefits ↓

- Unique Speed Valve
 - Allows for faster, more efficient tool placement and thus shortens required extrication time
 - Increases opening speed when working pressure is below 150 bar
- Rotating cross heads
 - Easy positioning and perfect grip in every situation
- Working as a team
 - Larger model can be placed in the opening created by the smaller model or by any spreader
- Full range of accessories
 - Provides multifunctional applications
- Snap-lock system for accessories
 - Changing of accessories without the use of tools within seconds
- Proportional operation handle
 - Allows for precise and accurate spreading action

Standard supplied with ↓

- Built-in Speed Valve
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- Ram support HRS 22
- Ram support HRS 22 NCT
- Connection piece
- Ram heads, 10 t
- Extension pipes
 - 3 different sizes to bridge large lengths
 - only connectable to the fixed side of the ram models RA 4321 and RA 4331

Accessories

page

65

Rams - 10 tons ↓

model	RA 4311 C	RA 4313 C	RA 4315 C
art no	150.032.042	150.032.043	150.032.044
equipped with (connector type)	CORE	CORE	CORE
max. working pressure	bar/Mpa 720 / 72	720 / 72	720 / 72
spreading stroke	mm 150	250	400
retracted length	mm 315	415	565
extended length	mm 465	665	965
spreading force over full stroke	kN/t 100 / 10.2	100 / 10.2	100 / 10.2
number of plungers	1	1	1
weight, ready for use	kg 7.6	9.0	10.9
dimensions (LxWxH)	mm 315 x 122 x 325	415 x 122 x 325	565 x 122 x 325



Features & benefits ↓

- Unique Speed Valve
 - Allows for faster, more efficient tool placement and thus shortens required extrication time
 - Increases opening speed when working pressure is below 150 bar
- Rotating cross heads
 - Easy positioning and perfect grip in every situation
- Working as a team
 - Larger model can be placed in the opening created by the smaller model or by any spreader
- Full range of accessories
 - Provides multifunctional applications
- Snap-lock system for accessories
 - Changing of accessories without the use of tools within seconds
- Proportional operation handle
 - Allows for precise and accurate spreading action

Standard supplied with ↓

- Built-in Speed Valve
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- Ram support HRS 22
- Ram support HRS 22 NCT
- Connection piece
- Ram heads, 10 t
- Extension pipes
 - 3 different sizes to bridge large lengths
 - only connectable to the fixed side of the ram models RA 4321 and RA 4331

Accessories

page

65

Rams - 16 tons ↓

model	RA 4321 C	RA 4322 C	RA 4331 C	RA 4332 C
art no	150.032.045	150.032.041	150.032.046	150.032.047
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
spreading / pulling stroke mm	250		350	
total spreading stroke mm		480		680
retracted length mm	512	745	612	945
extended length mm	762	1225	962	1625
spreading force over full stroke kN/t	161 / 16.4	161 / 16.4	161 / 16.4	161 / 16.4
pulling force over full stroke kN/t	50 / 5.1	50 / 5.1	50 / 5.1	50 / 5.1
number of plungers	1	2	1	2
weight, ready for use kg	11.1	15.4	12.6	18.3
dimensions (LxWxH) mm	512 x 122 x 338	745 x 122 x 338	612 x 122 x 338	945 x 122 x 338



Features & benefits ↓

- Extremely compact
- Unique Speed Valve
 - At working pressures below 150 bar, the tools open up significantly quicker.
 - Faster tool opening for quicker reactions
- Working as a team
 - The larger model can be placed in the opening created by the smaller one and continue the spreading job
- Teamwork with all spreaders
 - Fit in the opening made with any spreader or combi tool
- Rotating cross heads
 - Quick to position
 - Perfect grip in every situation
- Aluminium parts anodised
 - No corrosion

Standard supplied with ↓

- Built-in Speed Valve
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- Ram Support HRS 22 NCT
- Ram Support HRS 22
- Extension pipe 250 mm
- Extension pipe 450 mm
- Ram heads, telescopic

Accessories

page

65

Rams - Telescopic ↓

model		TR 4340 C	TR 4350 C
art no		150.032.039	150.032.040
equipped with (connector type)		CORE	CORE
max. working pressure	bar/Mpa	720 / 72	720 / 72
spreading stroke 1st plunger	mm	158	388
spreading stroke 2nd plunger	mm	124	354
total spreading stroke	mm	282	742
retracted length	mm	303	533
extended length	mm	585	1275
max. spreading force 1st plunger	kN/t	217 / 22.1	217 / 22.1
max. spreading force 2nd plunger	kN/t	81 / 8.3	81 / 8.3
weight, ready for use	kg	10.8	16.3
dimensions (LxWxH)	mm	303 x 133 x 350	533 x 133 x 350



Features & benefits



- Standard equipped with unique Speed Valve
 - Allows for faster, more efficient tool placement and thus shortens required extrication time
 - Increases opening speed when working pressure is below 150 bar
- Manually extendable
 - For quicker positioning
 - Enables more precise positioning
 - Allows to start spreading almost immediately
- Manual extension with auto-lock system
 - Easy: No need to lock manually
 - Safe: No accidental unlocking possible thanks to 2-step unlocking system
- Unique adjustable carrying handle
 - Can be turned to left or right: Easy use of ram on all sides of the car
- 10 t pushing force at every length
 - No loss of power over full stroke
- Compact dimensions with large stroke
 - Suitable for situations where little space is available and a large stroke required
 - Easy to store
 - Fits in the opening created by any Holmatro spreader
- Large manual stroke
 - Also quickly positioned in large door openings

Standard supplied with



- Adjustable rotating carrying handle
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories



- Ram Support HRS 22 NCT
- Ram Support HRS 22

Accessories

page

65

Ram - Extendo



model	XR 4360 C	
art no	150.032.094	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
total spreading stroke	mm	650
mechanical stroke	mm	300
hydraulic stroke	mm	350
retracted length	mm	625
extended length	mm	1275
spreading force over full stroke	kN/t	100 / 10.2
number of plungers	1	
weight, ready for use	kg	13.6
dimensions (LxWxH)	mm	625 x 209 x 168



Features & benefits ↓

- Higher speed
 - Up to 33% faster operation than the previous generation of battery-operated rescue tools, to deliver the same performance in less time
- Rotating cross heads
 - Easy positioning and perfect grip in every situation
- Self-contained
 - For optimal freedom of movement
 - Rapid deployment: Simply press the start button and start working
- Control handle in central position
- Emission-free
 - Healthier for rescuers and victims
 - Ideal for use in confined and/or underground spaces
- All weather proof
 - Can also be used in the case of (extreme) precipitation and temperatures down to -20°C / -4°F
- Powered by lithium-ion battery technology
 - Combines a long battery life with high capacity for maximum operational use
 - LED indicator shows battery capacity
 - Easy click-on / click-off system on top of unit to change battery with one hand within seconds, even in narrow spaces
 - Tool suitable for use at high altitudes

Standard supplied with ↓

- Carrying handle with 4 integrated LED lights

Additional information ↓

- Various Greenline battery-driven accessories
- Various ram accessories







Greenline Battery - Accessories	page	63
Accessories	page	65

Rams - Greenline Battery ↓

model		GRA 4321 EVO (excl. battery)	GRA 4331 EVO (excl. battery)
art no		150.052.089	150.052.090
max. working pressure	bar/Mpa	720 / 72	720 / 72
spreading / pulling stroke	mm	250	350
retracted length	mm	591	691
extended length	mm	841	1041
spreading force over full stroke	kN/t	161 / 16.4	161 / 16.4
pulling force over full stroke	kN/t	50 / 5.1	50 / 5.1
protection rate		IP54	IP54
number of plungers		1	1
weight, ready for use	kg	18.7	20.1
weight excl. battery	kg	17.7	19.1
dimensions (LxWxH)	mm	452 x 239 x 591	452 x 239 x 691



Rams - Greenline Battery - Accessories



image	description	model	art no
	Greenline battery BPA283, 3 Ah - 28V.	BPA283	150.005.823
	Greenline battery BPA285, 5 Ah - 28V.	BPA285	150.006.208
	Greenline battery charger BCH1, 220-240V.	BCH1	150.182.208
	Greenline battery charger BCH2, 100-120V.	BCH2	150.182.209
	Greenline battery car charger BCH3, 12-24 VDC.	BCH3	150.182.286
	Mains power connector BMC1, 220-240V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC1	150.182.206
	Mains power connector BMC2, 100-120V. Mains cable length: 2.5 m (8 ft.), tool cable length: 8 m (26 ft.).	BMC2	150.182.207
	For one Greenline battery.	-	150.182.214









Rams - Greenline Battery - Accessories



image	description	model	art no
	Carrying strap for hand-operated and battery-driven tools.	-	150.182.249
	Carrying/storage bag (not for battery-driven cutter GCT 4150).	-	150.182.228









Accessories



image	description	model	art no
	Ram support HRS 22 NCT, specially designed for use on the wider door sills and B-pillars of new model cars.	HRS 22 NCT	150.003.105
	Ram support HRS 22, for use with rams.	HRS 22	150.181.011
	Connection piece, to connect 2 extension pipes of 10 tons rams to create a strut. For rams: • RA 4311 C • RA 4313 C • RA 4315 C	-	150.181.573
	Extension pipe, length 125 mm. To create an ever larger opening. For rams: • RA 4311 C • RA 4313 C • RA 4315 C	-	150.181.570
	Extension pipe, length 225 mm. To create an ever larger opening. For rams: • RA 4311 C • RA 4313 C • RA 4315 C	-	150.181.571
	Extension pipe, length 500 mm. To create an ever larger opening. For rams: • RA 4311 C • RA 4313 C • RA 4315 C	-	150.181.572
	Ram heads, 10 t. Set of 2, for rams: • RA 4311 C • RA 4313 C • RA 4315 C	10 Ton	150.014.059
	Accessory kit AS 4300 A contains extension pipes with various lengths, a connection piece and 2 round base plates. For rams: • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO	AS 4300 A	150.182.269

Accessories



image	description	model	art no
	Accessory kit AS 4300 B contains a pulling attachment set, wedge piece, conical tip and 2 cross heads. For rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	AS 4300 B	150.182.296
	The Holmatro rim adapter set is an innovative solution for safe and quick lifting of heavy vehicles. For rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4322 C • RA 4331 C • RA 4332 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.182.580
	Extension pipe connection piece for rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.182.295
	Conical tip for rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4322 C • RA 4231 C • RA 4232 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.181.325
	Extension pipe, 165 mm. To create an ever larger opening. For rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	165 mm	150.006.373
	Extension pipe, 330 mm. To create an ever larger opening. For rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	330 mm	150.006.372
	Extension pipe, 500 mm. To create an ever larger opening. For rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	500 mm	150.006.204
	Pulling attachments set for use with rams: <ul style="list-style-type: none"> • RA 4321 C • RA 4331 C • RA 4322 C • RA 4332 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.582.281



Accessories



image	description	model	art no
	<p>Wedge piece, for rams:</p> <ul style="list-style-type: none"> • RA 4321 C • RA 4322 C • RA 4331 C • RA 4332 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.181.324
	<p>Base plate, round for use with rams:</p> <ul style="list-style-type: none"> • RA 4321 C • RA 4322 C • RA 4331 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.181.326
	<p>Pulling chains set in case for spreaders and all 16 ton rams:</p> <ul style="list-style-type: none"> • SP 5240 • SP 5240 CL • GSP 5240 • GSP 5240 CL • RA 4321 C • RA 4322 C • RA 4331 C • RA 4332 C • GRA 4321 EVO • GRA 4331 EVO 	-	150.582.021
	<p>Pulling chains set for spreaders, combi tools and rams:</p> <ul style="list-style-type: none"> • SP 5240 CL • GSP 5240 CL EVO • SP 5240 • GSP 5240 EVO • RA 4321 C • GRA 4321 EVO • RA 4331 C • GRA 4331 EVO 	-	150.582.152
	<p>Ram heads, 16 t. Set of 2, for rams:</p> <ul style="list-style-type: none"> • RA 4321 C • RA 4322 C • RA 4231 C • RA 4232 C • GRA 4321 EVO • GRA 4231 EVO 	16 Ton	150.014.062
	<p>Carrying handle for rams:</p> <ul style="list-style-type: none"> • RA 4322 • RA 4332 	-	150.013.163
	<p>Extension pipe, length 250 mm. To create an ever larger opening. For telescopic ram:</p> <ul style="list-style-type: none"> • TR 4340 C 	-	150.181.330

Accessories



image	description	model	art no
	Extension pipe, length 450 mm. To create an ever larger opening. For telescopic ram: <ul style="list-style-type: none">• TR 4340 C	-	150.181.331
	Ram heads, telescopic. Set of 2, for ram: <ul style="list-style-type: none">• TRA 4340 C	Telescopic	150.014.060



holmatro®

holmatro

holmatro
1000W
12V
CE



Features & benefits ↓

- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Emission-free
 - Ideal for powering rescue equipment in confined spaces like tunnels, trains and collapsed buildings
 - Environmentally friendly
- All weather proof
 - Suitable for use at below zero temperatures, up to -20°C / -4°F
 - Suitable for use in wet weather conditions
- ECO whisper mode
 - Power saving and extremely low noise level when tool is not in use
- LED lights above the valve block and LED battery indicator
 - Easy to locate pump in the dark
 - Facilitates coupling and uncoupling of hose in the dark
 - Indicates battery capacity while pump is in use
 - When pump is not in use, the battery capacity can be checked by pressing a button
- Next-generation lithium-ion battery technology
 - High capacity for long running time
 - Same tool performance as other rescue pumps
 - Can be used at high altitudes ($>1000\text{ m}$)
- Long running time
 - 140 Minutes during common vehicle extrications, even with the use of heavy-duty rescue tools
 - 70 Minutes continuous spread/cut tool use

Standard supplied with ↓

- Battery level indicator
- LED lighting above CORE coupler
- Charger connector
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories

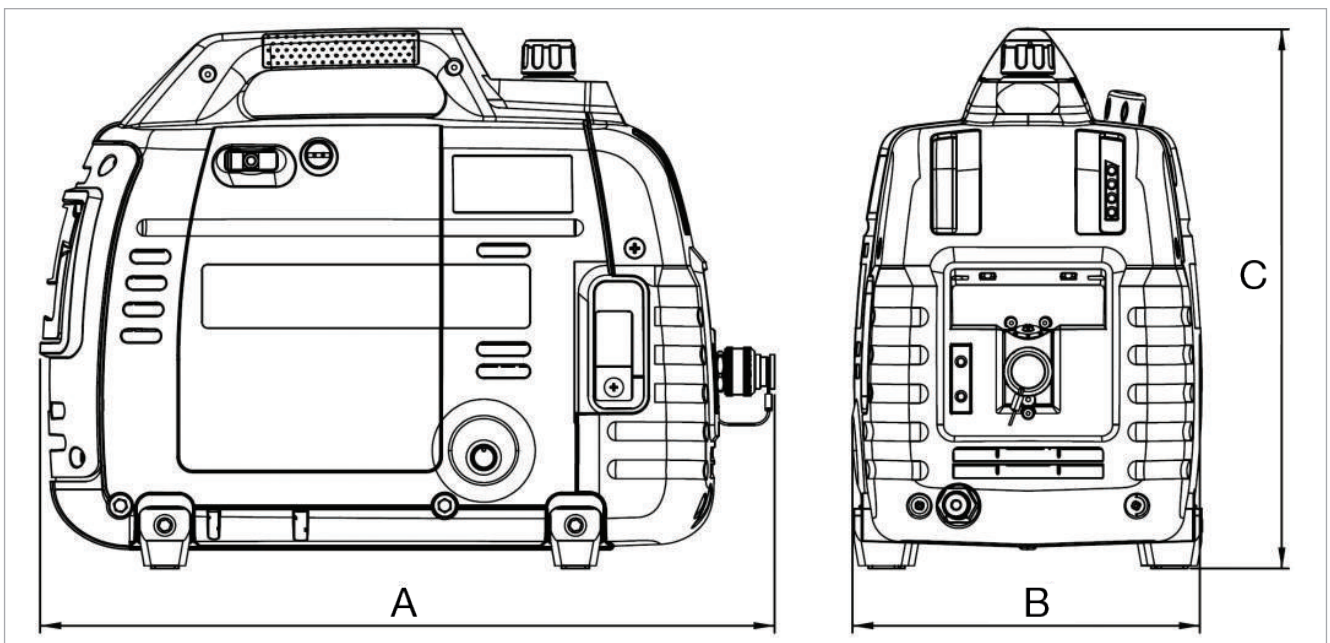
page

72


Pump - Greenline Battery



model	SPU 16 BC (excl. battery)	
art no	150.152.689	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
capacity oil tank (effective)	cc	1700
operator type	battery	
number of tool connections	1	
number of tools simultaneously usable	1	
pump type	3-stage axial pump	
weight, ready for use	kg	17.4
dimensions (AxBxC)	mm	530 x 252 x 388



Pump - Greenline Battery - Accessories


image	description	model	art no
	Inverter enables to charge battery of SPU 16 BC from a vehicles 12 VDC battery. For use in combination with the battery charger.	12VDC	150.004.586
	Quick Fix And Release Bracket to secure pump in rescue truck.	-	150.062.188
	Angled mounting plate truck side to mount a Quick Fix and Release Bracket under an angle.	-	150.062.193
	Charger for charging battery of Greenline battery pump SPU 16 BC.	SPU 16 BC	150.004.048
	Docking station battery enables to charge battery of SPU 16 BC outside the pump. To be used in combination with battery charger.	Battery SPU 16 BC	150.004.623
	Mounting plate pump side to be used in combination with Quick Fix and Release Bracket.	SPU 16	150.062.192



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Extremely low noise level
 - Enables easy communication with victim(s) and between rescuers, no need to switch off the pump
- Standard in ECO mode: Electronic engine speed control
 - Engine speed increases automatically to maximum when tool is used. When tool is not used, engine reverts to idle speed
 - Minimizes noise level at the rescue scene
 - Minimizes fuel
- Lightweight and ergonomic
 - Slim design to carry close to body, carrying handle centrally positioned
 - Easy to carry by one person to accident location
- All parts covered
 - Protects user from hot engine components when carrying pump
 - No protruding parts to catch on clothing
- Lighting above valve block
 - Easy identification of pump location in the dark
 - Facilitates (un)coupling of hoses in the dark

Standard supplied with



- Oil and fuel level gauges
- Protection against low engine oil by sensor
- LED lighting above CORE coupler
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories

page

75

Pumps - Personal Power - SPU 16 PC



model	SPU 16 PC	
art no	150.152.671	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
capacity oil tank (effective)	cc	1680
operator type	petrol engine	
number of tool connections	1	
number of tools simultaneously usable	1	
pump type	3-stage axial pump	
engine	4-stroke - 2.1 HP - 1.6 kW	
weight, ready for use	kg	16.7
dimensions (LxWxH)	mm	510 x 250 x 380



Features & benefits ↓

- Simultaneous operation of two rescue tools
- Large hydraulic oil capacity
 - Enough oil to operate any two tools at the same time, including all heavy-duty rescue equipment
- Lighting above valve block
 - Easy identification in the dark and facilitates coupling and uncoupling of hoses
- Large and clear gauges on front side
 - Quick and easy checking of hydraulic oil and petrol levels

Standard supplied with ↓

- LED lighting above valve block
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

[Accessories](#)

[page](#)


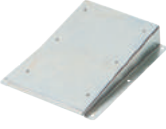


[75](#)

Pumps - Personal Power - DPU 31 PC ↓

model	DPU 31 PC
art no	150.152.180
equipped with (connector type)	CORE
max. working pressure	bar/Mpa 720 / 72
capacity oil tank (effective)	cc 2490
operator type	petrol engine
number of tool connections	2
number of tools simultaneously usable	2
pump type	2 x 2-stage axial pump
engine	4-stroke - 3.5 HP - 2.6 kW
weight, ready for use	kg 24.9
dimensions (LxWxH)	mm 600 x 290 x 425

Pumps - Personal Power - Accessories



image	description	model	art no
	Quick Fix And Release Bracket to secure pump in rescue truck.	-	150.062.188
	Angled mounting plate truck side to mount a Quick Fix and Release Bracket under an angle.	-	150.062.193
	Mounting plate pump side to be used in combination with Quick Fix and Release Bracket.	SPU 16	150.062.192
	Mounting Plate Pump Side for DPU 31 PC.	DPU 31 PC	150.062.191



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Large hydraulic oil capacity
 - Pump can be used with any tool including the biggest rams
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Oil level indicator / sensor
 - For quick and easy monitoring of oil level from outside of the pump
 - Engine oil level sensor secures motor from running without oil
- Hydraulic oil level indicator
 - For quick and easy monitoring of oil level from the outside of the pump
- Engine oil level sensor
 - Secures motor from running without oil

Standard supplied with



- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories



- ECO mode
- Mounting plate pump side SR 10
- Quick Fix & Release Bracket
- Angled mounting plate truck side
- LED light Spider Range

Additional information



- Pump is also available with ECO mode

[Accessories](#)

page

84

Pumps - Spider Range - SR 10



model	SR 10 PC 1	SR 10 PC 1 E
art no	150.152.690	150.152.691
equipped with (connector type)	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72
capacity oil tank (effective) cc	2500	2500
operator type	petrol engine	petrol engine
number of tool connections	1	1
number of tools simultaneously usable	1	1
pump type	3-stage axial pump	3-stage axial pump
engine	4-stroke - 2.1 HP - 1.6 kW	4-stroke - 2.1 HP - 1.6 kW
weight, ready for use kg	14.5	15.2
dimensions (LxWxH) mm	360 x 290 x 423	360 x 290 x 423



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Compact and lightweight
 - Ergonomic, compact design
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Large hydraulic oil capacity
 - Pump can be used with any tool including the biggest rams (STO models)
 - Enough oil to operate any two rescue tools at the same time (MTO)
- Hydraulic oil level indicator
 - For quick and easy monitoring of oil level from the outside of the pump

Standard supplied with



- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories



- Mounting plate pump side SR 20
- Quick Fix & Release Bracket
- Angled mounting plate truck side
- LED light Spider Range

Additional information



- Pump is also available with ECO mode

Accessories

page

84

Pumps - Spider Range - SR 20



model	SR 20 PC 2	SR 20 PC 2 E	SR 20 DC 1	SR 20 DC 2
art no	150.152.696	150.152.697	150.152.699	150.152.730
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
capacity oil tank (effective) cc	4000	4000	4000	4000
operator type	petrol engine	petrol engine	electric motor	electric motor
number of tool connections	2	2	1	2
number of tools simultaneously usable	2	2	1	2
pump type	2 x 3-stage axial pump	2 x 3-stage axial pump	3-stage axial pump	3-stage axial pump
engine	4-stroke - 3.0 HP - 2.2 kW	4-stroke - 3.0 HP - 2.2 kW	230 VAC - 1.1 kW - 50 Hz - 1 Ph	230 VAC - 1.8 kW - 50 Hz - 1 Ph
required power KVA			4.8	7.2
weight, ready for use kg	22.7	23.4	24.9	34.0
dimensions (LxWxH) mm	455 x 315 x 460	455 x 315 x 460	455 x 315 x 460	455 x 315 x 460



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Large hydraulic oil capacity
 - Enough oil to operate any two tools at the same time, including all heavy-duty rescue equipment
- Complete with hose reels in front of pump and tool support on top of pump
 - With 15 m hoses on each of the 2 reels
 - With universal tool support for cutters, spreaders and combi tools
- Foldable carrying handles
 - For easy carrying
 - Foldable for easy storage
- Hydraulic oil level indicator
 - For quick and easy monitoring of oil level from the outside of the pump
- Hose reels equipped with foldable handle for hose winding
 - To save valuable storage space in your rescue truck
 - Quick and easy to use: Handle folds out and locks in one step

Standard supplied with



- Orange hoses
- Tool support
- Foldable carrying handles
- Foldable handle for hose winding on hose reels
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Additional information



- Pump is also available with wheel set

Accessories

page

84

Pumps - Spider Range - SR 30



model	SR 31 PC 2	SR 32 PC 2	SR 31 DC 2	SR 32 DC 2
art no	150.152.703	150.152.707	150.152.711	150.152.713
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
capacity oil tank (effective) cc	4000	4000	4000	4000
operator type	petrol engine	petrol engine	electric motor	electric motor
number of tool connections	2	2	2	2
number of tools simultaneously usable	2	2	2	2
pump type	3-stage axial pump	3-stage axial pump	2 x 3-stage axial pump	2 x 3-stage axial pump
engine	4-stroke - 3.0 HP - 2.2 kW	4-stroke - 3.0 HP - 2.2 kW	230 VAC - 1.8 kW - 50 Hz - 1 Ph	230 VAC - 1.8 kW - 50 Hz - 1 Ph
length hoses on double hose reel m	15	20	15	20
hose colour left	orange	orange	orange	orange
hose colour right	orange	orange	orange	orange
required power KVA			7.2	7.2
weight, ready for use kg	62.0	66.9	70.2	75.1
dimensions (LxWxH) mm	800 x 452 x 518	800 x 452 x 518	800 x 452 x 518	800 x 452 x 518



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Optimal weight / performance ratio
 - Lighter than comparable heavy duty pumps
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Large hydraulic oil capacity
 - Enough oil to operate any two tools at the same time and multiple tools successively, including the biggest rams
- Hydraulic oil level indicator on pump
 - Integrated dip stick for quick and easy monitoring of oil level

Standard supplied with



- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories



- LED light Spider Range
- CORE elbow connector

Additional information



- Also available with electric start
- Detachable operation panel (240 x 190 x 150 mm) incl. 3 m cable with connector
- Including battery; automatically charged when engine runs

Accessories

page

84

Pumps - Spider Range - SR 40 - Without hose reels



model	SR 40 PC 2	SR 40 PC 2 E	SR 40 DC 2
art no	150.152.715	150.152.716	150.152.724
equipped with (connector type)	CORE	CORE	CORE
max. working pressure	bar/Mpa	720 / 72	720 / 72
capacity oil tank (effective)	cc	6000	6000
operator type	petrol engine	petrol engine	electric motor
number of tool connections	2	2	2
number of tools simultaneously usable	2	2	2
pump type	3-stage axial pump	3-stage axial pump	2 x 3-stage axial pump
engine	4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW	230 VAC - 1.8 kW - 50 Hz - 1 Ph
required power	KVA		7.2
weight, ready for use	kg	37.3	41.0
dimensions (LxWxH)	mm	497 x 467 x 492	497 x 467 x 492



Features & benefits ↓

- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Optimal weight / performance ratio
 - Lighter than comparable heavy duty pumps
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Hydraulic oil level indicator
 - Integrated dip stick on top of oil tank for quick and easy monitoring of oil level
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Hose reels equipped with foldable handle for hose winding
 - To save valuable storage space in your rescue truck
 - Quick and easy to use: Handle folds out and locks in one step

Standard supplied with ↓

- Hydraulic oil level indicator (dipstick)
- Orange hoses
- Foldable handle for hose winding on hose reels
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories

page

84

Pumps - Spider Range - SR 40 - With hose reels ↓

model	SR 41 PC 2	SR 42 PC 2	SR 41 DC 2	SR 42 DC 2
art no	150.152.718	150.152.721	150.152.726	150.152.728
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
capacity oil tank (effective) cc	6000	6000	6000	6000
operator type	petrol engine	petrol engine	electric motor	electric motor
number of tool connections	2	2	2	2
number of tools simultaneously usable	2	2	2	2
pump type	3-stage axial pump	3-stage axial pump	2 x 3-stage axial pump	2 x 3-stage axial pump
engine	4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW	230 VAC - 1.8 kW - 50 Hz - 1 Ph	230 VAC - 1.8 kW - 50 Hz - 1 Ph
length hoses on double hose reel m	15	20	15	20
hose colour left	orange	orange	orange	orange
hose colour right	orange	orange	orange	orange
required power KVA			7.2	7.2
weight, ready for use kg	61.5	66.4	65.2	70.1
dimensions (LxWxH) mm	866 x 552 x 507	866 x 552 x 507	866 x 552 x 507	866 x 552 x 507



Features & benefits



- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Large hydraulic oil capacity
 - Enough oil to operate any two tools at the same time, including all heavy-duty rescue equipment
- Hydraulic oil level indicator
 - Integrated dip stick on top of oil tank for quick and easy monitoring of oil level
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Non-toxic mineral oil
 - Environmentally friendly

Standard supplied with



- Electric start: Detachable operation panel (dimensions 240x190x150 mm/9.5x7.5x5.9 in), including 3m/9.8ft cable with connector
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories



- LED lighting
- ECO mode

Accessories

page

84

Pumps - Spider Range - Electric Start



model		SR 40 PC 2 S	SR 40 PC 2 ES	SR 40 PC 4 S	SR 41 PC 2 S	SR 42 PC 2 S
art no		150.152.758	150.152.762	150.152.759	150.152.760	150.152.761
equipped with (connector type)		CORE	CORE	CORE	CORE	CORE
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
capacity oil tank (effective)	cc	6000	6000	6000	6000	6000
operator type		petrol engine	petrol engine	petrol engine	petrol engine	petrol engine
number of tool connections		2	2	4	2	2
number of tools simultaneously usable		2	2	4	2	2
pump type		3-stage axial pump	3-stage axial pump	4 x 3-stage axial pump	3-stage axial pump	3-stage axial pump
engine		4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW	4-stroke - 5.5 HP - 4.1 kW
length hoses on double hose reel	m				15	20
hose colour left					orange	orange
hose colour right					orange	orange
weight, ready for use	kg	41.9	42.3	50.4	66.1	70.9
dimensions (LxWxH)	mm	497 x 467 x 492	497 x 467 x 492	497 x 467 x 492	866 x 552 x 507	866 x 552 x 507



Features & benefits ↓

- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Large hydraulic oil capacity
 - Enough oil to operate any four tools at the same time
- Hydraulic oil level indicator
 - Integrated dip stick on top of oil tank for quick and easy monitoring of oil level
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for improved carrying balance
 - Pump easier to carry
- Non-toxic mineral oil
 - Environmentally friendly

Standard supplied with ↓

- Hydraulic oil level indicator (dipstick)
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- LED lighting
- ECO mode

Accessories

page

84

Pumps - Spider Range - Quattro ↓

model	SR 40 PC 4	SR 40 EC 4
art no	150.152.755	150.152.756
equipped with (connector type)	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72
capacity oil tank (effective) cc	6000	6000
operator type	petrol engine	electric motor
number of tool connections	4	4
number of tools simultaneously usable	4	4
pump type	4 x 3-stage axial pump	4 x 3-stage axial pump
engine	4-stroke - 5.5 HP - 4.1 kW	400 VAC - 4 kW - 50 Hz - 3 Ph
required power KVA		11
weight, ready for use kg	45.8	54.6
dimensions (LxWxH) mm	497 x 467 x 492	560 x 467 x 492



Features & benefits ↓

- 3-stage pump technology
 - Much higher flow/speed in 2nd stage for quicker rescue operations
 - Lower flow/speed in 3rd stage for more tool control
- Large hydraulic oil capacity
 - Enough oil to operate any two tools at the same time, including all heavy-duty rescue equipment
- Hydraulic oil level indicator
 - Integrated dip stick for quick and easy monitoring of oil level
- Soft-grip carrying handle
 - Better grip
 - Ergonomic design for optimal carrying balance
- Non-toxic mineral oil
 - Environmentally friendly

Standard supplied with ↓

- Hydraulic oil level indicator (dipstick)
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- LED lighting
- ECO mode

[Accessories](#)

[page](#)


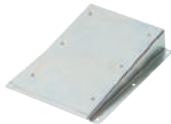






[84](#)

Pumps - Spider Range - Diesel ↓

model	SR 40 YC 2	
art no	150.152.737	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
capacity oil tank (effective)	cc	6000
operator type	diesel engine	
number of tool connections	2	
number of tools simultaneously usable	2	
pump type	2 x 3-stage axial pump	
engine	4-stroke - 4.2 HP - 3.1 kW	
weight, ready for use	kg	47.0
dimensions (LxWxH)	mm	497 x 467 x 572


Pumps - Spider Range - Accessories



image	description	model	art no
	Quick Fix And Release Bracket to secure pump in rescue truck.	-	150.062.188
	Angled mounting plate truck side to mount a Quick Fix and Release Bracket under an angle.	-	150.062.193
	LED Light Spider Range can be attached on the frame of the pump for better sight.	-	590.000.343
	Mounting plate pump side, to be used in combination with Quick Fix and Release Bracket.	SR 10	150.062.189
	ECO module to upgrade your existing SR 10 PC 1 pump to an SR 10 PC 1 E pump with ECO whisper mode for low noise and reduced fuel consumption. Procedure should be executed by a certified Holmatro (Dealer) Service Technician or Engineer.	SR 10 PC 1 E	150.182.270
	ECO module to upgrade your existing SR 20 PC 2 pump to an SR 20 PC 2 E pump with ECO whisper mode for low noise and reduced fuel consumption. Procedure should be executed by a certified Holmatro (Dealer) Service Technician or Engineer.	SR 20 PC 2 E	150.182.271
	ECO module to upgrade your existing SR 40 PC 2 pump to an SR 40 PC 2 E pump with ECO whisper mode for low noise and reduced fuel consumption. Procedure should be executed by a certified Holmatro (Dealer) Service Technician or Engineer.	SR 40 PC 2 E	150.182.272
	Mounting plate pump side, to be used in combination with Quick Fix and Release Bracket.	SR 20	150.062.190

Pumps - Spider Range - Accessories



image	description	model	art no
	<p>CORE elbow connector for CORE hoses that are permanently connected to built-in pumps; saves valuable space in the rescue vehicle.</p>	<p>-</p>	<p>150.182.176</p>





Features & benefits ↓

- Extreme compact and lightweight
 - Ideal for use in narrow spaces
- Foot controlled
 - One man can operate the tool and the pump at the same time
- Versatile
 - An air bottle in combination with a pressure reducer can also be used as a source of energy
- For use in areas with explosion risk
- Non-toxic mineral oil
 - Environmentally friendly

Standard supplied with ↓

- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Pump - Air-driven ↓

model	AHS 1400 FDUC	
art no	150.152.584	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
max. air pressure	bar/Mpa	8 / 0.8
operator type	air	
number of tool connections	1	
weight, ready for use	kg	6.9
dimensions (LxWxH)	mm	333 x 125 x 200



Features & benefits



- Compact & lightweight
 - Easy to carry, handle and store
- Higher flow
 - To complete your actions quicker
- Soft-grip pump handle
 - Offers more comfort and grip during operation of the pump
- 'Push & Unlock' system
 - You can start pumping immediately, no need to remove a clasp first
- Hydraulic oil level indicator
 - For quick and easy monitoring of the oil level from the outside of the pump
- Built-in funnel
 - Filling up your pump with oil has never been easier
- Non-slip rubber underneath
 - Prevents the pump from slipping during its operation
- Soft-grip relief valve
 - Offers good grip, which makes operation of the valve easier

Hand/Foot Pumps - Two-stage



model	PA 04 H 2 S	PA 09 H 2 S	PA 09 H 2 C	PA 18 H 2 C	PA 18 F 2 C
art no	150.142.046	150.142.068	150.142.054	150.142.056	150.142.060
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
equipped with (connector type)	single hose	single hose	CORE	CORE	CORE
capacity oil tank (effective) cc	410	900	900	1800	1800
operator type	hand	hand	hand	hand	foot
weight, ready for use kg	3.5	4.8	4.8	7.7	8.4
dimensions (LxWxH) mm	485 x 135 x 165	667 x 135 x 170	664 x 135 x 170	745 x 160 x 175	769 x 160 x 168



Features & benefits



- Unique 3-stage hand pump
 - Incomparably high oil output for extremely high working speeds
- Ergonomic design pump handle
 - In 2 positions adjustable (horizontal or vertical position) for optimal ease of operation
- Automatic change-over valves from 1st to 2nd stage and from 2nd to 3rd stage
- Automatic airvent
 - Max. oil volume always available
- Maintenance friendly design
 - Scraper ring protects the piston against dirt
- Non-toxic mineral oil
 - Environmentally friendly

Standard supplied with



- Base plate
- Hydraulic oil level indicator
- Automatic air ventilation
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Hand Pump - Three-stage



model	HTT 1800 UC	
art no	150.142.024	
max. working pressure	bar/Mpa	720 / 72
equipped with (connector type)	CORE	
capacity oil tank (effective)	cc	1800
operator type	hand	
number of tool connections	1	
weight, ready for use	kg	17.2
dimensions (LxWxH)	mm	856 x 400 x 214



Features & benefits ↓

- Safety couplers
 - One step auto-lock coupler
 - Two step uncoupling system
- According to all international safety norms
 - 4:1 safety ratio for both pressure and return lines
 - According to EN 13204 and NFPA 1936

Standard supplied with ↓

- Bend restrictor on both sides
- Hose binder
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

CORE Hoses ↓

model	C 05 OU	C 10 OU	C 15 OU	C 05 BU	C 10 BU	C 15 BU
art no	150.570.042	150.570.043	150.570.044	150.570.045	150.570.046	150.570.047
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
color	orange	orange	orange	blue	blue	blue
length m	5	10	15	5	10	15
weight, ready for use kg	2.5	4.7	6.9	2.5	4.7	6.9

CORE Hoses ↓

model	C 20 BU	C 05 GU	C 10 GU	C 15 GU	C 20 GU	C 05 ZU
art no	150.570.096	150.570.057	150.570.058	150.570.059	150.570.146	150.570.060
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
color	blue	green	green	green	green	black
length m	20	5	10	15	20	5
weight, ready for use kg	9.1	2.5	4.7	6.9	9.1	2.5

CORE Hoses ↓

model	C 10 ZU	C 15 ZU
art no	150.570.061	150.570.062
equipped with (connector type)	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72
color	black	black
length m	10	15
weight, ready for use kg	4.7	6.9



Features & benefits ↓

- For (electric) hose reels that are built-in trucks
 - No unnecessary hose length
- One hose system (hose in hose) - protected power
 - Increased safety for rescuer - high pressure hose protected by low pressure hose
- According to all international safety norms
 - 4:1 safety ratio for both pressure and return lines
 - According to EN 13204 and NFPA 1936

Standard supplied with ↓

- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

CORE - Connection Hoses ↓

model	C 1.5 OU	C 1.5 BU	C 02 OU	C 02 BU	C 03 OU	C 03 BU
art no	150.570.049	150.570.050	150.570.123	150.570.124	150.570.125	150.570.126
equipped with (connector type)	CORE	CORE	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
color	orange	blue	orange	blue	orange	blue
length m	1.5	1.5	2	2	3	3
weight, ready for use kg	1.0	1.0	1.2	1.2	1.6	1.6



Features & benefits



- Equipped with foldable handle for hose winding
 - To save valuable storage space in your rescue truck
 - Quick and easy to use: Handle folds out and locks in one step

Standard supplied with



- Brake system
- Foldable handle for hose rolling
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

CORE - Single Hose Reels



model	HR 5415 O	HR 5415 B	HR 5420 O	HR 5420 B
art no	150.072.176	150.072.177	150.072.178	150.072.179
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
color	orange	blue	orange	blue
length hose on single hose reel	m	15	15	20
weight, ready for use	kg	17.3	17.3	19.4
dimensions (LxWxH)	mm	526 x 251 x 521	526 x 251 x 521	526 x 251 x 521



Features & benefits



- Equipped with foldable handles for hose winding
 - To save valuable storage space in your rescue truck
 - Quick and easy to use: Handle folds out and locks in one step

Standard supplied with



- Brake system
- Foldable handles for hose rolling
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

CORE - Double Hose Reels



model	HR 5515 OO	HR 5515 OB	HR 5520 OO	HR 5520 OB
art no	150.072.180	150.072.181	150.072.182	150.072.183
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
length hoses on double hose reel	m	15	15	20
hose colour left	orange	orange	orange	orange
hose colour right	orange	blue	orange	blue
weight, ready for use	kg	34.7	34.7	38.8
dimensions (LxWxH)	mm	526 x 497 x 521	526 x 497 x 521	526 x 497 x 521



Features & benefits ↓

- Safety couplers
 - One step auto-lock coupler
 - Two step uncoupling system
- According to all international safety norms
 - 4:1 safety ratio for both pressure and return lines
 - According to EN 13204 and NFPA 1936
- Electric driven rewinding system
 - Quick, easy and perfect rewinding of hose
 - Easy to clean during rewinding
- Available in left- and right version
 - Allows for an efficient layout in rescue trucks

Standard supplied with ↓

- Electric driven rewinding system
- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

CORE - Electric Hose Reels ↓

model	HR 4425 ACLO	HR 4425 ACRB	HR 4430 ACLO	HR 4430 ACRB
art no	150.072.067	150.072.072	150.072.059	150.072.064
equipped with (connector type)	CORE	CORE	CORE	CORE
max. working pressure bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
color	orange	blue	orange	blue
length hose on single hose reel m	25	25	30	30
hose reel version	left	right	left	right
weight, ready for use kg	38.0	38.0	40.5	40.5
dimensions (LxWxH) mm	483 x 546 x 457	483 x 546 x 457	483 x 546 x 457	483 x 546 x 457



Features & benefits



- With quick couplers with lock-ring on both ends
 - Prevents unwanted uncoupling
- Hose filled with oil
 - Ready for use

Standard supplied with



- With anti-kink springs on both ends
- Safety ratio 4:1

Single Hoses



model		B 1 SOU	B 2 SOU	B 3 SOU	B 3 SGU	B 5 SOU	B 5 SGU
art no		150.570.063	150.572.035	150.572.033	150.572.034	150.572.058	150.572.059
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72	720 / 72
color		orange	orange	orange	green	orange	green
length	m	1	2	3	3	5	5
weight, ready for use	kg	1.0	1.3	1.6	1.6	2.3	2.3



Features & benefits



- Self-contained rescue cutter
 - No external power source required
 - No hose(s) required
- Pump and tool in one
 - Fits in every rapid intervention vehicle
 - Lightweight, easy to carry and transport
 - Easy to use
- Handle can rotate in every direction
 - Versatile, for every rescue operation
 - Less re-positioning of tool ensures a fast rescue operation
- Pump is of 2-stage type
 - Without load: Higher operating speed for a fast rescue operation
 - With load: Little force needed
- Compact as pump handle can be folded up
 - Easier to transport and carry, less space when stored
- Low noise level
- Non-slip carrying handle
 - For a perfect grip under all circumstances
- Perfect balance
 - Easy to pick up and to carry

Standard supplied with



- Foldable pump handle

Accessories



- Carrying harness
- Carrying strap

Hand-operated Cutter



model	HCU 4010 GP	
art no	150.012.147	
max. working pressure	bar/Mpa	720 / 72
max. cutting opening	mm	142
max. cutting force C0	kN/t	254 / 25.9
operator type	hand	
weight, ready for use	kg	10.3
dimensions (LxWxH)	mm	645 x 205 x 181



Features & benefits



- Self-contained rescue tool
 - No external power source required
 - No hose(s) required
- Pump and tool in one
 - Fits in every rapid intervention vehicle
 - Lightweight, easy to carry and transport
 - Easy to use
- Handle foldable and rotatable
 - Easy carrying and storage
 - Can be used in any position
- Small insertion height with high spreading force
 - A Power Wedge is the first tool to use in a lifting operation. It creates an initial gap for positioning other equipment such as spreaders or lifting bags
- Low noise level
- Non-slip carrying handle
 - For a perfect grip under all circumstances

Standard supplied with



- Integrated lighting

Accessories



- Carrying strap
- Carrying harness
- Carrying/storage case (H)PW 4624 (C) ST

Hand-operated Power Wedge



model	HPW 4624	
art no	150.062.132	
max. working pressure	bar/Mpa	720 / 72
min. insertion space	mm	6
max. lifting height	mm	51
max. spreading force	kN/t	253 / 25.8
weight, ready for use	kg	11.8
dimensions (LxWxH)	mm	713 x 270 x 197



Features & benefits ↓

- Extremely compact & ultra-lightweight
 - Easy to carry, handle, transport and store
 - Ideal for use in confined spaces or at remote locations
- Optimal performance to weight ratio
 - Extremely high spreading force compared to size and weight
 - High cutting force compared to size and weight
- Multifunctional
 - One tool for cutting, spreading and squeezing
 - Suitable for a variety of operations, from rapid intervention in vehicle rescue to USAR
 - Suitable for under water use
- Non-slip selection ring
 - Easy, intuitive selection of cutting or spreading function
 - Offers good grip
- Self-contained with integrated 2-stage pump
 - Rapid deployment: Simply fold out the pump handle and start pumping
 - Pump handle 360° rotatable and lockable in 22 positions for use of the tool in almost any position

Standard supplied with ↓

- i-Bolt Technology
- Carrying handle with integrated LED lighting
- 360° rotatable & fold flat pump handle

Accessories

page








98

Hand-operated Combi Tools ↓

model		HCT 5111	HCT 5111 RH	HCT 5117	HCT 5117 RH
art no		150.012.262	150.012.258	150.012.263	150.012.259
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
spreading distance	mm	281	281	431	431
max. cutting opening	mm	196	196	352	352
max. spreading force	kN/t	457 / 46.6	457 / 46.6	54 / 5.5	54 / 5.5
min. spreading force (EN 13204)	kN/t	48 / 4.9	48 / 4.9	28 / 2.9	28 / 2.9
max. cutting force CO	kN/t	206 / 21	206 / 21	204 / 20.8	204 / 20.8
max. squeezing force	kN/t	44 / 4.5	44 / 4.5	27 / 2.8	27 / 2.8
max. pulling force	kN/t			30 / 3.1	30 / 3.1
max. pulling force (NFPA 1936, HPF)	kN/t			27 / 2.8	27 / 2.8
min. pulling force (NFPA 1936, LPF)	kN/t			18 / 1.8	18 / 1.8
max. spreading force (NFPA 1936, HSF)	kN/t	52 / 5.3	52 / 5.3	32 / 3.3	32 / 3.3
min. spreading force (NFPA 1936, LSF)	kN/t	40 / 4.1	40 / 4.1	25 / 2.5	25 / 2.5
operator type		hand	hand	hand	hand
weight, ready for use	kg	8.7	8.7	9.4	9.4
dimensions (LxWxH)	mm	540 x 287 x 193	540 x 223 x 145	626 x 287 x 193	626 x 223 x 145

Hand-operated Combi Tools - Accessories



image	description	model	art no
	Carrying harness, to carry a hand-operated or battery-driven tool on your back.	-	150.553.115
	Carrying strap, for use with all hand-operated tools.	-	150.582.506
	Carrying / storage case: * Room for: HCU 4010 GP ST - Cutter HCU 4010 GP - User manual * Room for HCT 4120 ST with accessories. - Combi tool HCT 4120 ST - 1 set pulling chains - 1 set pulling adapters - User manual	HCT 4120 / HCU 4010 ST	150.003.377
	Pulling attachments set for use with combi tools: • CT 4120 C • HCT 4120 • GCT 4120 EVO	-	150.582.551
	Pulling attachments set for combi tools: • CT 5117 • HCT 5117 • GCT 5117 EVO	-	150.182.241
	Synthetic orange carrying / storage box with set pulling attachments and pulling chains, for use with combi tools: • CT 4120 C • HCT 4120 • GCT 4120 EVO	-	150.582.028
	Pulling chains set for combi tools: • CT 5117 • HCT 5117 • GCT 5117 EVO	-	150.582.548
	Pulling chains set for spreaders, combi tools and rams: • SP 5240 CL • GSP 5240 CL EVO • SP 5240 • GSP 5240 EVO • RA 4321 C • GRA 4321 EVO • RA 4331 C • GRA 4331 EVO	-	150.582.152



Features & benefits



- Low visibility
- Quiet operation with hand pump
- High spreading and pushing forces
- Low ready for use weight
- Adaptable to every door width
 - Spreading jack manually extendible in 4 positions over 200 mm
 - Hydraulically extendible with another 125 mm
 - Can also be used with extension piece of 275 mm
- Quick installation and operation

Standard supplied with



- Round pushing plate
- 2 general grip heads
- Extension piece
- Synthetic carrying / storage case

Accessories



- Bundled hose H 10 Z ST
- Hand pump HTT 1250 ST

Door Opener - HDR 50 ST



model	HDR 50 ST	
art no	150.062.016	
max. working pressure	bar/Mpa	720 / 72
stroke	mm	125
max. length excl. extension pieces	mm	1045
max. length incl. extension pieces	mm	1320
capacity, spreading jack	kN/t	47 / 4.8
capacity, pushing jack	kN/t	51 / 5.2
weight, ready for use	kg	14.7



Features & benefits ↓

- Versatile
 - Opens doors that opens to the inside in less than 30 seconds, regardless of locks, door-chains or catches
- With 360° rotatable handle
 - For optimal ease of installation
- With rotating hose connection

Standard supplied with ↓

- Rotating hose connection
- Carrying handle
- Synthetic carrying / storage case

Additional information ↓

Also available:

- 150.062.008 - Door Opener HDO 100 with 30 cm pigtail hose, without handle.
- 150.062.123 - Door Opener HDO 100 with flexible 360 degrees rotating connection hose (30 cm), rotating handle, hand pump PA 04 H 2 S, 3 meters single hose B 3 SOU in synthetic carrying case.

Door Opener - HDO 100 ↓

model		HDO 100	HDO 100 - 2
art no		150.062.007	150.062.213
max. working pressure	bar/Mpa	720 / 72	720 / 72
stroke	mm	130	130
retracted length	mm	264	300
extended length	mm	430	430
max. spreading force	kN/t	100 / 10.2	100 / 10.2
capacity, spreading jack	kN/t	100 / 10.2	100 / 10.2
weight, ready for use	kg	6.7	14.2
dimensions (LxWxH)	mm	300 x 120 x 154	600 x 400 x 185



Features & benefits ↓

- Heavy-duty
 - Designed to quickly break away large, thick pieces of concrete
- Limited dust
 - Supports a clear view at the rescue scene
- No vibrations
 - Prevents risk of secondary collapse
- Ideal combination
 - A perfect combination: Concrete Crusher CC 20 C and cutting re-bar with cutter CU 4007 C

Standard supplied with ↓

- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Concrete Crusher ↓

model	CC 20 C	
art no	150.012.234	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
max. crushing opening	mm	230
crushing force	kN/t	68 / 6.9
weight, ready for use	kg	22.9
dimensions (LxWxH)	mm	880 x 440 x 210



Features & benefits ↓

- Special blade and jaw design
 - Re-bar, chain and padlock can easily be cut
- Lightweight
 - Easy to carry, also over rough terrain
- Compact
 - Suitable for use in confined spaces
- Adjustable rotating carrying handle
 - Easy to use in any position
 - Simplifies cutting at various angles
 - For easy positioning in confined spaces

Standard supplied with ↓

- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- Carrying / storage case SMC 4006 C (ST)

Special Materials Cutter ↓

model	SMC 4006 C	
art no	150.012.189	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
max. cutting opening	mm	25
max. cutting force	kN/t	193 / 19.7
weight, ready for use	kg	6.8
dimensions (LxWxH)	mm	389 x 114 x 234



Features & benefits ↓

- Compact and lightweight
 - Easy to use in very confined and difficult to reach spaces
- 8 tons capacity
 - Cuts car pedals, steering wheel spokes etc

Standard supplied with ↓

- Fixed coupler

Mini Cutter ↓

model	HMC 8 U W/Fixed Coupler	HMC 8 U With Pigtail Hose In Synthetic Case	HMC 8 U With Rotation Elbow & Pigtail Hose In Synthetic Case	HMC 8 U - 4
art no	150.012.025	150.012.026	150.012.027	150.142.070
max. working pressure	bar/Mpa 720 / 72	720 / 72	720 / 72	720 / 72
max. depth of jaw	mm 40	40	40	40
width of jaw	mm 40	40	40	40
max. cutting force	kN/t 79 / 8.1	79 / 8.1	79 / 8.1	79 / 8.1
return type	spring	spring	spring	spring
weight, ready for use	kg 3.0	3.5	3.6	10.6
dimensions (LxWxH)	mm 333 x 62 x 86	400 x 300 x 133	400 x 300 x 133	600 x 400 x 185



Features & benefits ↓

- Needs only 6 mm insertion height
 - Can create an initial opening where other tools cannot
- Lifting height 51 mm
 - Enough to continue the rescue operation with a Holmatro spreader or lifting bag
- Blades from spring steel with grooves
 - Provides extra grip
- Flexible synthetic protection cover over the blades

Standard supplied with ↓

- CORE Technology
 - Quicker (saves time)
 - Safer (more user-friendly)
 - Easier (allows more efficient use of manpower)

Accessories ↓

- Carrying / storage case (H)PW 4624 C (ST)

Power Wedge ↓

model	PW 4624 C	
art no	150.062.046	
equipped with (connector type)	CORE	
max. working pressure	bar/Mpa	720 / 72
min. insertion space	mm	6
max. lifting height	mm	51
max. spreading force	kN/t	253 / 25.8
weight, ready for use	kg	9.5
dimensions (LxWxH)	mm	672 x 255 x 186



Features & benefits



- Environmentally friendly
 - Limits leaking of dangerous liquids
- Large squeeze surface of 60 mm
 - Squeezes pipes with a maximum diameter of 60 mm
- Easy to install
 - Can be opened and closed by hand very quickly without any tools
- Prevents / limits potentially dangerous situations
 - Saves costs in case of fire or other emergency

Pipe Squeezer



model		HPS 60 AU
art no		150.182.024
max. working pressure	bar/Mpa	720 / 72
max. outside diameter pipe	mm	60
max. wall thickness pipe	mm	4
max. squeezing force	kN/t	147 / 15
return type		spring
weight, ready for use	kg	8.6
dimensions (LxWxH)	mm	420 x 216 x 155



Features & benefits ↓

- All models can be folded open in a second
 - Easy to install around cables
 - Locks automatically when closing the jaws
- With hardened cutting blade
 - For longer life span

Standard supplied with ↓

- Carrying / storage bag

Steel Cable Cutters ↓

model		HWC 16 R	HWC 25 R	HWC 32 R
art no		150.012.266	150.012.267	150.012.268
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72
max. jaw opening	mm	20	50	32
capacity Ø steel cable 6x7	mm	16	25	32
capacity Ø steel cable 6x12	mm	20	30	32
capacity Ø steel cable 6x19	mm	20	30	32
capacity Ø solid steel	mm	13	19	25
capacity Ø reinforcing steel	mm	13	19	25
capacity Ø ground cable	mm	18	50	32
capacity	kN/t	52 / 5.3	146 / 14.9	249 / 25.4
return type		spring	spring	spring
weight, ready for use	kg	2.0	8.4	8.9
dimensions (LxWxH)	mm	260 x 54 x 75	441 x 91 x 210	358 x 90 x 156



Features & benefits



- All models can be folded open in a second
 - Easy to install around cables
 - Locks automatically when closing the jaws
- With hardened cutting blade
 - For longer life span

Standard supplied with



- Carrying / storage bag

Electric Cable Cutters



model		HCC 85 R	HCC 100 R
art no		150.012.269	150.012.270
max. working pressure	bar/Mpa	720 / 72	720 / 72
max. jaw opening	mm	85	100
capacity Ø ground cable	mm	50	75
capacity Ø telephone cable	mm	85	100
capacity	kN/t	49 / 5	87 / 8.9
return type		spring	spring
weight, ready for use	kg	6.8	12.7
dimensions (LxWxH)	mm	501 x 77 x 245	545 x 86 x 263



Features & benefits



- Lightweight and compact
 - Can be brought in position very quickly
- Safe
 - It is possible to operate the jack from a safe distance
 - When using the toe, the jack can be placed next to the object instead of underneath
- The jack can also be operated with a special low output duo pump
 - Controlled lowering
 - Operation of 2 jacks at the same time
- With a low insertion height and a range of adapters (also custom made) the jack is suitable for a wide variety of trams and other objects
- Steel wearing plates mounted on foot and toe
- 360° rotating hose connection for optimal ease of working

Toe Jack



model		TJ 3610
art no		150.012.049
max. working pressure	bar/Mpa	720 / 72
closed height	mm	448
max. lifting height	mm	250
min. insertion height toe	mm	56
max. lifting capacity on saddle	kN/t	118 / 12
max. lifting capacity on toe	kN/t	98 / 10
weight, ready for use	kg	20.5
dimensions (LxWxH)	mm	245 x 160 x 448



Features & benefits ↓

- Made of aluminium alloy
 - More than 50% lighter than steel
- Compact
 - Easy to install in small spaces
- Two large handles
 - Easy to bring in position, even in confined spaces
- Jack with tilting saddle
 - Adapt themselves to loads at an angle of 5° maximum
- Working as a team
 - The larger model fits in the opening created by the smaller model
- Cylinder and stop ring anodised
 - Corrosion proof
- Carrying handles also protect couplers and valves
- Return of the plunger by 6 bar air pressure in the jack
 - Easy to fill with an air pump

Standard supplied with ↓

- Tilting saddle

Accessories ↓

- Recommended: Hand-operated air pump HAP 10

Aluminium Jacks ↓

model		HLJ 50 A 6	HLJ 50 A 10
art no		150.112.060	150.112.059
max. working pressure	bar/Mpa	720 / 72	720 / 72
closed height	mm	150	196
lifting stroke	mm	61	104
max. lifting capacity	kN/t	510 / 52	510 / 52
return type		air	air
weight, ready for use	kg	7.0	8.7
dimensions (LxWxH)	mm	279 x 214 x 150	279 x 214 x 196



Features & benefits ↓

- Versatile
 - For lifting, pushing and spreading

Standard supplied with ↓

- 1 x Multi Purpose cylinder HGC 10 S 5
- 1 x Multi Purpose cylinder HGC 10 S 15
- 1 x Hydraulic wedge HW1000
- 1 x Extension tube 125 HGC 10 / HCJ 10
- 1 x Extension tube 250 HGC 10 / HCJ 10
- 1 x Extension tube 500 HGC 10 / HCJ 10
- 1 x Extension tube 750 HGC 10 / HCJ 10
- 1 x Hand pump PA 04 H 2 S 30
- 2 x Round base plate HGC 10 / HCJ 10
- 2 x Connection socket
- 2 x Connection nipple
- 2 x Round base plate
- 2 x Cross head
- 1 x Wedge head
- 1 x Cylinder toe
- 1 x Plunger toe
- 2 x Plunger adapter
- 2 x Cylinder body adapter
- 1 x Carrying / storage case

Additional information ↓

ATTENTION: Consult the user manual before fitting cylinder accessories to these cylinders. The maximum working pressure and total construction length is restricted when using cylinder accessories!

Set components

page


111

Multi Purpose Cylinder Set ↓

model	HRK 10 M
art no	150.062.216
weight, ready for use	kg 44.2

Set components



image	description	model	art no
	Carrying storage box of hydraulic jack set HIK 10 M / HRK 10 M	-	150.581.001
	Hydraulic wedge, used in Multi Purpose Cylinder set HRK 10 M.	HW 1000	150.562.012
	Hydraulic cylinder for lifting or pushing heavy loads, used in Multi Purpose Cylinder set HRK 10 M. Single-acting with spring return.	-	150.062.217
	Single hose, 2 m, dual version.	B 2 SOU	150.572.035
	Plunger Adapter <ul style="list-style-type: none"> • Suitable for HGC 10 cylinders • Thread size: 1¼" NPT male - 1"-8 UNC male • Max. working pressure: 360 bar 	HGC 10	100.002.964
	Cross head <ul style="list-style-type: none"> • To provide better grip • Suitable for HGC 10 and HCJ 10 cylinders • Thread size: 1¼" NPT female • Max. working pressure: 360 bar 	HGC 10 / HCJ 10	100.002.966
	Wedge head <ul style="list-style-type: none"> • For spreading • Suitable for HGC 10 and HCJ 10 cylinders • Thread size: 1¼" NPT female • Max. working pressure: 360 bar 	HGC 10 / HCJ 10	100.002.968
	Cylinder body adapter <ul style="list-style-type: none"> • Suitable for HGC 10 cylinders • Thread size: 1¼" NPT female • Max. working pressure: 360 bar • Standard supplied with 2x bolt M8x16 	HGC 10	100.002.969



Set components



image	description	model	art no
	<p>Round base plate</p> <ul style="list-style-type: none"> To mount on bottom side of cylinder Suitable for HGC 10 and HCJ 10 cylinders Thread size: 1¼" NPT female Max. working pressure: 360 bar 	HGC 10 / HCJ 10	100.002.978
	<p>Connection socket</p> <ul style="list-style-type: none"> To connect 2 extension tubes Suitable for HGC 10 and HCJ 10 cylinders Thread size: 1¼" NPT female (2x) Max. working pressure: 360 bar 	HGC 10 / HCJ 10	100.002.980
	<p>Connection nipple</p> <ul style="list-style-type: none"> To connect accessories to cylinders Suitable for HGC 10 and HCJ 10 cylinders Thread size: 1¼" NPT male (2x) Max. working pressure: 360 bar 	HGC 10 / HCJ 10	100.002.982
	<p>Extension tube</p> <ul style="list-style-type: none"> Suitable for HGC 10 and HCJ 10 cylinders Length: 125 mm Thread size: 1¼" NPT male (2x) Max. working pressure: 360 bar 	125 - HGC 10 / HCJ 10	100.002.984
	<p>Extension tube</p> <ul style="list-style-type: none"> Suitable for HGC 10 and HCJ 10 cylinders Length: 250 mm Thread size: 1¼" NPT male (2x) Max. working pressure: 360 bar 	250 - HGC 10 / HCJ 10	100.002.985
	<p>Extension tube</p> <ul style="list-style-type: none"> Suitable for HGC 10 and HCJ 10 cylinders Length: 500 mm Thread size: 1¼" NPT male (2x) Max. working pressure: 360 bar 	500 - HGC 10 / HCJ 10	100.002.987
	<p>Extension tube</p> <ul style="list-style-type: none"> Suitable for HGC 10 and HCJ 10 cylinders Length: 750 mm Thread size: 1¼" NPT male (2x) Max. working pressure: 360 bar 	750 - HGC 10 / HCJ 10	100.002.989
	<p>Plunger toe</p> <ul style="list-style-type: none"> Suitable for HGC 10 and HCJ 10 cylinders Thread size: 1¼" NPT female Max. working pressure: 144 bar 	HGC 10 / HCJ 10	100.002.991

Set components



image	description	model	art no
	<p>Cylinder toe</p> <ul style="list-style-type: none"> • Suitable for HGC 10 cylinders • Thread size: 2¼"-14 UNS female • Max. working pressure: 144 bar 	HGC 10	100.002.992
	<p>Compact and lightweight hand pump for single-acting tools.</p>	PA 04 H 2 S	150.142.046



Features & benefits ↓

- Rim adapter set, to lift a rear wheel of heavy vehicle with a 16 tons ram
- Safe
 - Lifts the rear wheel in a stable way
 - The rescue worker does not have to go underneath the vehicle
 - Pushes the steering column away in a controlled way
- Versatile
 - Steering columns of trucks can also be pushed away in a controlled manner
- Lifting operation can be controlled precisely with the deadmans handle of the ram
 - Safe for operator and victim

Standard supplied with ↓

- 1 x carrying / storage case
- 1 x tilting saddle
- 1 x adapter for rim and steering column
- 1 x support plate
- 2 x tensioning belts

Rim Adapter Set ↓

model	
art no	150.182.580
weight, incl. case	kg 12.4



Safetypen



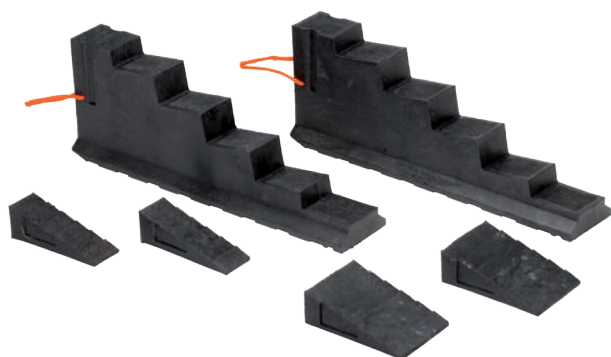
model	
art no	350.182.088
weight, ready for use	kg 0.065
dimensions (LxWxH)	mm 113 x 32 x 23



Glass Master



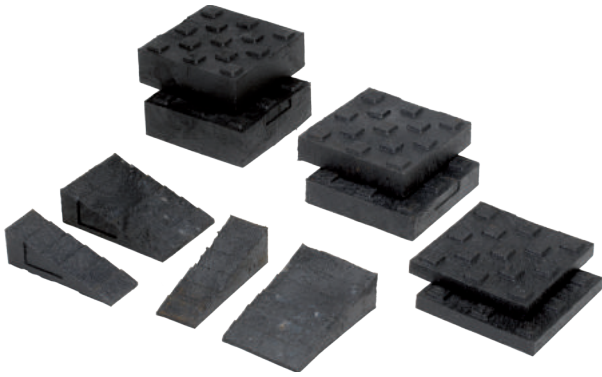
model	
art no	150.182.060
weight, ready for use	kg 1.0
dimensions (LxWxH)	mm 420 x 245 x 35



Chocks & Blocks Set A



model	Set A
art no	150.562.010
weight, ready for use	kg 15.6



Chocks & Blocks Set B



model	Set B	
art no	150.562.004	
weight, ready for use	kg	15.0



Features & benefits ↓

- Quick and easy to install
 - Within seconds
 - Simply put cover on steering wheel and tighten by evenly pulling the straps
- Also covers part of the steering column
 - Minimizes escape of gas and parts
- Aramid reinforced fabric
 - Strong but flexible (for easy installation)
- One size fits all
 - Suitable for use on the steering wheels of cars, vans, buses and trucks (Ø 35-51 cm / 14-20 inch)
 - Saves time: No need to choose the right size first

Standard supplied with ↓

- Synthetic case
- Mounting bracket

Secunet III ↓

model	Secunet III	
art no	350.182.089	
material	woven aramid fiber	
application	Car-bus-van-truck	
weight, ready for use	kg	0.8
for steering wheel diameter	mm	350 - 510
dimensions (LxWxH)	mm	268 x 175 x 85



Features & benefits



- Versatile
 - Various tools to prepare your rescue operation
- Sturdy bag with adjustable waist and thigh straps
 - Bag made of high-quality, rugged, light weight and flexible material; that is fire-resistant and water-repellent
 - Flap with velcro fastening
 - Flap can be fold down and stays open

Standard supplied with



- Tyre Deflator
- Seatbelt Cutter
- Trim Removal tools (hook and fork tool)
- Window Punch
- Flexible Steel Rule
- Marker Pen
- Mini LED Torch
- Multi-cutter
- Waist and thigh strap

Rescue Support Bag



model		
art no		150.182.155
weight, ready for use	kg	1.5
dimensions (LxWxH)	mm	185 x 165 x 100



Features & benefits ↓

- Made of durable PVC-coated polyester fabric
 - Durable and flexible
 - Does not absorb dirt and therefore easy to clean
 - Water-repellent
 - Folded back also suitable to keep tools dry in rainy weather
- Foldable material
 - Easy to carry
 - Easy to store
- Bright orange colour
 - Clearly marks the spot where all tools are assembled

Standard supplied with ↓

- Carrying / storage bag

Tool Stations ↓

	2000 x 1500 mm	2500 x 2000 mm
model		
art no	150.182.043	150.182.044
weight, ready for use	kg 2.3	3.7



Features & benefits ↓

- Lightweight
- Wear-resistant, fire-retardant polyester
 - Longer life span
- Water-repellent
 - Other materials such as Kevlar absorb water, become heavy and unmanageable when wet and require long drying time
- Fitted with extremely powerful magnets
 - Instant attachment to the vehicle in any climate or position
- Fluorescent
 - Clearly distinguishable in the dark so that the dangerous areas are clearly marked
- Protective covers with velcro
 - Remain in position under any circumstances
- Washable
- Wool lining
 - Extra protection

Standard supplied with ↓

- 2 x covers 260 x 300 mm
- 2 x covers 600 x 600 mm
- 1 x cover 1500 x 600 mm

Additional information ↓

Also available SEP 10, which contains

- 4 x covers 260 x 300 mm
- 4 x covers 600 x 600 mm
- 2 x covers 1500 x 600 mm

Sharp Edge Protection Covers ↓

model	SEP 5	SEP 10
art no	150.581.676	150.581.677
color	orange	orange



Features & benefits



- Unique auto-lock system
 - Pulls out and locks automatically in one movement
 - Locking holes over the full strut length at very small intervals
 - Enables fine length adjustment for accurate positioning of the strut
- Squeeze and push mechanism
 - To release the strut quickly and easily after use
- Extremely lightweight
 - Easy to carry
 - Easy to work with
- High shoring capacity
 - Up to 16 kN shoring load
 - Enough to stabilize any type of car
- Serrated, multi-purpose head
 - For optimal grip on all types of vehicles
- Snap hook
 - For fast and easy detachment and reattachment
- Tensioning belt
 - Tensioning belt with hook and ratchet mechanism
 - For quick and easy attachment to the car
 - Enables the rapid creation of a stable triangle
- Heat resistant cover
 - Sideable, heat-resistant protection cover around tensioning belt
 - Protects the belt against hot exhausts

Accessories



- Carrying / storage bag
- Sheet metal knife
- PowerShore base support plate

Vehicle Stabilization Strut



model		
art no		150.062.158
min. effective length	mm	1080
max. effective length	mm	1800
max. axial load	kN/t	16 / 1.6
weight, ready for use	kg	7.9
dimensions (LxWxH)	mm	1080 x 149 x 210



CE-icons; optimal safety for the user

Features & benefits ↓

- Made of aramid reinforced nitril rubber NBR
 - No corrosion
 - Durable
- Reinforced with 3 aramide inlays
 - Lightweight
 - Highly flexible
 - Proven durability
- Revolutionary non-slip design
 - Maximum grip on all surfaces
 - Interlocking when 2 bags are placed on top of each other
- Unique lower profile edges; easy insertion under all circumstances
- CE-icons; optimal safety for the user
- Light reflecting labels on top side; better visibility in dark environment which improves safety and user friendliness
- Centring cross on both sides; easy and safe positioning

Standard supplied with ↓

- “Auto-lock” couplers; quick connection with automatic double locking system
- Carrying straps on HLB 40 and HLB 67

Available on request ↓

- Lifting capacity / height diagrams per model

Accessories	page	124
Air Control Sets	page	126

High Pressure Lifting Bags ↓

model	HLB 1	HLB 3	HLB 5	HLB 10	HLB 12	HLB 18
art no	350.321.003	350.321.004	350.321.006	350.321.007	350.321.008	350.321.009
max. working pressure	bar/Mpa 8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8
max. inflation height	mm 80	130	150	215	225	240
thickness incl. profile	mm 22	22	22	25	25	25
max. lifting capacity	kN/t 10 / 1	35 / 3.6	50 / 5.1	100 / 10.2	120 / 12.2	180 / 18.4
weight, ready for use	kg 0.6	1.5	2.0	3.8	5.0	6.8
dimensions (LxW)	mm 150 x 150	228 x 228	270 x 270	380 x 380	408 x 408	660 x 360



CE-icons; optimal safety for the user

Features & benefits ↓

- Made of aramid reinforced nitril rubber NBR
 - No corrosion
 - Durable
- Reinforced with 3 aramide inlays
 - Lightweight
 - Highly flexible
 - Proven durability
- Revolutionary non-slip design
 - Maximum grip on all surfaces
 - Interlocking when 2 bags are placed on top of each other
- Unique lower profile edges; easy insertion under all circumstances
- CE-icons; optimal safety for the user
- Light reflecting labels on top side; better visibility in dark environment which improves safety and user friendliness
- Centring cross on both sides; easy and safe positioning

Standard supplied with ↓

- “Auto-lock” couplers; quick connection with automatic double locking system
- Carrying straps on HLB 40 and HLB 67

Available on request ↓

- Lifting capacity / height diagrams per model




Accessories	page	124
Air Control Sets	page	126

High Pressure Lifting Bags ↓

model	HLB 20	HLB 24	HLB 29	HLB 32	HLB 40	HLB 67
art no	350.321.010	350.321.012	350.321.017	350.321.013	350.321.014	350.321.015
max. working pressure	bar/Mpa 8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8
max. inflation height	mm 290	215	348	380	405	520
thickness incl. profile	mm 25	25	25	25	25	25
max. lifting capacity	kN/t 200 / 20.4	240 / 24.5	300 / 30.6	320 / 32.6	400 / 40.8	670 / 68.3
weight, ready for use	kg 6.7	9.5	9.8	13.0	15.1	23.5
dimensions (LxW)	mm 508 x 508	1000 x 310	611 x 611	658 x 658	714 x 714	903 x 903








Accessories



image	description	model	art no
	Air bottle, 300 bar, 6 litres • For use with all air operated tools and pumps	-	350.581.096
	Air hose 5 m, colour yellow.	AH 5 YU	350.572.006
	Air hose 5 m, colour blue.	AH 5 BU	350.572.007
	Air hose 5 m, colour red.	AH 5 RU	350.572.008
	Air hose 10 m, colour yellow.	AH 10 YU	350.572.009
	Air hose 10 m, colour blue.	AH 10 BU	350.572.011
	Air hose 10 m, colour red.	AH 10 RU	350.572.012
	Connection piece • For connection of 2 air bottles 300 bar	-	350.582.430









Accessories



image	description	model	art no
	<p>Connection piece</p> <ul style="list-style-type: none"> • For connection of 2 air bottles 200 bar 	-	350.582.420
	<p>Synthetic control box</p> <ul style="list-style-type: none"> • For operation of 2 lifting bags • Safety valves set at 8.5 bar 	HDC 10 AU	350.182.003
	<p>Single control unit</p> <ul style="list-style-type: none"> • For the control of 1 high-pressure lifting bag • Safety valves set at 8.5 bars 	SCV 10 U	350.582.042
	<p>Double control unit</p> <ul style="list-style-type: none"> • For the control of 2 high-pressure lifting bags • Safety valves set at 8.5 bars 	DCV 10 U	350.582.034
	<p>Pressure reducer</p> <ul style="list-style-type: none"> • For both 200 and 300 air bottles • Complete with hose 2 m 	PRV 823 AU	350.182.002
	<p>Shut-off hose with safety</p> <ul style="list-style-type: none"> • To close high-pressure lifting bags while remaining under pressure in order to use hose and air source elsewhere 	Shut-Off Hose With Safety	350.582.035
	<p>Adapter set</p> <ul style="list-style-type: none"> • Synthetic carrying/storage case with various adapters for connection high-pressure lifting bags on various air sources 	UAS 10	350.582.050






Air Control Sets



image	description	model	art no
	<p>Air control set</p> <ul style="list-style-type: none"> • Synthetic orange carrying/storage case with control box, hoses, shut-off hose, pressure reducer and connection piece for air bottles 300 bar 	HCS 10 U_300	350.582.038
	<p>Air control set</p> <ul style="list-style-type: none"> • Synthetic orange carrying/storage case with control unit, hoses, shut-off hose, pressure reducer and connection piece for air bottles 300 bar 	DCS 10 U_300	350.582.039
	<p>Air control set</p> <ul style="list-style-type: none"> • Synthetic orange carrying/storage case with control box, hoses, shut-off hose, pressure reducer and connection piece for air bottles 200 bar 	HCS 10 U_200	350.582.435
	<p>Air control set</p> <ul style="list-style-type: none"> • Synthetic orange carrying/storage case with control unit, hoses, shut-off hose, pressure reducer and connection piece for air bottles 200 bar 	DCS 10 U_200	350.582.436
	<p>Synthetic control box</p> <ul style="list-style-type: none"> • For operation of 2 lifting bags • Safety valves set at 0,85 MPa 	HDC 10 AJU	350.182.004
	Control unit with quick couplers, to operate 2 high pressure lifting bags.	DVC 10 U	350.582.057
	Single control unit with quick coupler, to operate 1 high pressure lifting bag.	-	350.582.056
	Double control unit with auto-lock couplers, to operate 2 high pressure lifting bags.	-	350.582.053

Air Control Sets



image	description	model	art no
	With autolock coupler, to operate 1 high pressure lifting bag.	-	350.582.054
	Air connection for connection to an air valve.	-	350.582.402
	Air connection for connection to a petrol station connection.	-	350.582.403
	Hand-operated air pump.	HAC 16 U	350.542.003
	Synthetic orange carrying / storage case. Size 600 x 400 x 184 mm.	-	150.581.078



Features & benefits ↓

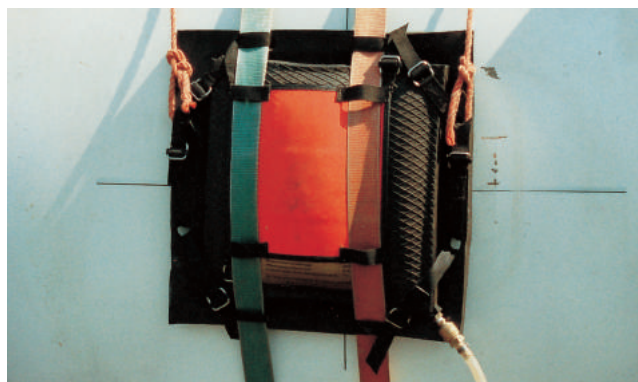
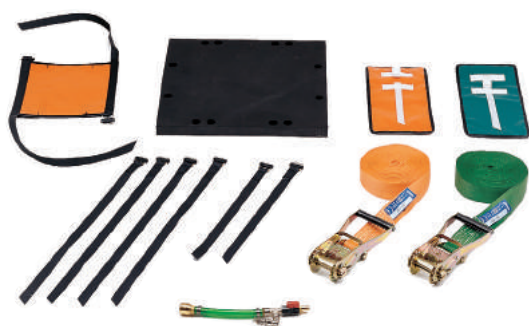
- Special top and bottom surface
 - Reinforced and wear resistant
 - Non-slip
- Large inflated height of 580 mm
 - Enough lifting height to rescue every victim
- Closed height only 60 mm
 - Fits even very small gaps
- Highly resistant to chemicals

Standard supplied with ↓

- Low pressure lifting bag
- Carrying bag
- Low pressure connection hose (2 x) AL 5 U
- Control box LDC 0.5 AU
- Pressure reducer PRV 823 AU

Low Pressure Lifting Bags ↓

model	LAB 4 UN	LAB 6 UN	LAB 9 UN	LAB 16 UN
art no	350.512.204	350.512.206	350.512.209	350.512.216
max. working pressure	bar/Mpa 0.5 / 0.1	0.5 / 0.1	0.5 / 0.1	0.5 / 0.1
max. inflation height	mm 580	580	580	580
max. lifting capacity (a pair)	kN/t 35.3 / 3.6	56.9 / 5.8	80.4 / 8.2	143.2 / 14.6
material	reinforced neoprane	reinforced neoprane	reinforced neoprane	reinforced neoprane
length (in storage bag)	mm 600	750	900	1200
width (in storage bag)	mm 600	750	900	1200
height deflated	mm 60	60	60	60
weight (per pair)	kg 27.0	34.0	41.0	65.0



Features & benefits ↓

- Unique construction
 - Flexible
 - High chemical resistance
 - Quick and safe to install

Standard supplied with ↓

- 1 x harness
- 1 x sealing plate 465 x 465 mm
- 1 x protective cover, orange
- 1 x protective cover, green
- 4 x corner belt with buckle, length 635 mm
- 2 x carrying belt with buckle, length 455 mm
- 1 x shut-off hose, safety valve set at 1.5 bar
- 1 x stretch belt with ratchet, orange, length 10 m
- 2 x stretch belt with ratchet, green, length 10 m

Accessories ↓

- Recommended: High pressure lifting bag HLB 10

Tank Sealing System ↓

model	HLS 2	
art no	350.582.020	
max. working pressure	bar/Mpa	1.5 / 0.1
weight, ready for use	kg	12.8



Features & benefits ↓

- Rapid leak sealing
 - Reduces risk of fire or explosions
 - Prevents or limits environmental damage
- Emergency drainage system
 - After sealing fluid can be stored in other container
- Special rubber compound
 - High chemical resistance
- Stainless steel pressure gauge
 - No rust

Standard supplied with ↓

- Vacuum sealing plate
- Stainless steel pressure gauge with protection cap
- Vacuum pump with air hoses, length 3 m
- Drain cock with drain hose, length 3 m
- Tube gel for optimal sealing
- Steel carrying / storage case

Leak Sealing System ↓

model		HVSP 250 U
art no		360.302.011
max. working pressure	bar/Mpa	6 / 0.6
air consumption	l/min	300
weight, ready for use	kg	5.3
length sealing pad	mm	600
width sealing pad	mm	390
thickness pad	mm	35
length sealing compartment	mm	250
width sealing compartment	mm	50



Features & benefits



- Powerful
 - With integrated 10 tons hydraulic lifting cylinder
- Unique automatic snap-lock system
 - All accessories can be connected within a second
- Lightweight
 - Easy to carry, also to difficult to reach areas
 - Quick and easy to assemble and very quick to position
- Safe
 - Load is secured by locking system
- Smooth edges
 - No protruding parts
 - Smooth edges will not catch your clothes
- For support under every angle
 - Patented shoring system
- Numerous fields of application
 - Vehicle extrication
 - Industrial accidents
 - Urban search and rescue
 - Trench rescue
 - Naval damage control
- Versatile
 - Shoring at various angles possible

PowerShore - Extension Pipes	page	134
PowerShore - Accessories	page	135
PowerShore - Sets	page	140

PowerShore - Hydraulic Struts



model		HS 1 Q 5 FL	HS 1 Q 10 FL	HS 1 L 5+	HS 1 L 10+
art no		150.011.547	150.011.536	150.011.543	150.011.537
locking system		auto-lock	auto-lock	locknut	locknut
strut type		hydraulic	hydraulic	hydraulic	hydraulic
max. working pressure	bar/Mpa	720 / 72	720 / 72	720 / 72	720 / 72
stroke	mm	252	252	252	252
retracted length	mm	632	1092	575	1035
force at working pressure	kN/t	100 / 10.2	100 / 10.2	100 / 10.2	100 / 10.2
weight, ready for use	kg	10.3	13.0	9.2	11.9



Features & benefits



- Unique automatic snap-lock system
 - All accessories can be connected within a second
- Lightweight
 - Easy to carry, also to difficult to reach areas
 - Quick and easy to assemble and very quick to position
- Safe
 - Load is secured by locking system
- Smooth edges
 - No protruding parts
 - Smooth edges will not catch your clothes
- For support under every angle
 - Patented shoring system
- Numerous fields of application
 - Vehicle extrication
 - Industrial accidents
 - Urban search and rescue
 - Trench rescue
 - Naval damage control
- Versatile
 - Shoring at various angles possible

PowerShore - Extension Pipes

page 134

PowerShore - Accessories

page 135

PowerShore - Sets

page 140

PowerShore - Pneumatic Struts



model		AS 3 Q 5 FL	AS 3 Q 10 FL	AS 3 L 5+	AS 3 L 10+
art no		150.011.546	150.011.545	150.011.532	150.011.531
locking system		auto-lock	auto-lock	locknut	locknut
strut type		pneumatic	pneumatic	pneumatic	pneumatic
max. working pressure	bar/Mpa	8 / 0.8	8 / 0.8	8 / 0.8	8 / 0.8
stroke	mm	252	252	252	252
retracted length	mm	632	1092	575	1035
force at working pressure	kN/t	4 / 0.4	4 / 0.4	4 / 0.4	4 / 0.4
weight, ready for use	kg	8.4	11.2	7.3	10.1



Features & benefits



- Unique automatic snap-lock system
 - All accessories can be connected within a second
- Lightweight
 - Easy to carry, also to difficult to reach areas
 - Quick and easy to assemble and very quick to position
- Safe
 - Load is secured by a threaded locking system
- Smooth edges
 - No protruding parts
 - Smooth edges will not catch your clothes
- For support under every angle
 - Patented shoring system
- Numerous fields of application
 - Vehicle extrication
 - Industrial accidents
 - Urban search and rescue
 - Trench rescue
 - Naval damage control
- Versatile
 - Shoring at various angles possible

Accessories



- Adjustable hook wrench, to create a pre-load with the mechanical strut MS 2 L 2+. Two pieces are advised.

PowerShore - Extension Pipes	page	134
PowerShore - Accessories	page	135
PowerShore - Sets	page	140


PowerShore - Mechanical Struts



model		MS 2 L 2+	MS 2 L 5+
art no		150.011.538	150.011.533
locking system		thread	thread
strut type		mechanical	mechanical
stroke	mm	127	250
retracted length	mm	250	575
weight, ready for use	kg	3.5	6.7










PowerShore - Extension Pipes



image	description	model	art no
	Extension pipe SX 1 to customize the length of the shore you need to create. Extension 125 mm.	SX 1	150.011.501
	Extension pipe SX 2, to customize the length of the shore you need to create. Extension 250 mm.	SX 2	150.011.502
	Extension pipe SX 5 to customize the length of the shore you need to create. Extension 500 mm.	SX 5	150.011.503
	Extension pipe SX 10, to customize the length of the shore you need to create. Extension 1000 mm.	SX 10	150.011.504
	Extension pipe SX 15, to customize the length of the shore you need to create. Extension 1500 mm.	SX 15	150.011.506



Reflective white colour coding

PowerShore - Accessories 			
image	description	model	art no
	Compact and lightweight hand pump with pressure gauge with bar scale for hydraulic PowerShore system.	PA 09 H 2 S 10	150.142.066
	Compact and lightweight hand pump with pressure gauge with Mpa scale for hydraulic PowerShore system.	PA 09 H 2 S 11	150.142.067
	Single control unit <ul style="list-style-type: none"> • For the control of 1 high-pressure lifting bag • Safety valves set at 8.5 bars 	SCV 10 U	350.582.042
	Double control unit <ul style="list-style-type: none"> • For the control of 2 high-pressure lifting bags • Safety valves set at 8.5 bars 	DCV 10 U	350.582.034
	Air bottle, 300 bar, 6 litres <ul style="list-style-type: none"> • For use with all air operated tools and pumps 	-	350.581.096
	Pressure reducer <ul style="list-style-type: none"> • For both 200 and 300 air bottles • Complete with hose 2 m 	PRV 823 AU	350.182.002
	Air hose 5 m, colour yellow.	AH 5 YU	350.572.006
	Air hose 5 m, colour blue.	AH 5 BU	350.572.007

PowerShore - Accessories











image	description	model	art no
	Air hose 10 m, colour yellow.	AH 10 YU	350.572.009
	Air hose 10 m, colour blue.	AH 10 BU	350.572.011
	PowerShore flat head - aluminium, for support against a flat surface; ø 89 mm.	-	150.011.509
	PowerShore connector FX 1, to connect the male end of an extension with one of the heads for making a fixed shore without the use of a strut.	FX 1	150.011.505
	PowerShore flat head with nailing plate - aluminium. For support against a flat surface; with nailing holes.	-	150.011.541
	PowerShore tilting head - aluminium for support on uneven or tilting surfaces. Max. angle 45 degrees in all directions.	-	150.182.038
	PowerShore tilting head with nailing plate - aluminium. For support on uneven or tilting surfaces; with nailing holes. Max. angle 45 degrees in all directions.	-	150.182.048
	PowerShore beam support head for use with beams up to 150 mm; with nailing holes.	150 mm	150.011.513

PowerShore - Accessories





image	description	model	art no
	PowerShore beam support head, for use with beams up to 100 mm; with nailing holes.	100 mm	150.011.514
	PowerShore L-support head for use with wide beams; with nailing holes.	-	150.011.520
	PowerShore swivel head - aluminium. Can be placed in almost any position and against each other for mutual support.	-	150.182.046
	PowerShore V-block head, small - aluminium for support of pipes; \varnothing 89 mm.	-	150.011.516
	PowerShore V-block head, large - aluminium for support of pipes.	-	150.011.522
	PowerShore cone head for support on concrete or steel surfaces; \varnothing 89 mm.	-	150.011.517
	PowerShore cross head, for use on many kinds of surfaces.	-	150.011.523
	PowerShore pointed head for use in e.g. narrow gaps; \varnothing 89 mm.	-	150.011.524

PowerShore - Accessories


image	description	model	art no
	PowerShore base support plate, can support 3 swivel heads and is suitable for the use of up to 3 tensioning belts to create a stable triangle.	-	150.011.519
	PowerShore trench support plate - zinc plated steel. Can be nailed to wooden plates to support 2 swivel heads in e.g. a trench.	-	150.011.549
	PowerShore tensioning belt to secure the base plate during an application.	-	390.511.073
	PowerShore adjustable hook wrench to create a pre-load with the mechanical strut MS 2 L 2+. Two pieces are advised.	-	150.581.689
	PowerShore rope with carabine hook to lower struts, e.g. into a trench. Ropes can be wrapped around both ends of a strut and locked with the carabine hook.	-	150.011.548
	PowerShore anti-roll block prevents struts and extensions from rolling on uneven surfaces and protects against dirt and damage.	-	150.113.057
	PowerShore carrying / storage bag for accessories.	-	150.011.005
	PowerShore carrying / storage bag for struts and extensions.	-	150.011.006

PowerShore - Accessories








image	description	model	art no
	2-way block to support 2 tilting heads.	-	150.062.074
	PowerShore 3-way swivel head, contains 3 integrated swivel heads for use with up to 3 shoring lines in various directions.	-	150.062.075



PowerShore - Sets






image	description	model	art no
	<p>Basic mechanical shoring set PSM 1, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * Stabilization of vehicle on its side / single shore system - Collapsed structure rescue (USAR) * 1 x spot shores / single shore system (max. length 2252 mm) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSM 1	150.062.097
	<p>Advanced mechanical shoring set PSM 2, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * Stabilization of vehicle on its roof / double shore system (mechanical stroke 127 mm) * Stabilization in 'light vehicle under heavy vehicle' scenarios / double shore system (mechanical stroke 127 mm) - Collapsed structure rescue (USAR) * 2x "Spot" shores / single shore system (combined length 4504 mm) * 1 x door or window shore / double shore system (max. height 2252 mm) * 1 x follow-up shoring of lifted loads / double shore system (mechanical stroke 127 mm) - Trench collapse rescue * Creation of 1 safe zone in a shallow trench <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSM 2	150.062.098
	<p>Basic Hydraulic Shoring Set PSH 1, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 1x controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) * Stabilization in 'light vehicle under heavy vehicle' scenarios with controlled lifting / double shore system (hydraulic lifting stroke 252 mm) - Collapsed structure rescue (USAR) * Combination shoring and lifting / double shore system (hydraulic lifting stroke 252 mm) - Trench collapse rescue * Creation of 1 safe zone in shallow trenches (with remote shoring) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSH 1	150.062.099
	<p>Advanced Hydraulic Shoring Set PSH 2, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 4 x Stabilization of vehicle on its side / single shore system or * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) - Collapsed structure rescue (USAR) * 4 x "Spot" shores / single shore system (combined length 6248 mm) or * 2 x Door or window shores / double shore system (combined height 3124 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring can be used in 1 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSH 2	150.062.100
	<p>Heavy Duty Set Hydraulic Shoring PSH 3, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 4 x Stabilization of vehicle on its side / single shore system or * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting Auto-lock stroke 252 mm) - Collapsed structure rescue (USAR) * 4 x "Spot" shores / single shore system (combined length 9998 mm) or * 2 x Door or window shores / double shore system (combined height 4999 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring can be used in 2 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSH 3	150.062.101

PowerShore - Sets










image	description	model	art no
	<p>Basic Pneumatic Shoring Set PSP 1, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 4 x Stabilization of vehicle on its side / single shore system or * 1 x Stabilization of vehicle on its roof / double shore system (mechanical stroke 127 mm) * 1 x Stabilization of vehicle on its roof / double shore system (pneumatic Auto-lock stroke 252 mm) - Collapsed structure rescue (USAR) * 2 x "Spot" shores / single shore system (combined length 4504 mm) or * 1 x Door or window shore / double shore system (max. height 2252 mm) - Trench collapse rescue * Creation of 2 safe zones in shallow trenches (remote shoring can be used in 1 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSP 1	150.062.102
	<p>Advanced Pneumatic Shoring Set PSP 2, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 4 x Stabilization of vehicle on its side / single shore system or * 1 x Stabilization of vehicle on its roof / double shore system (mechanical stroke 127 mm) * 1 x Stabilization vehicle on its roof / double shore system (pneumatic Auto-lock stroke 252 mm) * 1 x Stabilization vehicle on its roof / double shore system (pneumatic stroke 252 mm) - Collapsed structure rescue (USAR) * 4 x "Spot" shores / single shore system (combined length 9998 mm) or * 2 x Door or window shores / double shore system (combined height 4999 mm) or * 1 x Follow-up shoring of lifted loads / double shore system (mechanical stroke 127 mm) * 1 x Follow-up shoring of lifted loads / double shore system (pneumatic stroke 252 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring can be used in 1 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSP 2	150.062.103
	<p>Basic combined shoring set PSX 1, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 4 x Stabilization of vehicle on its side / single shore system or * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) - Collapsed structure rescue (USAR) * 4 x "Spot" shores / single shore system (combined length 9998 mm) or * 2 x Door or window shores / double shore system (combined height 4999 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring can be used in 2 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSX 1	150.062.104
	<p>Advanced Combined Shoring Set PSX 2, can be used for:</p> <ul style="list-style-type: none"> - Vehicle extrication rescue * 6 x Stabilization of vehicle on its side / single shore system or * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) * 1 x Controlled lifting of vehicle on its side / double shore system (hydraulic lifting Auto-lock stroke 252 mm) - Collapsed structure rescue (USAR) * 8 x "Spot" shores / single shore system (total length 19996 mm) or * 4 x Door or window shores / double shore system (total length 9998 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring can be used in 3 of the created zones) <p>For a more detailed description of all possible applications please contact your local Holmatro sales representative.</p>	PSX 2	150.062.105

PowerShore - Sets


image	description	model	art no
	Heavy Duty Combined Shoring Set PSX 3, can be used for: - Vehicle extrication rescue * 8 stabilization of vehicle on its side / 1 shore system or * 2x controlled lifting of vehicle on its side / double shore system (hydraulic lifting stroke 252 mm) * 1 x controlled lifting of vehicle on its side / double shore system (hydraulic lifting auto-lock stroke 252 mm) - Collapsed structure rescue (USAR) * 14 x "spot" shores / single shore system (total length 39992 mm) or * 7 x door or window shores / double shore system (total length 19996 mm) - Trench collapse rescue * Creation of multiple safe zones in shallow or deep trenches (remote shoring van be used in 4 of the created zones) For a more detailed description of all possible applications please contact your local Holmatro sales representative.	PSX 3	150.062.106
	Basic Trench Shoring Set PST 1, can be used for: - Trench collapse rescue * Creation of 2 safe zones in shallow trenches (remote shoring can be used in 1 of the created zones). For a more detailed description of all possible applications please contact your local Holmatro sales representative.	PST 1	150.062.107
	Advanced Set Trench Shoring PST 2, can be used for: - Trench collapse rescue * Creation of 4 safe zones in shallow or deep trenches (remote shoring can be used in 2 of the created zones). For a more detailed description of all possible applications please contact your local Holmatro sales representative.	PST 2	150.062.108




Oil/Grease

image	description	model	art no
	Teflon lubricating oil Sir John® <ul style="list-style-type: none"> • High-quality lubricant and maintenance oil • Spray can 400 ml 	-	150.581.095
	Anti-friction coating Bel Ray® <ul style="list-style-type: none"> • Dry spray coating for protection under dusty, dirty and abrasive conditions • Spray can 400 ml 	-	150.581.093
	Molykote, grease.	-	150.581.094
	Hydraulic oil ECO Power, DIN 51524.3 HVL, bottle 1 litre <ul style="list-style-type: none"> • Fully mineral oil • Optimum lubricating properties • Excellent protection against wear and corrosion • Up to 3x longer service life than the leading hydraulic oils • Standard oil for all Holmatro tools and hand pumps 	ISO VG 15 - 1L	100.581.051
	Hydraulic OIL ECO Power, DIN 512524.3 HVL, bottle of 5 litres <ul style="list-style-type: none"> • Fully mineral oil • Optimum lubricating properties • Excellent protection against wear and corrosion • Up to 3x longer service life than the leading hydraulic oils • Standard oil for all Holmatro tools and hand pumps 	ISO VG 15 - 5L	100.581.055
	Motor oil, API SJ/CH-4, bottle 0.6 litre <ul style="list-style-type: none"> • Very good detergent and dispersant • Optimum protection against wear, corrosion and foam • High and stable viscosity • Low sulphate ash content 	10 W 30	150.581.103
	Copper grease for maintenance of moving parts.	-	150.581.083
	White grease, for greasing parts of control handle.	-	150.581.413

Oil/Grease



image	description	model	art no
	Copper grease, to mount steel bolts in aluminium parts.	-	150.581.412

Testing Equipment



image	description	model	art no
	Plug-in type pressure gauge set CORE to check pressure and flow.	-	150.000.660
	Plug-in type pressure gauge set for dual hoses.	-	150.582.410
	Digital test set PFM 1 C, to check pressure and flow, CORE.	PFM 1 C	150.000.815
	Digital test set PFM 1, to check pressure and flow, dual hoses.	PFM 1	150.152.312
	Rounds per minute counter, with cable for counting round per minute of an engine.	-	150.182.069
	Set of spray cans for hair crack investigation.	-	150.582.547

