

# RESCUE TOOLS





# YOU CAN COUNT ON US, FOR LIFE

For over half a century, Holmatro has been developing the most innovative and powerful hydraulic equipment for rescuers worldwide. This catalog includes an important selection of our product range. For more tools and more information, please visit [www.holmatro.com](http://www.holmatro.com).

## TABLE OF CONTENTS

|                      |    |
|----------------------|----|
| The Choice is yours  | 4  |
| CORE Technology      | 5  |
| EVO 3 Technology     | 6  |
| EVO 3 Design         | 8  |
| Inclined Cutting     | 10 |
| Holmatro NCT Cutters | 12 |

### CUTTERS

|                                    |    |
|------------------------------------|----|
| Cordless NCT cutters - Inclined    | 14 |
| Cordless NCT cutters - Traditional | 15 |
| NCT cutters - Inclined             | 16 |
| NCT cutters - Traditional          | 17 |
| GP cutters - General Purpose       | 18 |
| Cutters - Accessories              | 19 |

### SPREADERS

|                                  |    |
|----------------------------------|----|
| Cordless spreaders               | 20 |
| Spreaders                        | 21 |
| Spreaders - Accessories          | 22 |
| Lighter than ever, no compromise | 23 |

### COMBI TOOLS

|                           |    |
|---------------------------|----|
| Cordless combi tools      | 24 |
| Combi tools               | 26 |
| Hand-operated combi tools | 28 |
| Combi tools - Accessories | 29 |

### RAMS

|                                  |    |
|----------------------------------|----|
| Cordless rams                    | 30 |
| Rams - telescopic / Extendo      | 31 |
| Rams - single and double plunger | 32 |
| Rams - Accessories               | 33 |

### PUMPS

|                                  |    |
|----------------------------------|----|
| Greenline battery pump SPU 16 BC | 34 |
| Motor pumps                      | 35 |
| Spider Range pumps - SR 10       | 36 |
| Spider Range pumps - SR 20       | 37 |
| Spider Range pumps - SR 31/32    | 38 |
| Spider Range pumps - SR 40/41/42 | 39 |
| Pumps - hand / foot / air        | 40 |

### HOSES & HOSE REELS

|            |    |
|------------|----|
| Hoses      | 41 |
| Hose Reels | 42 |

### MISCELLANEOUS

|                      |    |
|----------------------|----|
| Jacks & Wedges       | 43 |
| Various Rescue Tools | 44 |
| Powershore           | 46 |
| Rescue Assist Tools  | 48 |

### LIFTING BAGS / LEAK SEALING

|                      |    |
|----------------------|----|
| Lifting Bags         | 50 |
| Leak Sealing Systems | 52 |

|                            |    |
|----------------------------|----|
| Holmatro Offices & Dealers | 53 |
| A History of innovation    | 54 |

# THE CHOICE IS YOURS

Same performance, different benefits



Holmatro offers a full range of high-performance rescue tools, powered by EVO 3 battery technology or by CORE technology.

## CORE TECHNOLOGY

Safer, quicker, easier

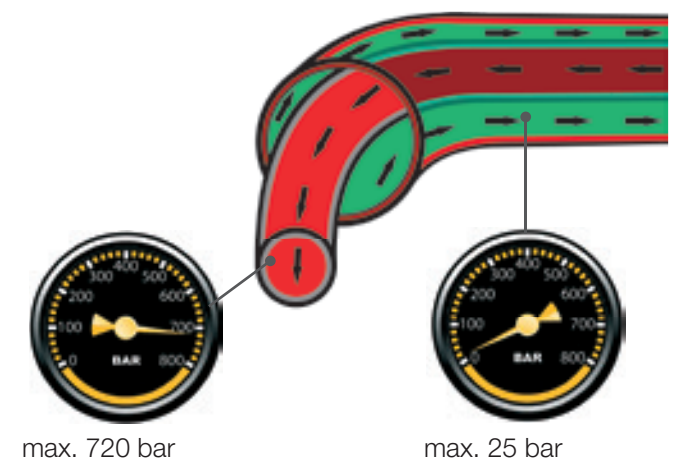


### HOLMATRO CORE TECHNOLOGY HAS MADE RESCUE PROCEDURES QUICKER, EASIER AND SAFER

Back in 2005 Holmatro introduced a revolutionary new technology that would change the world of rescue and become the new international standard. CORE stands for Coaxial Rescue Equipment and replaces the traditional rescue tool set based on two hoses with four couplers and a valve on the pump for swapping tools. CORE tools only have one hose with one coupler on each end and eliminate the need to operate a valve on the pump, as they can be changed under flow. This significantly saves precious set-up time and manpower. In addition, the CORE hose consists of a high-pressure line inside and protected by the low pressure line, which is a mayor step forward in safety. It fully eliminates the risk of hydraulic injection.

#### Main benefits

Compared to battery-powered rescue tools, CORE tools are still lighter and, with a higher-flow pump, also quicker. However, the performance of both tool types is exactly the same.

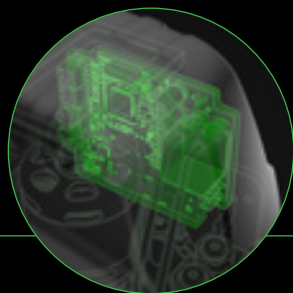


# EVO 3 TECHNOLOGY

## THE FUTURE IS CORDLESS

Our next generation battery-powered rescue tools deliver unmatched performance at a higher speed. Especially when it really counts, during challenging extrications. A quick look at the technology driving our EVO 3 tools.

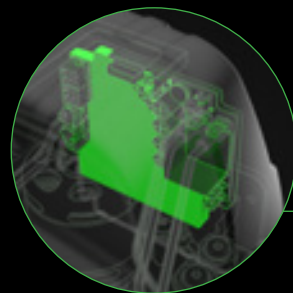
### CONSTANT HIGH SPEED



### ELECTRONIC SPEED CONTROL (ESC)

ESC keeps the rpm of the brushless motor (and thus of the hydraulic pump) at a constant maximum level, even at high tool loads or when the battery voltage drops. This results in a continuous, optimally high tool speed.

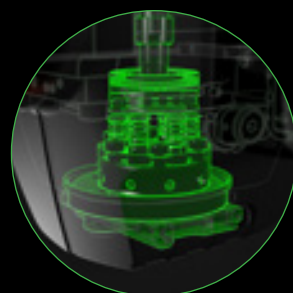
### DUST & MOISTURE PROOF



### SEALED CIRCUIT BOARD

The electronics inside the tool are cast in resin and therefore fully protected against moisture and dust. In addition, EVO 3 tools have an IP54 rating against dust and splashing water.

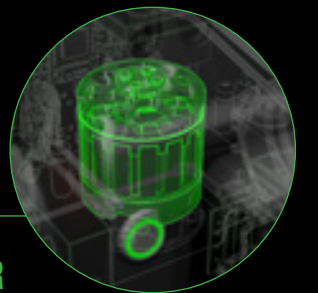
### NO ENERGY LOSS



### DIRECT-DRIVE PUMP

The motor drives the pump directly, without a gear transmission in between. This eliminates mechanical energy loss and provides more usable torque to pump hydraulic fluid.

### POWERFUL & ENERGY EFFICIENT



### BRUSHLESS MOTOR

Powerful and extremely energy efficient motor, specially built for the application. Designed for use in hot, cold and wet weather conditions.

**WATCH THE VIDEO OR  
REQUEST A DEMO ON  
[HOLMATRO.COM/EVO3](https://holmatro.com/evo3)**

# EVO 3 DESIGN

## ULTIMATE FREEDOM

Holmatro EVO 3 cordless rescue tools offer you maximum operational freedom. And not just because they are hoseless and ready to use at the touch of a button. It is their unique design that truly improves ease of use.

**EVO 3 Cutters**, see pages 14 - 15

**EVO 3 Spreaders**, see page 20

**EVO 3 Combi Tools**, see page 24

**EVO 3 Rams**, see page 30

**INLINE CONTROL  
HANDLE WITH  
360° ACCES**

**SMART  
BATTERY  
POSITION**

**INCLINED CUTTING**

**MORE  
WORKING  
SPACE**

### **Inline control handle with 360° acces**

Centrally placed at the back of the tool, our control handle is always within reach, even in the most difficult positions and at all sides of the car.

### **Smart battery position**

The battery on top of the tool is always accessible and easy to change, even when space is limited.

### **More working space**

Also available in a cordless version is our unique Inclined Cutter, offering improved ergonomics and maximized working space. Designed for easy use at all sides of the car.

**WATCH THE VIDEO OR  
REQUEST A DEMO ON  
[HOLMATRO.COM/EV03](https://holmatro.com/ev03)**

# INCLINED CUTTING

## THE 30° REVOLUTION

With its unique 30-degree angled jaw, the Holmatro Inclined Cutter improves user comfort and maximizes working space. Available in various models, see pages 14 and 16.

### Improved ergonomics

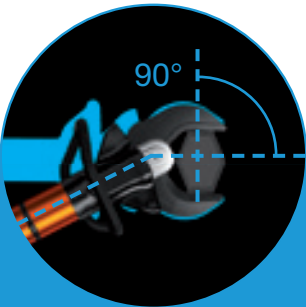


### Maximized working space



**When cutting high**  
The body of a car often needs to be cut high up. This means you need to lift the cutter to shoulder level or above. Physically, this is extremely demanding. The Holmatro Inclined Cutter allows users to cut materials well above waist level without unnecessary strain.

**When cutting low**  
The same principle also applies when cutting low on the door hinge or the rocker channel. It is physically demanding, as you need to bend down putting undue strain on your back. Again, the Holmatro Inclined Cutter proves its value: the angled jaw makes cutting in low positions more comfortable.



Inclined cutter blades keep the ideal 90° angle towards the construction, required for effective cutting. Any other position will reduce cutting performance.

**More room for tool movement**  
The Holmatro Inclined Cutter offers 30 degrees more working space between the tool and the car. It leaves more room for tool movement, which enhances patient safety and eliminates the need for repeated cutter repositioning.

**No unintended leverage**  
When you need to cut at a low level - through the car's rocker channel, for example - the Holmatro Inclined Cutter with its tilted jaw doesn't need to be positioned close and parallel to the ground. This avoids unwanted leverage and vehicle displacement caused by the tool, which could worsen the patient's medical condition.

WATCH THE VIDEO OR  
REQUEST A DEMO ON  
[HOLMATRO.COM/  
INCLINED](https://www.holmatro.com/inclined)

# HOLMATRO NCT CUTTERS

## UNMATCHED PERFORMANCE

Holmatro's New Car Technology Cutters generate high forces and have excellent EN and NFPA performance scores. But in the end, the only thing that counts is their unmatched performance on actual vehicles during life-saving operations.

### Tested on the latest car models

At Holmatro we believe in true cutting performance which cannot be reflected by (theoretical) specifications on paper. That is why we keep testing our cutters on the latest and strongest vehicle models. Not only should they be able to perform well on today's toughest cars, they should also have a capacity reserve for the future, when even stronger cars will be driving on our roads. And the good news is: they do! Watch the video on [holmatro.com/en/test](http://holmatro.com/en/test).

### Ready for the future

With Holmatro cutters you are prepared for the future! During our tests we place an inline pressure gauge in the hose, so we can see how much capacity is left for when it gets even tougher.

**TEST:**  
**BMW X3, B-PILLAR**  
**SINGLE CUT**  
**CUTTER: CU 5060 I**  
**AV. PRESSURE:**  
**300 OUT OF 720 BAR**



## THANKS TO SMART TOOL DESIGN

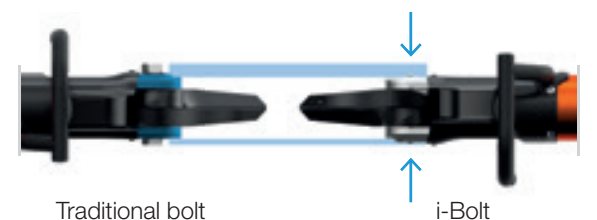
### NCT blade design

Holmatro's U-shaped New Car Technology blades pull even the strongest new car materials into the cutting recess where they are cut at the highest possible force.



### i-Bolt

Holmatro's patented flat central bolt construction (without a blade holder in between!) presses the blades together directly and more tightly. This minimizes blade separation and maximizes cutting performance. An additional advantage of the i-Bolt is that it fits into confined spaces.



### Optimized cutting edge

Holmatro's enhanced cutting edge design withstands wear and damage even better. It ensures a longer life of the blades and superior cutting performance.



**WATCH THE VIDEO ON**  
**HOLMATRO.COM/EN/TEST**

# CORDLESS NCT CUTTERS - INCLINED

NCT = New Car Technology



GCU 5050 i EVO 3

| specifications                        |      | GCU 5030 i CL EVO 3 | GCU 5040 i EVO 3 | GCU 5050 i EVO 3 | GCU 5060 i EVO 3 |
|---------------------------------------|------|---------------------|------------------|------------------|------------------|
| art. no. (excl. battery)              |      | 150.052.109         | 150.052.111      | 150.052.113      | 150.052.115      |
| cutter jaw                            |      | inclined            | inclined         | inclined         | inclined         |
| max. force                            | kN/t | 549 / 56            | 764 / 77.9       | 1389 / 141.6     | 1765 / 180       |
| blade opening                         | mm   | 170                 | 170              | 182              | 205              |
| weight, ready for use (incl. battery) | kg   | 15.2                | 19               | 21.6             | 25.4             |
| round bar                             | mm   | 31                  | 36               | 41               | 47               |
| integrated lighting / i-Bolt          |      | √ / √               | √ / √            | √ / √            | √ / √            |

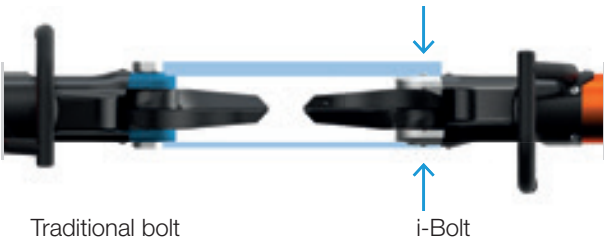
### Inclined cutter jaw

- For more ergonomic cutting above waist height or low on the car
- To reduce the effect of tool movement towards the patient or the ground (no unintended leverage)



### i-Bolt Technology

- Holmatro's patented flat central bolt construction (without a blade holder in between!) presses the blades together directly and more tightly. This minimizes blade separation and maximizes cutting performance. An additional advantage of the i-Bolt is that it fits into confined spaces.



### Ergonomic carrying handle

- Provides greater comfort in various working positions. The Inclined Cutter has one that goes all around the tool, so you can make use of the 30-degree advantage on either side of the vehicle.

# CORDLESS NCT CUTTERS - TRADITIONAL

NCT = New Car Technology



GCU 5030 CL EVO 3

| specifications                        |      | GCU 5030 CL EVO 3 | GCU 5040 EVO 3 | GCU 5050 EVO 3 | GCU 5060 EVO 3 |
|---------------------------------------|------|-------------------|----------------|----------------|----------------|
| art. no. (excl. battery)              |      | 150.052.108       | 150.052.110    | 150.052.112    | 150.052.114    |
| cutter jaw                            |      | straight          | straight       | straight       | straight       |
| max. force                            | kN/t | 579 / 59          | 794 / 81       | 1412 / 144     | 1793 / 182.8   |
| blade opening                         | mm   | 170               | 170            | 182            | 205            |
| weight, ready for use (incl. battery) | kg   | 15.1              | 18.8           | 21.4           | 25.3           |
| round bar                             | mm   | 31                | 36             | 41             | 47             |
| integrated lighting / i-Bolt          |      | √ / √             | √ / √          | √ / √          | √ / √          |

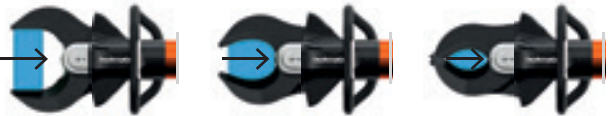
### Self-contained

- For optimal freedom of movement
- Rapid deployment: simply press the start button and start working



### NCT blade design

- Holmatro's U-shaped New Car Technology blades pull even the strongest new car materials into the cutting recess where they are cut at the highest possible force.



### Integrated LED lighting

- New LED lighting in the carrying handle: no less than six lights with a higher light output. You can start right away, both during the day and at night, without working in your own shadow.



# NCT CUTTERS - INCLINED

NCT = New Car Technology

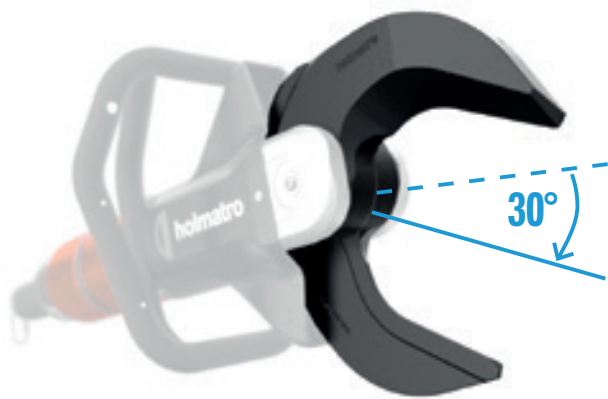


CU 5030 i CL

| specifications               | CU 5030 i CL   | CU 5040 i      | CU 5050 i      | CU 5060 i      |
|------------------------------|----------------|----------------|----------------|----------------|
| art. no.                     | 150.012.287    | 150.012.290    | 150.012.306    | 150.012.289    |
| cutter jaw                   | inclined       | inclined       | inclined       | inclined       |
| EN 13204                     | BC150F-9.5     | BC165I-13.2    | BC165K-15.9    | CC205K-19.6    |
| NFPA 1936                    | A6 B5 C6 D6 E6 | A7 B7 C6 D7 E8 | A8 B8 C7 D9 E9 | A9 B9 C9 D9 E9 |
| blade opening                | mm 170         | 170            | 182            | 205            |
| max. force                   | kN/t 549 / 56  | 764 / 77.9     | 1389 / 141.6   | 1765 / 180     |
| weight, ready for use        | kg 9.5         | 13.2           | 15.9           | 19.6           |
| round bar                    | mm 31          | 36             | 41             | 47             |
| integrated lighting / i-Bolt | √ / √          | √ / √          | √ / √          | √ / √          |

### Inclined cutter jaw

-Significantly reduces physical strain when cutting the vehicle at high or low levels. Also offers extra working space to improve patient safety and prevent repeated tool repositioning.



### Integrated LED lighting

- New LED lighting in the carrying handle: no less than six lights with a higher light output. You can start right away, both during the day and at night, without working in your own shadow.



### Ergonomic carrying handle

- Provides greater comfort in various working positions. The Inclined Cutter has one that goes all around the tool, so you can make use of the 30-degree advantage on either side of the vehicle.



# NCT CUTTERS - TRADITIONAL

NCT = New Car Technology



CU 5030 CL

| specifications               | CU 5030 CL     | CU 5040        | CU 5050        | CU 5060        |
|------------------------------|----------------|----------------|----------------|----------------|
| art. no.                     | 150.012.286    | 150.012.279    | 150.012.300    | 150.012.288    |
| cutter jaw                   | straight       | straight       | straight       | straight       |
| EN 13204                     | BC150F-9.5     | BC165I-13.1    | BC165K-15.7    | CC205K-19.8    |
| NFPA 1936                    | A6 B5 C6 D6 E6 | A7 B7 C6 D7 E8 | A8 B8 C7 D9 E9 | A9 B9 C9 D9 E9 |
| blade opening                | mm 170         | 170            | 182            | 205            |
| max. force                   | kN/t 579 / 59  | 794 / 81       | 1412 / 144     | 1793 / 182.8   |
| weight, ready for use        | kg 9.5         | 13.1           | 15.7           | 19.8           |
| round bar                    | mm 31          | 36             | 41             | 47             |
| integrated lighting / i-Bolt | √ / √          | √ / √          | √ / √          | √ / √          |

### NCT blade design

- Holmatro's U-shaped New Car Technology blades pull even the strongest new car materials into the cutting recess where they are cut at the highest possible force.



### Lighter and more ergonomic than ever

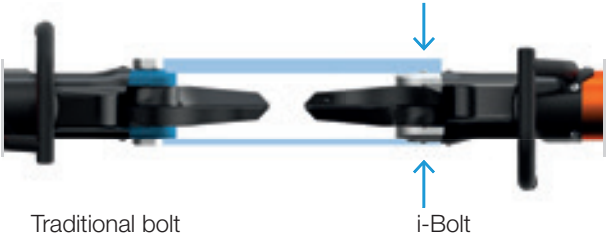
- Easy to carry and handle, reducing physical burden

### i-Bolt Technology

- Holmatro's patented flat central bolt construction (without a blade holder in between!) presses the blades together directly and more tightly. This minimizes blade separation and maximizes cutting performance. An additional advantage of the i-Bolt is that it fits into confined spaces.

### Integrated LED lighting

- New LED lighting in the carrying handle: no less than six lights with a higher light output. You can start right away, both during the day and at night, without working in your own shadow.



GP CUTTERS - GENERAL PURPOSE



CU 5050 GP

| specifications               | CU 4007 C       | CU 5040 GP  | CU 5050 GP  |
|------------------------------|-----------------|-------------|-------------|
| art. no.                     | 150.012.232     | 150.012.328 | 150.012.329 |
| EN 13204                     | AC59B-3.8       | CC201I-13.7 | CC211J-16.5 |
| NFPA 1936                    | √               | √           | √           |
| blade opening                | mm 59           | 280         | 301         |
| max. force                   | kN/t 220 / 22.4 | 794 / 81    | 1412 / 144  |
| round bar                    | mm 20           | 36          | 41          |
| weight, ready for use        | kg 3.8          | 13.7        | 16.5        |
| integrated lighting / i-Bolt | - - / √         | √ / √       | √ / √       |

The choice is yours

- A Holmatro NCT cutter if your main application is road traffic accidents
- A Holmatro GP cutter if your application can be anything and varies from road traffic accidents to urban search and rescue, industrial accidents, train accidents, etc



CU 4007 C



CU 5040 GP

CUTTERS - ACCESSORIES



| required Accessories (for all EVO 3 models)  | art. no.    |
|----------------------------------------------|-------------|
| 1 Battery BPA 286 (6.0 Ah)                   | 151.000.307 |
| accessories (for all EVO 3 models)           | art. no.    |
| 2 Battery charger BCH1 (220 - 240 VAC)       | 150.182.208 |
| Battery charger BCH2 (100 - 120 VAC)         | 150.182.209 |
| Battery car charger BCH3, 12-24 VDC          | 150.182.286 |
| 3 Mains power connector BMC1 (220 - 240 VAC) | 150.182.206 |
| Mains power connector BMC2 (100 - 120 VAC)   | 150.182.207 |
| 4 Battery pouch                              | 150.182.214 |
| 5 Carrying strap                             | 150.182.249 |



CORDLESS SPREADERS



GSP 5240 CL EVO 3

| specifications                        |      | GSP 5240 CL EVO 3 | GSP 5240 EVO 3 | GSP 5250 EVO 3 | GSP 5260 EVO 3 |
|---------------------------------------|------|-------------------|----------------|----------------|----------------|
| art. no. (excl. battery)              |      | 150.052.116       | 150.052.117    | 150.052.118    | 151.000.164    |
| spreading distance                    | mm   | 510               | 725            | 725            | 822            |
| max. spreading force                  | kN/t | 131 / 13.4        | 280 / 28.6     | 366 / 37.3     | 522 / 53.2     |
| min. spreading force (EN 13204)       | kN/t | 40 / 4.1          | 41 / 4.2       | 51 / 5.2       | 62 / 6.3       |
| max. pulling force                    | kN/t | 47 / 4.8          | 47 / 4.8       | 67 / 6.8       | 82 / 8.4       |
| max squeezing force                   | kN/t | 47 / 4.8          | 59 / 6         | 135 / 13.8     | 127 / 13       |
| weight, ready for use (incl. battery) | kg   | 15.4              | 20.3           | 21.7           | 25.7           |
| integrated lighting                   |      | √                 | √              | √              | √              |

Effective profile on the spreading tips

- Perfect grip in every situation

Advanced battery technology

- Lithium-ion technology combines a long battery life with high capacity for maximum operational use.



Use in all weather conditions

- Suitable for use in all weather conditions, also in the case of (extreme) precipitation and temperatures down to -20° C.



Emission-free

- No emissions, so healthier for rescuers and patients: ideal for use in confined and/ or underground spaces.



SPREADERS



SP 5240 CL

| specifications                    |      | SP 5240 CL      | SP 5240       | SP 5250       | SP 5260       | SP 5280       |
|-----------------------------------|------|-----------------|---------------|---------------|---------------|---------------|
| art. no.                          |      | 150.012.322     | 150.012.323   | 150.012.324   | 150.012.325   | 150.012.326   |
| EN 13204                          |      | √ <sup>1)</sup> | AS41/725-14.5 | AS51/725-15.9 | BS62/822-19.6 | CS83/662-19.4 |
| NFPA 1936                         |      | √               | √             | √             | √             | √             |
| 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. pulling force                | kN/t | 47 / 4.8        | 47 / 4.8      | 67 / 6.8      | 82 / 8.4      | 99 / 10.1     |
| max. squeezing force              | kN/t | 47 / 4.8        | 59 / 6        | 135 / 13.8    | 127 / 13      | 159 / 16.2    |
| weight, ready for use             | kg   | 9.6             | 14.5          | 15.9          | 19.6          | 19.4          |
| speed valve / integrated lighting |      | √ / √           | √ / √         | √ / √         | √ / √         | √ / √         |

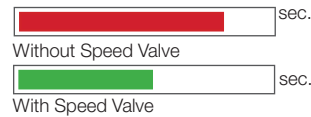
<sup>1)</sup> EN 13204 compliant, except for spreading distance

Lighter than ever, no concessions

- Optimal performance to weight ratio

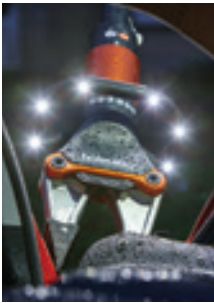
Unique Speed Valve

- For quicker reactions



New LED lighting in the carrying handle

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



SPREADERS - ACCESSORIES



1



2



3



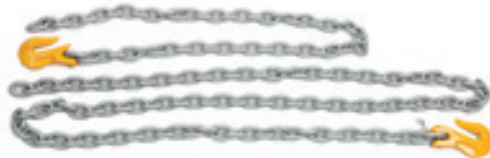
4



5



6



7



8



9



10a



10b

| required accessories (for all EVO 3 models) |                                                                                              |                              | art. no.    |
|---------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------|-------------|
| 1                                           | Battery BPA 286 (6.0 Ah)                                                                     |                              | 151.000.307 |
| accessories (for all EVO 3 models)          |                                                                                              |                              | art. no.    |
| 2                                           | Battery charger BCH1 (220 - 240 VAC)                                                         |                              | 150.182.208 |
|                                             | Battery charger BCH2 (100 - 120 VAC)                                                         |                              | 150.182.209 |
|                                             | Battery car charger BCH3, 12-24 VDC                                                          |                              | 150.182.286 |
| 3                                           | Mains power connector BMC1 (220 - 240 VAC)                                                   |                              | 150.182.206 |
|                                             | Mains power connector BMC2 (100 - 120 VAC)                                                   |                              | 150.182.207 |
| 4                                           | Battery pouch                                                                                |                              | 150.182.214 |
| 5                                           | Carrying strap                                                                               |                              | 150.182.249 |
| accessories                                 |                                                                                              | for model<br>CORE &<br>EVO 3 | art. no.    |
| 6                                           | Pulling attachment set PAS 01                                                                | 5240 CL                      | 150.182.273 |
|                                             | Pulling attachment set PAS 02                                                                | 5240<br>5250                 | 150.182.274 |
|                                             | Pulling attachment set PAS 03                                                                | 5260                         | 150.182.275 |
| 7                                           | Pulling chain set PCS 01                                                                     | 5240 CL<br>5240<br>5250      | 150.582.152 |
|                                             | Pulling chain set PCS 03                                                                     | 5260                         | 150.582.261 |
| 8                                           | Pulling chain set in case PCS 02                                                             | 5240 CL<br>5240<br>5250      | 150.582.021 |
|                                             | Pulling chain set in case PCS 04                                                             | 5260                         | 150.582.020 |
| 9                                           | Cutting tip set CTS 01                                                                       | 5240<br>5250                 | 150.006.474 |
|                                             | Cutting tip set CTS 02                                                                       | 5260                         | 150.006.466 |
| 10a                                         | Accessories set in case ACS 01<br>(2 spreading tips,<br>2 pulling attachments)               | 5240 CL                      | 150.182.289 |
| 10b                                         | Accessory set in case ACS 02<br>(2 cutting tips, 2 spreading tips,<br>2 pulling attachments) | 5240<br>5250                 | 150.182.288 |
|                                             | Accessory set in case ACS 03<br>(2 cutting tips, 2 spreading tips,<br>2 pulling attachments) | 5260                         | 150.182.290 |

LIGHTER THAN EVER, NO COMPROMISE

The most important factor in the development of Holmatro's 5000 series spreaders was weight reduction, without compromising on product quality and performance. The result? Five ergonomically designed spreaders with an optimal performance-to weight-ratio. Four models are also available with next-generation EVO 3 battery technology for quicker deployment and ultimate freedom of movement.

COMPACT LIGHTWEIGHT SPREADER

Our 5240 CL spreader has been developed entirely on the basis of practical application. In other words: what force and what spreading distance are actually required to free a patient who is trapped inside a car? This research has resulted in an exceptionally compact and lightweight spreader, offering every capability you need when dealing with new car construction. And although this spreader was not designed to meet the international rescue tool standards it fully complies with NFPA 1936 and (except spreading distance) with EN 13204.

WATCH THE VIDEO ON  
HOLMATRO.COM/EN/  
SPREADERS

CORDLESS COMBI TOOLS



GCT 5111 EVO 3

| specifications                       |      | GCT 4120 EVO 3 | GCT 4150 EVO 3 | GCT 5111 EVO 3 | GCT 5117 EVO 3 | GCT 5160 EVO 3 |
|--------------------------------------|------|----------------|----------------|----------------|----------------|----------------|
| art. no. (excl. battery)             |      | 150.052.105    | 150.052.106    | 150.052.099    | 150.052.102    | 150.052.098    |
| spreading distance                   | mm   | 268            | 360            | 281            | 431            | 468            |
| max. spreading force                 | kN/t | 220 / 22.4     | 211 / 21.5     | 457 / 46.6     | 54 / 5.5       | 1367 / 139.4   |
| min. spreading force (EN 13204)      | kN/t | 26 / 2.7       | 35 / 3.6       | 48 / 4.9       | 28 / 2.9       | 44.5 / 4.5     |
| max. cutting opening                 | mm   | 191            | 229            | 196            | 352            | 394            |
| max. cutting force                   | kN/t | 247 / 25.2     | 380 / 38.7     | 206 / 21       | 204 / 20.8     | 929 / 94.7     |
| max. squeezing force                 | kN/t | 46 / 4.7       | 76 / 7.7       | 44 / 4.5       | 27 / 2.8       | 87.9 / 9       |
| max. pulling force                   | kN/t | 61 / 6.2       | 51 / 5.2       | --             | 30 / 3.1       | 105 / 10.7     |
| weight, ready for use (incl battery) | kg   | 14.6           | 19.6           | 13.7           | 14.4           | 23.3           |
| round bar                            | mm   | 24             | 32             | 24             | 24             | 40             |
| integrated lighting / i-Bolt         |      | √ / --         | √ / √          | √ / √          | √ / √          | √ / √          |

Cordless

- No pump and hose(s) needed
- Battery quickly rechargeable and replaceable

Multifunctional

- A single piece of equipment for cutting, spreading, squeezing and pulling



WATCH THE VIDEO ON  
HOLMATRO.COM/EN/  
COMBI-TOOL-5160

COMBI TOOLS



CT 5111

| specifications                                | CT 5111         | CT 5111 RH     | CT 5117        | CT 5117 RH     |
|-----------------------------------------------|-----------------|----------------|----------------|----------------|
| art. no.                                      | 150.012.307     | 150.012.308    | 150.012.310    | 150.012.311    |
| EN 13204                                      | BK48/281-E-8.0  | BK48/281-E-7.9 | BK28/431-E-8.6 | BK28/431-E-8.6 |
| NFPA 1936                                     | A5/B5/C5/D6/E4  | A5/B5/C5/D6/E4 | A5/B5/C4/D6/E4 | A5/B5/C4/D6/E4 |
| spreading distance                            | mm 281          | 281            | 431            | 431            |
| 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 opening                          | mm 196          | 196            | 352            | 352            |
| max. cutting force                            | 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       |
| round bar                                     | mm 24           | 24             | 24             | 24             |
| weight, ready for use                         | kg 8.0          | 7.9            | 8.6            | 8.6            |
| integrated lighting / i-Bolt/ rotating handle | √ / √ / --      | -- / √ / √     | √ / √ / --     | -- / √ / √     |

Lightweight

- Easy to carry and handle, reducing physical burden

360° rotatable, flat foldable carrying handle - RH models

- 11 locking positions for use at any angle



Multifunctional

- Cutting, spreading, squeezing and pulling (CT 5117) with one tool



COMBI TOOLS



CT 5160

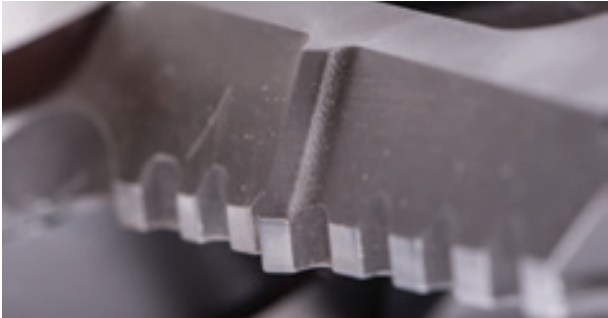
| specifications                | CT 4120 C       | CT 4150 C       | CT 5160        |
|-------------------------------|-----------------|-----------------|----------------|
| art. no.                      | 150.012.141     | 150.012.099     | 150.012.330    |
| EN 13204                      | BK26/268-E-8.7  | CK35/360-H-14.2 | CK45/468J-17.6 |
| NFPA 1936                     | √               | √               | √              |
| spreading distance            | mm 268          | 360             | 468            |
| max. spreading force          | kN/t 220 / 22.4 | 211 / 21.5      | 1367 / 139.4   |
| min. spreading force EN 13204 | kN/t 26 / 2.7   | 35 / 3.6        | 44.5 / 4.5     |
| max. cutting opening          | mm 191          | 229             | 394            |
| max. cutting force            | kN/t 247 / 25.2 | 380 / 38.7      | 929 / 94.7     |
| max. squeezing force          | kN/t 46 / 4.7   | 76 / 7.7        | 87.9 / 9       |
| max. pulling force            | kN/t 61 / 6.2   | 51 / 5.2        | 105 / 10.7     |
| round bar                     | mm 24           | 32              | 40             |
| weight, ready for use         | kg 8.7          | 14.2            | 17.6           |
| integrated lighting / i-Bolt  | -- / --         | √ / √           | √ / √          |

Large spreading distance and cutting opening - CT 5160

- Gives you great operational flexibility. Cuts wider materials and creates all the space you need.

Unique grip tooth - CT 5160

- For extra bite when cutting. To prevent wider materials from being pushed out of the blades.



Removable spreading tips - CT 5160

- To finish a cut without crushing material between the tips. Designed in one piece to prevent losing parts. Quick single-handed removal. With reflective markings for optimal visibility.



HAND-OPERATED COMBI TOOLS



HCT 5111 RH

| specifications                                 | HCT 4120          | HCT 5111       | HCT 5111 RH    | HCT 5117       | HCT 5117 RH    |
|------------------------------------------------|-------------------|----------------|----------------|----------------|----------------|
| art. no.                                       | 150.012.146       | 150.012.314    | 150.012.315    | 150.012.317    | 150.012.318    |
| EN 13204 classification                        | BK26/268-E-10.8   | BK48/281-E-8.8 | BK48/281-E-8.7 | BK28/431-E-9.5 | BK28/431-E-9.4 |
| spreading                                      | mm 268            | 281            | 281            | 431            | 431            |
| max. spreading force                           | kN / t 220 / 22.4 | 457 / 46.6     | 457 / 46.6     | 54 / 5.5       | 54 / 5.5       |
| min. spreading force (EN 13204)                | kN / t 26 / 2.7   | 48 / 4.9       | 48 / 4.9       | 28 / 2.9       | 28 / 2.9       |
| max. cutting opening                           | mm 191            | 196            | 196            | 352            | 352            |
| max. cutting force                             | kN / t 247 / 25.2 | 206 / 21       | 206 / 21       | 204 / 20.8     | 204 / 20.8     |
| max. squeezing force                           | kN / t 46 / 4.7   | 44 / 4.5       | 44 / 4.5       | 27 / 2.8       | 27 / 2.8       |
| max. pulling force                             | kN / t 61 / 6.2   | --             | --             | 30 / 3.1       | 30 / 3.1       |
| min. insertion height                          | mm --             | --             | --             | --             | --             |
| max. lifting height                            | mm --             | --             | --             | --             | --             |
| weight, ready for use                          | kg 10.8           | 8.8            | 8.7            | 9.5            | 9.4            |
| round bar                                      | mm 24             | 24             | 24             | 24             | 24             |
| integrated lighting / i-Bolt / rotating handle | -- / -- / --      | √ / √ / --     | -- / √ / √     | √ / √ / --     | -- / √ / √     |

Self-contained with integrated 2-stage pump

- For optimal freedom of movement
- Rapid deployment: simply fold out the pump handle and start pumping

Pump handle foldable and rotatable

- Easy carrying and storage
- Can be used in any position
- Also easy to use in confined spaces

360° rotatable, flat foldable carrying handle

- 11 locking positions for use at almost any angle: HCT 5111 / 5117 RH



COMBI TOOLS - ACCESSORIES



| required Accessories (for all EVO 3 models) |                                                 | art. no.               |             |
|---------------------------------------------|-------------------------------------------------|------------------------|-------------|
| 1                                           | Battery BPA 286 (6.0 Ah)                        | 151.000.307            |             |
| accessories (for all EVO 3 models)          |                                                 | art. no.               |             |
| 2                                           | Battery charger BCH1 (220 - 240 VAC)            | 150.182.208            |             |
|                                             | Battery charger BCH2 (100 - 120 VAC)            | 150.182.209            |             |
|                                             | Battery car charger BCH3, 12-24 VDC             | 150.182.286            |             |
| 3                                           | Mains power connector BMC1 (220 - 240 VAC)      | 150.182.206            |             |
|                                             | Mains power connector BMC2 (100 - 120 VAC)      | 150.182.207            |             |
| 4                                           | Battery pouch                                   | 150.182.214            |             |
| 5                                           | Carrying strap                                  | 150.182.249            |             |
| 6                                           | Carrying / backpack harness (except 5160)       | 150.553.115            |             |
| accessories                                 |                                                 | for model CORE & EVO 3 | art. no.    |
| 7                                           | Carrying/storage bag                            | 5111<br>5117<br>4120   | 150.182.228 |
| 8                                           | Pulling attachment set PAS 04                   | 5117                   | 150.182.241 |
|                                             | Pulling attachment set PAS 05                   | 4120                   | 150.582.551 |
|                                             | Pulling attachment set PAS 06                   | 4150                   | 150.582.026 |
|                                             | Pulling attachment set PAS 07                   | 5160                   | 150.182.078 |
| 9                                           | Pulling chain set PCS 05                        | 5117                   | 150.582.548 |
|                                             | Pulling chain set PCS 01                        | 4120<br>4150           | 150.582.152 |
|                                             | Pulling chain set PCS 03                        | 5160                   | 150.582.261 |
| 10                                          | Pulling attachment and chain set in case PAC 01 | 4120                   | 150.582.028 |
|                                             | Pulling attachment and chain set in case PAC 02 | 4150                   | 150.582.018 |
| 11                                          | Accessories set in case ACS 04                  | 5160                   | 150.182.365 |
| 12                                          | Pulling chain set in case PCS 04                | 5160                   | 150.582.020 |



CORDLESS RAMS



GTR 5350 LP EVO 3

| specifications                       |        | GRA 4321 EVO 3 | GRA 4331 EVO 3 | GTR 5340 LP EVO 3 | GTR 5350 LP EVO 3 |
|--------------------------------------|--------|----------------|----------------|-------------------|-------------------|
| art. no. (excl. battery)             |        | 150.052.119    | 150.052.120    | 151.000.092       | 151.000.061       |
| spreading force over full stroke     | kN / t | 161 / 16.4     | 161 / 16.4     | --                | --                |
| spreading force 1st plunger          | kN / t | --             | --             | 217 / 22.1        | 217 / 22.1        |
| spreading force 2nd plunger          | kN / t | --             | --             | 101 / 10.3        | 101 / 10.3        |
| spreading stroke 1st plunger         | mm     | --             | --             | 150               | 375               |
| spreading stroke 2nd plunger         | mm     | --             | --             | 125               | 350               |
| (total) spreading / pulling stroke   | mm     | 250            | 350            | 275               | 725               |
| pulling force over full stroke       | kN / t | 50 / 5.1       | 50 / 5.1       | --                | --                |
| retracted / extended length          | mm     | 591 / 841      | 691 / 1041     | 335 / 610         | 560 / 1285        |
| weight, ready for use (incl battery) | kg     | 18.4           | 19.9           | 17.6              | 24.6              |
| integrated lighting / laser pointer  |        | √ / --         | √ / --         | √ / √             | √ / √             |

High performance

- High spreading force

Powered by lithium-ion battery technology

- Combines a long battery life with high capacity for maximum operational use
- LED indicator shows battery capacity



RAMS - TELESCOPIC / EXTENDO



TR 5350 LP

| specifications                                    |        | TR 5340 LP            | TR 5350 LP             | TR 5370 LP             | XR 4360 C                               |
|---------------------------------------------------|--------|-----------------------|------------------------|------------------------|-----------------------------------------|
| art. no.                                          |        | 150.032.102           | 150.032.101            | 150.032.100            | 150.032.094                             |
| EN 13204                                          |        | TR217/150-101/125-9.2 | TR217/375-101/350-14.6 | TR231/450-111/425-16.9 | R100/650-13.6<br>TR100/300-100/350-13.6 |
| NFPA 1936                                         |        | √                     | √                      | √                      | √                                       |
| spreading force over full stroke                  | kN / t | --                    | --                     | --                     | 100 / 10.2                              |
| spreading force 1st plunger                       | kN / t | 217 / 22.1            | 217 / 22.1             | 231 / 23.6             | --                                      |
| spreading force 2nd plunger                       | kN / t | 101 / 10.3            | 101 / 10.3             | 111 / 11.3             | --                                      |
| spreading stroke 1st plunger                      | mm     | 150                   | 375                    | 450                    | --                                      |
| spreading stroke 2nd plunger                      | mm     | 125                   | 350                    | 425                    | --                                      |
| mechanical stroke                                 | mm     | --                    | --                     | --                     | 300                                     |
| hydraulic stroke                                  | mm     | --                    | --                     | --                     | 350                                     |
| (total) spreading stroke                          | mm     | 275                   | 725                    | 875                    | 650                                     |
| plunger type                                      |        | telescopic            | telescopic             | telescopic             | Extendo                                 |
| retracted/extended length                         | mm     | 335 / 610             | 560 / 1285             | 635 / 1510             | 625 / 1275                              |
| weight, ready for use                             | kg     | 9.2                   | 14.6                   | 16.9                   | 13.6                                    |
| speed valve / integrated lighting / laser pointer |        | √ / √ / √             | √ / √ / √              | √ / √ / √              | √ / -- / --                             |

Extendo ram

- With fast mechanical stroke to speed up tool placement

Integrated laser pointer – patent pending

- To help you hit the right spot in one go, which saves time and is safer for the patient



XR 4360 C



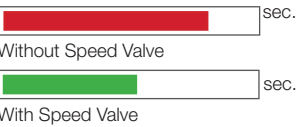
RAMS - SINGLE AND DOUBLE PLUNGER



RA 5315 CL

| specifications                   | RA 5311 CL   | RA 5313 CL   | RA 5315 CL   | RA 4321 C     | RA 4331 C     | RA 4322 C     | RA 4332 C     |
|----------------------------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|
| art. no.                         | 150.032.119  | 150.032.120  | 150.032.121  | 150.032.045   | 150.032.046   | 150.032.041   | 150.032.047   |
| EN 13204                         | R100/150-6.4 | R100/250-7.8 | R100/400-9.8 | R161/250-11.1 | R161/350-12.6 | R161/480-15.4 | R161/680-18.3 |
| NFPA 1936                        | √            | √            | √            | √             | √             | √             | √             |
| spreading force over full stroke | kN / t       | 100 / 10.2   | 100 / 10.2   | 100 / 10.2    | 161 / 16.4    | 161 / 16.4    | 161 / 16.4    |
| (total) spreading stroke         | mm           | 150          | 250          | 400           | --            | --            | --            |
| spreading / pulling stroke       | mm           | --           | --           | --            | 250           | 350           | 2 x 240       |
| pulling force over full stroke   | kN / t       | --           | --           | --            | 50 / 5.1      | 50 / 5.1      | 50 / 5.1      |
| plunger type                     | single       | single       | single       | single        | single        | double        | double        |
| retracted/extended length        | mm           | 320 / 470    | 415 / 665    | 567 / 967     | 512/762       | 612/962       | 745/1225      |
| weight, ready for use            | kg           | 6.4          | 7.8          | 9.8           | 11.1          | 12.6          | 15.4          |
| speed Valve                      | √            | √            | √            | √             | √             | √             | √             |

Unique Speed Valve in all rams  
- for quicker tool placement



At low pressures, the tools open up significantly quicker.



RAMS - ACCESSORIES



| required Accessories (for all EVO 3 models)              |                                                                                         |        |                              | art. no.                     |          |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------|--------|------------------------------|------------------------------|----------|
| 1                                                        | Battery BPA 286 (6.0 Ah)                                                                |        |                              | 151.000.307                  |          |
| accessories (for all EVO 3 models)                       |                                                                                         |        |                              | art. no.                     |          |
| 2                                                        | Battery charger BCH1 (220 - 240 VAC)                                                    |        |                              | 150.182.208                  |          |
|                                                          | Battery charger BCH2 (100 - 120 VAC)                                                    |        |                              | 150.182.209                  |          |
|                                                          | Battery car charger BCH3, 12-24 VDC                                                     |        |                              | 150.182.286                  |          |
| 3                                                        | Mains power connector BMC1 (220 - 240 VAC)                                              |        |                              | 150.182.206                  |          |
|                                                          | Mains power connector BMC2 (100 - 120 VAC)                                              |        |                              | 150.182.207                  |          |
| 4                                                        | Battery pouch                                                                           |        |                              | 150.182.214                  |          |
| accessories                                              |                                                                                         |        |                              | for model<br>CORE &<br>EVO 3 | art. no. |
| 5                                                        | Accessory kit AS 4300 A in carrying / storage box (extension pipes 165, 330 and 500 mm) |        | 4321<br>4331                 | 150.182.269                  |          |
| 6                                                        | Accessory kit AS 4300 B in carrying / storage box                                       |        | 4321<br>4331                 | 150.182.296                  |          |
| 7                                                        | Pulling chain set in case PCS 02                                                        |        | 4321<br>4331<br>4322<br>4332 | 150.582.021                  |          |
| 8                                                        | Carrying handle RCH 01                                                                  |        | 4322<br>4332                 | 150.013.163                  |          |
| 9                                                        | Extension pipe TRE 01                                                                   | 250 mm | 5340                         | 150.182.337                  |          |
| 10                                                       | Extension pipe TRE 02                                                                   | 450 mm | 5340                         | 150.182.336                  |          |
| Rim adapter set, in carrying / storage box (see page 48) |                                                                                         |        |                              | 150.182.580                  |          |
| Ram support HRS 22 (NCT) (see page 48)                   |                                                                                         |        |                              |                              |          |



TR 5340 LP with extension pipes



# GREENLINE BATTERY PUMP SPU 16 BC



SPU 16 BC

| specifications                      | SPU 16 BC                                |                                                                            |
|-------------------------------------|------------------------------------------|----------------------------------------------------------------------------|
| art. no. (excl. battery)            | 150.152.689                              |                                                                            |
| EN 13204 <sup>1)</sup>              | STO                                      |                                                                            |
| NFPA 1936                           | √                                        |                                                                            |
| engine                              | electric, battery-driven: 36 VDC – 940 W |                                                                            |
| engine                              | 3-stage axial                            |                                                                            |
| number of tool connections          | 1                                        |                                                                            |
| capacity oil tank                   | cc                                       | 1700                                                                       |
| weight, ready for use <sup>2)</sup> | kg                                       | 17.4                                                                       |
| continuous operation                | per battery                              | 140 minutes during common vehicle extrications 280 minutes unloaded (idle) |

<sup>1)</sup> EN 13204: STO = Single Tool Operation | <sup>2)</sup> including battery, hydraulic oil and coupler

3-stage pump technology

- Higher flow / tool speed in 2nd stage, more control when you need it in 3rd stage

Emission-free

- Ideal for powering rescue equipment in confined spaces like tunnels, trains and collapsed buildings
- Healthier for rescuers and patients



ECO whisper mode

- Power saving and extremely low noise level when tool is not in use

| required accessories                | art. no.    |  |
|-------------------------------------|-------------|--|
| 1 Battery BPA 36-1, 36 VDC, 16.2 Ah | 150.007.089 |  |
| 2 Charger, 110-240 VAC, 50-60 Hz    | 150.004.048 |  |
| accessories                         | art. no.    |  |
| 3 Docking station battery SPU 16 BC | 150.004.623 |  |



1

2

3

All weather proof

- Suitable for use at below zero temperatures, down to -20° C
- Suitable for use in wet weather conditions

LED lights above the coupler

- Easy to locate pump in the dark
- Facilitates coupling and uncoupling of hose in the dark

LED battery level indicator

- Indicates battery capacity while pump is in use
- When pump is not in use, the battery capacity can be checked by pressing a button

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



# MOTOR PUMPS



DPU 31 PC

| specifications                      | SPU 16 PC               | DPU 31 PC               |
|-------------------------------------|-------------------------|-------------------------|
| art. no.                            | 150.152.671             | 150.152.180             |
| EN 13204 <sup>1)</sup>              | STO                     | MTO                     |
| NFPA 1936                           | √                       | √                       |
| engine                              | petrol: 2.1 HP - 1.6 kW | petrol: 3.5 HP - 2.6 kW |
| pump type                           | 3-stage axial           | 2 x 2-stage axial pump  |
| number of tool connections          | 1                       | 2                       |
| capacity oil tank                   | cc                      | 1700                    |
| weight, ready for use <sup>2)</sup> | kg                      | 24.9                    |

<sup>1)</sup> EN 13204: STO = Single Tool Operation, MTO = Multiple Tool Operation | <sup>2)</sup> Including hydraulic and engine oil, fuel and coupler(s)

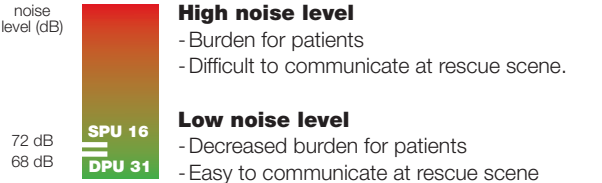
ECO-switch

- Electronic engine speed control. In ECO setting, engine speed increases automatically to maximum speed when tool is used
- When tool is not used, engine speed reverts to nominal speed
- Mnimizes noise and fuel consumption



Low noise level

- According to EN ISO 11201
- More comfortable for patient and better workplace for rescuer



Extremely lightweight pumps

- Can be carried quickly and easily to even the most inaccessible accident locations



3-stage pump technology - SPU 16 PC

- Higher flow / tool speed in 2nd stage, more control when you need it in 3rd stage

Lighting above coupler(s)

- Easy identification in the dark and facilitates coupling and uncoupling of hoses

SPIDER RANGE PUMPS - SR 10



SR 10 PC 1 E

| specifications                      | SR 10 PC 1              | SR 10 PC 1 E            |
|-------------------------------------|-------------------------|-------------------------|
| art. no.                            | 150.152.690             | 150.152.691             |
| EN 13204 <sup>1)</sup>              | STO                     | STO                     |
| NFPA 1936                           | √                       | √                       |
| engine                              | petrol: 2.1 HP - 1.6 kW | petrol: 2.1 HP - 1.6 kW |
| pump type                           | 3-stage axial           | 3-stage axial           |
| number of tool connections          | 1                       | 1                       |
| capacity oil tank                   | cc 2840                 | 2840                    |
| weight, ready for use <sup>2)</sup> | kg 14.5                 | 15.2                    |

<sup>1)</sup> EN 13204: STO = Single Tool Operation | <sup>2)</sup> including hydraulic and engine oil, fuel and coupler

Large hydraulic oil capacity

- Pump can be used with any tool including the biggest rams

ECO mode - SR 10 PC 1 E

- For optimal reduction of noise and fuel consumption
- Less noise means less stress for patients and easier on-scene communication
- Reduced fuel consumption extends the pump's operation time



Hydraulic oil level indicator

- For quick and easy monitoring of oil level from the outside of the pump
- Also on SR 20 (see page 37)



Soft-grip carrying handle

- Better grip
- Ergonomic design for improved carrying balance: pump easier to carry

| SR 10 - accessories                                     | Art. No.    |
|---------------------------------------------------------|-------------|
| Quick Fix & Release Bracket (see page 15) <sup>1)</sup> | 150.062.188 |
| Mounting plate pump side                                | 150.062.189 |
| Angled mounting plate truck side                        | 150.062.193 |
| LED light Spider range                                  | 590.000.343 |
| ECO module SR 10 PC <sup>2)</sup>                       | 150.182.270 |

<sup>1)</sup> delivered with fastening material | <sup>2)</sup> to upgrade your existing SR 10 PC 1 pump to a SR 10 PC 1 E

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 design
- Easy to carry
- Easy to store



SPIDER RANGE PUMPS - SR 20



SR 20 PC 2 E

| specifications                      | 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                               |
| EN 13204 <sup>1)</sup>              | MTO                     | MTO                     | STO                                      | MTO                                       |
| NFPA 1936                           | √                       | √                       | √                                        | √                                         |
| engine                              | petrol: 3.0 HP - 2.2 kW | petrol: 3.0 HP - 2.2 kW | electric 230 VAC - 1.1 kW - 50 Hz - 1 Ph | electric: 230 VAC - 1.8 kW - 50 Hz - 1 Ph |
| pump type                           | 2 x 3-stage axial pump  | 2 x 3-stage axial pump  | 3-stage axial pump                       | 3-stage axial pump                        |
| number of tool connections          | 2                       | 2                       | 1                                        | 2                                         |
| capacity oil tank                   | cc 4340                 | 4340                    | 4340                                     | 4340                                      |
| weight, ready for use <sup>2)</sup> | kg 22.7 <sup>2)</sup>   | 23.4 <sup>2)</sup>      | 24.9 <sup>3)</sup>                       | 34.0 <sup>3)</sup>                        |

<sup>1)</sup> EN 13204: STO = Single Tool Operation, MTO = Multiple Tool Operation | <sup>2)</sup> including hydraulic and engine oil, fuel and couplers | <sup>3)</sup> including hydraulic oil and coupler(s)

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 (STO model)
- Enough oil to operate any two rescue tools at the same time (MTO models)

Compact and lightweight

- Ergonomic design
- Easy to carry
- Easy to store

ECO mode - SR 20 PC 2 E

- For optimal reduction of noise and fuel consumption
- Less noise means less stress for patients and easier on-scene communication
- Reduced fuel consumption extends the pump's operation time

| SR 20 - accessories                       | Art. No.    |
|-------------------------------------------|-------------|
| Quick Fix & Release Bracket <sup>1)</sup> | 150.062.188 |
| mounting plate pump side                  | 150.062.190 |
| angled mounting plate truck side          | 150.062.193 |
| LED light Spider range                    | 590.000.343 |
| ECO module SR 20 PC <sup>2)</sup>         | 150.182.271 |

<sup>1)</sup> delivered with fastening material | <sup>2)</sup> to upgrade your existing SR 20 PC 2 pump to an SR 20 PC 2 E

Quick Fix & Release Bracket (optional)\*

- For quick and easy access to the pump in your rescue vehicle
- Saves time during rescue operations
- Saves space in rescue vehicle
- Less physical strain on rescuers when pulling out and putting back the pump

\* not for SR 20 DC 2



SPIDER RANGE PUMPS - SR 31/32



SR 31 DC 2

| specifications                         | 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                               |
| EN 13204 <sup>1)</sup>                 | MTO                     | MTO                     | MTO                                       | MTO                                       |
| NFPA 1936                              | √                       | √                       | √                                         | √                                         |
| engine                                 | petrol: 3.0 HP - 2.2 kW | petrol: 3.0 HP - 2.2 kW | electric: 230 VAC - 1.8 kW - 50 Hz - 1 Ph | electric: 230 VAC - 1.8 kW - 50 Hz - 1 Ph |
| pump type                              | 3-stage axial           | 3-stage axial           | 2 x 3-stage axial pump                    | 2 x 3-stage axial pump                    |
| number of tool connections             | 2                       | 2                       | 2                                         | 2                                         |
| length of hoses m                      | 2 x 15                  | 2 x 20                  | 2 x 15                                    | 2 x 20                                    |
| capacity oil tank cc                   | 4340                    | 4340                    | 4340                                      | 4340                                      |
| weight, ready for use <sup>2)</sup> kg | 62.0 <sup>2)</sup>      | 66.9 <sup>2)</sup>      | 70.2 <sup>3)</sup>                        | 75.1 <sup>3)</sup>                        |

<sup>1)</sup> MTO = Multiple Tool Operation | <sup>2)</sup> including hydraulic and engine oil, fuel and couplers | <sup>3)</sup> including hydraulic oil and couplers

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 the biggest rams

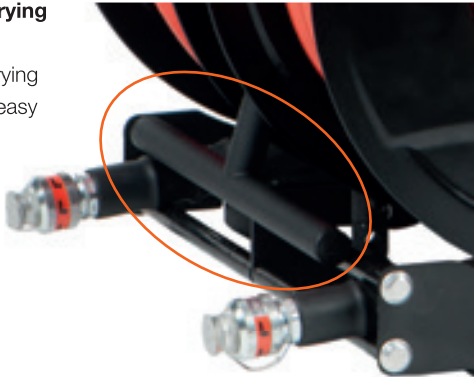
Foldable wheels set (optional)

- On W-models (not in table)
- For fast and easy transportation



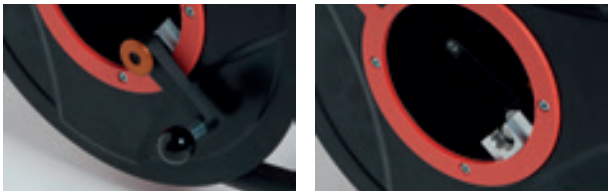
Foldable carrying handles

- For easy carrying
- Foldable for easy storage



Foldable handle for hose winding

- Saves valuable storage space in your truck
- Quick & easy to use: handle folds out and locks in one step



Hydraulic oil level indicator

- For quick and easy monitoring of oil level from the outside of the pump

SPIDER RANGE PUMPS - SR 40/41/42



SR 40 PC 4

| specifications                         | SR 40 PC 2              | SR 40 DC 2                                | SR 40 YC 2              | SR 40 PC 4              | SR 40 EC 4                              |
|----------------------------------------|-------------------------|-------------------------------------------|-------------------------|-------------------------|-----------------------------------------|
| art. no.                               | 150.152.715             | 150.152.724                               | 150.152.737             | 150.152.755             | 150.152.756                             |
| EN 13204 <sup>1)</sup>                 | MTO                     | MTO                                       | MTO                     | MTO                     | MTO                                     |
| NFPA 1936                              | √                       | √                                         | √                       | √                       | √                                       |
| engine                                 | petrol: 5.5 HP - 4.1 kW | electric: 230 VAC - 1.8 kW - 50 Hz - 1 Ph | diesel: 4.2 HP - 3.1 kW | petrol: 5.5 HP - 4.1 kW | electric: 400 VAC - 4 kW - 50 Hz - 3 Ph |
| pump type                              | 3-stage axial pump      | 2 x 3-stage axial pump                    | 2 x 3-stage axial pump  | 4 x 3-stage axial pump  | 4 x 3-stage axial pump                  |
| number of tool connections             | 2                       | 2                                         | 2                       | 4                       | 4                                       |
| capacity oil tank cc                   | 6340                    | 6340                                      | 6340                    | 6340                    | 6340                                    |
| weight, ready for use <sup>2)</sup> kg | 37.3 <sup>2)</sup>      | 41.0 <sup>3)</sup>                        | 47.0 <sup>2)</sup>      | 45.8 <sup>2)</sup>      | 54.6 <sup>3)</sup>                      |

<sup>1)</sup> MTO = Multiple Tool Operation | <sup>2)</sup> including hydraulic and engine oil, fuel and couplers | <sup>3)</sup> including hydraulic oil and couplers

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

| SR 40 - accessories                 | Art. No.    |
|-------------------------------------|-------------|
| LED light Spider range              | 590.000.343 |
| ECO module SR 40 PC 2 <sup>1)</sup> | 150.182.272 |

<sup>1)</sup> to upgrade your existing SR 40 PC 2 (S) pump to an SR 40 PC 2 E(S)

Also available with electric start

- Petrol pump S-models (not in table)
- Detachable operation panel (240 x 190 x 150 mm) incl. 3m. cable with connector
- Including battery; automatically charges when engine runs



Also available with hose reels - not in table

- 15 m (41 models) or 20 m (42 models) hoses, only on petrol / electric pumps with 2 connections
- With foldable handle for hose winding: saves valuable storage space in your rescue truck



ECO mode on SR 40 PC 2 E(S) - not in table

- For optimal reduction of noise and fuel consumption
- Less noise means less stress for patients and easier on-scene communication
- Reduced fuel consumption extends the pump's operation time

Other choices to meet your requirements

- Simultaneous operation of 2 or 4 tools
- Petrol, diesel, electric or petrol with electric start

PUMPS - HAND / FOOT / AIR



PA 18 H 2 C

| specifications                           | Single hose <sup>1)</sup> |             | CORE        |             |             |             |
|------------------------------------------|---------------------------|-------------|-------------|-------------|-------------|-------------|
|                                          | 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 | HTT 1800 UC |
| art. no.                                 | 150.142.046               | 150.142.068 | 150.142.054 | 150.142.056 | 150.142.060 | 150.142.024 |
| number of tool connections <sup>2)</sup> | 1                         | 1           | 1           | 1           | 1           | 1           |
| number of stages                         | 2                         | 2           | 2           | 2           | 2           | 3           |
| operation                                | hand                      | hand        | hand        | hand        | foot        | hand        |
| capacity oil tank      cc                | 410                       | 900         | 900         | 1800        | 1800        | 1800        |
| weight, ready for use <sup>3)</sup> kg   | 3.5                       | 4.3         | 4.9         | 7.7         | 8.5         | 17.2        |

<sup>1)</sup> for use with single acting tools only | <sup>2)</sup> EN 13204: STO = Single Tool Operation | <sup>3)</sup> including hydraulic oil and coupler



PA 09 H 2 S



HTT 1800 UC

| pump - air driven                        |  | AHS 1400 FDUC |
|------------------------------------------|--|---------------|
| art. no.                                 |  | 150.152.584   |
| number of tool connections <sup>1)</sup> |  | 1             |
| max. air pressure      bar               |  | 8             |
| capacity oil tank      cc                |  | 1400          |
| weight, ready for use <sup>2)</sup> kg   |  | 6.9           |

<sup>1)</sup> EN 13204: STO = Single Tool Operation | <sup>2)</sup> including hydraulic oil and coupler



AHS 1400 FDUC

HOSES



safety ratio all hoses  
4:1 = 2880 bar

CORE hoses 5 m.

| CORE hoses            | art. no.    | color  | length (m.) | weight (kg.) <sup>1)</sup> |
|-----------------------|-------------|--------|-------------|----------------------------|
| C 05 OU               | 150.570.042 | orange | 5           | 2.5                        |
| C 05 BU               | 150.570.045 | blue   | 5           | 2.5                        |
| C 05 GU               | 150.570.057 | green  | 5           | 2.5                        |
| C 05 ZU               | 150.570.060 | black  | 5           | 2.5                        |
| C 10 OU               | 150.570.043 | orange | 10          | 4.7                        |
| C 10 BU               | 150.570.046 | blue   | 10          | 4.7                        |
| C 10 GU               | 150.570.058 | green  | 10          | 4.7                        |
| C 10 ZU               | 150.570.061 | black  | 10          | 4.7                        |
| C 15 OU               | 150.570.044 | orange | 15          | 6.9                        |
| C 15 BU               | 150.570.047 | blue   | 15          | 6.9                        |
| C 15 GU               | 150.570.059 | green  | 15          | 6.9                        |
| C 15 ZU               | 150.570.062 | black  | 15          | 6.9                        |
| C 20 OU               | 150.570.095 | orange | 20          | 9.1                        |
| C 20 BU               | 150.570.096 | blue   | 20          | 9.1                        |
| C 20 GU               | 150.570.146 | green  | 20          | 9.1                        |
| C 20 ZU               | 150.570.225 | black  | 20          | 9.1                        |
| CORE connection hoses | art. no.    | color  | length (m.) | weight (kg.) <sup>1)</sup> |
| C 1.5 OU              | 150.570.049 | orange | 1.5         | 1                          |
| C 1.5 BU              | 150.570.050 | blue   | 1.5         | 1                          |
| C 02 OU               | 150.570.123 | orange | 2           | 1.2                        |
| C 02 BU               | 150.570.124 | blue   | 2           | 1.2                        |
| C 03 OU               | 150.570.125 | orange | 3           | 1.6                        |
| C 03 BU               | 150.570.126 | blue   | 3           | 1.6                        |
| single hoses          | art. no.    | color  | length (m.) | weight (kg.) <sup>1)</sup> |
| B 1 SOU               | 150.570.063 | orange | 1           | 1.0                        |
| B 2 SOU               | 150.572.035 | orange | 2           | 1.3                        |
| B 3 SOU               | 150.572.033 | orange | 3           | 1.6                        |
| B 3 SGU               | 150.572.034 | green  | 3           | 1.6                        |
| B 5 SOU               | 150.572.058 | orange | 5           | 2.3                        |
| B 5 SGU               | 150.572.059 | green  | 5           | 2.3                        |

<sup>1)</sup> weight with couplers and filled with oil

HOSE REELS



HR 5420 O

HR 5520 OB

| hose reels CORE (single)          | art. no.    | color | length (m.) | dimensions (mm) | weight (kg.)      |              |
|-----------------------------------|-------------|-------|-------------|-----------------|-------------------|--------------|
| HR 5415 O                         | 150.072.176 |       | 15          | 526 x 251 x 521 | 17.3              |              |
| HR 5415 B                         | 150.072.177 |       | 15          | 526 x 251 x 521 | 17.3              |              |
| HR 5420 O                         | 150.072.178 |       | 20          | 526 x 251 x 521 | 19.4              |              |
| HR 5420 O                         | 150.072.179 |       | 20          | 526 x 251 x 521 | 19.4              |              |
| hose reels CORE (double)          | art. no.    | color | length (m.) | dimensions (mm) | weight (kg.)      |              |
| HR 5515 OO                        | 150.072.180 |       | 2 x 15      | 526 x 497 x 521 | 34.7              |              |
| HR 5515 OB                        | 150.072.181 |       | 2 x 15      | 526 x 497 x 521 | 34.7              |              |
| HR 5520 OO                        | 150.072.182 |       | 2 x 20      | 526 x 497 x 521 | 38.8              |              |
| HR 5520 OB                        | 150.072.183 |       | 2 x 20      | 526 x 497 x 521 | 38.8              |              |
| hose reels CORE (electric rewind) | art. no.    | color | length (m.) | dimensions (mm) | hose reel version | weight (kg.) |
| HR 4425 ACLO                      | 150.072.067 |       | 25          | 483 x 546 x 457 | Left              | 38.0         |
| HR 4425 ACRB                      | 150.072.072 |       | 25          | 483 x 546 x 457 | Right             | 38.0         |
| HR 4430 ACLO                      | 150.072.059 |       | 30          | 483 x 546 x 457 | Left              | 40.5         |
| HR 4430 ACRB                      | 150.072.064 |       | 30          | 483 x 546 x 457 | Right             | 40.5         |

<sup>1)</sup> each length available in the colours indicated | <sup>2)</sup> weight inclusive hose with couplers and filled with oil

Foldable handle for hose rolling on single and double hose reels

- To save valuable storage space in your truck
- Quick & easy to use: handle folds out and locks in one step



HR 4425 ACLO

JACKS & WEDGES

| aluminium jacks       | HLJ 50 A 6  | HLJ 50 A 10 |
|-----------------------|-------------|-------------|
| art. no.              | 150.112.060 | 150.112.059 |
| lifting capacity      | kN / t      | 510 / 52    |
| closed height         | mm          | 150         |
| stroke                | mm          | 61          |
| weight, ready for use | kg          | 7.0         |
|                       |             | 8.7         |



| Power Wedge           | PW 5624     | HPW 4624    |
|-----------------------|-------------|-------------|
| art. no.              | 150.062.228 | 150.062.132 |
| operation             | CORE        | Hand        |
| min. insertion height | mm          | 6           |
| max. lifting height   | mm          | 51          |
| max. spreading force  | kN / t      | 235 / 24    |
| weight, ready for use | kg          | 9.2         |
| integrated lighting   | --          | √           |



HPW 4624



-Creates space for spreader or high-pressure lifting bag



PW 5624

| toe jack                        | TJ 3610     |
|---------------------------------|-------------|
| art. no.                        | 150.012.049 |
| max. capacity on saddle         | kN / t      |
| max. capacity on toe            | kN / t      |
| lifting height / plunger stroke | mm          |
| closed height                   | mm          |
| min. insertion height toe       | mm          |
| weight, ready for use           | kg          |
|                                 | 20.5        |



TJ 3610

| multi purpose cylinder set | HRK 10 M    |
|----------------------------|-------------|
| art. no.                   | 150.062.216 |
| weight, ready for use      | kg          |
|                            | 44.2        |

-Multi Purpose cylinder set with attachments, for pushing, lifting and spreading.



HRK 10 M

VARIOUS RESCUE TOOLS

| concrete crusher     |        | CC 23       |
|----------------------|--------|-------------|
| art. no.             |        | 150.012.295 |
| max. opening         | mm     | 230         |
| max. crushing force  | kN / t | 113 / 11.5  |
| shape of tip         |        | pointed     |
| weight ready for use | kg     | 19.1        |

- 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 to use in combination with mini cutter for cutting re-bar
- More silent than use of rescue saw: only pump produces sound



CC 23



A perfect combination: crushing concrete with the CC 23 and cutting re-bar with mini cutter CU 4007 C or SMC 5006



- Designed for heavy-duty work
- The crusher hardly generates any dust

| pipe squeezer            |        | HPS 60 AU   |
|--------------------------|--------|-------------|
| art. no.                 |        | 150.182.024 |
| max. squeezing force     | kN / t | 147 / 15    |
| max. outside ø pipe      | mm     | 60          |
| max. wall thickness pipe | mm     | 4.0         |
| weight, ready for use    | kg     | 8.6         |



HPS 60 AU



| cable cutters               |        | steel cable |             |             | electric cable |             |
|-----------------------------|--------|-------------|-------------|-------------|----------------|-------------|
|                             |        | HWC 16 R    | HWC 25 R    | HWC 32 R    | HCC 85 R       | HCC 100 R   |
| art. no.                    |        | 150.012.266 | 150.012.267 | 150.012.268 | 150.012.269    | 150.012.270 |
| capacity                    | kN / t | 52 / 5.3    | 146 / 14.9  | 249 / 25.4  | 49 / 5         | 87 / 8.9    |
| max. jaw opening            | mm     | 20          | 50          | 32          | 85             | 100         |
| capacity steel cable 6 x 19 | Ø mm   | 20          | 30          | 32          | -              | -           |
| capacity solid steel        | Ø mm   | 13          | 19          | 25          | -              | -           |
| capacity ground cable       | Ø mm   | 18          | 50          | 32          | 50             | 75          |
| capacity telephone cable    | Ø mm   | -           | -           | -           | 85             | 100         |
| weight, ready for use       | kg     | 2.0         | 8.4         | 8.9         | 6.8            | 12.7        |



HWC 16 R



HWC 32 R



HCC 85 R

VARIOUS RESCUE TOOLS

| special materials cutter       |        | SMC 5006    |
|--------------------------------|--------|-------------|
| art. no.                       |        | 150.012.320 |
| blade opening                  | mm     | 25          |
| max. cutting force             | kN / t | 193 / 19.7  |
| cutting capacity <sup>1)</sup> | mm     | Ø 20        |
| weight, ready for use          | kg     | 6.5         |

<sup>1)</sup> steel hardness 75 HRb



SMC 5006

| mini cutter HMC 8 U - single acting |                                                                                            | Art. no.    |
|-------------------------------------|--------------------------------------------------------------------------------------------|-------------|
| 1                                   | With fixed coupler                                                                         | 150.012.025 |
| 2                                   | With 30 cm pigtail hose; in synthetic case                                                 | 150.012.026 |
| 3                                   | 360° rotation elbow and 30 cm pigtail hose; in synthetic case                              | 150.012.027 |
| 4                                   | With 360° rotation elbow and handpump PA 04 H 2 S mounted with 2m. hose; in synthetic case | 150.142.070 |
| max. cutting force                  | kN / t                                                                                     | 79 / 8.1    |
| depth / width of jaw                | mm                                                                                         | 40 / 40     |
| weight, ready for use               | kg                                                                                         | 3.0         |



| door openers          |        | HDR 50 <sup>1)</sup> | HDO 100 <sup>2)</sup> |
|-----------------------|--------|----------------------|-----------------------|
| art. no.              |        | 150.062.016          | 150.062.007           |
| max. spreading force  | kN / t | 47 / 4.8             | --                    |
| max. pushing force    | kN / t | 51 / 5.2             | 100 / 10.2            |
| min. / max. width     | mm     | 710 / 1310           | -- / --               |
| stroke                | mm     | --                   | 130                   |
| weight, ready for use | kg     | 11.0                 | 6.7                   |

<sup>1)</sup> for pump (HTT 1250 ST) and hose, ask your local dealer

<sup>2)</sup> with rotating hose connection and handle, delivered in synthetic carrying / storage box; also available with 30 cm pigtail hose, without handle (150.062.008)



HDR 50



HDO 100



POWERSHORE

| struts with hydraulic cylinder - 100 kN / 10.1 t |             |                |                     |           |           |
|--------------------------------------------------|-------------|----------------|---------------------|-----------|-----------|
| model                                            | art. no.    | locking system | retracted length mm | stroke mm | weight kg |
| HS 1 Q 5 FL                                      | 150.011.547 | auto-lock      | 632                 | 252       | 10.3      |
| HS 1 Q 10 FL                                     | 150.011.536 | auto-lock      | 1092                | 252       | 13.0      |
| HS 1 L 5+                                        | 150.011.543 | locknut        | 575                 | 252       | 9.2       |
| HS 1 L 10+                                       | 150.011.537 | locknut        | 1035                | 252       | 11.9      |
| struts with pneumatic cylinder - 4 kN / 0.4 t    |             |                |                     |           |           |
| AS 3 Q 5 FL                                      | 150.011.546 | auto-lock      | 632                 | 252       | 8.4       |
| AS 3 Q 10 FL                                     | 150.011.545 | auto-lock      | 1092                | 252       | 11.2      |
| AS 3 L 5+                                        | 150.011.532 | locknut        | 575                 | 252       | 7.3       |
| AS 3 L 10+                                       | 150.011.531 | locknut        | 1035                | 252       | 10.1      |
| manual (mechanical) struts                       |             |                |                     |           |           |
| MS 2 L 2 +                                       | 150.011.538 | thread         | 250                 | 127       | 2,7       |
| MS 2 L 5 +                                       | 150.011.533 | locknut        | 575                 | 250       | 6.7       |

**Auto-lock:** plunger with automatic locking mechanism that locks in steps of 9 mm. Retracting the plunger is only possible after releasing the locking mechanism.

**Locknut:** plunger with thread and Locknut. When the plunger is extended the Locknut can be secured.

**Thread:** plunger with thread. When the plunger is extended the thread is self-retaining.

| extensions / connector |             |              |             |           |
|------------------------|-------------|--------------|-------------|-----------|
| model                  | art. no.    | extension mm | colour code | weight kg |
| SX 1                   | 150.011.501 | 125          | white       | 1.5       |
| SX 2                   | 150.011.502 | 250          | blue        | 1.9       |
| SX 5                   | 150.011.503 | 500          | yellow      | 2.8       |
| SX 10                  | 150.011.504 | 1000         | green       | 4.9       |
| SX 15                  | 150.011.506 | 1500         | red         | 6.4       |
| FX 1                   | 150.011.505 | -            |             | 1.4       |

**Connector FX1:** with female snap-lock system on both sides. To connect the male end of an extension with one of the heads. In this way it is possible to make a fixed shore without the use of a strut.

Operation hydraulic PowerShore

- Handpump, weight ready for use 8.9 kg



PA 09 H 2 S 10

Operation pneumatic PowerShore

- Double control unit, pressure reducer, air hoses and air bottle



One lightweight shoring and lifting system for every rescue situation



-Vehicle extrication



-Trench rescue



-Heavy vehicle rescue



-Urban search and rescue

POWERSHORE

| accessories                                                                       |  |                                                                                   |  |                                                                              |  |
|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|
| <b>Flat head</b><br>art. no.: 150.011.509                                         |  | <b>V-block head small</b><br>art. no.: 150.011.516                                |  | <b>Adjustable hook wrench</b><br>art. no.: 150.581.689                       |  |
| <b>Flat head with nailing plate</b><br>art. no.: 150.011.541                      |  | <b>V-block head large</b><br>art. no.: 150.011.522                                |  | <b>Rope with carbine hook</b><br>art. no.: 150.011.548                       |  |
| <b>Tilting head</b><br>Max. angle 45°<br>art. no.: 150.182.038                    |  | <b>Cone head</b><br>art. no.: 150.011.517                                         |  | <b>Rubber anti-roll block</b><br>art. no.: 150.113.057                       |  |
| <b>Tilting head with nailing plate</b><br>Max. angle 45°<br>art. no.: 150.182.048 |  | <b>Cross head</b><br>art. no.: 150.011.523                                        |  | <b>Storage / carrying bag accessories</b><br>art. no.: 150.011.005           |  |
| <b>Beam support head</b><br>150 mm, with nailing holes<br>art. no: 150.011.513    |  | <b>Pointed head</b><br>art. no.: 150.011.524                                      |  | <b>Storage / carrying bag struts and extensions</b><br>art. no.: 150.011.006 |  |
| <b>Beam support head</b><br>100 mm, with nailing holes<br>art. no.: 150.011.514   |  | <b>Base support plate</b><br>can support 3 swivel heads<br>art. no.: 150.011.519  |  | <b>2-way block;</b><br>to support 2 tilting heads<br>art. no.: 150.062.074   |  |
| <b>L-support head</b><br>with nailing holes<br>art. no.: 150.011.520              |  | <b>Trench support plate</b><br>to support 2 swivel heads<br>art. no.: 150.011.549 |  | <b>3-way swivel head</b><br>art. no.: 150.062.075                            |  |
| <b>Swivel head</b><br>art. no.: 150.182.046                                       |  | <b>Tensioning belt</b><br>load 10 kN<br>art. no.: 390.511.073                     |  |                                                                              |  |

Snap-lock system

-All items can be connected within seconds



Shoring at various angles possible



Reflective colour coding of extensions indicating length



See also separate PowerShore brochure and [www.holmatro.com](http://www.holmatro.com) for various advisory sets

10.1 t hydraulic lifting capacity



Lightweight

- Easy to carry  
- Easy to assemble and quick to position



RESCUE ASSIST TOOLS

| ram support |        | HRS 22      | HRS 22 NCT  |
|-------------|--------|-------------|-------------|
| art. no.    |        | 150.181.011 | 150.003.105 |
| max. load   | kN / t | 235 / 24    | 235 / 24    |
| weight      | kg     | 7.7         | 14.9        |

- Suitable for every door sill: HRS 22 NCT for wider door sills and B-pillars of new model cars
- Various positioning bars for different ramming angles
- NCT version with teeth providing grip and profiled bars to prevent tilting of the ram

| rim adapter set    |    |             |
|--------------------|----|-------------|
| art. no.           |    | 150.182.580 |
| weight, incl. case | kg | 12.4        |

- Can be used with rams RA 4321-22 C / RA 4331-32 C
- Rescuer does not have to move under the vehicle
- Can also be used to push away the steering column of a truck

| chocks & blocks |             |                       |             |
|-----------------|-------------|-----------------------|-------------|
| Set A           |             | Set B                 |             |
| art. no.        | 150.562.010 | art. no.              | 150.562.004 |
| 2 x Step chock  |             | 2 x Lock block low    |             |
| 2 x Wedge small |             | 2 x Lock block medium |             |
| 2 x Wedge large |             | 2 x Lock block high   |             |
|                 |             | 2 x Wedge small       |             |
|                 |             | 2 x Wedge large       |             |

- Made of recycled polyethylene, water- and oil-resistant
- Virtually indestructable, longer lifespan than wood
- Non-slip interlocking profile

| tool stations      |             |             |
|--------------------|-------------|-------------|
| art. no.           | 150.182.043 | 150.182.044 |
| dimensions (L x W) | cm          | 200 x 150   |
| weight             | kg          | 2.3         |
|                    |             | 3.7         |

- Durable, water- and dirt-repellent PVC coated polyester
- Foldable, so easy to carry and store

| protection shield  |    |             |
|--------------------|----|-------------|
| art. no.           |    | 150.182.045 |
| dimensions (L x W) | mm | 900 x 500   |
| weight             | kg | 2.9         |

- Ensures optimal safety for the patient
- Made of thick yet flexible PVC material
- Transparent for continuously monitoring of the patient
- With 4 handles to hold in any position

| extrication gloves |        |             |          |
|--------------------|--------|-------------|----------|
| art. no.           | size   | art. no.    | size     |
| 590.000.514        | 6 / XS | 590.000.518 | 10 / XL  |
| 590.000.515        | 7 / S  | 590.000.694 | 11 / 2XL |
| 590.000.516        | 8 / M  | 590.000.695 | 12 / 3XL |
| 590.000.517        | 9 / L  |             |          |



HRS 22 NCT

HRS 22



Set A

Set B



RESCUE ASSIST TOOLS

| V-Strut                |        |             |
|------------------------|--------|-------------|
| art. no.               |        | 150.062.158 |
| max. axial load        | kN / t | 16 / 1.6    |
| closed length          | mm     | 1080        |
| number of stroke steps |        | 24          |
| stroke step size       | mm     | 30          |
| total stroke           | mm     | 720         |
| extended length        | mm     | 1800        |
| weight                 | kg     | 7.9         |

- Vehicle stabilization strut with integrated head, base plate and tensioning belt with hook and ratchet mechanism
- All-in-one solution, no loose parts that may get lost
- Ready for immediate use
- Unique auto-lock system
- Fast set-up in just 15 seconds

| Glass-Master |    |             |
|--------------|----|-------------|
| art. no.     |    | 150.182.060 |
| weight       | kg | 1.0         |

- Delivered including a window punch and mounting clips

| airbag protection cover Secunet III |    |             |
|-------------------------------------|----|-------------|
| art. no.                            |    | 350.182.089 |
| weight                              | gr | 250         |

- Easy to install, within seconds
- For all passenger cars, modern vans, heavy goods vehicles and buses
- In synthetic storage box with wall-mounting bracket

| sharp edge protection covers |               |           | SEP 5       | SEP 10      |
|------------------------------|---------------|-----------|-------------|-------------|
| art. no.                     |               |           | 150.581.676 | 150.581.677 |
|                              | dimensions cm | weight kg | contents    | contents    |
| cover with Velcro            | 26 x 30       | 0.18      | 2 x         | 4 x         |
| blanket with magnets         | 60 x 60       | 0.52      | 2 x         | 4 x         |
|                              | 150 x 60      | 1.20      | 1 x         | 2 x         |

- Wear-resistant, fire-retardant polyester, water-repellent
- Blankets with magnets for instant attachment to a vehicle
- Washable (magnets are removable)

| Safetypen |   |             |
|-----------|---|-------------|
| art. no.  |   | 350.182.088 |
| weight    | g | 65          |

- Combination of window punch and seatbelt cutter
- Tested on 10 mm thick car windows
- Ultra sharp cutting edge

| rescue support bag |                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| art. no.           | 150.182.155                                                                                                                                            |
| consisting of:     | tyre deflator, seatbelt cutter, trim removal tools, window punch, flexible steel rule, marker pen, mini LED torch, multi-cutter, waist and thigh strap |



LIFTING BAGS



HLB 2, 6, 8



HLB 11, 16, 21, 31, 38

| lifting bags - max. working pressure 12 bar |             |                                   |                          |                           |           |
|---------------------------------------------|-------------|-----------------------------------|--------------------------|---------------------------|-----------|
| model                                       | art. no.    | max. effective lifting force kN/t | max. inflation height mm | dimensions (L x W x H) mm | weight kg |
| HLB 2                                       | 350.321.021 | 21 / 2.1                          | 94                       | 200 x 160 x 22            | 0.7       |
| HLB 6                                       | 350.321.022 | 55 / 5.6                          | 141                      | 285 x 245 x 22            | 1.6       |
| HLB 8                                       | 350.321.023 | 82 / 8.4                          | 179                      | 335 x 295 x 22            | 2.1       |
| HLB 11                                      | 350.321.025 | 110 / 11.2                        | 207                      | 403 x 325 x 25            | 3.2       |
| HLB 16                                      | 350.321.026 | 155 / 15.8                        | 236                      | 467 x 390 x 25            | 4.5       |
| HLB 21                                      | 350.321.027 | 210 / 21.4                        | 266                      | 517 x 440 x 25            | 5.6       |
| HLB 31                                      | 350.321.028 | 306 / 31.2                        | 321                      | 608 x 530 x 27            | 8.6       |
| HLB 38                                      | 350.321.030 | 370 / 37.7                        | 352                      | 662 x 585 x 27            | 10        |
| HLB 53                                      | 350.321.031 | 520 / 53                          | 411                      | 767 x 690 x 27            | 15        |
| HLB 63                                      | 350.321.032 | 620 / 63.2                        | 456                      | 827 x 750 x 27            | 17        |
| HLB 85                                      | 350.321.034 | 855/87.2                          | 550                      | 948 x 870 x 27            | 23        |
| HLB 96                                      | 350.321.033 | 940 / 95.9                        | 565                      | 987 x 910 x 27            | 25        |



LIFTING BAGS



HLB 53, 63, 85, 96

| air hoses |                  |        |                |
|-----------|------------------|--------|----------------|
| item      | description      | length | article number |
| 1         | Air hose AH 5 Y  | 5 m    | 350.570.022    |
| 2         | Air hose AH 5 B  | 5 m    | 350.570.023    |
| 3         | Air hose AH 5 O  | 5 m    | 350.570.030    |
| 4         | Air hose AH 10 Y | 10 m   | 350.570.027    |
| 5         | Air hose AH 10 B | 10 m   | 350.570.026    |
| 6         | Air hose AH 10 O | 10 m   | 350.570.031    |

| accessories |                                |                |
|-------------|--------------------------------|----------------|
| item        | description                    | article number |
| 7           | Control unit HDC 12            | 350.182.095    |
| 8           | Pressure reducer PRV 12        | 350.182.100    |
| 9           | Air control set ACS 12         | 350.182.125    |
| 10          | Shut-off hose SOH 12           | 350.182.096    |
| 11          | Air bottle 300 bar             | 350.581.096    |
| 12          | Connection piece               | 350.582.430    |
| 13          | Lifting eyes set (2 pieces) ** | 350.182.129    |
| 14          | Air adapter set AAS 12         | 151.000.223    |
| 15          | Slider pads set (3 pieces) *   | 151.000.180    |

\* Standard for models HLB 11 and up  
\*\* Optional for models HLB 31 and up



LIFTING BAGS / LEAK SEALING SYSTEMS



| lifting bags - max. working pressure 0.5 bar |             |                             |                                  |                    |                               |
|----------------------------------------------|-------------|-----------------------------|----------------------------------|--------------------|-------------------------------|
| model                                        | art. no.    | lifting capacity (a pair) t | dimensions single bag (L x W) mm | weight (a set*) kg | height deflated / inflated mm |
| LAB 4 UN                                     | 350.512.204 | 3.6                         | 600 x 600                        | 27.0               | 60 / 580                      |
| LAB 6 UN                                     | 350.512.206 | 5.8                         | 750 x 750                        | 34.0               | 60 / 580                      |
| LAB 9 UN                                     | 350.512.209 | 8.2                         | 900 x 900                        | 41.0               | 60 / 580                      |
| LAB 16 UN                                    | 350.512.216 | 14.6                        | 1200 x 1200                      | 65.0               | 60 / 580                      |

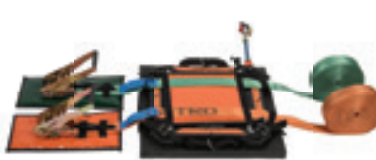
| * each set consists of |          |                                 |
|------------------------|----------|---------------------------------|
| item                   | contents | description                     |
| 1                      | 1        | Storage bag                     |
| 2                      | 2        | Lifting bag (of equal capacity) |
| 3                      | 1        | Pressure reducer                |
| 4                      | 2        | Low pressure hose               |
| 5                      | 1        | Double control unit             |
| 6                      | 1        | Repair kit                      |



| leak sealing system              |     | HVSP 250 U  |
|----------------------------------|-----|-------------|
| art. no.                         |     | 360.302.011 |
| working pressure                 | bar | 6           |
| dimensions sealing pad (L x W)   | mm  | 600 x 390   |
| dim. sealing compartment (L x W) | mm  | 250 x 50    |
| weight ready for use             | kg  | 5.3         |



| tank sealing system              |     | HLS 12      |
|----------------------------------|-----|-------------|
| art. no.                         |     | 350.582.061 |
| working pressure                 | bar | 1.5         |
| capacity lifting bag* at 1.5 bar | t   | 2           |



\* lifting bag HLB 16 to be ordered seperately, see page 50 - 51

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