

# CU 5050 i Cutter

Dealer Application Information



 Holmatro Rescue World  
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## Introduction

The following information is intended to provide dealers and demonstrators with information regarding application of the CU 5050 i inclined cutter and the GCU 5050 i inclined battery cutter.

Thanks to its innovative design, this product has improved ergonomics during operational applications. For that reason it is important to understand the benefits that this product brings.

The information should be used when discussing cutters with end users and should also be incorporated into product demonstrations. It is important to understand the CU 5050 i is designed to give the end user another choice when it comes to the purchase of hydraulic cutters for use during vehicle extrication.

## Operational Benefits

As with all of the 5000 series cutters the feature/benefits are:

- Faster opening
- Ergonomic carrying handle
- 6 LED lights with increased intensity
- Lightweight design
- CORE technology
- NCT (New Car Technology) cutter blades



In addition to the above, the CU 5050 i has blades that are inclined 30 degrees.

Very rarely is a cutter (or any hydraulic rescue tool) used at a comfortable waist height. Many applications require the tool to be used above waist or head height and conversely, low down. For that reason lightweight, ergonomic design is hugely important.

With the CU 5050 i we have thought first about the user and the application and then designed a tool around exactly what is required. The result is a tool that will perform all of the applications required for vehicle extrication while providing improved ergonomics thanks to its revolutionary design.

## Important

**The CU 5050 i design is patent pending.**

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# Reducing the Burden on the Rescuer

A hydraulic cutter which is ergonomic and has all of the necessary specifications will reduce the burden on the rescuer on scene without any loss of tool performance. The majority of tool use will involve bending down low or reaching up high, for this reason the weight and ergonomics of a tool should be considered and this should always be discussed with the end user.

The inclined blades in conjunction with the 360 degree handle means that for many applications end user burden is reduced, e.g.

- When cutting high (e.g. into the roof line) the handle remains at waist height
- When cutting low (e.g. into the sill/rocker channel) the handle remains at waist height



## Cutting Profiles

In addition to the ergonomic advantages the Inclined Cutter brings, the blade design also allows profiles to be cut more efficiently. An example of this is when cutting a B-pillar. The inclined blades allow the B-pillar to be cut from the side (usually the narrowest profile), therefore providing more blade contact with the material and effecting a more efficient cut. In this position the inclined jaw provides additional space between the body of the cutter and the car, which means that during the cut the effects of any tool movement is greatly reduced.



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## Reducing the Effect of Tool Movement

When making a relief cut on an A-pillar (in preparation for a dash lift or dash roll) the effect of any possible tool movement towards the passenger compartment is greatly reduced by the 30 degree inclination of the blades.



## Pitching the Tool

With the CU 5050 i the end user now has another innovative choice when it comes to choosing a hydraulic cutter: straight blades or inclined blades?

Remember that during a tool familiarisation or demonstration, the end user will rarely consider the use of tools in difficult positions i.e. using above their head or used down low so it is important to cover these points for their consideration (not just for cutters, but for all of our new lightweight tools).

## What can it do?

The CU 5050 i can perform all of the same applications that a 'straight' cutter can. The same cuts can be made. Once again we simply offer the Inclined Cutter as an alternative, giving the end user an additional choice.



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# The CU 5050 i in demonstrations

The CU 5050 i is an innovative design and does not have an equal in the market. For this reason the Inclined Cutter should be used as much as possible during demonstrations. The accompanying video will show many of the applications listed above. Also refer to the Vehicle Extrication Techniques book and the Dealer Demonstration Guide for more information.



Scan the QR code or go to: <http://www.youtube.com/watch?v=DP8rlxC1TmA>



## Summary

The CU5050 i is not just an evolution in cutting; it is a revolution. Its design is brilliant in its simplicity and offers the end user another choice when it comes to the purchase of hydraulic cutters. It is patent pending and clearly a flagship product: a product that represents the true innovative culture of Holmatro.



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