

# Rescue Equipment



Made in USA

 **holmatro**  
mastering power





## MADE IN AMERICA

Holmatro has been engineering, manufacturing, and testing high-performance Holmatro Rescue Tools from its Glen Burnie, Maryland plant location since 1988. From the machining process to the laser-controlled precision work, Holmatro's manufacturing production process delivers the utmost care to detail. We're proud to be a manufacturer in this country, bringing American-made goods to market and employing US citizens.

Through our dealer network, Holmatro offers product, training, service and support to customers from Canada to Argentina. Firefighters from all over, rescue teams from FEMA, the U.S Naval Academy, the Army, Air Force and Maryland's Shock Trauma unit come to Holmatro's U.S. facility to train with the best in the industry, using the best in rescue tools.

To request a tour, call (410) 768-9662.

Holmatro is registered to internationally recognized ISO 9001 standards for quality.

|  |       |
|--|-------|
| About Holmatro . . . . .                             | 4     |
| Glen Burnie, MD Facility . . . . .                   | 5     |
| Driving Innovation . . . . .                         | 6     |
| <b>Holmatro Greenline EVO</b>                        |       |
| Holmatro Greenline EVO Features & Benefits . . . . . | 8-9   |
| Holmatro Greenline EVO Cutters. . . . .              | 10-13 |
| Holmatro Greenline EVO Spreaders . . . . .           | 14-17 |
| Holmatro Greenline EVO Combi Tools. . . . .          | 18-25 |
| Holmatro Greenline EVO Rams . . . . .                | 26-29 |
| Battery Pump . . . . .                               | 30-33 |
| Holmatro Greenline EVO Accessories . . . . .         | 34-36 |
| <b>CORE Technology™</b>                              |       |
| CORE Technology™ . . . . .                           | 38    |
| NCT™ New Car Technology . . . . .                    | 39    |
| CORE Technology™ Cutters . . . . .                   | 40-43 |
| CORE Technology™ Spreaders . . . . .                 | 44-47 |
| CORE Technology™ Combi Tools . . . . .               | 48-52 |
| CORE Technology™ Telescopic Rams . . . . .           | 53-56 |
| CORE Technology™ Rams. . . . .                       | 57-58 |
| Spider Range Pumps . . . . .                         | 59    |
| Spider Range Pumps — Harrison . . . . .              | 60    |
| Spider Range Pumps w/ECO Whisper Mode . . . . .      | 61-62 |
| Personal Power Pumps . . . . .                       | 63    |
| Specialty Pumps. . . . .                             | 64    |
| Quick Fix & Release Bracket . . . . .                | 65-66 |
| Hose Reels. . . . .                                  | 67    |
| Bulkhead Fitting . . . . .                           | 68    |
| Bulkhead Selector Valve . . . . .                    | 69    |
| Mini Cutters . . . . .                               | 70    |
| CORE Technology™ Accessories . . . . .               | 71-72 |
| <b>Rescue Assist</b>                                 |       |
| V-Strut . . . . .                                    | 74    |
| Rescue Assist Tools . . . . .                        | 75-76 |
| <b>Lifting Solutions</b>                             |       |
| High Pressure Lifting Bags . . . . .                 | 78-79 |
| Low Pressure Lifting Bags . . . . .                  | 80    |
| Lifting Solutions . . . . .                          | 81    |
| PowerShore™ Stabilization Systems . . . . .          | 82-83 |
| Lifting Solutions Accessories . . . . .              | 84-85 |
| <b>Service &amp; Training</b>                        |       |
| Service . . . . .                                    | 88-89 |
| Vehicle Extrication Techniques Series . . . . .      | 90    |
| Holmatro Rescue Experience . . . . .                 | 91    |



*With the philosophy that only harnessed power can be put to use effectively, we design our products to be innovative and of the highest quality, and above all, effective under the most adverse conditions.*

*Holmatro is a global company with manufacturing operations in the US and The Netherlands, and offices in the UK, China, and Poland. With equipment in service around the globe, Holmatro's extensive dealer network offers sales and service on every continent. For more information, visit: <http://www.holmatro.com>*



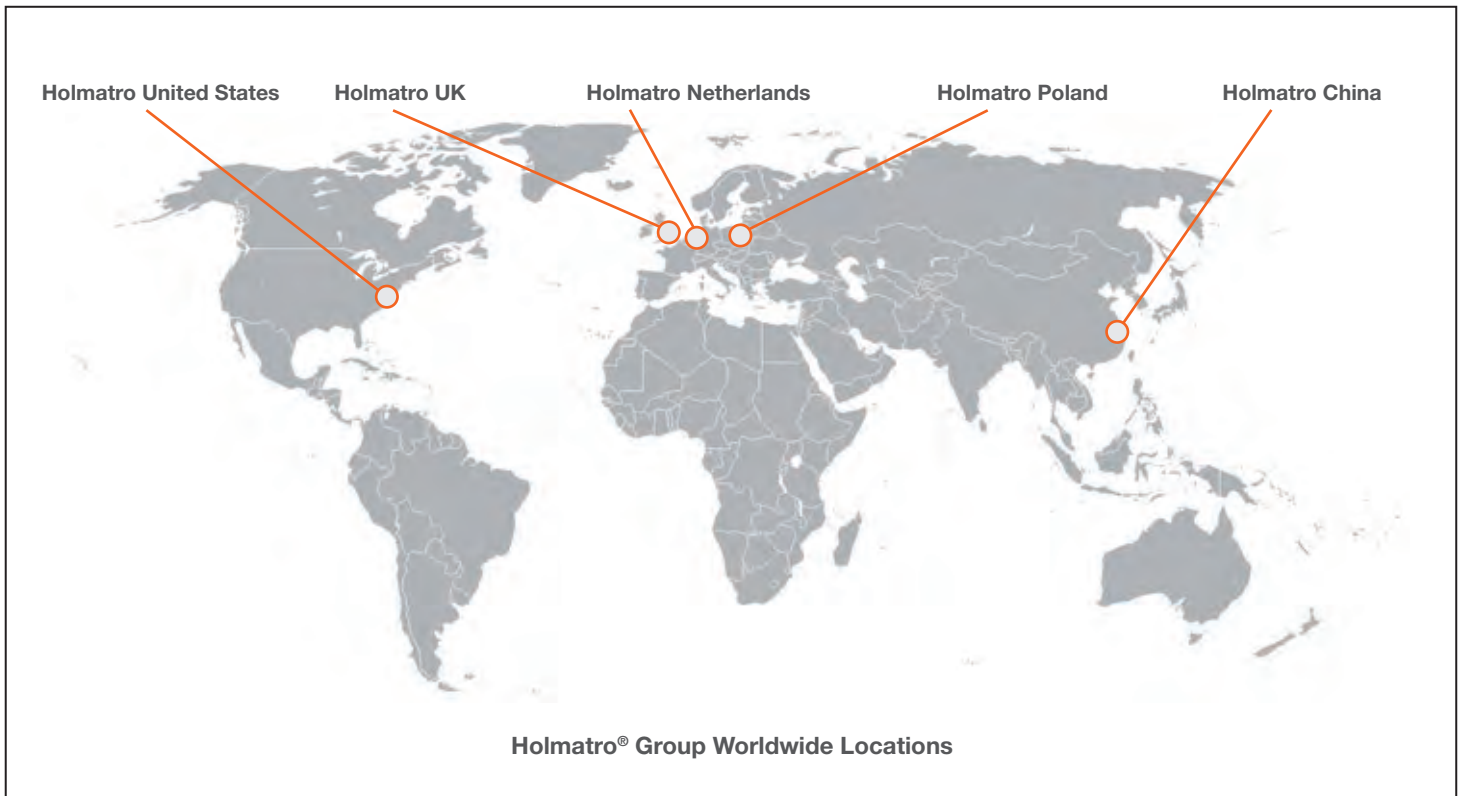
Holmatro rescue equipment is recognized worldwide for its high quality and performance. Fire & rescue departments around the globe use Holmatro rescue tools to extricate patients from motor vehicle accidents and collapsed buildings resulting from natural and man-made disasters.



Holmatro industrial equipment offers a variety of high-pressure hydraulic and pneumatic tools for spreading, lifting, bending, pulling and cutting applications. From ship building to recycling facilities and foundry operations, Holmatro's products assist customers with handling large loads and specialized cutting needs.



Holmatro special tactics equipment has been specifically developed for use by SWAT teams, other police units and Special Operations Forces. The range includes hydraulic breaching, cutting, spreading and lifting equipment for a wide variety of applications. These hydraulic tools offer new possibilities for performing tactical operations with increased power and stealth.





Holmatro is a global leader of high-pressure hydraulic tools and system solutions. In North America, the company manufactures power tools and systems for Vehicle Rescue, Emergency Response Rescue, Special Tactics and Industrial Tools and Solutions from a state-of-the-art, ISO 9001:2008 certified operation in Glen Burnie, Maryland.

Through a vast dealer network, the US facility offers product, training, service and technical support to customers from Canada to Argentina.

Holmatro operates one of the most cutting-edge machine shops in the United States, investing in highly technical machining centers to produce complex parts, economically. At Holmatro, each rescue tool is designed and manufactured to function as a complete rescue tool system.

Holmatro's ISO certification is evidence of the facility's focus on quality control and inspection procedures. Every step of the operation's manufacturing process encompasses a quality control component; for example, raw materials are tested to ensure they meet material specifications while Quality Control manages parts and final goods inspections.

Holmatro has been located in the U.S. since 1984, manufacturing high-performance rescue tools in Maryland since 1988. The company's Glen Burnie, Maryland plant offers 85,000 square feet of manufacturing and administrative space while its products and employees serve the North and South American markets.

For nearly half a century, Holmatro has been developing, producing and testing high-pressure hydraulic equipment for industrial, rescue and special tactics applications. Based on the needs of users, our products are known for their high quality and innovative technology. Holmatro sells and services these products through various countries and an extensive dealer network.

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

For additional information on Holmatro's US facility, please visit [www.holmatro.com](http://www.holmatro.com) or call **(410) 768-9662**.



*Holmatro is dedicated to fostering innovation by conducting what is essentially anthropological research — shadowing end-users on actual job sites and in their workshops to see how and why tools are used, misused or neglected — to identify gaps and frustrations where refinements and new tools would come in handy.*

*Since its inception, Holmatro has released a steady stream of breakthrough products. . . and the pipeline is full of more. These range from new lines of tools to compact, lightweight tools that reset the standards of quality and utility in the industry.*

**Inclined Cutter**

The Inclined Cutter is part of Holmatro’s innovative 5<sup>th</sup> generation cutters. Lighter and more ergonomic than ever, no compromise on performance, and equipped with many user-friendly benefits. Inclined cutting is a completely new, revolutionary cutting technology. Extricating patients under challenging conditions has just become safer, quicker and easier than ever. Equipped with a unique **30 degree angled jaw**, the new Holmatro Inclined Cutter improves user comfort and maximizes working space.



The Inclined Cutter offers 30 degrees more working space between the tool and the car and leaves more room for tool movement, which enhances patient safety and eliminates the need for repeated cutter repositioning. And, the inclined cutter eliminates the need to lift the tool above your head or to bend over severely. It also leaves more space for the tool to move when cutting pillars from the side.

**5000 Series Telescopic Rams**

The most important goal in the development of our 5000 series telescopic rams was weight reduction, without compromising tool performance. The result? Three telescopic rams that are lighter and longer than ever, with more power added to the 2nd plunger, where you need it the most.



All models are ergonomically designed, with new carrying and control handles for better grip. In addition, LED lights at both the front and back of the tool ensure that you always have a well-lit working area. Finally, an **integrated laser pointer** for “first-time-right” positioning provides a visible indicator of where your ram head will contact the vehicle once extended. This not only saves time, but is safer for the patient. So no matter what challenges you encounter, our new telescopic rams will help you do your job safer, quicker and easier.

**CORE Technology™**

A CORE system consists of only one hose: a high pressure inner hose surrounded and protected by a low pressure outer hose. What makes this coaxial hose design possible is our patented CORE coupler. This coupler has a built-in, automatic return valve that eliminates the need for a dump valve on the pump. Switch tools any time: Simply connect the hose and you’re ready to go!



CORE Technology™ is a revolutionary turning point in rescue tool technology. More than just a tool, hose or pump it is a hydraulic system that fundamentally changes the extrication process. When lives are at stake, it’s all about speed and safety. Compared to working with a traditional system, working with CORE is safer, quicker & easier. Once you try CORE Technology™ and discover its unprecedented benefits, you will not want to go back to a traditional system.



# Holmatro Greenline EVO



# Features & benefits

This is what makes the Greenline EVO series so unique



## Simple, efficient design

- Battery on top of tool for quick & easy change, even in narrow spaces



## State-of-the-art battery technology

- Latest lithium-ion technology
- High battery capacity for maximum output
- Low self-discharge rate for long battery life
- No memory effect
- LED indicator showing battery capacity





### Emission-free

- No fumes: better for rescuers and patients
- Ideal for use in confined and/or underground spaces like buses, trains, tunnels and collapsed buildings
- Environmentally-friendly



### Weatherproof

- Suitable for use at low temperatures, down to -4°F (-20°C)
- Suitable for use in wet weather conditions
- Protection rate: IP54



### Control handle in central position on back of tools

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



↓ FEATURES & BENEFITS



## Greenline battery-powered cutters GCU 5060 EVO and GCU 5060i EVO: Superior cutting performance, lowest noise level

### Excellent cutting performance on new cars

- U-shaped blade pulls even the widest material into the cutting recess, allowing it to be cut at the strongest point of the cutter
- Equipped with the i-Bolt which squeezes the blades together directly (thus more tightly) for less blade separation and an improved cutting performance
- Specially developed for use on the latest car models: More than theoretical cutting forces, innovative tool design enables the best cutting performance



### Lowest sound level

- Less stressful for patients
- Easier communication between rescuers and patients

### Powered by lithium-ion battery technology

- High battery capacity for long operation time
- Low self-discharge rate for long battery life
- No memory effect
- LED indicator shows battery capacity during use; when tool is switched off or when battery is not on tool, press button on battery to check charge level
- Battery 100% rechargeable in 60 minutes
- Easy click-on/click-off system on top to change battery with one hand, within seconds



### Emission-free

- No fumes from a pump: healthier for rescuers and patients
- Ideal for use in confined and/or underground spaces like tunnels, buses, trains and collapsed buildings
- Environmentally friendly



↓ FEATURES & BENEFITS



**Ergonomic and user-friendly**

- Well-balanced
- Control handle always within reach on back of tools, so you can rotate them freely while your hand stays in the same position
- Battery on top of tools: Easy to change, even in narrow spaces

**All weather conditions**

- Suitable for use at below zero temperatures, up to -4°F (-20°C)
- Suitable for use in wet weather conditions

**Self-contained**

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

**Equipped with i-Bolt**

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

**Carrying handle with integrated LED lighting**

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



***INCLINED*** CUTTING

# THE 30° REVOLUTION





## ↓ SPECIFICATIONS

| Model  |  |          | GCU 5030 CL EVO                      |      | GCU 5030i CL EVO                     |      | GCU 5050 EVO                         |       | GCU 5050i EVO                         |       |
|--|--|----------|--------------------------------------|------|--------------------------------------|------|--------------------------------------|-------|---------------------------------------|-------|
| article number                                       |  |          | 158.052.209                          |      | 158.052.124                          |      | 158.052.098                          |       | 158.052.099                           |       |
| operator type  |  |          | battery                              |      |                                      |      |                                      |       |                                       |       |
| max. working pressure                                |  | psi/ bar | 10,443 / 720                         |      |                                      |      |                                      |       |                                       |       |
| max. cutting opening                                 |  | in mm    | 6.7                                  | 170  | 6.7                                  | 170  | 7.2                                  | 182   | 7.2                                   | 182   |
| max. force   |  | lbf kN   | 130,164                              | 579  | 123,420                              | 549  | 317,430                              | 1,412 | 312,260                               | 1,389 |
| weight excl. battery                                 |  | lb kg    | 32.0                                 | 14.5 | 32.0                                 | 14.5 | 45.4                                 | 20.6  | 46.1                                  | 20.9  |
| weight, ready for use                                |  | lb kg    | 34.2                                 | 15.5 | 34.2                                 | 15.5 | 47.6                                 | 21.6  | 48.3                                  | 21.9  |
| dimensions (L x W x H)                               |  | in mm    | 32.5 x 10.8 x 7.4<br>825 x 275 x 188 |      | 32.4 x 10.9 x 9.9<br>823 x 277 x 252 |      | 34.9 x 10.9 x 7.7<br>887 x 277 x 196 |       | 35.4 x 11.7 x 10.6<br>898 x 298 x 268 |       |
| temperature range                                    |  |          | -4°F to +131°F (-20°C to +55°C)      |      |                                      |      |                                      |       |                                       |       |
| sound emission at 13 ft/ 3.25 ft<br>(4 m/1 m) loaded |  | dB(A)    | 70/79                                |      |                                      |      |                                      |       |                                       |       |
| NFPA 1936 2015 classification                        |  |          | A6/B5/C6/D6/E6                       |      |                                      |      | A8/B8/C7/D9/E9                       |       |                                       |       |

| Model  |  |          | GCU 5060 EVO                         |       | GCU 5060i EVO                         |       |
|--|--|----------|--------------------------------------|-------|---------------------------------------|-------|
| article number                                       |  |          | 158.052.211                          |       | 158.052.162                           |       |
| operator type  |  |          | battery                              |       |                                       |       |
| max. working pressure                                |  | psi/ bar | 10,443 / 720                         |       |                                       |       |
| max. cutting opening                                 |  | in mm    | 8.1                                  | 205   | 8.1                                   | 205   |
| max. force   |  | lbf kN   | 403,082                              | 1,793 | 396,788                               | 1,765 |
| weight excl. battery                                 |  | lb kg    | 54.2                                 | 24.6  | 54.7                                  | 24.8  |
| weight, ready for use                                |  | lb kg    | 56.4                                 | 25.6  | 56.9                                  | 25.8  |
| dimensions (L x W x H)                               |  | in mm    | 37.2 x 10.9 x 7.9<br>945 x 278 x 200 |       | 37.8 x 13.5 x 11.2<br>960 x 342 x 285 |       |
| temperature range                                    |  |          | -4°F to +131°F (-20°C to +55°C)      |       |                                       |       |
| sound emission at 13 ft/ 3.25 ft<br>(4 m/1 m) loaded |  | dB(A)    | 70/79                                |       |                                       |       |
| NFPA 1936 2015 classification                        |  |          | A9/B9/C9/D9/E9                       |       |                                       |       |



↓ FEATURES & BENEFITS



**User, patient and environmentally-friendly with excellent performance: introducing the battery powered Greenline spreader series from Holmatro. Three 5000 series models are available: GSP 5240 CL EVO, GSP 5240 EVO and GSP 5250 EVO.**

**Optimum freedom of movement**

Greenline models are self-contained and not connected to a pump. So, they offer true optimal freedom of movement.

**Low noise levels**

Low noise levels reduce stress for patients and do not hinder communication at the rescue scene.

**Use in all weather conditions**

Suitable for use in all weather conditions, extreme precipitation, and temperatures down to -4 °F (-20°C).

**Emission-free**

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

**Battery on top of tool**

The battery has been positioned on the tool in such a way that exchanging it is quick and easy, even in confined spaces.

**Advanced battery technology**

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





↓ FEATURES & BENEFITS



**Spreader GSP 5240 CL EVO**

- Weight incl. battery 34.8 lb (15.8 kg)
- Minimum spreading force\* 7,868 lbf (35 kN)
- Spreading distance 20.1 in (510 mm)

**Spreader GSP 5240 EVO**

- Weight incl. battery 45.6 lb (20.7 kg)
- Minimum spreading force\* 8,543 lbf (38 kN)
- Spreading distance 28.5 in (725 mm)

**Spreader GSP 5250 EVO**

- Weight incl. battery 48.7 lb (22.1 kg)
- Minimum spreading force\* 10,341 lbf (46 kN)
- Spreading distance 28.5 in (725 mm)

\* this is the minimum spreading force you will always have at your disposal, measured at the top of the spreading tips over the full spreading distance









## ↓ SPECIFICATIONS

| Model                                 |          |    | GSP 5240 CL EVO                      |       | GSP 5240 EVO                         |       | GSP 5250 EVO                       |       |
|---------------------------------------|----------|----|--------------------------------------|-------|--------------------------------------|-------|------------------------------------|-------|
| article number                        |          |    | 158.052.100                          |       | 158.052.101                          |       | 158.052.102                        |       |
| operator type                         |          |    | battery                              |       |                                      |       |                                    |       |
| max. working pressure                 | psi/ bar |    | 10,443/ 720                          |       |                                      |       |                                    |       |
| spreading distance                    | in       | mm | 20.1                                 | 510   | 28.5                                 | 725   | 28.5                               | 725   |
| performance/weight ratio*             | lbf      | kN | 6,922                                | 1,722 | 9,836                                | 2,452 | 12,709                             | 3,168 |
| max. spreading force                  | lbf      | kN | 29,450                               | 131   | 62,947                               | 280   | 82,280                             | 366   |
| max. spreading force (NFPA 1936, HSF) | lbf      | kN | 11,915                               | 53    | 15,737                               | 70    | 21,806                             | 97    |
| min. spreading force (NFPA 1936, LSF) | lbf      | kN | 7,868                                | 35    | 8,543                                | 38    | 10,341                             | 46    |
| max. pulling force (NFPA 1936, HPF)   | lbf      | kN | 10,566                               | 47    | 10,566                               | 47    | 15,062                             | 67    |
| min. pulling force (NFPA 1936, LPF)   | lbf      | kN | 5,395                                | 24    | 5,620                                | 25    | 6,969                              | 31    |
| max. squeezing force                  | lbf      | kN | 10,566                               | 47    | 13,264                               | 59    | 30,349                             | 135   |
| pulling distance                      | in       | mm | 15.5                                 | 393   | 24                                   | 610   | 24                                 | 610   |
| max. pulling force                    | lbf      | kN | 10,566                               | 47    | 10,566                               | 47    | 15,062                             | 67    |
| weight, excl. battery                 | lb       | kg | 32.6                                 | 14.8  | 43.4                                 | 19.7  | 46.5                               | 21.1  |
| weight, ready to use                  | lb       | kg | 34.8                                 | 15.8  | 45.6                                 | 20.7  | 48.7                               | 22.1  |
| dimensions (L x W x H)                | in       | mm | 32.2 x 10.9 x 8.1<br>819 x 277 x 205 |       | 37.5 x 11.3 x 8.5<br>952 x 286 x 216 |       | 38 x 11.3 x 8.5<br>964 x 286 x 216 |       |
| temperature range                     |          |    | -4°F to +131°F (-20°C to +55°C)      |       |                                      |       |                                    |       |
| NFPA 1936 2015 compliant              |          |    | Yes                                  |       | Yes                                  |       | Yes                                |       |

\*Performance/weight ratio = NFPA HSF X Spreader Opening/Weight



↓ FEATURES & BENEFITS



## Greenline battery-powered combi tools GCT 5111 EVO and GCT 5117 EVO: Lower weight, smaller size, high performance

### Compact & lightweight

- Weights including battery only 30.2 lb and 31.7 lb
- Easy to carry, handle, transport and store
- Ideal for use in confined spaces



### Optimal performance to weight ratio

- Extremely high spreading force compared to size and weight (model GCT 5111 EVO)
- Extremely high spreading distance compared to size and weight (model GCT 5117 EVO)
- High cutting force compared to size and weight (both models)

### Self-contained

- Provides optimal freedom of movement
- Rapid deployment: Simply press the start button and start working

### Powered by lithium-ion battery technology

- High battery capacity for long operation time
- Low self-discharge rate for long battery life
- No memory effect
- LED indicator shows battery capacity during use; when tool is switched off or when battery is not on tool, press button on battery to check charge level
- Battery 100% rechargeable in 60 minutes
- Easy click-on/click-off system on top to change battery with one hand, within seconds

### Emission-free

- No fumes from a pump: healthier for rescuers and patients
- Ideal for use in confined and/or underground spaces like tunnels, buses, trains and collapsed buildings
- Environmentally friendly



↓ FEATURES & BENEFITS



**Lowest sound level**

- Less stressful for patients
- Easier communication between rescuers and patients
- Equipment produces no sound when idle



**Ergonomic and user-friendly**

- Well-balanced
- Control handle always within reach on back of tools, so you can rotate them freely while your hand stays in the same position
- Battery on top of tools: Easy to change, even in narrow spaces

**All weather conditions**

- Suitable for use at below zero temperatures, up to -4°F (-20°C)
- Suitable for use in wet weather conditions

**Multi-functional**

- One tool for cutting, spreading and squeezing
- Model GCT 5117 EVO also suitable for pulling
- Suitable for lightweight cutting operations such as RIT and USAR
- Compact design ideal for confined spaces
- Your choice: GCT 5111 EVO for highest spreading force, GCT 5117 EVO for highest spreading distance



**Equipped with i-Bolt**

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

**Carrying handle with integrated LED lighting**

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





## ↓ SPECIFICATIONS

| Model  |          | GCT 5111 EVO                       |       | GCT 5117 EVO                     |      |
|--|----------|------------------------------------|-------|----------------------------------|------|
| article number                                   |          | 158.052.089                        |       | 158.052.092                      |      |
| operator type                                    |          | battery                            |       |                                  |      |
| max. working pressure                            | psi/ bar | 10,443/ 720                        |       |                                  |      |
| performance/weight ratio*                        | lbf kN   | 4,297                              | 1,067 | 3,858                            | 958  |
| spreading distance                               | in mm    | 11.1                               | 281   | 17                               | 431  |
| max. spreading force                             | lbf kN   | 102,738                            | 457   | 12,140                           | 54   |
| max. spreading force (NFPA 1936, HSF)            | lbf kN   | 11,690                             | 52    | 7,194                            | 32   |
| min. spreading force (NFPA 1936, LSF)            | lbf kN   | 8,992                              | 40    | 5,620                            | 25   |
| max. pulling force (NFPA 1936, HPF)              | lbf kN   | —                                  | —     | 6,070                            | 27   |
| min. pulling force (NFPA 1936, LPF)              | lbf kN   | —                                  | —     | 4,047                            | 18   |
| max. cutting opening                             | in mm    | 7.7                                | 196   | 13.9                             | 352  |
| max. cutting force                               | lbf kN   | 46,311                             | 206   | 45,861                           | 204  |
| max. squeezing force                             | lbf kN   | 9,892                              | 44    | 6,070                            | 27   |
| pulling distance                                 | in mm    | —                                  | —     | 16.8                             | 426  |
| max. pulling force                               | lbf kN   | —                                  | —     | 6,744                            | 30   |
| weight excl. battery                             | lb kg    | 28.9                               | 13.1  | 30.4                             | 13.8 |
| weight, ready for use                            | lb kg    | 31.1                               | 14.1  | 32.6                             | 14.8 |
| dimensions (L x W x H)                           | in mm    | 26.8 x 11 x 8.2<br>680 x 279 x 208 |       | 30.6 x 11 x 8<br>778 x 279 x 204 |      |
| temperature range                                |          | -4°F to +131°F (-20°C to +55°C)    |       |                                  |      |
| sound emission at 13 ft/3.25 ft (4 m/1 m) loaded | dB(A)    | 66/75                              |       |                                  |      |
| NFPA 1936 2015 classification                    |          | A5/B5/C5/D6/E4                     |       | A5/B5/C4/D6/E4                   |      |

\*Performance/weight ratio = NFPA HSF X Spreader Opening/Weight



↓ FEATURES & BENEFITS



## Greenline battery-powered combi tools GCT 4120 EVO and GCT 4150 EVO: Eco-friendly, ergonomic, lowest noise level

### Powered by lithium-ion battery technology

- High battery capacity for long operation time
- Low self-discharge rate for long battery life
- No memory effect
- No power consumption when idle
- LED indicator shows battery capacity during use; when tool is switched off or when battery is not on tool, press button on battery to check charge level
- Battery 100% rechargeable in 60 minutes
- Easy click-on/click-off system on top to change battery with one hand, within seconds

### Emission-free

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

### Ergonomic and user-friendly

- Well-balanced
- Control handle always within reach on back of tools, so you can rotate them freely while your hand stays in the same position
- Battery on top of tools: Easy to change, even in narrow spaces

### Lowest sound level

- Less stressful for patients
- Easier communication between rescuers and patients
- Equipment produces no sound when idle

### Self-contained

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





↓ FEATURES & BENEFITS



**All weather conditions**

- Suitable for use at below zero temperatures, up to -4°F (-20°C)
- Suitable for use in wet weather conditions

**Multi-functional**

- One tool for cutting, spreading, squeezing and pulling
- Suitable for a variety of operations, from vehicle rescue to USAR

**Equipped with i-Bolt (model GCT 4150 EVO)**

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

**Carrying handle with integrated LED lighting**

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









## ↓ SPECIFICATIONS

| Model  |          |    | GCT 4120 EVO                         |      | GCT 4150 EVO                         |      |
|--|----------|----|--------------------------------------|------|--------------------------------------|------|
| article number                                   |          |    | 158.052.095                          |      | 158.052.096                          |      |
| operator type                                    |          |    | battery                              |      |                                      |      |
| max. working pressure                            | psi/ bar |    | 10,443/ 720                          |      |                                      |      |
| performance/weight ratio*                        | lbf      | kN | —                                    | —    | 2,439                                | 606  |
| spreading distance                               | in       | mm | 10.6                                 | 268  | 14.2                                 | 360  |
| max. spreading force                             | lbf      | kN | 11,690                               | 52   | 47,435                               | 211  |
| max. spreading force (NFPA 1936, HSF)            | lbf      | kN | —                                    | —    | 7,541                                | 33.5 |
| min. spreading force (NFPA 1936, LSF)            | lbf      | kN | —                                    | —    | 6,598                                | 29   |
| max. pulling force (NFPA 1936, HPF)              | lbf      | kN | —                                    | —    | 14,358                               | 63.9 |
| min. pulling force (NFPA 1936, LPF)              | lbf      | kN | —                                    | —    | 8,230                                | 36.6 |
| max. cutting opening                             | in       | mm | 7.5                                  | 191  | 9                                    | 229  |
| max. cutting force                               | lbf      | kN | 49,008                               | 218  | 85,427                               | 380  |
| max. squeezing force                             | lbf      | kN | 10,341                               | 46   | 17,085                               | 76   |
| pulling distance                                 | in       | mm | 7.1                                  | 181  | 16.4                                 | 416  |
| max. pulling force                               | lbf      | kN | 13,713                               | 61   | 14,358                               | 63.9 |
| weight excl. battery                             | lb       | kg | 30.6                                 | 13.9 | 41.9                                 | 19.0 |
| weight, ready for use                            | lb       | kg | 32.8                                 | 14.9 | 44.1                                 | 20.0 |
| dimensions (L x W x H)                           | in       | mm | 31.1 x 11.2 x 7.9<br>789 x 285 x 201 |      | 35.4 x 10.8 x 8.1<br>900 x 275 x 205 |      |
| temperature range                                |          |    | -4°F to +131°F (-20°C to +55°C)      |      |                                      |      |
| sound emission at 13 ft/3.25 ft (4 m/1 m) loaded | dB(A)    |    | 70/79                                |      | 65/74                                |      |
| NFPA 1936 2015 classification                    |          |    | —                                    |      | A7/B8/C6/D7/E7                       |      |

\*Performance/weight ratio = NFPA HSF X Spreader Opening/Weight



↓ FEATURES & BENEFITS



## Greenline battery-powered rams GRA 4321 EVO and GRA 4331 EVO: High spreading force, lowest sound level

### High performance

- High spreading force of 36,194 lbf (161 kN) on both models

### Lowest sound level

- Less stressful for patients
- Easier communication between rescuers and patients

### Powered by lithium-ion battery technology

- High battery capacity for long operation time
- Low self-discharge rate for long battery life
- No memory effect
- No power consumption when idle
- LED indicator shows battery capacity during use; when tool is switched off or when battery is not on tool, press button on battery to check charge level
- Battery 100% rechargeable in 60 minutes
- Easy click-on/click-off system on top to change battery with one hand, within seconds





## ↓ FEATURES & BENEFITS

### Ergonomic and user-friendly

- Well-balanced
- Control handle always within reach



### Emission-free

- No fumes from a pump: healthier for rescuers and patients
- Ideal for use in confined and/or underground spaces like tunnels and parking garages
- Environmentally friendly

### Carrying handle with integrated LED lighting

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



### Self-contained

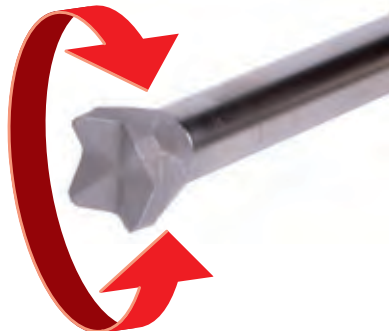
- For optimal freedom of movement
- Rapid deployment: Simply press the start button and start working

### All weather conditions

- Suitable for use at below zero temperatures, up to -4 °F (-20°C)
- Suitable for use in wet weather conditions

### Rotating cross heads

- Easy positioning and perfect grip in every situation
- Rotates even when under pressure
- Heads are non-threaded "quick attach" and can be rotated out of the way of the rescuer to allow better access



### Ram Extensions

- Three different sizes to bridge large lengths
- Easily connectible to the fixed side of the rams



### Wide variety of other accessories

- Including different heads, a base plate, ram supports and pulling accessories
- To increase your options in various rescue situations





↓ SPECIFICATIONS

| Model  | GRA 4321 EVO                    |                                      | GRA 4331 EVO                         |  |
|--|---------------------------------|--------------------------------------|--------------------------------------|--|
| article number                                   | 158.052.103                     |                                      | 158.052.104                          |  |
| operator type                                    | battery                         |                                      |                                      |  |
| number of plungers                               | 1                               |                                      |                                      |  |
| max. working pressure                            | psi/ bar                        | 10,443/ 720                          |                                      |  |
| spreading force over full stroke                 | lbf/ kN                         | 36,194/ 161                          |                                      |  |
| max. spreading force (NFPA 1936, HSF)            | lbf/ kN                         | 36,460/ 162                          |                                      |  |
| min. spreading force (NFPA 1936, LSF)            | lbf/ kN                         | 36,460/ 162                          |                                      |  |
| max. pulling force (NFPA 1936, HPF)              | lbf/ kN                         | 11,265/ 50                           |                                      |  |
| min. pulling force (NFPA 1936, LPF)              | lbf/ kN                         | 11,265/ 50                           |                                      |  |
| spreading / pulling stroke                       | in mm                           | 9.8 250                              | 13.8 350                             |  |
| retracted length                                 | in mm                           | 23.3 593                             | 27.2 691                             |  |
| extended length                                  | in mm                           | 33.2 843                             | 41 1,041                             |  |
| pulling force over full stroke                   | lbf/ kN                         | 11,265/ 50.1                         |                                      |  |
| weight excl. battery                             | lb kg                           | 38.8 17.6                            | 42.1 19.1                            |  |
| weight, ready for use                            | lb kg                           | 41 18.6                              | 44.3 20.1                            |  |
| dimensions (L x W x H)                           | in mm                           | 23.3 x 17.8 x 9.4<br>591 x 452 x 239 | 27.2 x 17.8 x 9.4<br>697 x 452 x 239 |  |
| temperature range                                | -4°F to +131°F (-20°C to +55°C) |                                      |                                      |  |
| sound emission at 13 ft/3.25 ft (4 m/1 m) loaded | dB(A)                           | 70/79                                |                                      |  |
| NFPA 1936 2015 compliant                         | Yes                             |                                      |                                      |  |



## ↓ FEATURES & BENEFITS

# Greenline battery pump SPU 16 BC: The first pump using next-generation battery technology

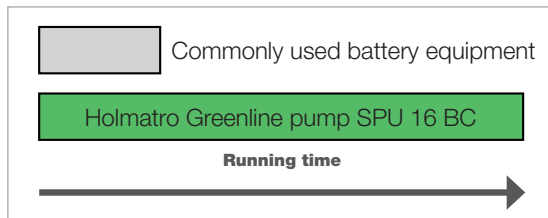
### Next-generation lithium-ion battery technology

- High capacity for long running time
- Same tool performance as other rescue pumps, in all types of weather
- Can be used at high altitudes (>3,200 ft)
- Battery can be exchanged in seconds
- Low self-discharge rate for long battery life



### 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



### Emission-free

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



### Weatherproof

- Suitable for use at below zero temperatures  
Temperature range: -4°F to +131°F (-20°C to +55°C)
- Suitable for use in wet weather conditions

### CORE technology

- Single hose, single coupler system
- For safer, faster and easier use of rescue tools





## ↓ FEATURES & BENEFITS



### ECO whisper mode

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

### Low noise level

- Less stressful for patients
- Easier communication between rescuers and patients

### Connects to all current Holmatro rescue equipment

- Enables the same powerful tool performance as other rescue pumps
- Can power any telescopic ram, spreader, combi tool or cutter



### Compact and lightweight

- Easy to carry by one person
- Easy to store

### 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



### “Press & Go”

- Simply press the start button and you are ready to go
- Saves time when every second counts

### LED lights above the valve block

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



### LED battery 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

### Various convenient charging options

- In docking station or inside rescue vehicle, even when the battery is still in the pump





## ↓ SPECIFICATIONS

| Model  |                                 |          | SPU 16 BC  |                 |
|--|---------------------------------|----------|--|-----------------|
| equipped with (connector type)                         |                                 |          | CORE technology  |                 |
| article number (excl. battery)                         |                                 |          | 158.152.188  |                 |
| number of tool connections                             |                                 |          | 1  |                 |
| working pressure                                       | psi                             | bar      | 10,443   | 720             |
| motor  |                                 |          | 36 VDC, 940 W  |                 |
| pump type  |                                 |          | 3-stage axial  |                 |
| effective oil capacity                                 | oz                              | ml       | 57.5   | 1,700           |
| output 1st stage (0 - 1885 psi)                        | oz / min                        | cc / min | 91.3   | 2,700           |
| output 2nd stage (1885 - 4061 psi)                     | oz / min                        | cc / min | 40.6   | 1,200           |
| output 3rd stage (4061 - 10443 psi)                    | oz / min                        | cc / min | 15.2   | 450             |
| continuous operation                                   | per battery                     |          | 70 minutes continuous spread/cut tool use, 140 minutes during common vehicle extrications, 180 minutes unloaded (idle) |                 |
| weight, ready for use, including battery <sup>1)</sup> | lb                              | kg       | 38.4   | 17.4            |
| dimensions (L x W x H)                                 | in                              | mm       | 20.9 x 9.9 x 15.3  | 530 x 252 x 388 |
| sound emission at 3.25 ft (loaded)                     | dB(A)                           |          | 75   |                 |
| sound emission (unloaded)                              | dB(A)                           |          | 67   |                 |
| temperature range                                      | -4°F to +131°F (-20°C to +55°C) |          |  |                 |
| 3-stage pump technology                                | ✓                               |          |  |                 |
| ECO whisper mode                                       | ✓                               |          |  |                 |
| battery level indicator                                | ✓                               |          |  |                 |
| LED lighting above CORE coupler                        | ✓                               |          |  |                 |
| oil level gauge  | ✓                               |          |  |                 |
| charger connector                                      | ✓                               |          |  |                 |
| NFPA 1936 2015 compliant                               | Yes                             |          |  |                 |

<sup>1)</sup> inclusive hydraulic oil and coupler

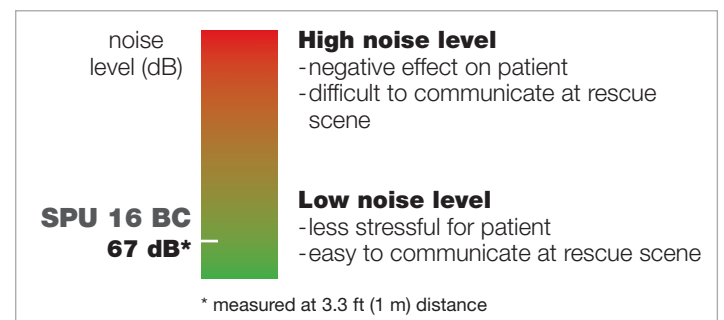
### 3-stage pump technology for faster operation and greater control

The Holmatro Greenline pump incorporates 3-stage pump technology. This innovative system delivers higher flow in the second stage enabling you to cut through the B-pillar of an older model car in half the time it takes a 2-stage pump. The third stage delivers lower flow at higher pressure allowing you to cut through hard, reinforced pillars in a controlled way. The result is faster tool operation and more control when you need it.



### ECO whisper mode for low noise and reduced power consumption

When you use a hydraulic rescue tool with the Holmatro Greenline, the pump speed automatically increases to maximum to ensure full equipment performance. When you finish using the tool, the engine reverts to ECO whisper mode which keeps the pump running at idle speed and a low noise level. This not only reduces power consumption, a quieter pump is also less stressful for patients and improves communication at the rescue scene. And because you don't have to switch off the pump in between operations, it's readily available for use again.



**Greenline EVO— Cutters, Spreaders, Combi Tools, Rams**

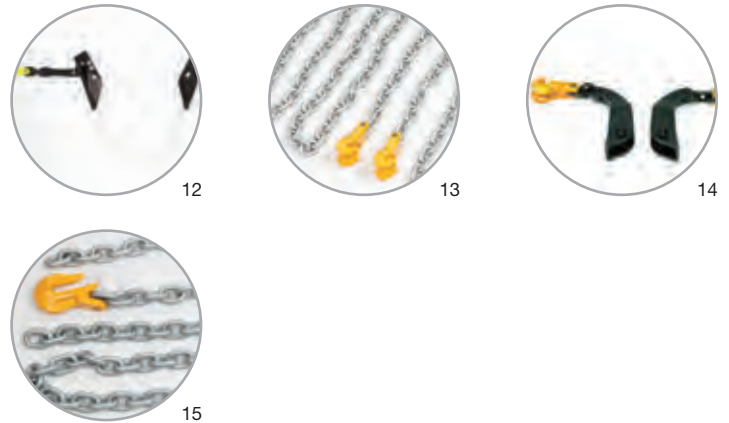
| Item                                      | Article Number |
|---|----------------|
| 1 Battery 5 Ah - 28 V                     | 150.006.208    |
| 2 Battery 3 Ah - 28 V                     | 150.005.823    |
| 3 Battery Charger BCH 1, 220-240 V        | 150.182.208    |
| 4 Battery Charger BCH 2, 100-120 V        | 150.182.209    |
| 5 Battery Charger BCH 3, 12-24 V          | 150.182.286    |
| 6 Mains Power Connector BMC 1*, 220-240 V | 150.182.206    |
| 7 Mains Power Connector BMC 2*, 100-120 V | 150.182.207    |
| 8 Battery pouch                           | 158.553.010    |
| 9 Carrying harness                        | 150.553.115    |
| 10 Carrying strap                         | 158.553.046    |
| 11 Carrying/storage bag                   | 158.553.045    |

\* Mains cable length: 8 ft - 2.5 m, tool cable length: 26 ft - 8 m



**Combi Tools**

| Item                       | Article Number |
|----------------------------|----------------|
| <b>GCT 5117 EVO</b>        |                |
| 12 Pulling attachments set | 150.182.241    |
| 13 Pulling chains set      | 150.582.548    |
| <b>GCT 4150 EVO</b>        |                |
| 14 Pulling attachments set | 158.582.004    |
| 15 Pulling chains set      | 158.582.001    |





### Spreaders

| Item |  | Article Number |
|------|--|----------------|
| 16   | Cutting tips, set for GSP 5240/5250 EVO  | 150.006.474    |
| 17   | Pulling attachments, set for GSP 5240 CL EVO   | 150.182.273    |
| 18   | Pulling attachments, set for GSP 5240/5250 EVO   | 150.182.274    |
| 19   | Accessories, set in case for GSP 5240 CL EVO ( 2 spreading tips, 2 pulling attachments)                  | 158.182.072    |
| 20   | Accessories, set in case for GSP 5240/5250 EVO (2 cutting tips, 2 spreading tips, 2 pulling attachments) | 158.182.073    |
| 21   | Pulling chains, set  | 150.582.152    |
| 22   | Pulling chains, set in case  | 158.582.009    |



16



17



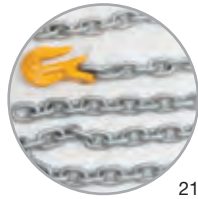
18



19



20



21



22

### Rams

| Item |                                | Article Number |
|------|--------------------------------|----------------|
| 23   | Ram support HRS 22 NCT         | 150.003.105    |
| 24   | Ram support HRS 22             | 150.181.011    |
| 25   | Wedge piece                    | 158.181.020    |
| 26   | Conical tip                    | 158.181.014    |
| 27   | Base plate round               | 150.181.326    |
| 28   | Connection piece               | 150.181.327    |
| 29   | Pulling chains set             | 158.582.001    |
| 30   | Pulling attachments set        | 158.582.002    |
| 31   | Ram extension 6.5 in (165 mm)  | 150.006.373    |
| 32   | Ram extension 13.8 in (350 mm) | 150.006.372    |
| 33   | Ram extension 19.7 in (500 mm) | 150.006.204    |
| 34   | AS 4300 A Accessory Set        | 150.182.269    |
| 35   | AS 4300 B Accessory Set        | 158.182.076    |



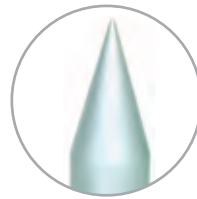
23



24



25



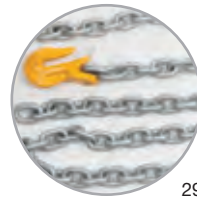
26



27



28



29



30



34



31



32



33



35

### Holmatro Greenline SPU 16 BC

| Item                               | Art. Nr.    | Description  |
|------------------------------------|-------------|--|
| 1 Battery                          | 150.007.089 | 36 VDC, 16 Ah, Li-ion (LiFePO4), 9.9 lbs (4.5 kg), with battery level indicator.   |
| 2 Battery charger                  | 150.004.904 | 100-240 VAC, 50/60 Hz, input power max. 510 W, output cable 10 ft (3 m), input cable 5 ft (1.5 m), LED indication: Mains - Charging - Full - Error |
| 3 Docking station                  | 150.004.623 | Unit to charge a battery outside the pump, to be used in combination with battery charger.   |
| 4 Mounting plate pump side         | 150.062.192 | To mount the pump on the Quick Fix & Release Bracket.  |
| 5 Quick Fix & Release Bracket      | 150.062.188 | Bracket with universal mounting to secure the pump in a rescue vehicle. For quick and easy access to pump.   |
| 6 Angled mounting plate truck side | 150.062.193 | To mount the Quick Fix & Release Bracket under an angle. For less physical strain on rescuers when pulling out and putting back the pump.          |



1



2



3

### Holmatro Quick Fix & Release Bracket

With the Holmatro Quick Fix & Release Bracket you no longer have to devise your own solutions for securing a hydraulic pump in your rescue vehicle. Thanks to its universal mounting, this bracket fits in any truck. Using the bracket saves precious time during a rescue

operation, protects the pump from damage, saves valuable vehicle space and is less physically demanding for rescuers when pulling out and placing back the pump.



4

5

6





# CORE Technology™



CORE Technology™ is a hydraulic system that employs **CO**axial **R**escue **E**quipment hose, couplers, pumps and tools. It allows the rescuer to rethink and simplify extrication techniques and standard operating procedures. CORE Technology™ is a one-hose system, consisting of a high pressure inner hose surrounded and protected by a low pressure outer hose. What makes our coaxial hydraulic hose possible is our patented CORE Technology™ coupler. These couplers have a built-in, automatic return valve that eliminates the need for a dump valve on the pump; simply connect the hose and you're ready to go.



CORE Technology™ is significantly **faster**, **easier** and **safer**, allowing rescuers to focus on the rescue operation, not the rescue equipment. Once you work with CORE Technology™ and discover the unprecedented benefits, you won't want to go back to a twin line system.

**Faster**

- **Hot-swappable**  
Change tools without returning to the power unit.
- **Connect and go**  
There is no need to unroll a CORE Technology™ hose before making your connections. No more twisted or kinked hoses.

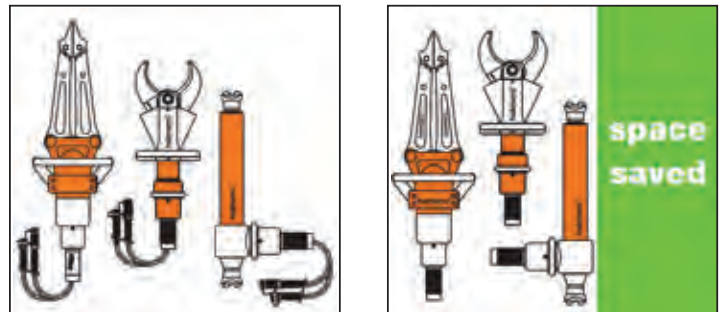


**Easier**

- **Error proof connections**  
Male & female connectors cannot be connected incorrectly or in the wrong order. Female couplers always connect to the tool and male couplers always connect to the power unit. CORE Technology™ hoses also include icons and arrows for quick and easy identification.
- **Continuous swivels**  
360° swivels on both ends of the hose prevent twisting or kinking.

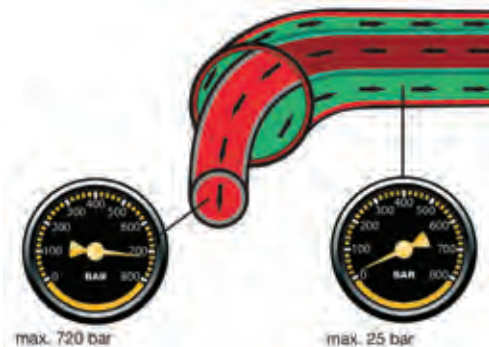


- **Packing up**  
Rolling up a CORE Technology™ hose is simple. With a couple of overhand or underhand flicks of the wrist, the hose is coiled and ready for storage.
- **Reduced weight & space**  
Compared to a twin line hose of equal length, CORE Technology™ hose weighs approx. 40% less and the flexible design allows it to be coiled into a much tighter roll, making it easier to manage and store. Without pigtails, CORE Technology™ tools take up less compartment space and weigh less.



**Safer**

- **Protected power**  
With CORE Technology™ hoses, the high pressure line is completely protected by the low pressure return line. The maximum a rescuer could be exposed to is 363 psi (25 bar).
- **Fewer hoses in the action circle**  
A single smooth hose, compared to twin line hoses with Oetiker clamps, reduces trip hazards and snag points. Hot-swappable power allows multiple tool operation from one hose, and prevents unnecessary travel to and from the power unit.





## More hydraulic cutting force

In rescue operations, one needs power to cut hardened materials in modern vehicles. In addition, rescue operations require fast working equipment that is easy to use. Holmatro® engineers designed the NCT™ cutter range to offer more usable cutting force, while still utilizing the same maximum working pressure of 10,443 psi (720 bar). In addition (through innovative design, manufacturing techniques and lightweight materials) these NCT™ cutters are stronger yet weigh less.

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

Holmatro® acquires its knowledge of new car technology from a number of sources. First and foremost, we stay in close contact with leading manufacturers of passenger and commercial vehicles.

Another valuable source of information is the racing world. Holmatro® is the Official Rescue Tool of INDYCAR. New materials

and construction methods used to make cars lighter and safer are often first implemented in race cars before ending up in production vehicles.

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



396,788 lbf  
(1,765 Kn)  
cutting  
force



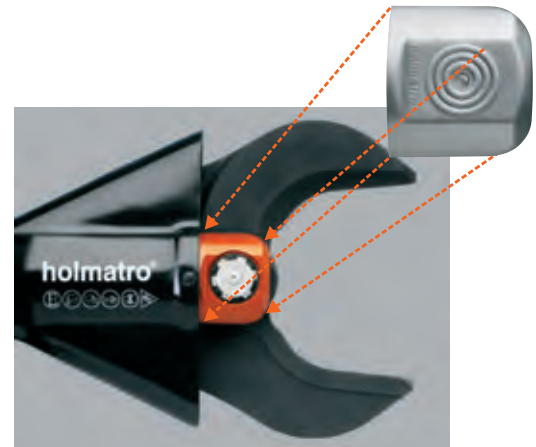






- **Lightweight**
  - Lighter than ever thanks to new materials, component integration and intelligent design
  - Easy to carry and handle, reducing physical burden
- **Patented CORE Technology™**
  - CORE Technology combines oil feed and return in one hose and makes your rescue operations safer, quicker and easier
- **NCT cutter blades (5000 series cutters)**
  - Inclined cutter jaw for additional ergonomics (5050i)
  - Blades are specially designed to cut new car construction
  - The U-shape surrounds the material and pulls it in into the cutting recess, where it is cut at the strongest point of the cutter
  - With optimized cutting edge for a long blade life and superior cutting performance
- **i-Bolt**
  - Flat central bolt construction squeezing the blades together directly (no blade holder in between!) and more tightly. This minimizes blade separation and maximizes cutting performance.
  - Allows for better access in narrow spaces.

- **Ergonomic carrying handle**
  - New ergonomic carrying handle design increases operator comfort in various working positions
- **Integrated LED lighting (5000 series)**
  - New LED lighting in the carrying handle: no less than six lights with a higher light output. Rescuers can start right away, both during the day and at night, without working in their own shadow.
- **Deadman's handle**
  - Improved one-hand operation with positive grip - accurate spring return to neutral position proportional operation for more precise control
- **Non-slip carrying handle**
  - Perfect grip for operation in all weather conditions
- **Rubber sleeve around blade levers**
  - Safe for operator



In 2015, Holmatro launched its next generation of cutters with the CU 5050 and CU 5050i introduction. The “I” stands for the design of the tool’s blades which are “inclined”. Lighter and more

ergonomic than ever, without compromising quality or cutting, they offer the best performance on modern vehicle construction, while also reducing the physical burden to first responders.



## ↓ SPECIFICATIONS

| Model                         | CU 5030 CL                      |             | CU 5030i CL                          |     | CU 5050                               |                | CU 5050i                             |       |                                       |       |
|-------------------------------|---------------------------------|-------------|--------------------------------------|-----|---------------------------------------|----------------|--------------------------------------|-------|---------------------------------------|-------|
| article number                | 158.012.144                     |             | 158.012.160                          |     | 158.012.162                           |                | 158.012.163                          |       |                                       |       |
| max. working pressure         | psi/ bar                        | 10,443/ 720 |                                      |     |                                       |                |                                      |       |                                       |       |
| max. cutting opening          | in                              | mm          | 6.7                                  | 170 | 6.7                                   | 170            | 7.2                                  | 182   | 7.2                                   | 182   |
| max. force                    | lbf                             | Kn          | 130,164                              | 579 | 123,420                               | 549            | 317,430                              | 1,412 | 312,260                               | 1,389 |
| weight, ready for use         | lb                              | kg          | 20.9                                 | 9.5 | 20.9                                  | 9.5            | 34.6                                 | 15.7  | 35.1                                  | 15.9  |
| dimensions (L x W x H)        | in                              | mm          | 26.5 x 10.6 x 7.4<br>674 x 270 x 188 |     | 27.0 x 10.8 x 10.0<br>685 x 275 x 253 |                | 29.6 x 10.9 x 7.9<br>752 x 278 x 200 |       | 30.0 x 12.0 x 10.6<br>762 x 306 x 268 |       |
| temperature range             | -4°F to +131°F (-20°C to +55°C) |             |                                      |     |                                       |                |                                      |       |                                       |       |
| NFPA 1936 2015 classification | A6/B5/C6/D6/E6                  |             |                                      |     |                                       | A8/B8/C7/D9/E9 |                                      |       |                                       |       |

| Model                         | CU 5060                         |             | CU 5060i                             |       |                                       |       |
|-------------------------------|---------------------------------|-------------|--------------------------------------|-------|---------------------------------------|-------|
| article number                | 158.012.145                     |             | 158.012.161                          |       |                                       |       |
| max. working pressure         | psi/ bar                        | 10,443/ 720 |                                      |       |                                       |       |
| max. cutting opening          | in                              | mm          | 8.1                                  | 205   | 8.1                                   | 205   |
| max. force                    | lbf                             | Kn          | 403,082                              | 1,793 | 396,788                               | 1,765 |
| weight, ready for use         | lb                              | kg          | 43.2                                 | 19.6  | 43.7                                  | 19.8  |
| dimensions (L x W x H)        | in                              | mm          | 31.8 x 12.6 x 7.9<br>807 x 321 x 200 |       | 32.3 x 13.5 x 11.2<br>820 x 342 x 285 |       |
| temperature range             | -4°F to +131°F (-20°C to +55°C) |             |                                      |       |                                       |       |
| NFPA 1936 2015 classification | A9/B9/C9/D9/E9                  |             |                                      |       |                                       |       |

Please see your local dealer for details on the availability of Twin Line tools





CU 3010

CU 4020

CU 4031

CU 4035

↓ SPECIFICATIONS

| Model                         |          | CU 3010                             |     | CU 4020                           |      | CU 4031                             |      | CU 4035                             |      |
|-------------------------------|----------|-------------------------------------|-----|-----------------------------------|------|-------------------------------------|------|-------------------------------------|------|
| article number                |          | 158.012.064                         |     | 158.012.056                       |      | 158.012.057                         |      | 158.012.095                         |      |
| max. working pressure         | psi/ bar | 10,443/ 720                         |     |                                   |      |                                     |      |                                     |      |
| max. cutting opening          | in mm    | 5.7                                 | 146 | 5.3                               | 134  | 12                                  | 305  | 9.4                                 | 238  |
| max. force                    | lbf Kn   | 57,326                              | 255 | 63,396                            | 282  | 67,667                              | 301  | 67,667                              | 301  |
| weight, ready for use         | lb kg    | 18.1                                | 8.2 | 24                                | 10.9 | 30                                  | 13.6 | 31.7                                | 14.4 |
| dimensions (L x W x H)        | in mm    | 24.5 x 8.1 x 6.4<br>622 x 205 x 163 |     | 27 x 9.3 x 7.5<br>686 x 236 x 190 |      | 29.9 x 9.3 x 7.5<br>760 x 236 x 190 |      | 30.8 x 9.3 x 7.5<br>781 x 236 x 190 |      |
| temperature range             |          | -4°F to +131°F (-20°C to +55°C)     |     |                                   |      |                                     |      |                                     |      |
| NFPA 1936 2015 classification |          | —                                   |     | A6/B3/C5/D6/E5                    |      | A6/B7/C5/D7/E5                      |      | A6/B7/C6/D7/E6                      |      |

Please see your local dealer for details on the availability of Twin Line tools





↓ FEATURES & BENEFITS



**Perfect grip**

Thanks to the well-designed and effective profile of the spreading tips.



**Integrated LED lighting**

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



**Lightweight**

Lighter than ever thanks to new materials, component integration and smart design. Easy to carry and handle, reducing physical burden.



SP 5250



**Ergonomic carrying handle**

New ergonomic carrying handle design increases operator comfort in various working positions.



**Built-in Speed Valve**

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



**Patented CORE Technology™**

CORE Technology combines oil feed and return in one hose and makes operations safer, quicker and easier.



## The new 5000 series spreaders **SP 5240 CL: a class of its own**

### Lighter than ever, no compromises

When it comes to the crunch, you can count on Holmatro spreaders. The most important factor in the development of our new 5000 series spreaders was weight reduction. Without compromising quality, spreading force and spreading distance. The result? The new 5000 series is lighter than ever, without concessions. Five spreaders with an optimum performance-to-weight ratio. All models are ergonomically designed, offer ultimate grip and have integrated LED-lighting with high light output. Above all, three models are available with a Greenline battery for increased freedom of movement.

Are you curious about the performance-to-weight ratio of our new 5000 series spreaders in comparison to other spreaders on the market?

When developing the SP 5240 CL we focused entirely on the high demands of practical application. This unique spreader is even more compact and lightweight than the other models from the 5000 series. It is fair to say that the SP 5240 CL is a class of its own and, therefore, stands above any other spreader on the market.



## Performance-to-weight ratio

### The new world standard

As a rescuer, you want to work with a spreader that combines the highest relevant spreading force\* with the highest spreading distance and lowest weight. This was also the basis for the development of the new 5000 series spreaders. In comparison with other spreaders commonly available on the market, we offer the best performance-to-weight ratio.

This ratio is calculated as follows:

$$\frac{(\text{relevant spreading force}^* \times \text{spreading distance})}{\text{weight}} = \frac{\text{performance}}{\text{weight}}$$

\* this is the minimum spreading force you will always have at your disposal, measured at the top of the spreading tips over the full spreading distance

### Objective comparison

NFPA 1936 and international standards like EN 13204 offer standardized measuring methods for objectively comparing performances of hydraulic rescue equipment. These performance data are established by independent certification authorities, like UL and TÜV. In other words, in an “apples-to-apples” comparison, Holmatro spreaders deliver the best performance at the lowest weight!

All comparisons were made between similar models of spreaders, based on relevant certified and published data.

SP 5240

**Holmatro: market maximum**

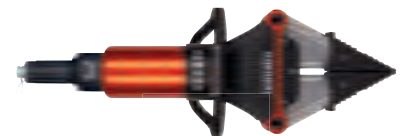
**Market average**



SP 5250

**Holmatro: market maximum**

**Market average**



SP 5260

**Holmatro: market maximum**

**Market average**



SP 5280

**Holmatro: market maximum**

**Market average**





## ↓ SPECIFICATIONS

| Model                          |          |    | SP 5240 CL                           |       | SP 5240                              |       | SP 5250                              |       | SP 5260                              |       | SP 5280                              |       |
|--------------------------------|----------|----|--------------------------------------|-------|--------------------------------------|-------|--------------------------------------|-------|--------------------------------------|-------|--------------------------------------|-------|
| article number                 |          |    | 158.012.164                          |       | 158.012.165                          |       | 158.012.166                          |       | 158.012.167                          |       | 158.012.168                          |       |
| equipped with (connector type) |          |    | CORE                                 |       |                                      |       |                                      |       |                                      |       |                                      |       |
| max. working pressure          | psi/ bar |    | 10,443/ 720                          |       |                                      |       |                                      |       |                                      |       |                                      |       |
| performance/weight ratio*      | lbf      | kN | 11,297                               | 2,816 | 14,016                               | 3,500 | 17,706                               | 4,423 | 19,727                               | 4,907 | 19,467                               | 4,846 |
| spreader opening               | in       | mm | 20.1                                 | 510   | 28.5                                 | 725   | 28.5                                 | 725   | 32.4                                 | 822   | 26.1                                 | 662   |
| max. spreading force           | lbf      | kN | 29,450                               | 131   | 62,947                               | 280   | 82,280                               | 366   | 117,350                              | 522   | 104,087                              | 463   |
| max. spreading force (HSF**)   | lbf      | kN | 11,915                               | 53    | 15,737                               | 70    | 21,806                               | 97    | 26,303                               | 117   | 31,923                               | 142   |
| min. spreading force (LSF**)   | lbf      | kN | 7,868                                | 35    | 8,543                                | 38    | 10,341                               | 46    | 13,039                               | 58    | 16,636                               | 74    |
| max. pulling force (HPF**)     | lbf      | kN | 10,566                               | 47    | 10,566                               | 47    | 15,062                               | 67    | 18,434                               | 82    | 22,256                               | 99    |
| min. pulling force (LPF**)     | lbf      | kN | 5,395                                | 24    | 5,620                                | 25    | 6,969                                | 31    | 8,318                                | 37    | 11,915                               | 53    |
| max. squeezing force           | lbf      | kN | 10,566                               | 47    | 13,264                               | 59    | 30,349                               | 135   | 28,551                               | 127   | 35,745                               | 159   |
| pulling distance               | in       | mm | 15.5                                 | 393   | 24                                   | 610   | 24                                   | 610   | 27.6                                 | 701   | 21.2                                 | 538   |
| max. pulling force             | lbf      | kN | 10,566                               | 47    | 10,566                               | 47    | 15,062                               | 67    | 18,434                               | 82    | 22,256                               | 99    |
| weight, ready for use          | lb       | kg | 21.2                                 | 9.6   | 32.0                                 | 14.5  | 35.1                                 | 15.9  | 43.2                                 | 19.6  | 42.8                                 | 19.4  |
| dimensions (L x W x H)         | in<br>mm |    | 27.0 x 10.8 x 8.2<br>685 x 274 x 207 |       | 32.1 x 11.3 x 8.5<br>815 x 286 x 217 |       | 32.5 x 11.2 x 8.5<br>826 x 285 x 215 |       | 35.4 x 12.7 x 8.8<br>900 x 322 x 223 |       | 31.5 x 12.7 x 8.7<br>801 x 322 x 220 |       |
| required oil content           | oz       | ml | 4.2                                  | 124   | 7.6                                  | 226   | 9.8                                  | 291   | 13                                   | 384   | 13                                   | 384   |
| temperature range              |          |    | -4°F to +131°F (-20°C to +55°C)      |       |                                      |       |                                      |       |                                      |       |                                      |       |
| NFPA 1936 2015 compliant       |          |    | Yes                                  |       | Yes                                  |       | Yes                                  |       | Yes                                  |       | Yes                                  |       |

\*Performance/weight ratio = NFPA HSF X Spreader Opening/Weight      \*\* NFPA 1936

**Please see your local dealer for details on the availability of Twin Line tools**



↓ FEATURES & BENEFITS



## Holmatro combi tools CT 5111 & CT 5117: Ultra-lightweight with high performance

### Extremely compact & ultra-lightweight

- Ready for use weights only 18.1 lb and 19.6 lb
- Easy to carry, handle, transport and store
- Ideal for use in confined spaces

### Optimal performance to weight ratio

- Extremely high spreading force compared to size and weight (5111 models)
- Extremely high spreading distance compared to size and weight (5117 models)
- High cutting force compared to size and weight (both models)

### Multi-functional

- One tool for cutting, spreading and squeezing
- 5117 models also suitable for pulling
- Suitable for a variety of operations, from rapid intervention in vehicle rescue to USAR
- Suitable for under water use
- Your choice: CT 5111 for highest spreading force, CT 5117 for highest spreading distance

### Connectable to all Holmatro pumps

- The separate pump decreases the weight of the tool and increases maneuverability
- CORE Technology™ makes setup quick and easy: only one hose to connect to pump and tool





## ↓ FEATURES & BENEFITS

### Equipped with i-Bolt

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

### Carrying handle with integrated LED lighting

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

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

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



## ↓ SPECIFICATIONS

| Model                            | CT 4150                         |             | CT 5111                           |      | CT 5111 RH                           |       | CT 5117                             |       | CT 5117 RH                           |  |                                     |  |
|----------------------------------|---------------------------------|-------------|-----------------------------------|------|--------------------------------------|-------|-------------------------------------|-------|--------------------------------------|--|-------------------------------------|--|
| article number                   | 158.012.062                     |             | 158.012.146                       |      | 158.012.147                          |       | 158.012.150                         |       | 158.012.151                          |  |                                     |  |
| equipped with (connector type)   | CORE                            |             |                                   |      |                                      |       |                                     |       |                                      |  |                                     |  |
| max. working pressure            | psi/ bar                        | 10,443/ 720 |                                   |      |                                      |       |                                     |       |                                      |  |                                     |  |
| performance/weight ratio*        | lbf                             | kN          | 3,443                             | 855  | 7,373                                | 1,827 | 7,457                               | 1,850 | 6,437/ 1,604                         |  |                                     |  |
| spreader opening                 | in                              | mm          | 14.2                              | 360  | 11.1/ 281                            |       |                                     |       | 17/ 431                              |  |                                     |  |
| max. spreading force             | lbf                             | kN          | 47,435                            | 211  | 102,738/ 457                         |       |                                     |       | 12,140/ 54                           |  |                                     |  |
| max. spreading force (HSF**)     | lbf                             | kN          | 7,541                             | 33.5 | 11,690/ 52                           |       |                                     |       | 7,194/ 32                            |  |                                     |  |
| min. spreading force (LSF**)     | lbf                             | kN          | 6,598                             | 29.3 | 8,992/ 40                            |       |                                     |       | 5,620/ 25                            |  |                                     |  |
| max. pulling force (HPF**)       | lbf                             | kN          | 14,358                            | 63.9 | —                                    |       |                                     |       | 6,070/ 27                            |  |                                     |  |
| min. pulling force (LPF**)       | lbf                             | kN          | 8,230                             | 36.6 | —                                    |       |                                     |       | 4,047/ 18                            |  |                                     |  |
| max. cutting opening             | in                              | mm          | 9                                 | 229  | 7.7/ 196                             |       |                                     |       | 13.9/ 352                            |  |                                     |  |
| max. cutting force               | lbf                             | kN          | 85,427                            | 380  | 46,311/ 206                          |       |                                     |       | 45,861/ 204                          |  |                                     |  |
| max. squeezing force             | lbf                             | kN          | 17,085                            | 76   | 9,892/ 44                            |       |                                     |       | 6,070/ 27                            |  |                                     |  |
| pulling distance                 | in                              | mm          | 16.4                              | 416  | —                                    |       |                                     |       | 16.8/ 426                            |  |                                     |  |
| max. pulling force               | lbf                             | kN          | 14,358                            | 63.9 | —                                    |       |                                     |       | 6,744/ 30                            |  |                                     |  |
| required oil content (effective) | oz                              | cc          | 2.8                               | 83   | 1.9/ 55                              |       |                                     |       | 1.9/ 55                              |  |                                     |  |
| weight, ready for use            | lb                              | kg          | 31.1                              | 14.1 | 17.6                                 | 8.0   | 17.4                                | 7.9   | 19.0/ 8.6                            |  |                                     |  |
| dimensions (L x W x H)           | in                              | mm          | 31 x 9.3 x 7.5<br>787 x 236 x 190 |      | 21.5 x 10.8 x 7.6<br>545 x 275 x 192 |       | 21.5 x 8.5 x 4.5<br>545 x 217 x 115 |       | 25.2 x 10.8 x 7.6<br>641 x 275 x 192 |  | 25.2 x 8.5 x 4.5<br>641 x 217 x 115 |  |
| temperature range                | -4°F to +131°F (-20°C to +55°C) |             |                                   |      |                                      |       |                                     |       |                                      |  |                                     |  |
| NFPA 1936 2015 classification    | A7/B8/C6/D7/E7                  |             |                                   |      | A5/B5/C5/D6/E4                       |       |                                     |       | A5/B5/C4/D6/E4                       |  |                                     |  |

\*Performance/weight ratio = NFPA HSF X Spreader Opening/Weight      \*\* NFPA 1936

**Please see your local dealer for details on the availability of Twin Line tools**

↓ FEATURES & BENEFITS



## Holmatro hand-operated combi tools HCT 5111 (RH) & HCT 5117 (RH): Ultra-lightweight, high performance, ultimate mobility

### Extremely compact & ultra-lightweight

- Ready for use weights only 19.2 lb and 20.7 lb
- Easy to carry, handle, transport and store
- Ideal for use in confined spaces



### Optimal performance to weight ratio

- Extremely high spreading force compared to size and weight (5111 models)
- Extremely high spreading distance compared to size and weight (5117 models)
- High cutting force compared to size and weight (both models)

### Multi-functional

- One tool for cutting, spreading and squeezing
- 5117 models also suitable for pulling
- Suitable for a variety of operations, from rapid intervention in vehicle rescue to USAR
- Suitable for under water use
- Your choice: HCT 5111 for highest spreading force, HCT 5117 for highest spreading distance





↓ FEATURES & BENEFITS



**Non-slip selection ring**

- Easy, intuitive selection of cutting or spreading function
- Offers good grip



**Equipped with i-Bolt**

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

**Carrying handle with integrated LED lighting**

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

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

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

**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 360° rotatable and lockable in 22 positions for use of the tool in almost any position
- Pump handle also flat foldable for compact transportation and storage



## ↓ SPECIFICATIONS

| Model                          | HCT 5111                        |    | HCT 5111 RH                          |     | HCT 5117                            |                | HCT 5117 RH                          |     |                                     |     |
|--------------------------------|---------------------------------|----|--------------------------------------|-----|-------------------------------------|----------------|--------------------------------------|-----|-------------------------------------|-----|
| article number                 | 158.012.153                     |    | 158.012.154                          |     | 158.012.156                         |                | 158.012.157                          |     |                                     |     |
| equipped with (connector type) | hand                            |    |                                      |     |                                     |                |                                      |     |                                     |     |
| max. working pressure          | psi/ bar                        |    | 10,443/ 720                          |     |                                     |                |                                      |     |                                     |     |
| spreading distance             | in/ mm                          |    | 11.1/ 281                            |     | 17/ 431                             |                |                                      |     |                                     |     |
| max. spreading force           | lbf/ kN                         |    | 102,738/ 457                         |     | 12,140/ 54                          |                |                                      |     |                                     |     |
| max. spreading force (HSF*)    | lbf/ kN                         |    | 11,690/ 52                           |     | 7,194/ 32                           |                |                                      |     |                                     |     |
| min. spreading force (LSF*)    | lbf/ kN                         |    | 8,992/ 40                            |     | 5,620/ 25                           |                |                                      |     |                                     |     |
| max. pulling force (HPF*)      | lbf/ kN                         |    | —                                    |     | 6,070/ 27                           |                |                                      |     |                                     |     |
| min. pulling force (LPF*)      | lbf/ kN                         |    | —                                    |     | 4,047/ 18                           |                |                                      |     |                                     |     |
| max. cutting opening           | in/ mm                          |    | 7.7/ 196                             |     | 13.9/ 352                           |                |                                      |     |                                     |     |
| max. cutting force             | lbf/ kN                         |    | 46,311/ 206                          |     | 45,861/ 204                         |                |                                      |     |                                     |     |
| max. squeezing force           | lbf/ kN                         |    | 9,892/ 44                            |     | 6,070/ 27                           |                |                                      |     |                                     |     |
| pulling distance               | in/ mm                          |    | —                                    |     | 16.8/ 426                           |                |                                      |     |                                     |     |
| max. pulling force             | lbf/ kN                         |    | —                                    |     | 6,744/ 30                           |                |                                      |     |                                     |     |
| weight, ready for use          | lb                              | kg | 19.4                                 | 8.8 | 19.2                                | 8.7            | 20.9                                 | 9.5 | 20.7                                | 9.4 |
| dimensions (L x W x H)         | in<br>mm                        |    | 20.8 x 10.8 x 7.6<br>529 x 275 x 192 |     | 20.8 x 8.5 x 5.7<br>529 x 215 x 145 |                | 24.7 x 10.8 x 7.6<br>628 x 275 x 192 |     | 24.7 x 8.7 x 5.7<br>628 x 220 x 145 |     |
| temperature range              | -4°F to +131°F (-20°C to +55°C) |    |                                      |     |                                     |                |                                      |     |                                     |     |
| NFPA 1936 2015 classification  | A5/B5/C5/D6/E4                  |    |                                      |     |                                     | A5/B5/C4/D6/E4 |                                      |     |                                     |     |

## Hand Operated Power Wedge

- Small insertion height with high spreading force**
  - Creates initial gap for other lifting or spreading equipment such as combi tools, spreaders, lifting bags, or jacks
- Self contained**
  - No external power source required. No hose(s) required.
- Pump and tool in one**
  - Fits rapid intervention vehicles. Lightweight, easy to carry and transport. Easy to use.
- Handle can rotate in every direction**
  - Versatile, can be used for nearly all rescue operations. Less repositioning of tool ensures a fast rescue operation.
- Pump is 2-stage type**
  - Without load: higher operating speed for a fast rescue operation
  - With load: little force needed
- Compact as pump handle can be folded up**
  - Easier to transport and carry, less space when stored
- Low noise level**
- Non-slip carrying handle**
  - For a perfect grip under all circumstances
- Perfectly balanced**
  - Easy to pick up and to carry



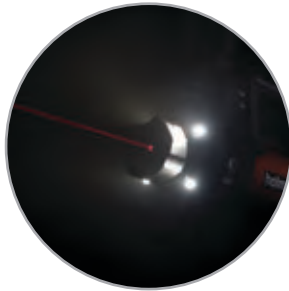
HPW 4624

| Model                  | HPW 4624                        |     |                                      |      |
|------------------------|---------------------------------|-----|--------------------------------------|------|
| article number         | 158.062.007                     |     |                                      |      |
| max. working pressure  | psi                             | bar | 10,443                               | 720  |
| max. spreading force   | lbf                             | kN  | 56,877                               | 253  |
| min. insertion space   | in                              | mm  | 0.2                                  | 6    |
| max. lifting height    | in                              | mm  | 2                                    | 51   |
| wedge angle            | 15°                             |     |                                      |      |
| weight, ready for use  | lb                              | kg  | 26                                   | 11.8 |
| dimensions (L x W x H) | in<br>mm                        |     | 28.1 x 10.6 x 7.8<br>713 x 270 x 197 |      |
| temperature range      | -4°F to +131°F (-20°C to +55°C) |     |                                      |      |



## Our new 5000 series telescopic rams

Lighter and more ergonomic than ever along with improved performance. With LED lights, front and back, and a laser pointer to help you hit the right spot in one shot.



### **Integrated laser pointer in ram head**

Marks the exact spot where your ram head will contact the vehicle once extended. Enables “first-time-right” positioning, which saves time and is safer for the patient.



### **New control handle**

Improved ergonomic design, offering better grip for optimal tool control.

### **Built-in Speed Valve**

When unloaded, the plunger extends quickly to the desired distance to speed up ram positioning.



### **Improved performance**

Increased spreading force of the 2nd plunger (where you need it the most!) and more length.

### **Perfect grip**

Thanks to the well-designed and effective profile of the spreading tips.

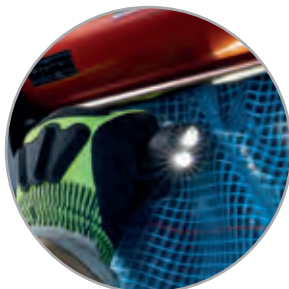


### **Lightweight**

Lighter than ever, thanks to new materials, component integration and smart design.

### **Ergonomic carrying handle**

New design provides better balance.



### **Integrated LED lighting**

A total of 6 LED lights illuminate both the plunger and the base side of the ram, giving you a clear view of your working area. Start right away, day or night, without being obstructed by your own shadow.





## ↓ SPECIFICATIONS

- Weight: 20.3 - 37.3 lb (9.2 - 16.9 kg)
- Retracted length: 13.2 -25 in (335 - 635 mm)
- Extended length: 24 - 59.5 in (610 - 1510 mm)



TR 5370 LP

| Specifications                   |  |          | TR 5340 LP                           |     | TR 5350 LP                           |       | TR 5370 LP                           |       |
|----------------------------------|--|----------|--------------------------------------|-----|--------------------------------------|-------|--------------------------------------|-------|
| article number (incl. ram heads) |  |          | 158.032.030                          |     | 158.032.031                          |       | 158.032.032                          |       |
| operator type                    |  |          | CORE                                 |     |                                      |       |                                      |       |
| max. working pressure            |  | psi/ bar | 10,443/ 720                          |     |                                      |       |                                      |       |
| max. spreading force 1st plunger |  | lbf kN   | 48,784                               | 217 | 48,784                               | 217   | 51,931                               | 231   |
| max. spreading force 2nd plunger |  | lbf kN   | 22,706                               | 101 | 22,706                               | 101   | 24,954                               | 111   |
| NFPA 1936, HSF                   |  | lbf kN   | 48,784                               | 217 | 48,784                               | 217   | 51,931                               | 231   |
| NFPA 1936, LSF                   |  | lbf kN   | 22,706                               | 101 | 22,706                               | 101   | 24,954                               | 111   |
| retracted length                 |  | in mm    | 13.2                                 | 335 | 22                                   | 560   | 25                                   | 635   |
| spreading stroke 1st plunger     |  | in mm    | 5.9                                  | 150 | 14.8                                 | 375   | 17.7                                 | 450   |
| spreading stroke 2nd plunger     |  | in mm    | 4.9                                  | 125 | 13.8                                 | 350   | 16.7                                 | 425   |
| total spreading stroke           |  | in mm    | 10.8                                 | 275 | 28.5                                 | 725   | 34.5                                 | 875   |
| extended length                  |  | in mm    | 24                                   | 610 | 50.6                                 | 1,285 | 59.5                                 | 1,510 |
| weight ready for use             |  | lb kg    | 20.3                                 | 9.2 | 32.2                                 | 14.6  | 37.3                                 | 16.9  |
| dimensions (L x W x H)           |  | in mm    | 11.0 x 4.3 x 13.2<br>280 x 109 x 335 |     | 11.0 x 4.3 x 22.0<br>280 x 109 x 560 |       | 11.1 x 4.3 x 25.0<br>281 x 109 x 635 |       |
| NFPA 1936 2015 classification    |  |          | Yes                                  |     | Yes                                  |       | Yes                                  |       |



TR 5340 LP



TR 5350 LP

Ram extensions available for TR 5340 LP  
(see page 72)



XR 4360

| Model                           |                 |     | XR 4360          |       |
|---------------------------------|-----------------|-----|------------------|-------|
| article number                  |                 |     | 158.032.028      |       |
| max. working pressure           | psi             | bar | 10,443           | 720   |
| max. spreading force            | lbf             | kN  | 22,481           | 100   |
| mechanical stroke               | in              | mm  | 11.7             | 298   |
| hydraulic stroke                | in              | mm  | 13.8             | 350   |
| total stroke                    | in              | mm  | 25.5             | 648   |
| retracted length                | in              | mm  | 24.6             | 625   |
| extended length                 | in              | mm  | 50               | 1,270 |
| weight, ready for use           | lb              | kg  | 32               | 14.5  |
| dimensions (L x W x H)          | in              |     | 24.6 x 8.3 x 6.7 |       |
|                                 | mm              |     | 625 x 210 x 170  |       |
| oil volume required for opening | in <sup>3</sup> | cc  | 22               | 356   |
| NFPA 1936 2015 compliant        | Yes             |     |                  |       |



### Unlocking

step 1: press button to left or right

step 2: push ram in upward direction before pulling it down

**Please see your local dealer for details on the availability of Twin Line tools**

- **Manually extendable**
  - for quicker positioning
  - enables more precise positioning
  - allows you to start spreading almost immediately
- **Large manual stroke**
  - also quickly positioned in large door openings
- **Manual extension with auto-lock system**
  - easy: no need to lock manually
  - safe: 2-step unlocking system helps avoid accidental unlocking
- **Unique adjustable carrying handle**
  - can be turned to left or right: easy use of ram on both sides of the vehicle
- **22,481 lb (100 kN) pushing force at every length**
  - no loss of power over full stroke
- **Compact dimensions with large stroke**
  - suitable for situations where little space is available and a large stroke is required
  - easy to store
  - fits in any opening created by any Holmatro® spreader
- **Lightweight (compared to 4350 telescopic ram)**
- **Small oil requirement**
- **Works on all Holmatro® mini pumps**





↓ FEATURES & BENEFITS



RA 4321



RA 4322



RA 4331



RA 4332

- **Rotational grip heads**
  - perfect grip in any situation
  - rotates even when under pressure
  - heads are non-threaded “quick attach” and can be rotated out of the way of the rescuer to allow better access
- **Deadman’s handle**
  - improved one-hand operation with positive grip
  - accurate spring return to neutral position
  - proportional operation for more precise control
- **Anodized aluminum parts for corrosion protection**
- **Unique full protection against overload**
- **Innovative speed valve; up to 35% faster opening speeds**



## ↓ SPECIFICATIONS

| Model                    |     |    | RA 4321                            |       | RA 4322                              |       | RA 4331                              |      | RA 4332                            |       |
|--------------------------|-----|----|------------------------------------|-------|--------------------------------------|-------|--------------------------------------|------|------------------------------------|-------|
| article number           |     |    | 158.032.009                        |       | 158.032.010                          |       | 158.032.011                          |      | 158.032.012                        |       |
| spreading force          | lbf | kN | 36,460                             | 162.2 | 36,460                               | 162.2 | 36,194                               | 161  | 36,194                             | 161   |
| number of plungers       |     |    | 1                                  |       | 2                                    |       | 1                                    |      | 2                                  |       |
| stroke                   | in  | mm | 9.8                                | 250   | 19.7                                 | 500   | 13.8                                 | 350  | 27.6                               | 700   |
| max. length              | in  | mm | 29.8                               | 757   | 48.9                                 | 1,242 | 37.7                                 | 957  | 64.7                               | 1,642 |
| weight, ready for use    | lb  | kg | 24                                 | 10.9  | 34                                   | 15.4  | 28                                   | 12.7 | 39.9                               | 18.1  |
| dimensions (L x W x H)   | in  | mm | 20 x 13.3 x 4.8<br>507 x 407 x 122 |       | 29.2 x 13.3 x 4.8<br>742 x 338 x 122 |       | 23.9 x 13.3 x 4.8<br>607 x 338 x 122 |      | 37.1 x 16 x 4.8<br>942 x 407 x 122 |       |
| NFPA 1936 2015 compliant |     |    | Yes                                |       |                                      |       |                                      |      |                                    |       |

Please see your local dealer for details on the availability of Twin Line tools

## Ram Supports



HRS 22



HRS 22 NCT

| Model                  |    |    | HRS 22                              |     | HRS 22 NCT                         |      |
|------------------------|----|----|-------------------------------------|-----|------------------------------------|------|
| dimensions - L x W x H | in | mm | 15.7 x 4.2 x 9.4<br>400 x 106 x 240 |     | 17.7 x 5.9 x 11<br>450 x 150 x 280 |      |
| weight, ready for use  | lb | kg | 17                                  | 7.7 | 32.8                               | 14.9 |



- **Wider ram support\***
  - for wider door sills and B-pillars of new model cars
- **Teeth provide grip\***
  - ensures that the ram support will not slip or tilt
  - aids on smaller sills and B-pillars of older model cars
- **Crossbar recess helps keep rams centered\***
  - prevents tilting of ram support
- **Quick and easy to position either vertically or horizontally**
- **Contains multiple positioning bars**
  - for different ram angles
- **Suitable for use with all Holmatro® rams**

\*HRS 22 NCT only



## ↓ FEATURES & BENEFITS

- **Three-stage pump technology**
  - much higher flow/speed in second stage for quicker rescue operations
  - lower flow/speed in third stage for more tool control
- **Soft-grip carrying handle**
  - better grip
  - ergonomic design for improved carrying balance
- **Comparatively lightweight**
  - easy to carry and store
  - ergonomic, compact design
- **Large hydraulic oil capacity**
  - pump can be used with any Holmatro® double acting rescue tool
  - enough oil for up to six tools
- **Hydraulic oil level indicator**
  - easy to monitor oil level



SR 10 PC 1



SR 40 PC 2

## ↓ SPECIFICATIONS

| Model                                 | SR 10 PC 1                         | SR 20 PC 2  | SR 20 HC 2 R               | SR 40 PC 2  | SR 40 HC 3 R  | SR 40 PC 4  |
|---------------------------------------|------------------------------------|-------------|----------------------------|-------------|---|-------------|
| article number                        | 158.152.175                        | 158.152.178 | 158.152.223                | 158.152.183 | 158.152.236   | 158.152.232 |
| max. working pressure                 | psi/ bar 10,443/ 720               |             |                            |             |   |             |
| number of stages                      | 3                                  |             |                            |             |   |             |
| 1st stage pressure range min.         | psi/ bar 0 - 2176/ 0 - 150         |             |                            |             |   |             |
| 1st stage output / min.               | oz/ cc 98.1/ 2,900                 |             | 101.4/ 3,000               |             | 98.1/ 2,900 101.4/ 3,000 98.1/ 2,900  |             |
| 2nd stage pressure range min.         | psi/ bar 2,176 - 4,061/ 150 - 280  |             |                            |             |   |             |
| 2nd stage output / min.               | oz cc 44/ 1,300                    |             | 45.6 1,350                 |             | 44 1,300 44 1,300 45.6 1,350  |             |
| 3rd stage pressure range min.         | psi/ bar 4,061 - 10,443/ 280 - 720 |             |                            |             |   |             |
| 3rd stage output / min.               | oz cc 18.6/ 550                    |             | 19.44 575                  |             | 18.6 550 18.6 550 18.6 550  |             |
| capacity fuel tank                    | oz cc 26 770                       |             | 57.5 1,700                 |             | NA 104.8 3,100 NA 104.8 3,100   |             |
| continuous operation (gas)            | hrs 2                              |             | 3.5                        |             | NA 3.5 NA 3   |             |
| sound emission (unloaded)             | dB (A) 79                          |             | 81                         |             | 73 84 66 86   |             |
| capacity oil tank                     | oz cc 96 2,840                     |             | 146.8 4,340                |             | 146.8 4,340 214.4 6,340 214.4 6,340 214.4 6,340   |             |
| capacity oil tank (effective)         | oz cc 84.5 2,500                   |             | 135.3 4,000                |             | 135.3 4,000 202.9 6,000 202.9 6,000 202.9 6,000   |             |
| operator type                         | gas engine                         |             | electric motor             |             | gas engine electric motor gas engine  |             |
| number of tool connections            | 1                                  |             | 2                          |             | 2 3 4   |             |
| number of tools simultaneously usable | 1                                  |             | 2                          |             | 2 3 4   |             |
| pump type                             | 3-stage axial                      |             | 2 x 3-stage axial          |             | 2 x 3-stage axial 3 x 3-stage axial 4 x 3-stage axial   |             |
| engine                                | 4-stroke - 2.1 HP - 1.6 kW         |             | 4-stroke - 3.0 HP - 2.2 kW |             | 230 VAC - 1.8 kW - 60 Hz - 1 Ph 4-stroke - 5.5 HP - 4.1 kW 240 VAC - 3 kW - 60 Hz - 1 Ph 4-stroke - 5.5 HP - 4.1 kW |             |
| required power                        | NA                                 |             | NA                         |             | 10.6 KVA NA 20 KVA NA   |             |
| weight, ready for use                 | lb kg 32 14.5                      |             | 50 22.7                    |             | 72.3 32.8 81.6 37 122.6 55.6 101.0 45.8   |             |
| dimensions (LxWxH)                    | in mm 14.2x11.4x16.7 360x290x423   |             | 17.9x12.4x18.1 455x315x460 |             | 17.9x12.4x18.1 455x315x460 19.6x18.4x19.4 497x467x492 22x18.4x19.4 560x467x492 19.6x18.4x19.4 497x467x492           |             |
| temperature range                     | -4°F to +131°F (-20°C to +55°C)    |             |                            |             |   |             |
| NFPA 1936 2015 compliant              | Yes                                |             | Yes                        |             | Yes Yes Yes Yes   |             |

The i-series by Harrison is a line of Integrated Hydraulic Technology systems (IHT) that powers your Holmatro CORE Tools, SR series pump using hydraulic motors. It can be installed on new apparatus, as well as existing apparatus, with or without a Harrison Generator, to power up any of the Holmatro “SR-Series” rescue tool pumps. IHT-HQ’s compact size provides enhanced performance, operation, and better packaging – plus the ability to drive four tool systems. It also allows you to:

- Decrease your wheelbase & increases maneuverability of your Apparatus
- Eliminate small engine maintenance issues; your IHT-HQ driven Hydraulic Rescue Tool system will start EVERY time
- Simplify the operation of your Hydraulic Rescue Tool system; flip the switch and go to work
- Install on new apparatus as well as existing apparatus



SR 40 ZC 4



## ↓ SPECIFICATIONS

| Model                                 | SR 20 ZC 2                      |                               | SR 40 ZC 2        |                               | SR 40 ZC 3        |                               | SR 40 ZC 4        |                               |  |
|---------------------------------------|---------------------------------|-------------------------------|-------------------|-------------------------------|-------------------|-------------------------------|-------------------|-------------------------------|--|
| article number                        | 158.152.244                     |                               | 158.152.230       |                               | 158.152.245       |                               | 158.152.246       |                               |  |
| max. working pressure                 | psi/ bar                        | 10,443/ 720                   |                   |                               |                   |                               |                   |                               |  |
| number of stages                      | 3                               |                               |                   |                               |                   |                               |                   |                               |  |
| 1st stage pressure range min.         | psi/ bar                        | 0 – 2176/ 0 - 150             |                   |                               |                   |                               |                   |                               |  |
| 1st stage output / min.               | oz/ cc                          | 98.1/ 2,900                   |                   | 101.4/ 3,000                  |                   | 101.4/ 3,000                  |                   | 101.4/ 3,000                  |  |
| 2nd stage pressure range min.         | psi/ bar                        | 2,176 - 4,061/ 150 - 280      |                   |                               |                   |                               |                   |                               |  |
| 2nd stage output / min.               | oz   cc                         | 44/ 1,300                     |                   | 45.6   1,350                  |                   | 45.6   1,350                  |                   | 45.6   1,350                  |  |
| 3rd stage pressure range min.         | psi/ bar                        | 4,061 - 10,443/ 280 - 720     |                   |                               |                   |                               |                   |                               |  |
| 3rd stage output / min.               | oz   cc                         | 18.6/ 550                     |                   | 19.44   575                   |                   | 19.44   575                   |                   | 19.44   575                   |  |
| capacity oil tank                     | oz   cc                         | 146.8   4,340                 |                   | 214.4   6,340                 |                   | 214.4   6,340                 |                   | 214.4   6,340                 |  |
| capacity oil tank (effective)         | oz   cc                         | 135.3   4,000                 |                   | 202.9   6,000                 |                   | 202.9   6,000                 |                   | 202.9   6,000                 |  |
| operator type                         | hydraulic motor                 |                               |                   |                               |                   |                               |                   |                               |  |
| number of tool connections            | 2                               |                               | 2                 |                               | 3                 |                               | 4                 |                               |  |
| number of tools simultaneously usable | 2                               |                               | 2                 |                               | 3                 |                               | 4                 |                               |  |
| pump type                             | 2 x 3-stage axial               |                               | 2 x 3-stage axial |                               | 3 x 3-stage axial |                               | 4 x 3-stage axial |                               |  |
| engine                                | PTO                             |                               |                   |                               |                   |                               |                   |                               |  |
| required flow                         | 10 gpm @ 2,000 psi              |                               | –                 |                               | –                 |                               | –                 |                               |  |
| weight, ready for use                 | lb   kg                         | 60.6   27.5                   |                   | 67.5   30.6                   |                   | 90.2   40.9                   |                   | 92.4   41.9                   |  |
| dimensions (LxWxH)                    | in   mm                         | 17.9x12.4x18.1<br>455x315x460 |                   | 19.6x18.4x19.4<br>497x467x492 |                   | 19.6x18.4x19.4<br>497x467x492 |                   | 19.6x18.4x19.4<br>497x467x492 |  |
| temperature range                     | -25°F to +131°F (-4°C to +55°C) |                               |                   |                               |                   |                               |                   |                               |  |





## ECO whisper mode for low noise level and reduced fuel consumption

Holmatro introduces this new, optional, feature on pump models in the Spider range. When operating a hydraulic rescue tool connected to one of these pumps, the engine speed automatically increases to maximum to ensure optimal equipment performance. When you finish operating the tool, the engine reverts to ECO whisper mode which keeps the pump running at a low idle speed. This not only reduces fuel consumption which extends operation time, the noise level also goes down. A quieter pump is less stressful for patients and improves communication at the rescue scene. And because there's no need to switch off the pump in between operations, it's readily available for use again.

### How does it work?

The ECO whisper mode works in combination with CORE hoses up to a length of 50 ft (15 m). Once your equipment is connected to the pump and the pump is running, you simply press the ECO button on the pump for optimal reduction of noise and fuel consumption.



# → Spider Range Pumps w/ECO Whisper Mode



SR 10 PC 1 E



SR 20 PC 2 E



SR 40 PC 2 E

## ↓ SPECIFICATIONS

| Model  | SR 10 PC 1 E                    |             | SR 20 PC 2 E                          |       | SR 40 PC 2 E                          |           |                                       |           |
|--|---------------------------------|-------------|---------------------------------------|-------|---------------------------------------|-----------|---------------------------------------|-----------|
| article number                               | 158.152.176                     |             | 158.152.179                           |       | 158.152.184                           |           |                                       |           |
| operator type                                | gas engine                      |             |                                       |       |                                       |           |                                       |           |
| equipped with                                | CORE                            |             |                                       |       |                                       |           |                                       |           |
| number of tool connections                   | 1                               |             | 2                                     |       | 2                                     |           |                                       |           |
| working pressure                             | psi/ bar                        | 10,443/ 720 |                                       |       |                                       |           |                                       |           |
| engine <sup>1</sup>                          | 4-stroke - 2.1 HP - 1.6 kW      |             | 4-stroke - 3.0 HP - 2.2 kW            |       | 4-stroke - 5.5 HP - 4.1 kW            |           |                                       |           |
| capacity fuel tank                           | oz                              | cc          | 26                                    | 770   | 57.5                                  | 1,700     | 104.8                                 | 3,100     |
| continuous operation                         | hours                           | 3.5         |                                       | 7.2   |                                       | 5.5       |                                       |           |
| pump type                                    | 3-stage axial pump              |             | 3-stage axial pump                    |       | 3-stage axial pump                    |           |                                       |           |
| effective oil capacity                       | oz                              | cc          | 84.5                                  | 2,500 | 135.3                                 | 4,000     | 202.9                                 | 6,000     |
| output 1st stage (0 - 150 bar) min.          | oz                              | cc          | 98.1                                  | 2,900 | 2 x 98.1                              | 2 x 2,900 | 2 x 98.1                              | 2 x 2,900 |
| output 2nd stage (150 - 280 bar) min.        | oz                              | cc          | 44                                    | 1,300 | 2 x 44                                | 2 x 1,300 | 2 x 44                                | 2 x 1,300 |
| output 3rd stage (280 - 720 bar) min.        | oz                              | cc          | 18.6                                  | 550   | 2 x 18.6                              | 2 x 550   | 2 x 18.6                              | 2 x 550   |
| dimensions (L x W x H)                       | in                              | mm          | 14.2 x 11.4 x 16.7<br>360 x 290 x 423 |       | 17.9 x 12.4 x 18.1<br>455 x 315 x 460 |           | 19.6 x 18.4 x 19.4<br>497 x 467 x 492 |           |
| weight, ready for use <sup>2</sup>           | lb                              | kg          | 33.5                                  | 15.2  | 51.6                                  | 23.4      | 83.8                                  | 38        |
| sound emission at 3.28 ft (1 m) <sup>3</sup> | dB(A)                           | 82          |                                       | 85    |                                       | 85        |                                       |           |
| sound emission (unloaded)                    | dB(A)                           | 76          |                                       | 78    |                                       | 79        |                                       |           |
| temperature range                            | -4°F to +131°F (-20°C to +55°C) |             |                                       |       |                                       |           |                                       |           |
| ECO whisper mode                             |                                 |             | ✓                                     |       | ✓                                     |           | ✓                                     |           |
| hydraulic oil level indication               |                                 |             | ✓                                     |       | ✓                                     |           | ✓ (dipstick)                          |           |
| engine oil level sensor                      |                                 |             | ✓                                     |       |                                       |           | ✓                                     |           |
| NFPA 1936 2015 compliant                     |                                 |             | Yes                                   |       | Yes                                   |           | Yes                                   |           |

<sup>1</sup>) according to SAE J1349 <sup>2</sup>) including hydraulic and engine oil, fuel and couplers

<sup>3</sup>) sound level with tool(s) at max. pressure at 3.28 ft (1 m) distance according to EN 13204



## Compact Pumps

| Model                                 |       |     | DPU 31                                |       | SPU 16                               |       |
|---------------------------------------|-------|-----|---------------------------------------|-------|--------------------------------------|-------|
| article number                        |       |     | 158.152.111                           |       | 158.152.172                          |       |
| operator type                         |       |     | gas engine                            |       |                                      |       |
| max. working pressure                 | psi   | bar | 10,443                                | 720   | 10,443                               | 720   |
| number of tool connections            |       |     | 2                                     |       | 1                                    |       |
| number of tools simultaneously usable |       |     | 2                                     |       | 1                                    |       |
| pump type                             |       |     | 2x2-stage axial pump                  |       | 3-stage axial pump                   |       |
| engine                                |       |     | 4-stroke Honda                        |       |                                      |       |
| number of stages                      |       |     | 2                                     |       | 3                                    |       |
| first stage pressure range            | bar   | Mpa | 0-190                                 | 0-19  | 0-130                                | 0-13  |
| second stage pressure range           | bar   | Mpa | 190-720                               | 19-72 | 130-280                              | 13-28 |
| third stage pressure range            | bar   | Mpa | NA                                    |       | 280-720                              | 28-72 |
| capacity fuel tank                    | oz    | cc  | 42.3                                  | 1,250 | 33.9                                 | 1,000 |
| continuous operation                  |       |     | 4 hrs                                 |       | 3 hrs                                |       |
| sound emission (unloaded)             | dB(A) |     | 68                                    |       | 72                                   |       |
| capacity oil tank (effective)         | oz    | cc  | 84.2                                  | 2,490 | 57.5                                 | 1700  |
| weight, ready for use                 | lb    | kg  | 55.1                                  | 25    | 37.8                                 | 17.15 |
| dimensions (LxWxH)                    | in    | mm  | 23.6 x 11.4 x 16.7<br>600 x 290 x 425 |       | 20.9 x 9.9 x 15.3<br>530 x 252 x 388 |       |
| temperature range                     |       |     | -4 + 131°F (-20 + 55°C)               |       |                                      |       |
| NFPA 1936 2015 compliant              |       |     | Yes                                   |       | Yes                                  |       |

\*noise level with 2 tools at max. pressure, acc. to EN 13204: 81.2 dB. \*\*noise level at 3.28 ft (1 m) distance: 79 dB.



DPU 31



SPU 16

## ↓ FEATURES & BENEFITS

### DPU 31

#### CORE Technology™

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

#### Simultaneous operation of two rescue tools

#### Large hydraulic oil capacity

- Enough oil to operate two tools at the same time

#### Extremely low weight with excellent center of gravity

- Can easily be carried by one person

#### Very low noise level

- More comfortable for the patient
- Quieter and thus better workplace for rescuers

#### Non-toxic mineral oil

- Environmentally friendly

#### LED lighting

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

### SPU 16

#### CORE Technology™

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

#### 3-stage pump technology

- Much higher flow/speed in 2nd stage for quicker rescue operations

#### Standard in ECO mode: Electronic engine speed control

- Engine speed increases automatically to maximum when tool is used. When tool is not used, engine reverts to idle speed.
- Minimizes noise level at the rescue scene
- Minimizes fuel use

#### LED lighting

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

**Manual Pumps**



| Model                            |  |          | PA 04 H 2 S                         |      | PA 09 H 2 S                         |      | PA 09 H 2 C                         |      | PA 18 H 2 C                         |       | PA 18 F 2 C                         |       |
|----------------------------------|--|----------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|------|-------------------------------------|-------|-------------------------------------|-------|
| article number                   |  |          | 150.142.046                         |      | 150.142.068                         |      | 150.142.054                         |      | 150.142.056                         |       | 150.142.060                         |       |
| operator type                    |  |          | hand                                |      |                                     |      |                                     |      |                                     |       | foot                                |       |
| equipped with (connector type)   |  |          | single hose                         |      |                                     |      | CORE                                |      |                                     |       |                                     |       |
| max. working pressure            |  | psi/ bar | 10,443/ 720                         |      |                                     |      |                                     |      |                                     |       |                                     |       |
| oil tank capacity (effective)    |  | oz cc    | 13.9                                | 410  | 30.4                                | 900  | 30.4                                | 900  | 60.9                                | 1,800 | 60.9                                | 1,800 |
| number of stages                 |  |          | 2                                   |      |                                     |      |                                     |      |                                     |       |                                     |       |
| first stage output (per stroke)  |  | oz cc    | 0.62                                | 18.4 | 0.74                                | 21.8 | 0.74                                | 21.8 | 1.45                                | 42.8  | 1.45                                | 42.8  |
| second stage output (per stroke) |  | oz cc    | 0.05                                | 1.4  | 0.07                                | 2.1  | 0.07                                | 2.1  | 0.1                                 | 3.1   | 0.1                                 | 3.1   |
| weight, ready for use            |  | lb kg    | 7.7                                 | 3.5  | 10.6                                | 4.8  | 10.6                                | 4.8  | 17                                  | 7.7   | 18.5                                | 8.4   |
| dimensions (L x W x H)           |  | in mm    | 19.1 x 5.3 x 6.5<br>485 x 135 x 165 |      | 26.3 x 5.3 x 6.7<br>667 x 135 x 170 |      | 26.1 x 5.3 x 6.7<br>664 x 135 x 170 |      | 29.3 x 6.3 x 6.9<br>745 x 160 x 175 |       | 30.3 x 6.3 x 6.6<br>769 x 160 x 168 |       |
| temperature range                |  |          | -4°F to +131 °F (-20°C to +55°C)    |      |                                     |      |                                     |      |                                     |       |                                     |       |





## Holmatro Quick Fix & Release Bracket: The innovative pump securing system saving time, effort and space



### For quick release of the pump

- Simply press the handle and slide it to the side to unlock the pump, then slide the pump from the bracket
- Saves precious time during a rescue operation, when every second counts



### For quick securing of the pump

- Simply put the pump on the bracket and push the handle back to the locked position
- Saves time and effort when packing up your vehicle after the rescue operation



### Ergonomic

- Slide mechanism reduces strain on rescuers when removing and stowing the pump

### Safe

- 2-step unlocking system helps prevent accidental release



### Universal mounting

- Suitable for use in most vehicles
- Quick and easy mounting



### Protects the pump from damage

- Pump is secured and locked to the base
- No movement of pump, even when the ride is bumpy



### Saves space

- Takes up less space in the rescue vehicle than traditional pump securing systems
- No additional space required to release the pump



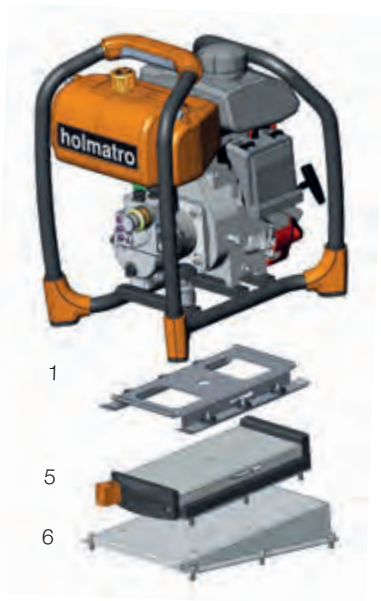
### 2 configurations available

- With angle mounting plate for easier removal and stowage of the pump in higher truck compartments
- Flat version for use in lower compartments

# → Quick Fix & Release Bracket

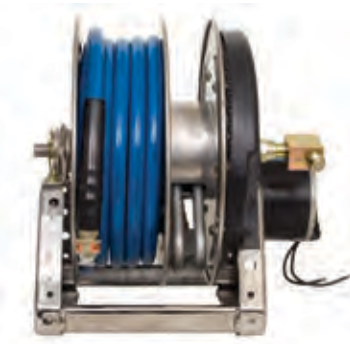
| No. | Description  | For Pump Type  | Article Number |
|-----|--|----------------|----------------|
| 1   | Mounting plate pump side for Quick Fix & Release Bracket. To mount pump on bracket.  | SR 10          | 150.062.189    |
| 2   | Mounting plate pump side for Quick Fix & Release Bracket. To mount pump on bracket.  | SR 20          | 150.062.190    |
| 3   | Mounting plate pump side for Quick Fix & Release Bracket. To mount pump on bracket.  | SPU 16 BC / PC | 150.062.192    |
| 4   | Mounting plate pump side for Quick Fix & Release Bracket. To mount pump on bracket.  | DPU 31 PC      | 150.062.191    |
| 5   | Quick Fix & Release Bracket*. To secure pump in rescue vehicle, for quick & easy access to pump.   | universal      | 150.062.188    |
| 6   | Angle mounting plate truck side for Quick Fix & Release Bracket. To mount bracket under an angle. For easier removal and stowage of the pump in higher truck compartments. | universal      | 150.062.193    |

\* Includes mounting hardware





## Electric Rewind Hose Reels



DHR60C



DHR100C



HR5415



HR5515

| Model                           | DHR60C                           |             | DHR100C          |                 | HR5415         |                 | HR5515            |                 |                    |                 |
|---------------------------------|----------------------------------|-------------|------------------|-----------------|----------------|-----------------|-------------------|-----------------|--------------------|-----------------|
| article number                  | 158.072.065                      |             | 158.072.035      |                 | 158.072.114    |                 | 158.072.119       |                 |                    |                 |
| equipped with (connector type)  | CORE                             |             |                  |                 |                |                 |                   |                 |                    |                 |
| max. working pressure           | psi/ bar                         | 10,443/ 720 |                  |                 |                |                 |                   |                 |                    |                 |
| operator type                   | electric motor                   |             | electric motor   |                 | manual         |                 | manual            |                 |                    |                 |
| length hose on single hose reel | ft                               | m           | 60               | 18.2879         | 100            | 30.5            | 50                | 15              | 50                 | 15.24           |
| weight, ready for use           | lb                               | kg          | 74.1             | 33.6            | 89.3           | 40.5            | 38.1              | 17.3            | 76.5               | 34.7            |
| dimensions (L x W x H)          | in                               | mm          | 19 x 17.6 x 18.1 | 483 x 448 x 460 | 19 x 21.5 x 18 | 483 x 546 x 457 | 20.7 x 9.9 x 20.5 | 526 x 251 x 521 | 20.7 x 19.6 x 20.5 | 526 x 497 x 521 |
| temperature range               | -4°F to +131 °F (-20°C to +55°C) |             |                  |                 |                |                 |                   |                 |                    |                 |

**Manual hose reel colors available in orange or blue**

## Hydraulic Hoses

| Model                      | CORE Technology™  |                       |
|----------------------------|---|-----------------------|
| bend restrictors           | black injection molded rubber                                 |                       |
| primary features           | shielded pressure CORE & auto return valve built into coupler |                       |
| available colors           | orange, green, blue, black                                    |                       |
| standard available lengths | ft/ m   | 16, 32, 50/ 5, 10, 15 |
| weight                     | 5.5 lbs (16 ft)<br>10.4 lbs (32 ft)<br>15.2 lbs (50 ft)       |                       |
| NFPA 1936 2015 compliant   | Yes   |                       |



CORE Technology™ Hydraulic Hose

Plumbed from the power unit to the bumper or outboard panel, bulkhead fittings save roughly 80% in compartment space and at least 50% in cost versus traditional hose reels.

### Standard Features

- Compact: Saves compartment space
- Allows remote connection in bumper, inside compartments and on the outside of apparatus
- Easy installation: Instruction manual includes installation template
- Plug and Play: Connect any standard length Core Technology™ hose and rescue tool
- Create a remote hydraulic power connection anywhere on the apparatus (hydraulic rescue power on-tap)

### Bulkhead System

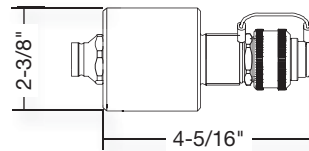
With CORE Technology, simply connect the hose to the power unit, secure and route the hose to the bulkhead fitting, plug in and the installation is complete. Rescuers connect a hand line hose to the rescue tool pre-connect outlet and they're ready to go.

### Typical System Comparison

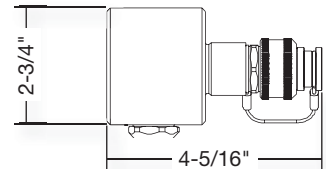
| CORE Bulkhead Fitting System             | Quantity | Weight        | Footprint      |
|--|----------|---------------|----------------|
| SR 20 Pump (gas, electric, or hydraulic) | 1        | 50 lb         | 6.0 cu ft      |
| Hose, CORE 16'                           | 2        | 11 lb         | 0.5 cu ft      |
| Fitting Bulkhead CORE w\cover            | 2        | 10 lb         | 0.5 cu ft      |
| Hose, CORE 50'                           | 2        | 30 lb         | 2.0 cu ft      |
| <b>TOTAL</b>                             |          | <b>126 lb</b> | <b>9 cu ft</b> |

| 100' CORE Hose Reel System               | Quantity | Weight        | Footprint         |
|--|----------|---------------|-------------------|
| SR 20 Pump (gas, electric, or hydraulic) | 1        | 50 lb         | 6.0 cu ft         |
| Hose, CORE 16'                           | 2        | 11 lb         | 0.5 cu ft         |
| DHR100C CORE Reel                        | 2        | 180 lb        | 12 cu ft          |
| <b>TOTAL</b>                             |          | <b>266 lb</b> | <b>18.5 cu ft</b> |

Straight Bulkhead Fitting



90° Bulkhead Fitting



no cover



with cover





# → Bulkhead Selector Valve

The CORE Selector Valve is designed to work in conjunction with CORE Bulkheads. It directs flow from an output of the power unit with an A-B switch to either one of two bulkheads. When combined with a duo pump, for example, two selector valves can control four bulkheads. It was developed by Holmatro USA as a low cost option for customers who want multiple access points to CORE Bulkheads on their apparatus for on-scene flexibility, without adding power units that consume budgets, space, and add weight.

### Ultra Compact

- Save compartment space

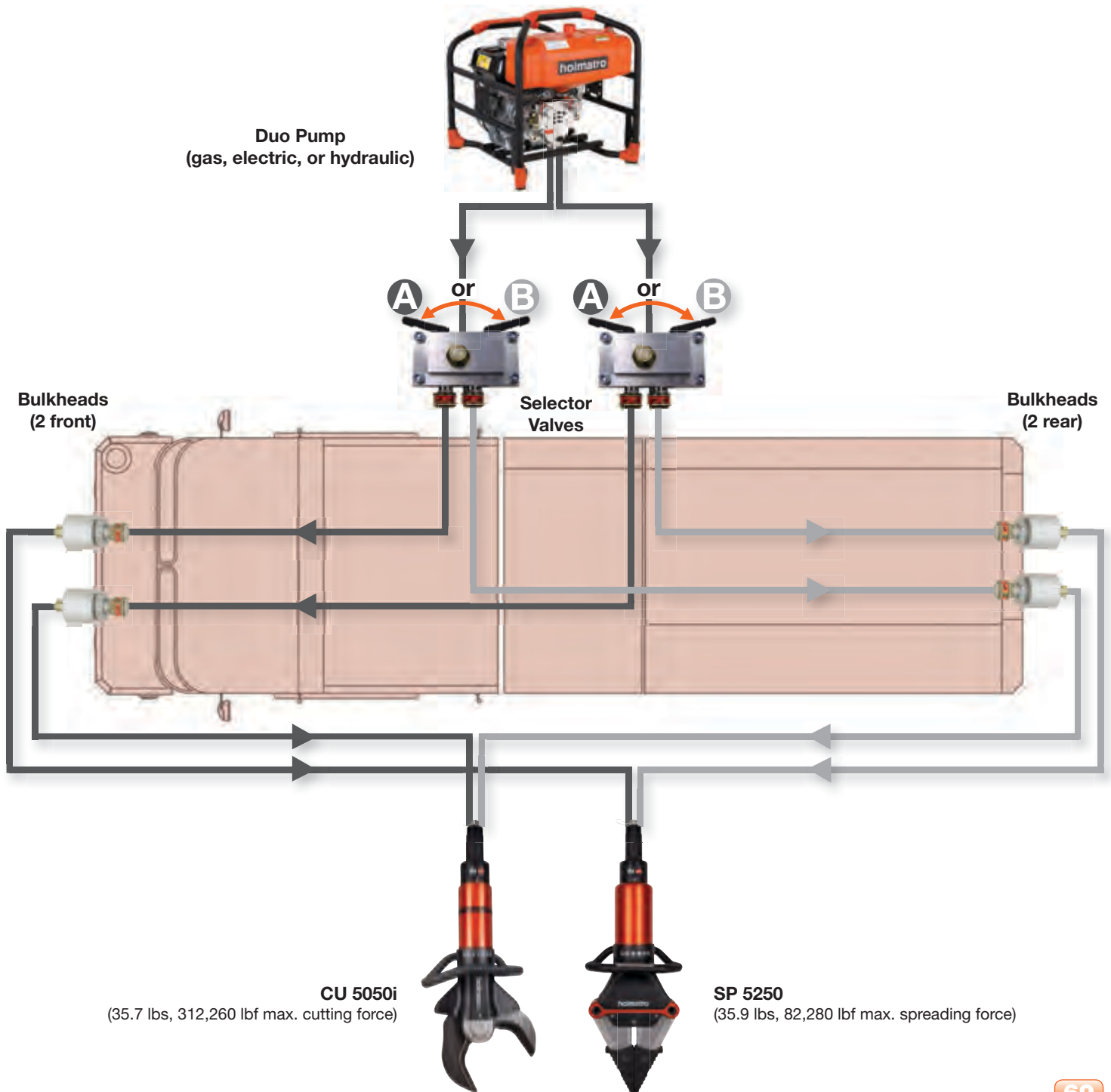
### Allows Remote Connection

- In bumper, inside compartments, on outside of apparatus

### Easy Installation

### Allows "Plug and Play"

- Connect any standard length Core Technology™ hose and rescue tool





SMC 5006



CU 4007



HMC 8U



| Model                                     |     |    | CU 4007        |     | SMC 5006         |       | HMC 8U           |      |
|---|-----|----|----------------|-----|------------------|-------|------------------|------|
| article number                            |     |    | 158.012.107    |     | 158.012.169      |       | 158.012.048      |      |
| max. cutting opening                      | in  | mm | 2.3            | 59  | 1                | 25    | 1.6              | 40   |
| max. cutting force                        | lbf | kN | 49,458         | 220 | 43,501           | 193.5 | 18,740           | 83.4 |
| weight, ready for use (single line hose)  | lb  | kg | 8.6            | 3.9 | 14.3             | 6.5   | 6.6              | 3    |
| dimensions (L x W x H) (single line hose) | in  |    | 15 x 2.8 x 5.3 |     | 14.4 x 4.8 x 9.3 |       | 13.1 x 2.4 x 3.4 |      |
|   | mm  |    | 380 x 72 x 135 |     | 366 x 123 x 235  |       | 333 x 62 x 86    |      |

- **Compact, lightweight design**  
- easy to use in confined spaces

**SMC 4006**

- **Adjustable rotating carry handle**  
- simplifies cutting at various angles
- **Designed to cut round hardened materials**  
- saves your rescue cutter blades



**CU 4007**

- **Blades optimized for both round and flat profiles**  
- suitable for many different applications (e.g. cutting car pedals, head restraints and, in USAR operations, re-bar)
- **Push-button control**  
- easy one-handed positioning and operation

**HMC 8U manual cutter kit**

- **Cuts steering wheel spokes, rebar, etc.**
- **Creates more space quickly and easily**
- **Complete self contained kit available**  
- includes cutter, hand pump, 6 ft (1.83 m) hose, and storage box



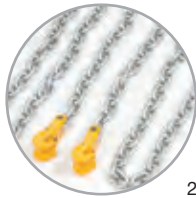


**5000 Series (only for model 5117)**

| Item                      | Article Number |
|---------------------------|----------------|
| 1 Pulling attachments set | 150.182.241    |
| 2 Pulling chains set      | 150.582.548    |



1



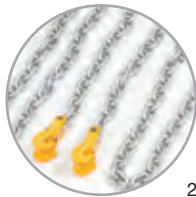
2

**Hand-operated combi tools**

| Item  | Article Number |
|---|----------------|
| 1 Pulling attachments set (HCT 5117, HCT 5117 RH) | 150.182.241    |
| 2 Pulling chains set (HCT 5117, HCT 5117 RH)      | 150.582.548    |
| 3 Carrying/storage bag (HCT 5111 RH, HCT 5117 RH) | 150.182.227    |
| 4 Carrying strap                                  | 150.582.506    |
| 5 Backpack  | 158.553.011    |



1



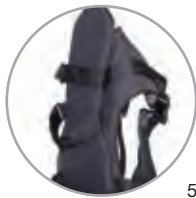
2



3



4



5

**5000 Series Spreaders**

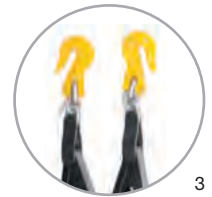
| Item  | Article Number |
|---|----------------|
| 1 Cutting tips, set (SP 5240, SP 5250)  | 150.006.474    |
| Cutting tips, set (SP 5260, SP 5280)  | 150.006.466    |
| 2 Pulling attachments (SP 5240 CL)  | 150.182.273    |
| 3 Pulling attachments (SP 5240, SP 5250)  | 150.182.274    |
| 4 Pulling attachments (SP 5260, SP 5280)  | 150.182.275    |
| 5 Pulling chains (SP 5240 CL, SP 5240, SP 5250)   | 150.582.152    |
| Pulling chains (SP 5260, SP 5280)   | 150.582.261    |
| 6 Accessories, set in case (SP 5240 CL, SP 5240, SP 5250)   | 158.582.009    |
| Accessories, set in case (SP 5260, SP 5280)   | 158.582.010    |
| 7 Accessories, set in case (2 spreading tips, 2 pulling attachments) (SP 5240 CL)                       | 158.182.072    |
| 8 Accessories, set in case (2 cutting tips, 2 spreading tips, 2 pulling attachments) (SP 5240, SP 5250) | 158.182.073    |
| 9 Accessories, set in case (2 cutting tips, 2 spreading tips, 2 pulling attachments) (SP 5260, SP 5280) | 158.182.074    |



1



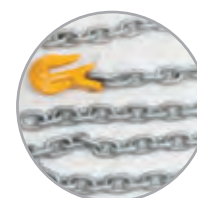
2



3



4



5



6



7



8



9

**Rams\***

1. Base plate
2. Piercing point
3. Wedge head
4. Spare cross head
5. Pulling attachment set
6. Chains with hooks

Extension pipes can only be mounted on the fixed base of the 4321 and 4331

7. Ram extension, 6.5 in | 165 mm
8. Ram extension, 13.8 in | 350 mm
9. Ram extension, 19.7 in | 500 mm
10. Extension pipe TR5340, 9.8 in | 250 mm
11. Extension pipe TR5340, 17.7 in | 450 mm
12. Storage case, small
13. Storage case, large
14. AS 4300 A Accessory Kit
15. AS 4300 B Accessory Kit



\*Ram accessories not designed be used with telescopic and extendo rams





# Rescue Assist





The V-strut is designed to stabilize cars quickly, easily and safely. Incorporating an integrated head, slip resistant base plate and tensioning belt with hook and ratchet mechanism, this all-in-one tool is ready for immediate use.

Although the V-Strut has a high load capacity of 3,597 lbf (16 kN), it weighs just 15.9 lb (7.2 kg). This means it's easy to carry and handle. The auto-lock system enables you to set it up in no time. Simply extend it to the required length and it locks automatically. With locking steps every 1.18 in (30 mm), accurate positioning is easy, whether the car is on its side or roof.

- All-in-one solution
- No loose parts
- Rapid deployment for set-up in as little as 15 seconds

- Unique auto-lock system
- Squeeze and push mechanism
- Extremely lightweight
- Serrated, multi-purpose head
- Tensioning belt
- Snap hook
- Reel for tensioning belt
- High shoring capacity
- Base plate with slip resistant profile
- Heat resistant cover

### V-Strut Vehicle Stabilization

| Model                  |          |    | V-Strut                              |       |
|------------------------|----------|----|--------------------------------------|-------|
| article number         |          |    | 150.062.158                          |       |
| max. axial load        | lbf      | kN | 3,597                                | 16    |
| closed length          | in       | mm | 42.5                                 | 1,080 |
| number of stroke steps |          |    | 24                                   |       |
| stroke step size       | in       | mm | 1.18                                 | 30    |
| total stroke           | in       | mm | 28.35                                | 720   |
| extended length        | in       | mm | 70.9                                 | 1,800 |
| weight                 | lb       | kg | 17.4                                 | 7.9   |
| dimensions (L x W x H) | in<br>mm |    | 42.5 x 5.9 x 8.3<br>1080 x 149 x 210 |       |
| length tensioning belt | ft       | m  | 16.4                                 | 5     |



### V-Strut Accessories

- Carrying/storage bag V-strut: 150.182.284
- PowerShore base support plate: 150.011.519
- Sheet metal knife: 150.062.183
- Hook cluster: 158.011.003





## Hydraulic Door Opener

| Model                   |     |    | HDO 100                            |     |
|-------------------------|-----|----|------------------------------------|-----|
| article number          |     |    | 158.062.004                        |     |
| stroke                  | in  | mm | 5.1                                | 130 |
| spreading force         | lbf | kN | 22,481                             | 100 |
| weight, ready for use*  | lb  | kg | 14.8                               | 6.7 |
| dimensions (L x W x H)* |     |    | 11.8 x 4.7 x 3.9<br>300 x 120 x 98 |     |

\*tool only

- **Complete Self Contained Kit**
  - HDO 100 door opener
  - PA 04 H 2 S hand pump with 6 ft (2 m) hose
  - storage case
- **Rotating Hose Connection**
  - pigtail hose w/continuous swivel and locking quick-connect coupler
  - swivel handle



HDO 100

## Concrete Crusher

| Model                  |     |     | CC 23                                |      |
|------------------------|-----|-----|--------------------------------------|------|
| article number         |     |     | 150.012.295                          |      |
| max. working pressure  | psi | bar | 10,443                               | 720  |
| max. opening           | in  | mm  | 9.1                                  | 230  |
| crushing force         | lbf | kN  | 25,403                               | 113  |
| weight, ready for use  | lb  | kg  | 42.1                                 | 19.1 |
| dimensions (L x W x H) |     |     | 32.1 x 16.3 x 8.5<br>815 x 415 x 217 |      |



CC 23

## Tool Station

PVC coated polyester canvas drop cloth to position tools on.

|                       |    |    |                            |     |
|-----------------------|----|----|----------------------------|-----|
| article number        |    |    | 150.182.044                |     |
| weight, ready for use | lb | kg | 8.2                        | 3.7 |
| dimensions (L x W)    |    |    | 8.2 x 6.6<br>2,500 x 2,000 |     |



## Sharp Edge Protection Covers

Set with polyester covers and blankets to cover sharp edges which remain after cutting.

**SEP5** (Article number: 150.581.676) Set supplied with:

- Quantity 2 — 10.2 x 11.8 in (260 x 300 mm) 150.583.141
- Quantity 2 — 23.6 x 23.6 in (600 x 600 mm) 150.583.140
- Quantity 1 — 59 x 23.6 in (1500 x 600 mm) 150.583.138

**SEP10** (Article number: 150.581.677) Set supplied with:

- Quantity 4 — 10.2 x 11.8 in (260 x 300 mm) 150.583.141
- Quantity 4 — 23.6 x 23.6 in (600 x 600 mm) 150.583.140
- Quantity 2 — 59 x 23.6 in (1500 x 600 mm) 150.583.138



## Secunet III

Airbag protection cover; woven aramid fiber material.

|                             |             |                                    |     |     |
|-----------------------------|-------------|------------------------------------|-----|-----|
| article number              | 350.182.089 |                                    |     |     |
| weight, ready for use       | lb          | kg                                 | 1.8 | 0.8 |
| for steering wheel diameter | in<br>mm    | 13.8 - 20.1<br>350 - 510           |     |     |
| dimensions (L x W)          | in<br>mm    | 10.6 x 6.9 x 3.3<br>268 x 175 x 85 |     |     |



## Rescue Support Bag

|                       |             |    |     |     |
|-----------------------|-------------|----|-----|-----|
| article number        | 150.182.155 |    |     |     |
| weight, ready for use | lb          | kg | 3.3 | 1.5 |

### Standard supplied with:

- Tire deflator
- Seatbelt cutter
- Trim removal tools (hook and fork tool)
- Window punch
- Flexible steel rule
- Marker pen
- Mini LED torch
- Multi-cutter
- Waist and thigh strap



## Extrication Gloves

- SuperFabric® brand material palm provides
- ISEA Level 5 cut resistance
- Durable TP-X® palm and fingertip reinforcement for abrasion resistance, while maintaining an oil-resistant grip
- Back-of-hand impact protection system to dissipate forceful blows over a large area
- A double stitched core-spun thread on exterior and interior seams adds durability
- Reinforced index finger and thumb saddle extends glove life
- SlipFit® and anti-debris cuff assists a quick on and off between tasks
- Hi-Vis Holmatro orange color scheme
- Machine washable

### Item Description

- 988.005.004 Extrication glove 4013E-7 SMALL
- 988.005.005 Extrication glove 4013E-8 MEDIUM
- 988.005.006 Extrication glove 4013E-9 LARGE
- 988.005.007 Extrication glove 4013E-10 XL
- 988.005.008 Extrication glove 4013E-11 XXL



## Glass Management & Sharp Edge Protection

|                       |             |    |     |     |
|-----------------------|-------------|----|-----|-----|
| article number        | 150.182.045 |    |     |     |
| weight, ready for use | lb          | kg | 6.4 | 2.9 |





# Lifting Solutions





HLB 1  
HLB 3  
HLB 5  
HLB 10  
HLB 12  
HLB 20  
HLB 32  
HLB 40  
HLB 67



HLB 18  
HLB 24

| Model                         |                 | HLB 1 | HLB 3 | HLB 5  | HLB 10 | HLB 12 | HLB 18 | HLB 20 | HLB 24 | HLB 32 | HLB 40 | HLB 67  |
|-------------------------------|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| max. effective lifting force* | lb              | 2,247 | 7,866 | 11,237 | 22,473 | 26,968 | 40,452 | 44,754 | 53,793 | 71,914 | 89,728 | 149,914 |
|                               | kN              | 10    | 35    | 50     | 100    | 120    | 180    | 200    | 240    | 320    | 400    | 670     |
| max. inflation height         | in              | 3.1   | 5.1   | 5.9    | 8.5    | 8.9    | 9.4    | 11.4   | 8.5    | 15     | 15.9   | 20.5    |
|                               | mm              | 80    | 130   | 150    | 215    | 225    | 240    | 290    | 215    | 380    | 405    | 520     |
| length                        | in              | 6     | 9     | 11     | 15     | 16     | 26     | 20     | 13     | 26     | 28     | 36      |
|                               | mm              | 150   | 228   | 270    | 380    | 408    | 660    | 508    | 310    | 658    | 708    | 908     |
| width                         | in              | 6     | 9     | 11     | 15     | 16     | 15     | 20     | 40     | 26     | 28     | 36      |
|                               | mm              | 150   | 228   | 270    | 380    | 408    | 360    | 508    | 1,000  | 658    | 708    | 908     |
| weight                        | lb              | 1.3   | 3.3   | 4.4    | 8.4    | 11     | 15     | 14.8   | 20.9   | 28.7   | 33.3   | 51.8    |
|                               | kg              | 0.6   | 1.5   | 2      | 3.8    | 5      | 6.8    | 6.7    | 9.5    | 13     | 15.1   | 23.5    |
| thickness                     | in              | 0.875 |       |        |        | 1      |        |        |        |        |        |         |
|                               | mm              | 22    |       |        |        | 25     |        |        |        |        |        |         |
| air volume                    | ft <sup>3</sup> | 0.22  | 0.57  | 0.79   | 2.7    | 3.18   | 6.04   | 6.67   | 7.63   | 15.89  | 19.71  | 42.59   |
|                               | ℓ               | 6.3   | 16.2  | 22.5   | 76.5   | 90     | 171    | 189    | 216    | 450    | 558    | 1,206   |



## Bags Included in Packages

| pkg.     | HLB 1 | HLB 3 | HLB 5 | HLB 10 | HLB 12 | HLB 18 | HLB 20 | HLB 24 | HLB 32 | HLB 40 | HLB 67 |
|----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| pkg. 9   | 1     | 1     | 1     |        |        |        |        |        |        |        |        |
| pkg. 32  |       |       |       |        | 1      |        | 1      |        |        |        |        |
| pkg. 42  |       |       |       |        |        | 1      |        | 1      |        |        |        |
| pkg. 44  |       |       |       |        | 1      |        |        |        | 1      |        |        |
| pkg. 52  |       |       |       |        | 1      |        | 2      |        |        |        |        |
| pkg. 56  |       |       |       |        | 1      |        | 1      | 1      |        |        |        |
| pkg. 64  |       |       |       |        | 1      |        | 1      |        | 1      |        |        |
| pkg. 120 |       |       |       |        | 1      |        | 1      | 1      | 2      |        |        |
| pkg. 245 |       |       |       |        | 1      | 1      | 1      | 1      | 2      | 1      | 1      |

- **Eleven sizes available**
  - a lifting bag for every job
- **Now with reflective markings for better night visibility**
- **Revolutionary new non-slip design**
  - maximum grip on all surfaces
  - interlocking when 2 bags are used on top of each other
- **Unique low profile edges**
  - easy insertion with minimal clearance
- **Reinforced with 3 para-aramid inlays**
  - lightweight
  - highly flexible
  - proven durability
- **Centering cross on both sides**
- **Chemical and ozone resistant**
- **Carrying straps on HLB 40 and HLB 67 are mounted in threaded connection holes**





| Model                       |                 |    | LAB 4 U                   |      | LAB 6 U                   |      | LAB 9 U                     |       | LAB 16 U                  |       |
|-----------------------------|-----------------|----|---------------------------|------|---------------------------|------|-----------------------------|-------|---------------------------|-------|
| lifting capacity (per pair) | lb              | kN | 8,800                     | 35.3 | 13,250                    | 56.9 | 19,850                      | 80.4  | 35,300                    | 143.2 |
| dimensions in storage bag   | in              | mm | 27.5 square<br>686 square |      | 33.5 square<br>851 square |      | 41.3 square<br>1,050 square |       | 52 square<br>1,321 square |       |
| weight, per pair            | lb              | kg | 20                        | 9    | 42                        | 19   | 61                          | 27,7  | 154                       | 69,9  |
| height deflated             | in/ mm          |    | 2.3/ 59                   |      |                           |      |                             |       |                           |       |
| height inflated             | in/ mm          |    | 24.4/ 619                 |      |                           |      |                             |       |                           |       |
| air contents (per pair)     | ft <sup>3</sup> | ℓ  | 16                        | 453  | 25                        | 708  | 36                          | 1.019 | 65                        | 1.841 |

- **Four sizes available**  
- a lifting bag for every job
- **High chemical resistance**
- **Top and bottom surface reinforced**  
- wear-resistant  
- non-slip





## Power Wedge



PW 5624

| Model                  |        | PW 5624                             |     |  |  |
|------------------------|--------|-------------------------------------|-----|--|--|
| article number         |        | 158.062.228                         |     |  |  |
| wedge angle            |        | 15 degrees                          |     |  |  |
| hydraulic system       |        | double acting                       |     |  |  |
| min. insertion         | in mm  | 0.2                                 | 6   |  |  |
| lifting height         | in mm  | 2                                   | 51  |  |  |
| max spreading force    | lbf kN | 56,877                              | 253 |  |  |
| weight, ready for use  | lb kg  | 20.3                                | 9.2 |  |  |
| dimensions (L x W x H) | in mm  | 25.5 x 8.9 x 7.4<br>648 x 225 x 188 |     |  |  |

## Aluminum Jacks



HLJ 50 A 6

HLJ 50 A 10

| Model                 |        | HLJ 50 A 6  |     | HLJ 50 A 10 |     |
|-----------------------|--------|-------------|-----|-------------|-----|
| article number        |        | 150.112.060 |     | 150.112.059 |     |
| lifting capacity      | lbf kN | 114,653     | 510 | 114,653     | 510 |
| closed length         | in mm  | 5.9         | 150 | 7.7         | 196 |
| stroke                | in mm  | 2.4         | 61  | 4.1         | 104 |
| weight, ready for use | lb kg  | 15.4        | 7   | 19.2        | 8.7 |

Recommend use with PA 09 H 2 S hand pump

## Toe-Jack

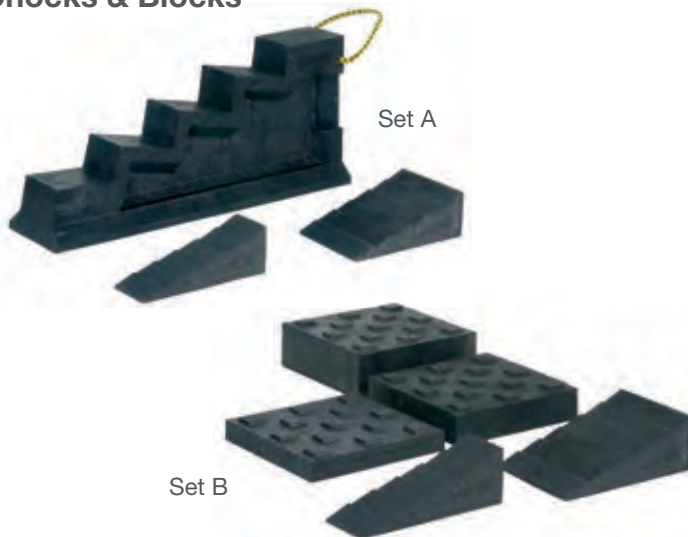


TJ 3610

| Model                            |       | TJ 3610     |      |  |  |
|----------------------------------|-------|-------------|------|--|--|
| article number                   |       | 158.012.025 |      |  |  |
| max. capacity (middle of saddle) | lb kN | 26,500      | 118  |  |  |
| max. force (on toe)              | lb kN | 22,000      | 98   |  |  |
| lifting height / plunger stroke  | in mm | 9.8         | 250  |  |  |
| closed height                    | in mm | 17.6        | 448  |  |  |
| min. insertion height toe        | in mm | 2.2         | 56   |  |  |
| weight, ready for use            | lb kg | 45.2        | 20.5 |  |  |

Recommend use with PA 09 H 2 S hand pump

## Chocks & Blocks



Set A

Set B

| Component                    | approx. dimensions (L x W x H)         | Set A       | Set B       |
|------------------------------|--|-------------|-------------|
| article number               |  | 158.562.004 | 158.562.005 |
| step chock                   | 24½ x 6 x 10¼ in<br>622 x 152 x 273 mm | 2 qty.      | —           |
| small wedge<br>3 in (75 mm)  | 9 x 3 x 3 in<br>229 x 76 x 76 mm       | 2 qty.      | 2 qty.      |
| large wedge<br>6 in (150 mm) | 9 x 6 x 3 in<br>229 x 152 x 76 mm      | 2 qty.      | 2 qty.      |
| thin lock<br>block           | 9 x 9 x 1 in<br>229 x 229 x 25 mm      | —           | 2 qty.      |
| medium lock<br>block         | 9 x 9 x 2 in<br>229 x 229 x 51 mm      | —           | 2 qty.      |
| thick lock<br>block          | 9 x 9 x 3 in<br>229 x 229 x 76 mm      | —           | 2 qty.      |

## Struts with Pneumatic/Hydraulic Cylinders



AS 3 Q 5 FL



AS 3 L 5+



HS 1 Q 5 FL



HS 1 L 5+

PowerShore™ is a patented and versatile shoring system consisting of many lightweight components that can be coupled quickly. A broad range of accessories and many cylinder and extension pipe lengths allows for quick and easy shoring of vehicles, trenches and buildings. Cylinders are available with integrated pneumatic and mechanical struts, or powerful hydraulic cylinders with tremendous lifting capacity. All struts have female socks on both ends for quick attachment of our snap-on system saddles and extensions.

### Struts with Pneumatic Cylinder

Struts with an integrated pneumatic cylinder have a maximum working pressure of only 116 psi (8 bar), making them suitable for use with bottled air or compressors. The pneumatic operation offers rapid placement as well as limited lifting capacity.

### Struts with Hydraulic Cylinder

Struts with an integrated hydraulic cylinder are activated using an external, single acting hand pump for precise control. With a maximum working pressure of 10,443 psi (720 bar) these struts have incredible lifting capacity of up to 22,400 lbf (99.8 kN). Retracting the cylinder is assisted by a spring return when hydraulic pressure is released, using a needle valve on the pump.

### Pneumatic and Hydraulic Struts come in two versions:

**“Q” Quick lock** versions incorporate a plunger with an automatic locking mechanism in 0.375 in (9 mm) steps. The integrated spacer, a spring operated flex mechanism, has a 0.5 in (13 mm) stroke. This space is compressed to overcome one step of the quick lock system, pretensioning the strut to a maximum of 900 lbf (4 kN). Releasing the locking mechanism is required before retracting the plunger.

**“L” Lock Nut** versions have a threaded plunger and lock nut. When the plunger is extended the lock nut may be manually secured at virtually any length. This provides positive locking at virtually any length and the cylinder pressure may be released without destabilizing the strut. Axial displacement per rotation of the lock nut is 0.625 in (16.5 mm).

| Model                      |                      | AS 3 Q 5 FL | AS 3 Q 10 FL | AS 3 L 5 + | AS 3 L 10 + | HS 1 Q 5 FL  | HS 1 Q 10 FL | HS 1 L 5 + | HS 1 L 10 + |
|----------------------------|----------------------|-------------|--------------|------------|-------------|--------------|--------------|------------|-------------|
| retracted length           | in/ mm               | 25/ 632     | 43/ 1,092    | 22.6/ 575  | 41/ 1,035   | 25/ 632      | 43/ 1,092    | 22.6/ 575  | 41/ 1,035   |
| stroke                     | in/ mm               | 10/ 252     |              |            |             |              |              |            |             |
| weight                     | lb/ kg               | 18.5/ 8.4   | 24.7/ 11.2   | 16.1/ 7.3  | 22.3/ 10.1  | 22.7/ 10.3   | 28.7/ 13     | 20.3/ 9.2  | 26.2/ 11.9  |
| working pressure           | psi/ bar             | 116/ 8      |              |            |             | 10,443/ 720  |              |            |             |
| force at working pressure  | lbf/ kN              | 900/ 4      |              |            |             | 22,400/ 99.8 |              |            |             |
| oil contents @ max. stroke | in <sup>3</sup> / cc | —           |              |            |             | 21.11/ 346   |              |            |             |



## Mechanical Struts



| Model            |        | MS 2 L 2 + | MS 2 L 5 + |
|------------------|--------|------------|------------|
| locking system   |        | thread     | lock nut   |
| retracted length | in/ mm | 9.8/ 250   | 22.6/ 575  |
| stroke           | in/ mm | 4.7/ 120   | 10/ 252    |
| weight           | lb/ kg | 7.7/ 3,5   | 14.8/ 6,7  |

### Mechanical struts

With no air or hydraulics required, mechanical struts offer quick, adjustable placement and stabilization. Female receptors on both ends allow mechanical struts to be used with extensions and snap-on saddles.

### Thread

The strut is extended and retracted via integral threads, making it self-retaining. Axial displacement per strut rotation is 0.625 in (16.5 mm).

### Lock nut

The plunger is manually extended and the lock nut is used to secure the strut. Axial displacement per lock nut rotation is 0.625 in (16.5 mm).

## Extension Pipes



Except for the FX 1, all extensions are equipped with a male snap-lock on one end and a female on the other. The FX 1 is a double female that is used for connecting saddles to the male end of an extension pipe. This is useful for making a fixed strut using only extension pipes and saddles.

| Model          |         | SX 1        | SX 2      | SX 5      | SX 10      | SX 15      | FX 1   |
|----------------|---------|-------------|-----------|-----------|------------|------------|--------|
| approx. length | in/ mm  | 5/ 125      | 10/ 250   | 20/ 500   | 39/ 1,000  | 59/ 1,500  | 5/ 125 |
| color code     |         | white       | blue      | yellow    | green      | red        | —      |
| weight         | lb/ kg  | 3.3/ 1.5    | 4.19/ 1.9 | 6.17/ 2.8 | 10.14/ 4.6 | 14.11/ 6.4 | 3/ 1.4 |
| working load*  | lbf/ kN | 22,481/ 100 |           |           |            |            |        |

\*depending on total length

### PowerShore™ Vehicle Stabilization Kit

The vehicle stabilization kit includes base plates, tensioning belts and a variety of extension pipes, connectors and saddles. Assemble to length and cinch the belts for rapid vehicle stabilization. All components may be used to expand the capabilities of other kits.

### PowerShore™ Trench Kit

Using a PowerShore™ air strut trench kit offers rescuers the ability to shore a trench before getting into it. Using the included Velcro® straps to lower the assembled struts, remote air controllers extend the struts in place before rescuers enter. Lock nuts mechanically secure the air struts in place so air pressure is no longer required and hoses may be removed.

### PowerShore™ Structural Collapse Kits

Two structural collapse kits are available to serve a variety of needs. The basic pneumatic kit comes complete with air struts. For greater lifting capacity we also offer a kit that combines mechanical struts with hydraulic struts. All kits are complete with extensions, saddles, wrenches and the required hoses and controllers needed.

## High Pressure Lifting Bags

| Model      | Accessories  |
|------------|--|
| SORV 10 U  | shut-off hoses with built in pressure relief valve |
| PRV 120 U  | pressure regulator for low pressure SCBA only      |
| HPRV 120 U | pressure regulator for high pressure SCBA only     |
| SCV 10 U   | single control unit                                |
| DCV 10 U   | dual control unit                                  |
| HDC 10 U   | heavy duty dual control unit                       |

Air hoses available with or without shut-off & pressure relief valve, in 10 ft (3 m), 16 ft (5 m), 32 ft (10 m) lengths.



storage case



HDC 10 U



HPRV 120 U



air hoses



SCV 10 U



DCV 10 U



SORV 10 U

## Low Pressure Lifting Bags

| Contents                           | Item | Qt. |
|------------------------------------|------|-----|
| storage bag                        | A    | 1   |
| lifting bags of equal capacity     | B    | 2   |
| special low pressure hose          | C    | 2   |
| yellow air hose 10 ft   3 m        | D    | 1   |
| twin air flow control unit         | E    | 1   |
| pressure regulator for SCBA bottle | F    | 1   |
| repair kit                         | G    | 1   |



A



B



C



D



E



F



G

## PowerShore™ Attachments

### Flat Head - Aluminum

For support against flat surfaces.  
0.66 lb | 0.3 kg, 3.5 in | ø 89 mm



### Pointed Head

For use in narrow gaps.  
1.3 lb | 1.2 kg, 3.5 in | ø 89 mm



### Flat Head w/ Nailing Plate - Aluminum

For support against flat surfaces, with nailing holes.  
1.76 lb | 0.8 kg, 6 x 6 in | 150 x 150 mm



### Base Support Plate

Can support 3 swivel heads and suitable for use of up to 3 tensioning belts to create a stable triangle. 3.2 lb | 2.8 kg



### Tilting Head - Aluminum

For support on uneven or tilting surfaces. Max. angle 45° in all directions.  
3.75 lb | 1.7 kg, 3.75 x 3.75 in | 95 x 95 mm



### Trench Support Plate - Zinc Plated Steel

Can be nailed to wooden plates to support 2 swivel heads in a trench. 2 lb | 0.9 kg  
11 x 4.3 x 3 in | 280 x 110 x 75 mm





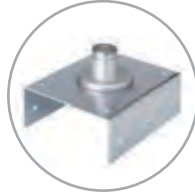
**Tilting Head w/ Nailing Plate** - Aluminum  
For support on uneven or tilting surfaces. Max. angle 45° in all directions.  
5.5 lb | 2.5 kg, 6 x 6 in | 150 x 150 mm



**Beam Support Head**  
For use with beams up to 4 in | 100 mm, with nailing holes.  
2.65 lb | 1.2 kg



**Beam Support Head**  
For use with beams up to 6 in | 150 mm, with nailing holes.  
3.75 lb | 1.7 kg



**L-Support Head**  
For use with wide beams, with nailing holes.  
2.2 lb | 1 kg



**Swivel Head** - Aluminum  
Can be placed in almost any position and against each other for mutual support.  
4.4 lb | 2 kg



**V-Block Head Small** - Aluminum  
For support of pipes.  
1.5 lb | 0.7 kg, 3.5 in | ø 89 mm



**V-Block Head Large** - Aluminum  
For support of pipes.  
3.75 lb | 1.7 kg, 5.5 x 4 in | 141 x 100 mm



**Cone Head**  
For support on concrete or steel surfaces.  
1.1 lb | 0.5 kg, 3.5 in | ø 89 mm



**Cross Head**  
For use on many kinds of surfaces.  
2.2 lb | 1.1 kg



**Tensioning Belt**  
Length: 82 ft | 4 m, width 0.98 in | 25 mm  
Weight: 3.09 lb | 1.4 kg, load 2,248 lbf | 10 kN



**Adjustable Hook Wrench**  
To create a pre-load with the MS 2 L 2+. Two pieces are advised.



**Storage/Carrying Bag for Accessories**



**Storage/Carrying Bag for Struts and Extensions**



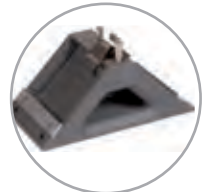
**Anti-Roll Block**  
Prevents struts and extensions from rolling on uneven surfaces and protects against dirt and damage.



**3-Way Swivel Head**  
Contains 3 integrated swivel heads for use with up to 3 shoring lines in various directions.



**2-Way Block**  
To support 2 tilting heads.



**Field Service Kit**  
Kit includes the following items in a storage box: tools, couplers, Velcro® straps, spare parts, hook wrench



**Base Plate with Shackle Attachment**  
A stable and economical anchor point for tensioning straps.







# Service & Training





## Service by Holmatro®

Rescue equipment, more than any other type of equipment, must be reliable and perform well under all circumstances. That is why Holmatro® rescue tools comply with all important international safety norms such as NFPA 1936 and EN 13204. In many countries occupational health and safety legislation holds employers responsible for the safety of the equipment used by their staff. To ensure the reliability and safe operation of our products during their whole lifespan we support users of Holmatro® rescue tools worldwide through our well-trained global dealer service network. This reflects our philosophy of being more than just a supplier: we strongly believe in long-term partnerships with our customers. Holmatro® dealers are factory trained and certified, authorizing them to provide service according to our high-quality standards.

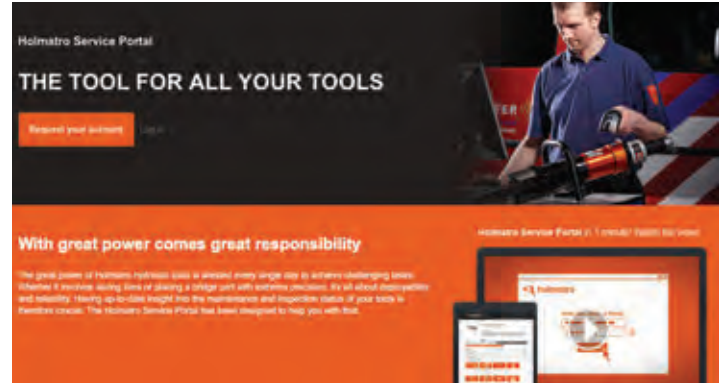


### Advantages

Regular testing and maintenance of your rescue equipment by an authorized Holmatro® dealer offers you many advantages:

- It ensures the safety of your rescue equipment for years to come.
- It allows your tools to work longer for you and makes your investment last longer.
- Holmatro® dealers work with original, high-quality spare parts.
- Holmatro® dealers have their own spare parts stock (and quick access to the large stock at Holmatro® which minimizes the down time of your tools.
- Holmatro® dealers are factory trained, know the latest technological developments and have direct contact with factory engineers; they are the best rescue tool service specialists in the market.
- Last but not least, by outsourcing service you can keep focusing on your core business: saving lives!

## Service Portal



Designed to help keep tool information organized and up to date, the Holmatro Service Portal offers dealers invaluable on-line information and support.

### Tool Management

Insight into the location and service status of all the tools for each customer. Both Holmatro tools and rescue equipment from other brands can be registered in the portal. This information could prove useful not only for service, but also for a more proactive approach to the sale of new rescue equipment.

### Maintenance and inspection management\*

Accurate insight into the maintenance and inspection history of all the tools for each customer. This information helps to timely schedule new service appointments. Customers no longer have to worry about keeping track of service due dates.

### Automated Holmatro Inspection Procedures (HIP)\*

Online support to make tool inspections and test procedures faster and more efficient. This is all entirely compliant with our own, extremely high standards and includes the automatically generated inspection report feature.

### Exploded-view drawings (2D/3D) and parts lists\*

Exploded-view drawings of all the Holmatro rescue equipment are available to help facilitate repairs and identify all the necessary replacement parts faster and more efficiently.

*\* Available exclusively to qualified Holmatro-trained service technicians*





## How can a Holmatro® dealer help you?

Your local Holmatro® dealer is more than a sales outlet for rescue equipment. Every Holmatro® dealer is your local resource and partner who can offer you a wide range of services.

- Advice on the best tools for specific applications
- Warranty repairs, modifications and upgrades for your Holmatro® rescue equipment
- Your resource for genuine Holmatro® spare parts and maintenance supplies
- A partner who can show you how to perform daily maintenance checks of your rescue equipment, helping ensure that your rescue tools are always in ready-for-use condition (maintenance after every use).
- Hands-on rescue tool training
- Basic vehicle extrication techniques training
- Emergency stabilization and shoring techniques training
- Demonstrations of the latest products, innovations and techniques, to help keep you current
- Presentations on special applications or other rescue related topics. For example, a presentation on the impact of new car technology on rescue tools and techniques.



Periodic testing and maintenance of your equipment ensures optimal safety and performance throughout its lifespan.



Most Holmatro® dealers can provide service on location.

## Book

The Vehicle Extrication Techniques book was written as a resource for training and development for rescuers of all levels. Containing the most relevant and up to date information available, the book aims to:

- Promote a safe and systematic approach to the rescue of individuals trapped following a collision
- Explain the concept of extrication planning
- Explain techniques that may be used during the extrication process
- Introduce the rescuer to basic medical considerations

Topics include:

- Safety
- The vehicle
- Tools and equipment
- The team approach
- At the scene

Additional subjects: Rescue at night, extrication near water, training, multi-agency working, and more.



## App

The App aims to promote a safe, methodical and casualty-centered approach to extrication. Detailing the most common rescue techniques utilizing video, it also highlights key medical concerns while guiding rescuers through the process of extrication planning.

## Poster

The poster series explains and illustrates various vehicle extrication techniques. All information is visible at a single glance, making the posters perfect for displaying in the station, a classroom or dayroom.

Topics include:

- The working area
- Hybrid and electric vehicles
- Stability
- The team approach



## E-Learning

The E-learning program guides students through the extrication program step by step, allowing users to increase their knowledge at their own pace. The system helps repeat themes requiring more attention and offers review exercises at regular intervals.



The Holmatro Rescue Experience provides hands-on extrication training to first responders with the latest Holmatro tools.

One training day consists of a morning session, followed by a rotation through four separate hands-on scenarios which may include but are not limited to the following:

- Car on its side with difficult access
- Car vs. semi rear side under run
- Car on roof with crush
- Crush Injury Syndrome

### Guest Speakers

To add greater depth to the program, industry experts are invited to

participate. In 2015, we received a visit from Holmatro Safety Team doctors who discussed medical trauma response and provided instruction on extrication from vehicles with complicated safety features. Please note, guest speakers vary and may or may not be announced prior to training.

### Professional training

The people behind the Holmatro Rescue Experience are pure industry professionals. The instructors are well trained and experienced. In addition, separate qualified Holmatro staff will be on-site to monitor and ensure everyone's safety. For more information on offering this type of event, please e-mail [info@holmatro-usa.com](mailto:info@holmatro-usa.com) or contact your local Holmatro dealer.



**Holmatro USA**

505 McCormick Drive  
Glen Burnie, MD, 21061  
tel: 410-768-9662  
fax: 410-768-4878



[www.holmatro.com](http://www.holmatro.com)

**Disclaimer**

Nothing from this printed matter can be copied and/or made public without the explicit authorization of Holmatro.