All around the world first responders work in the most extreme conditions to save people’s lives. They are faced with different challenges every day, all requiring quick decision making and solid teamwork. Working under pressure, in a race against the clock, first responders need equipment they can fully rely on. It is for these men and women that we have developed our new Pentheon Series: High-tech rescue tools that are miles ahead of all other equipment on the market, cordless and hose tools alike.

Only the Holmatro Pentheon Series offers you the unrestrained performance, unparalleled speed and ultimate control you’ve never experienced before!
UNRESTRAINED PERFORMANCE FOR YOUR MISSION

- CUTTER PCU50 -
- TELESCOPIC RAM PTR50 -
- COMBI TOOL PCT50 -
- SPREADER PSP40 -
Pentheon tools are the fastest rescue tools on the market. A revolutionary mechatronic system inside the tools continuously optimizes the motor and pump settings, to deliver a maximized oil flow over the full pressure range. This provides you, as a rescuer, with unparalleled tool speed at any load.

Where all other rescue tools show a significant decrease in speed when switching to another stage to deal with higher loads, Holmatro Pentheon tools stick to the ideal stepless speed curve.
In the rescue business speed is nothing without control. Every second counts, but since you are working near a patient you need to be careful. Therefore our Pentheon tools have ultimate speed control. A unique two-mode control handle offers you the choice, at any time during the rescue operation, to switch between the tool’s high-speed and low-speed modes. Within these two modes, the speed is still proportional to how far you turn the handle to its left or right.

Experience ultimate control of the fastest rescue tools ever!
Holmatro Pentheon tools help you get more work done without swapping batteries. These are the reasons why.

PURPOSE-BUILT BATTERY WITH INCREASED CAPACITY
Specially developed to power our high-performance Pentheon tools, this battery contains extra large and powerful cells. Thanks to the bigger cell volume, it heats up much slower than regular batteries. This means you can complete more work, while using its maximum power.

ENERGY EFFICIENT DRIVE TECHNOLOGY
The patented mechatronic system that controls the motor and pump settings of our Pentheon tools is extremely energy efficient. Especially when compared to the drive technology used in other cordless rescue tools. All with the aim to extend your working time.

AUTO START/STOP FUNCTION: NO ENERGY WASTE
When the tool is not operated or has reached its maximum pressure, the motor stops automatically. This saves valuable battery capacity. Simply turn the control handle to restart the tool.
MAXIMUM ENDURANCE  
USE IN ALL CONDITIONS

Whether it’s hot or cold, in the rain or snow and even under water: Pentheon tools can be used in all conditions.

TEMPERATURE MANAGEMENT TECHNOLOGY
Both tool and battery temperatures are continuously monitored to make sure these don’t get too high, which would cause the tool to shut off. At extremely high temperatures Pentheon tools will automatically switch to working at a lower power consumption, without loss of force. All to make sure that you can keep going, even in hot weather and at high tool loads.

UNDERWATER USE
Should you encounter a situation where you need to use your rescue tools completely submerged in water, our Pentheon tools are up for the job!
REALTIME DIAGNOSTICS

LED indicators on the battery and the charger give you instant feedback on the battery’s temperature, state of charge and state of health. For more detailed battery information you can use our diagnostics software. A more extensive version of this software is available for authorized Holmatro (Dealer) Service Technicians. It combines in-depth tool diagnostics with integrated inspection procedures, to provide the best service for your Pentheon tools. Holmatro has special accessories available to connect the Pentheon tools and batteries to your laptop or PC.

USER CENTERED DESIGN

BATTERY MANAGEMENT

MADE EASY

What if battery management could be made as simple as just plugging it in? Well, that’s exactly what we have done!

ON-TOOL CHARGING

Stop swapping batteries! From now on you can charge the battery while it’s still on the tool. Simply connect the tool to the charger and the whole charging process will regulate itself. The battery on the tool always has priority over the one on the charger, which will resume charging when the battery on the tool is 100% full. You can connect up to 3 chargers to be powered from a single outlet. This allows you to charge 6 batteries without any management.

MAGNETIC CONNECTOR

Easy connection and no disconnection required: Our On-Tool Charging Cord allows you to grab a tool and walk away with it. Thanks to the cord’s magnetic connector the tool releases itself.

THE NEW SUPERIOR PENTHEON SERIES 15

Made Easy Battery Management

User Centered Design
USER CENTERED DESIGN
COMPACT & INLINE TOOL DESIGN

Compact rescue tools are easier to handle and save space in your rescue truck. This is how we have managed to limit the dimensions of our high-performance Pentheon tools.

COMPACT INTEGRATED MOTOR & PUMP
Inside the tools the electric motor and the hydraulic pump share the same shaft. This saves a lot of space.

BATTERY INTEGRATED IN TOOL DESIGN
The battery has a semi-circle shape which makes it fit around the tool like a bracelet. This also contributes to the slim design of our Pentheon tools.
USER CENTERED DESIGN
EASE OF USE

At Holmatro we design rescue tools with the end user in the first, second and third place. Some examples:

LED LIGHTS POWERED FROM MAIN BATTERY
Six high-output LED lights in the carrying handle illuminate your working area at night and neutralize annoying shadows during the day. They are powered from the main battery, which means they automatically switch on and off together with the tool. If desired, the lights can be switched off separately by pressing a button on the tool. But don’t bother: their power consumption is next to nothing!

360° CARRYING HANDLE
With a carrying handle that goes all around the tool, you can hold the tool in any position. It also includes a suitcase grip for easy and well-balanced carrying. The handle is made of a damage-proof high-grade synthetic polymer. This extremely tough and elastic material has the unique property of always returning to its original shape.

INLINE CONTROL HANDLE WITH 360° ACCESS
Centrally positioned on the back of the tool, our control handle is always within reach. This allows for easy tool operation at all sides of the car and in any position.
ADDITIONAL FEATURES COTTER

30° INCLINED BLADES
The angled jaw of our Pentheon Inclined Cutter offers you improved ergonomics when cutting high or low on the car. It allows you to operate the tool from a comfortable waist height. The inclined blade design also results in more space between the tool and the car, where your patient is located. For you, as a rescuer, this means easier and safer cutting.

NEW CAR TECHNOLOGY BLADE DESIGN
These U-shaped blades pull even the strongest car materials into the cutting recess, close to the central bolt, where they are cut at the highest possible force. For a superior cutting performance on the latest vehicle models.

OPTIMIZED CUTTING EDGE
Designed to withstand wear and damage even better. For a longer blade life and a superior cutting performance.

I-BOLT
The I-Bolt has a flat central bolt design without a blade holder in between. It presses the blades together directly and more firmly. This minimizes blade separation and maximizes cutting performance. The flat design also allows for better access into narrow spaces.
## SPECIFICATIONS

### CUTTER PCU50

Please see page 44/45 for information on the battery, charger and other accessories.

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article number</td>
<td>150.000.063</td>
</tr>
<tr>
<td>Max. cutting opening</td>
<td>7.2 in</td>
</tr>
<tr>
<td>Theoretical cutting force</td>
<td>312,250 lbf</td>
</tr>
<tr>
<td>Protection class</td>
<td>25.7</td>
</tr>
<tr>
<td>Weight excl. battery</td>
<td>44.1 lb</td>
</tr>
<tr>
<td>Weight, ready for use (incl. battery)</td>
<td>47.4 lb</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>35.1 x 10.6 x 10.8 in</td>
</tr>
<tr>
<td>NFPA 1936: 2020, cutting capacity</td>
<td>A8 B8 C7 D9 E9</td>
</tr>
</tbody>
</table>

For information on the battery, charger and other accessories, please see pages 44/45.
SPREADER
PSP40
ADDITIONAL FEATURES
SPREADER

NEW EXTREME GRIP SPREADER TIPS

Unique design with pointed teeth at both sides that bite into the material. The middle row of teeth on the inside of the tips is taller and offers instant grip. The teeth on the outside alternately point in the opposite direction, to prevent the spreader from slipping away. This allows for a superior grip over the full spreading range. Finally, the interlocking profile results in smaller insertion dimensions.

- Taller middle row of teeth on both sides
- Teeth on the outside alternate in opposite direction
- Interlocking profile on the inside reduces the insertion dimensions
SPECIFICATIONS
SPREADER PSP40

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article number</td>
<td>159.000.064</td>
</tr>
<tr>
<td>Spreading distance</td>
<td>28.5 in</td>
</tr>
<tr>
<td>Max. spreading force</td>
<td>62,947 lbf</td>
</tr>
<tr>
<td>Max. pulling force</td>
<td>11,623 lbf</td>
</tr>
<tr>
<td>Max. squeezing force</td>
<td>13,264 lbf</td>
</tr>
<tr>
<td>Protection rate</td>
<td>IP57</td>
</tr>
<tr>
<td>Weight excl. battery</td>
<td>39.5 lb</td>
</tr>
<tr>
<td>Weight, ready for use (incl. battery)</td>
<td>42.8 lb</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>37.6 x 10.6 x 10.9 in</td>
</tr>
<tr>
<td>NFPA 1986: 2020, HPF</td>
<td>11,623 lbf</td>
</tr>
<tr>
<td>NFPA 1986: 2020, HSF</td>
<td>15,551 lbf</td>
</tr>
<tr>
<td>NFPA 1986: 2020, LPF</td>
<td>6,070 lbf</td>
</tr>
<tr>
<td>NFPA 1986: 2020, LSF</td>
<td>8,790 lbf</td>
</tr>
</tbody>
</table>

Please see page 44/45 for information on the battery, charger and other accessories.
TELESCOPIC RAM
PTR50
SMART RAM EXTENSION

Now you only need one compact ram for all applications, including cross ramming from one side of the car to the other. Simply connect the optional extension pipe to bridge a gap of up to 1804 mm / 71 inches. The ram will automatically adapt its force to the new maximum length that can be achieved. All to make sure you can keep working safely.

INTEGRATED LASER POINTER

Integrated in the ram head, the laser pointer marks the exact spot where the ram will touch the car construction. It helps you position the tool first time right, which saves time and is safer for the patient. If you would need to retract the ram to reposition it, the car construction could spring back and re-entrap your patient. The laser pointer can help you avoid this risk.

DOUBLE CARRYING HANDLE

Our Pentheon ram has a double carrying handle for easy tool placement at both sides of the car. It also makes it easier to hold the ram inside the car, where space is limited. The double handle is made of a damage-proof high-grade synthetic polymer. This extremely tough and elastic material has the unique property of always returning to its original shape.

CROSS RAM SUPPORT SET (ACCESSORY)

Specially developed to distribute the force of the ram over a larger area, our Cross Ram Support Set provides a solid platform for cross ramming. It prevents the ram from pushing through car interior surfaces, which would make it lose its effectiveness. Equipped with grip teeth for maximum hold.
**SPECIFICATIONS**

**TELESCOPIC RAM PTR50**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article number</td>
<td>159.000.062</td>
<td></td>
</tr>
<tr>
<td>Extended length</td>
<td>53.7</td>
<td>in</td>
</tr>
<tr>
<td>Extended length incl. optional extension pipe</td>
<td>71.0</td>
<td>in</td>
</tr>
<tr>
<td>Retracted length</td>
<td>22.8</td>
<td>in</td>
</tr>
<tr>
<td>First spreading stroke</td>
<td>15.9</td>
<td>in</td>
</tr>
<tr>
<td>Spreading stroke 1st plunger</td>
<td>15.9</td>
<td>in</td>
</tr>
<tr>
<td>Max. spreading force 1st plunger</td>
<td>30,574</td>
<td>lbf</td>
</tr>
<tr>
<td>Spreading stroke 2nd plunger</td>
<td>15.0</td>
<td>in</td>
</tr>
<tr>
<td>Max. spreading force 2nd plunger</td>
<td>14,613</td>
<td>lbf</td>
</tr>
<tr>
<td>Protection rate</td>
<td>IP57</td>
<td></td>
</tr>
<tr>
<td>Weight excl. battery</td>
<td>40.0</td>
<td>lb</td>
</tr>
<tr>
<td>Weight, ready for use (incl. battery)</td>
<td>43.9</td>
<td>lb</td>
</tr>
<tr>
<td>Temperature (L x W x H)</td>
<td>22.8 x 10.1 x 17.4</td>
<td>in</td>
</tr>
<tr>
<td>NFPA 1936: 2020, HSF</td>
<td>30,574</td>
<td>lbf</td>
</tr>
<tr>
<td>NFPA 1936: 2020, LSF</td>
<td>14,613</td>
<td>lbf</td>
</tr>
</tbody>
</table>

Please see page 44/45 for information on the battery, charger and other accessories.
ADDITIONAL FEATURES
COMBI TOOL

UNIQUE GRIP TEETH
Added to the inside of the combi tool blades, these teeth prevent the material from being pushed out during cutting.

REMOVABLE TIPS
The combi tool tips, which are specifically designed for spreading and squeezing, can be easily removed by hand. This allows you to cut material without crushing it.

I-BOLT
Holmatro invented the i-Bolt to minimize blade separation and maximize cutting performance. It presses the blades together directly (no blade holder in between!) and more tightly. This eliminates the need to tighten the central bolt after each tool use. Finally, the i-Bolt has a flat design for better access into narrow spaces.
SPECIFICATIONS
COMBI TOOL PCT50

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Article number</td>
<td>159.000.118</td>
</tr>
<tr>
<td>Spreading distance</td>
<td>15 in</td>
</tr>
<tr>
<td>Max. spreading force</td>
<td>418,145 lbf</td>
</tr>
<tr>
<td>Max. cutting opening</td>
<td>12.6 in</td>
</tr>
<tr>
<td>Theoretical cutting force</td>
<td>100,622 lbf</td>
</tr>
<tr>
<td>Max. pulling force</td>
<td>23,100 lbf</td>
</tr>
<tr>
<td>Max. squeezing force</td>
<td>18,558 lbf</td>
</tr>
<tr>
<td>Protection rating</td>
<td>IP57</td>
</tr>
<tr>
<td>Weight excl. battery</td>
<td>41.4 lb</td>
</tr>
<tr>
<td>Weight, ready for use (incl. battery)</td>
<td>44.8 lb</td>
</tr>
<tr>
<td>Dimensions (L x W x H)</td>
<td>35.4 x 10.6 x 10.7 in</td>
</tr>
<tr>
<td>NFPA 1936, cutting capacity</td>
<td>A7 B8 C8 D8 E8</td>
</tr>
<tr>
<td>NFPA 1936: 2020, HPF</td>
<td>23,380 lbf</td>
</tr>
<tr>
<td>NFPA 1936: 2020, LPF</td>
<td>19,558 lbf</td>
</tr>
</tbody>
</table>

Please see page 44/45 for information on the battery, charger and other accessories.
PENTHEON ACCESSORIES

FOR ALL MODELS

Battery PBPA287

- Article number: 151.000.583
- Battery type: Li-Ion
- Capacity: 7 Ah
- Voltage: 28 VDC
- Protection rate: IP67

Required accessories (for all models)

Battery Charger PBCH3

- Article number: 151.000.742
- Battery Charger PBCH3 (DC)
- Article number: 151.000.632

Accessory Set In Case ACS 02

- Article number: 150.182.288
- Pulling Attachment Set PAS 02
- Article number: 150.182.078
- Cutting Tip Set CTS 01
- Article number: 150.182.241
- Spreading Tip Set STS 02
- Article number: 150.182.475

Accessories PTR50

- Article number: 151.000.804
- Extension Pipe TRE03
- Length: 17.3 in
- Cross Ram Support Set XRS01
- Article number: 151.000.164
- Ram Support HRS 22 NCT
- Article number: 150.003.105
- Ram Support HRS 22
- Article number: 150.181.011

Accessories PCT50

- Article number: 150.014.731
- Spreading Tip Set STS 04
- Article number: 150.182.261
- Accessory Set In Case ACS 04
- Article number: 150.014.731
- Pulling Attachment Set PAS 07
- Article number: 150.182.376
- Accessory Set In Case ACS 04
- Article number: 150.014.731
- Spreading Tip Set STS 04
- Article number: 150.582.250
- Accessory Set In Case ACS 04
- Article number: 150.582.250

THE NEW SUPERIOR PENTHEON SERIES
A HISTORY OF INNOVATION

With two high-tech production plants in the Netherlands and the USA, the strictest quality, safety and performance standards in the market and a history of groundbreaking product innovations, Holmatro is the world’s leading rescue tool supplier. We are very proud to see that Holmatro tools are the first choice of many fire & rescue professionals around the globe.

**CORE TECHNOLOGY**

The world’s first single hose / single coupler system. A turning point in rescue tool technology, making rescue procedures safer, quicker and easier.

**INCLINED CUTTER**

First cutter with a 30-degree angled jaw, improving user comfort and maximizing working space.

**PERSONAL POWER PUMP**

The first lightweight, mobile rescue pump enabling one man to carry a full set of tool, pump and hoses on his own.

**720 BAR WORKING PRESSURE**

First hydraulic rescue tools operating at a pressure higher than 500 bar. The birth of lighter and more compact rescue equipment.

**DOUBLE PLUNGER RAM**

First ram with twin plungers. Designed to double the spreading distance without the risk of a plunger bending.

**720 BAR WORKING PRESSURE**

First hydraulic rescue tools operating at a pressure higher than 500 bar. The birth of lighter and more compact rescue equipment.

**NCT CUTTERS**

First cutter with U-shaped NCT (New Car Technology) blades, specially designed to cut new car construction.

**BATTERY TOOLS**

First high-performance battery-powered rescue tools. Easy to carry and handle, thanks to a low weight (<15 kg incl. battery).

**PENTHEON SERIES**

Unparalleled speed, ultimate control and the unrestrained performance to keep working in all circumstances. Miles ahead of all other rescue tools on the market.

With two high-tech production plants in the Netherlands and the USA, the strictest quality, safety and performance standards in the market and a history of groundbreaking product innovations, Holmatro is the world’s leading rescue tool supplier. We are very proud to see that Holmatro tools are the first choice of many fire & rescue professionals around the globe.