



# LIBERVIT BLACKline

**LIBERVIT BLACKline...** la plus large gamme d'équipements d'effraction au monde

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catalogue effraction 2012



We have been studying, creating and developing hydraulic and mechanical tools for the Police and Gendarmerie special armed forces, the Army and other civil or private rescue teams and industrials for more than twenty years now.

There are three ranges, this catalogue presents our **BLACKline** range. The majority of our products in this catalogue have been studied and developed in France, in our factory in Perpignan. From our engineering and design department to our customer service, we are ISO 9001: 2008 certified, a guarantee for our customers of a high level of quality, long-life performance and reliability of all our tools.

The tools that are not made by us are either made at our request by companies that have the same quality certification as us or are standard products that, after modification in our workshops for adaptation to our customer's requirements, are systematically and individually tested and approved by our Quality Control Department before being put on the market.

We have our own Engineering and Design Department which offers us complete autonomy for the development of any new products. A multi-country patent is systematically deposited to protect each one of our innovations.

We organise on a regular basis technical meetings with our customers with the aim of being up to date with their requirements and hear their remarks on products they are already using.

Our products are distributed via an accredited distribution network present in 54 countries. Our distributors are capable of not only proposing all the tools in our range, but can also train your personnel in the use of our tools.

Our aim is to propose the very best products that meet the requirements of all our customers, therefore please feel free to let us know any remarks or suggestions that you may have about any sector of our company, services and tools.



# emblems




The emblems on this page represent some of our customers that use our tools in our BLACKline range.

The whole team at LIBERVIT would like to take this opportunity to thank all those who have, in one way or another, participated in the creation of this catalogue, but also our customers who use our tools and have placed their trust in us.

We apologise to those whose logos does not figure on this page. We shall make sure they appear in the next edition!

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# rams



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# IMPACT18



The **IMPACT18** ram can be used to impact open doors or windows.

Equipped with two solid handles the **IMPACT18** offers precision and power. The front handle is equipped with a protection guard.

The **IMPACT18** ram is part of the EBP5 breaching kit on page 35.



## TECHNICAL CHARACTERISTICS

Reference	<b>IMPACT18</b>
Users	1 person
Impact area	Ø 100 mm - 3.94 inch
Handles	solid
Nbr of handles	2
Protection guard	yes
Material	black painted steel
Length	580 mm - 22.83 inch
Weight	18 kg - 39.70 lbs



# MR14



The **MR14** ram can be used to impact open doors or windows.

Equipped with two solid handles the **MR14** offers precision and power. For additional security the front handle is situated at a reasonable distance from the impact area.

The LIBERVIT MR ram series has become a recognised standard for breaching operations.

The **MR14** ram can be found in the breaching section on page 29.



## TECHNICAL CHARACTERISTICS

Reference	<b>MR14</b>
Users	1 person
Impact area	Ø 100 mm - 3.94 inch
Handles	solid
Nbr of handles	2
Material	black painted steel
Length	550 mm - 21.65 inch
Weight	14 kg - 30.86 lbs



# MR20



The **MR20** ram can be used to impact open doors or windows.

Equipped with two solid handles the **MR20** offers precision and power. The distance between the two handles and their ergonomics mean that it can be operated by two people.

For additional security the front handle is situated at a reasonable distance from the impact area.

The LIBERVIT MR ram series has become a recognised standard for breaching operations.



## TECHNICAL CHARACTERISTICS

Reference	<b>MR20</b>
Users	1 or 2 people
Impact area	Ø 100 mm - 3.94 inch
Handles	solid
Nbr of handles	2
Material	black painted steel
Length	820 mm - 32.28 inch
Weight	20 kg - 44.09 lbs



# MR30



The **MR30** ram can be used to impact open doors or windows.

Equipped with two solid handles the **MR30** offers precision and power. Weighing 30 kg - 66.14 lbs, this tool ensures the opening of even the strongest of doors. Generally this ram is used in combination with another appliance.

For additional security the front handle is situated at a reasonable distance from the impact area.

The LIBERVIT MR ram series has become a recognised standard for breaching operations.



## TECHNICAL CHARACTERISTICS

Reference	<b>MR30</b>
Users	2 people
Impact area	Ø 100 mm - 3.94 inch
Handles	solid
Nbr of handles	2
Material	black painted steel
Length	1090 mm - 42.91 inch
Weight	30 kg - 66.14 lbs



# manual breaching tool



MULTY'ENTRY

18 & 19





Our position as leading manufacturer of breaching tools means that we have to offer high performance tools such as the DOOR-RAIDER, the HR5 or the OP53, etc.

The **MULTY'ENTRY** is part of our manual breaching tool range. What makes it unique is the series of different heads available, easily and rapidly removable, depending on the required situation.

The **MULTY'ENTRY** can be found in the breaching section on page 29.



The handle is composed of zinc-plated steel or with the insulation option, an insulated coating. An anti-electrical shock handle can also be supplied, upon request.

The replacement of a **MULTY'ENTRY** head is done manually and in a matter of seconds, a removable ring ensures that the head is solidly fixed to the tool.



There are currently three head types available :



**ME1** smooth bevelled head with a penetration point to spread panels, open light weight doors, break bolt locks, etc.



**ME2** standard open head for breaking padlocks, opening light weight doors, levering metal shutters, etc.



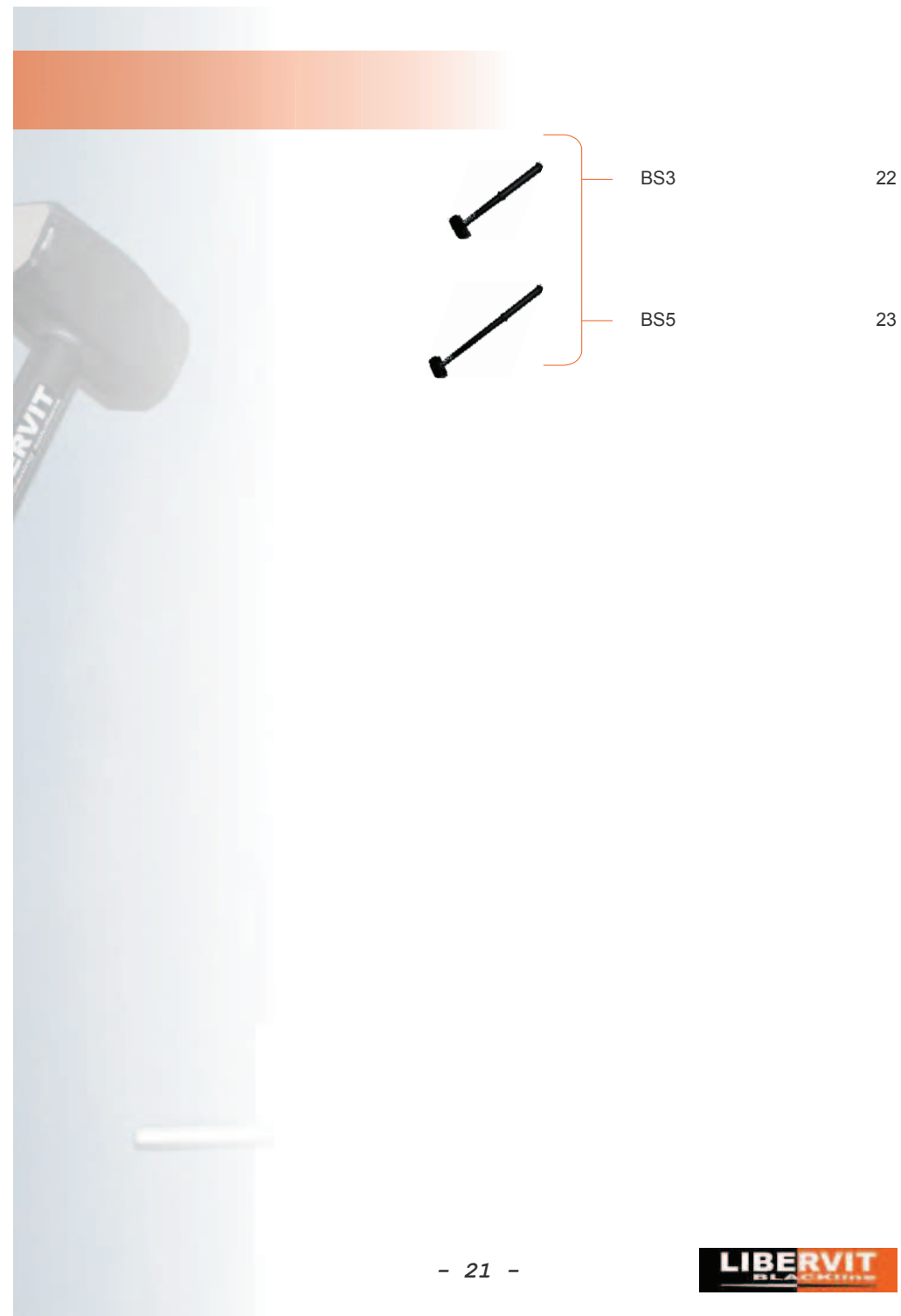
**ME3** cutting head to cut a passage through corrugated iron in industrial buildings or automobile, train or air craft body panels, etc.



The heads are all made from special high-resistance steel foundry and covered in a black, non-corrosive coating.

## TECHNICAL CHARACTERISTICS

Reference	<b>MULTY'ENTRY</b>
Tool	<b>Lever</b>
Dimensions	590 x 44 mm - 23.23 x 1.73 inch
Weight	1.375 kg - 3.03 lbs
Transport bag	yes
Tool	<b>ME1</b>
Dimensions	100 x 175 x 160 mm - 3.94 x 6.89 x 6.30 inch
Weight	1.520 kg - 3.35 lbs
Tool	<b>ME2</b>
Dimensions	235 x 67 x 29 mm - 9.25 x 2.64 x 1.14 inch
Weight	1.185 kg - 2.61 lbs
Tool	<b>ME3</b>
Dimensions	235 x 70 x 34.5 mm - 9.25 x 2.76 x 1.36 inch
Weight	1.145 kg - 2.52 lbs

# breaching sledge hammers



	BS3	22
	BS5	23

## BS3



The **BS3** sledge hammer is generally used for any impact interventions.

The handle is insulated in accordance with the NF EN 60900 standard, that permits intervention on live objects up to 1000V on alternating currents and 1500V on direct currents.

The **BS3** sledge hammer is made of solid steel.

The **BS3** sledge hammer can be found in the breaching kit section on page 29.



### TECHNICAL CHARACTERISTICS

Reference	<b>BS3</b>
Handle	non-conductive electrical coating
Total length	630 mm - 24.80 inch
Weight	5.5 kg - 12.12 lbs



## BS5



The **BS5** sledge hammer is generally used for any impact interventions.

The handle is insulated in accordance with the NF EN 60900 standard, that permits intervention on live objects up to 1000V on alternating currents and 1500V on direct currents.

The **BS5** sledge hammer is made of solid steel.

The **BS5** sledge hammer can be found in the breaching kit section on page 29.

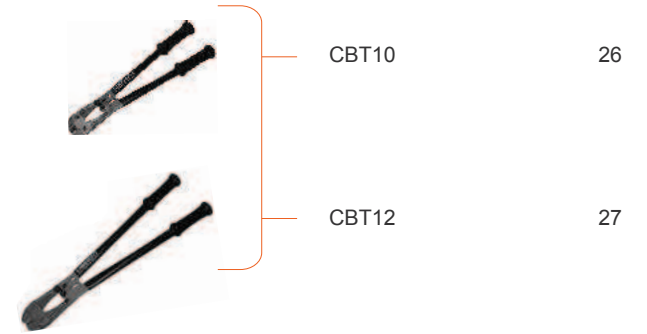


### TECHNICAL CHARACTERISTICS

Reference	<b>BS5</b>
Handle	non-conductive electrical coating
Total length	880 mm - 34.64 inch
Weight	6 kg - 13.23 lbs



# tactical bolt cutters



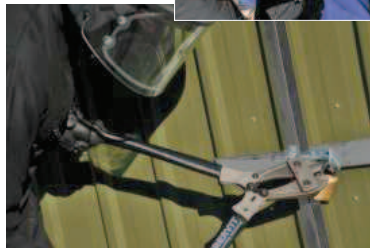
## CBT10



The **CBT10** bolt cutter can be used to cut padlocks, fences, barbed wire, etc. The non-conductor coating on the cutters means that it can also be used to cut electric cables or other live objects.

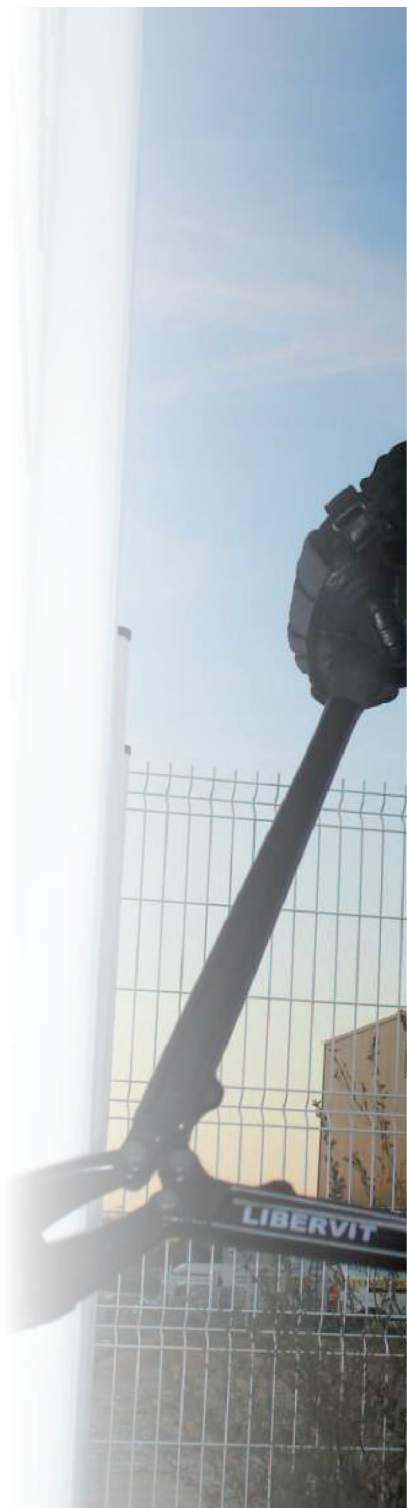
The cutters are insulated according to the NF EN 60900 standard, that permits use on live objects up to 1000V for alternating currents and 1500V for direct currents.

The **CBT10** bolt cutters can be found in the breaching kit section on page 29.



### TECHNICAL CHARACTERISTICS

Reference	<b>CBT10</b>
Blades	replaceable
Cutting capacity	Ø 10 mm - 0.39 inch max
Lever arm	non-conductive electrical protection
Total length	610 mm - 24.01 inch
Weight	2.9 kg - 6.39 lbs



## CBT12



The **CBT12** bolt cutter can be used to cut padlocks, fences, barbed wire, etc. The non-conductor coating of the cutters means that it can also be used to cut electric cables or other live objects.

The cutters are insulated according to the NF EN 60900 standard, that permits use on live objects up to 1000V for alternating currents and 1500V for direct currents.

The **CBT12** bolt cutter has a longer lever arm and blades than the CBT10 which means it can cut through larger objects.

The **CBT12** bolt cutters can be found in the breaching kit section on page 29.



### TECHNICAL CHARACTERISTICS

Reference	<b>CBT12</b>
Blades	replaceable
Cutting capacity	Ø 12 mm max - 0.47 inch
Lever arm	non-conductive electrical protection
Total length	760 mm - 29.92 inch
Weight	4.1 kg - 9.04 lbs



# breaching kits





The **EBP** tactical bag has been designed for back pack transport of our rams, sledge hammers and LIBERVIT bolt cutters. On the following pages are the different compositions possible.

Lined with a high-density dorsal mousse, for improved comfort and adjustable straps, chest and abdominal straps for improved body support.

Each tool is attached to the pack by straps with buckles or Velcro.

A protective flap covers all the material in the pack.



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP</b>
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	1.4 kg - 3.09 lbs



The **EBP1** breaching kit includes:

- 1 MR14 ram
- 1 BS3 sledge hammer
- 1 CBT10 tactical bolt cutter

MR14 ram  
14 kg length 550 mm  
30.86 lbs length 21.65 inch

BS3 sledge hammer  
5.5 kg length 630 mm  
12.12 lbs length 24.80 lbs

CBT10 bolt cutter  
2.9 kg length 610 mm  
6.39 lbs length 24.01 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP1</b>
Transports	1 MR14 ram 1 BS3 sledge hammer 1 CBT10 bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	23.8 kg - 52.47 lbs



## EBP2



The **EBP2** breaching kit includes:

- 1 MR14 ram
- 1 BS5 sledge hammer
- 1 CBT12 tactical bolt cutter

MR14 ram  
14 kg length 550 mm  
30.86 lbs length 21.65 inch

BS5 sledge hammer  
6 kg length 880 mm  
13.23 lbs length 34.64 inch

CBT12 bolt cutter  
4.10 kg length 760 mm  
9.04 lbs length 29.92 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP2</b>
Transports	1 MR14 ram 1 BS5 sledge hammer 1 CBT12 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	25.5 kg - 56.22 lbs



## EBP3



The **EBP3** breaching kit includes:

- 1 MR14 ram
- 1 BS3 sledge hammer
- 1 CBT12 tactical bolt cutter

MR14 ram  
14 kg length 550 mm  
30.86 lbs length 21.65 inch

BS3 sledge hammer  
5.5 kg length 630 mm  
12.12 lbs length 24.80 inch

CBT12 bolt cutter  
4.10 kg length 760 mm  
9.04 lbs length 29.92 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP3</b>
Transports	1 MR14 ram 1 BS3 sledge hammer 1 CBT12 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	25 kg - 55.12 lbs





## EBP4



The **EBP4** breaching kit includes:

- 1 MR14 ram
- 1 BS5 sledge hammer
- 1 CBT10 tactical bolt cutter

MR14 ram  
14 kg length 550 mm  
30.86 lbs length 21.65 inch



BS5 sledge hammer  
6 kg length 880 mm  
13.23 lbs length 34.64 inch



CBT10 bolt cutter  
2.9 kg length 610 mm  
6.39 lbs length 24.01 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP4</b>
Transports	1 MR14 ram 1 BS5 sledge hammer 1 CBT10 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	24.3 kg - 53.57 lbs



## EBP5



The **EBP5** breaching kit includes:

- 1 IMPACT18
- 1 BS5 sledge hammer
- 1 CBT10 tactical bolt cutter

IMPACT18  
18 kg length 580 mm  
39.70 lbs length 22.83 inch



BS5 sledge hammer  
6 kg length 880 mm  
13.23 lbs - length 34.64 inch



CBT10 bolt cutter  
2.9 kg length 610 mm  
6.39 lbs length 24.01 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP5</b>
Transports	1 IMPACT18 ram 1 BS5 sledge hammer 1 CBT10 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	28.3 kg - 62.40 lbs



## EBP6



The **EBP6** breaching kit includes:

- 1 BS3 sledge hammer
- 1 MULTY'ENTRY
- 1 CBT10 tactical bolt cutter

BS3 sledge hammer  
5.5 kg length 630 mm  
12.12 lbs length 24.80 inch

MULTY'ENTRY  
2.5 kg length 600 mm  
5.51 lbs length 23.62 inch

CBT10 bolt cutter  
2.9 kg length 610 mm  
6.39 lbs length 24.01 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP6</b>
Transports	1 BS3 sledge hammer 1 MULTY'ENTRY 1 CBT10 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	12.3 kg - 27.12 lbs



## EBP7



The **EBP7** breaching kit includes:

- 1 BS5 sledge hammer
- 1 MULTY'ENTRY
- 1 CBT12 tactical bolt cutter

BS5 sledge hammer  
6 kg length 880 mm  
13.23 lbs length 34.64 inch

MULTY'ENTRY  
2.5 kg length 600 mm  
5.51 lbs length 23.62 inch

CBT12 bolt cutter  
4.10 kg length 760 mm  
9.04 lbs length 29.92 inch



### TECHNICAL CHARACTERISTICS

Reference	<b>EBP7</b>
Transports	1 BS5 sledge hammer 1 MULTY'ENTRY 1 CBT12 tactical bolt cutter
Material	nylon
Colour	black
Protective flap	yes
Dimensions	600 x 500 mm - 23.62 x 19.68 inch
Weight including tools	14 kg - 30.86 lbs



# gloves



rappel gloves

40



breaching gloves

41

## rappel gloves



The **2908P** operation gloves are for special unit rescue teams and in particular for groups that do rappel dropping.

The gloves are composed of hydrophobic leather, KEVLAR, NOMEX and an X-Static lining. The combination of all these materials results in optimal protection, but a sensitive-touch glove if the use of arms is required.

**KEVLAR**

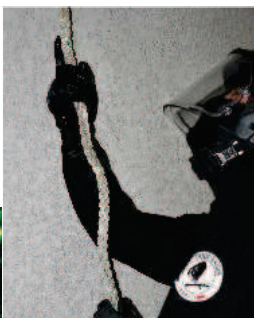
**NOMEX**  
made by DuPont

**X-static**

The palm part of the glove is made of a particularly abrasion-resistant leather and an Aramid protection significantly reducing heating during rapid descents.

The **2908P** gloves also have a high performance anti-cut protection and anti-impact protection for the joints. A Velcro strap ensures correct attachment round the wrist.

The X-Static lining is a naturally anti-static fibre, but also anti-microbial.



### TECHNICAL CHARACTERISTICS

Reference	<b>2908P</b>
Size	8 to 12
Colour	black
Material	leather and other composite materials
Speciality	rappel dropping

**LIBERVIT**  
BLACKLINE

## breaching gloves



The **5083P** tactical gloves are for special unit rescue teams and in particular for breaching teams.

The gloves are composed of hydrophobic leather, Kevlar and have an X-Static lining. The combination of all these materials results in optimal protection, but a sensitive-touch glove if the use of arms is required.

**KEVLAR**

**NOMEX**  
made by DuPont

**X-static**

The **5083P** gloves also have a high performance anti-cut protection and anti-impact protection for the joints. A Velcro strap ensures correct attachment round the wrist.

The X-Static lining is a naturally anti-static fibre, but also anti-microbial.



### TECHNICAL CHARACTERISTICS

Reference	<b>5083P</b>
Size	7 to 12
Colour	black
Material	leather and other composite materials

**LIBERVIT**  
BLACKLINE

# lightweight hydraulic door



# opener



	OP53	44 & 45
	OPH53	46 & 47
	OPM53	48 & 49
	cases	50 & 51



The **OP53** door breacher ensures quick and silent opening of inward opening non-armor plated doors.

For power supply it requires one of the three LIBERVIT GHP hydraulic power units, theTUBE or the POWERCASE, or a LIBERVIT PMP55 or PMP64 manual pump and a LF3MP hydraulic hose. (see pages 77, 87 & 93)

Equipped with an electronic control panel on the carrying handle, it can be used on the back, if using a LIBERVIT GHP hydraulic power unit, otherwise on the ground if using the theTUBE or POWERCASE.

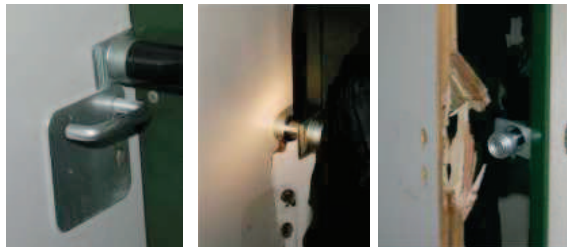
Opening of single lock doors can be done in one single manoeuvre, multi-lock doors need to be opened lock by lock.

It is the only tool equipped with a "triple contact point" head ensuring breaching of certain complicated doors.

The **OP53** door breacher comes in its own transport bag.



Once connected to one of the LIBERVIT hydraulic power units or manual pumps, the tool is started up by pressing the contact switch on the handle of the **OP53** and maintaining pressure until breaching of the door is completed. Once the contact switch is released the tool is automatically switched off.



On option, the **OP53** door breacher can be packed in a camouflage bag, reference HC/OP53.



**TECHNICAL CHARACTERISTICS**

Reference	<b>OP53</b>
Push force	53 kN
Ram extension	140 mm - 5.51 inch
Dimensions	330 x 100 x 180 mm - 12.99 x 3.94 x 7.09 inch
Weight	5.5 kg - 12.12 lbs
Camouflage bag	optional
Transport bag	yes, ref. STOP5
Packed in PELICASE transport case	optional

# OPH53



The **OPH53** kit includes a hydraulic power unit (ref. GHP), (see pages 82 & 83), a hydraulic door breacher (ref. OP53) and its transport bag (ref. STOP5).

Equipped with a GHP hydraulic power unit and the OP53 hydraulic door breacher, this breaching kit ensures quick and silent opening of inward opening non-armour plated doors. The electronic control panel on the handle of the OP53 means the tool can be used whilst conserving the hydraulic power unit on the back.

The GHP hydraulic power unit supplies all accessories, such as the spreaders, cutters and higher category door breachers.

The OP53 door breacher is the only tool equipped with a triple contact point head that means it can be positioned at different angles and can open certain outward opening doors.

Opening of single lock doors can be done in one single manoeuvre, multi-lock doors need to be opened lock by lock.



# OPH53



The GHP power unit is equipped with a 12V battery and a battery charge indicator and comes with its own automatic battery charger.

Autonomy for tools in action is approximately 30 minutes.

On option, the OP53 and the GHP hydraulic power unit can be packed in our solid PELICASE transport case. (see pages 50 & 51)



## TECHNICAL CHARACTERISTICS

Reference	OPH53
Hydroelectric power unit	ref. GHP
Power unit dimensions	500 x 240 x 260 mm 19.68 x 9.45 x 10.24 inch
Power unit weight	20 kg - 44.09 lbs
Packed in PELICASE transport case	optional
Door breacher	ref. OP53
Push force	53 Kn
Ram extension	140 mm - 5.51 inch
OP53 door breacher dimensions	330 x 100 x 180 mm 12.99 x 3.94 x 7.09 inch
OP53 door breacher weight	5.5 kg - 12.12 lbs
Packed in PELICASE transport case	optional





The **OPM53** kit includes a manual hydraulic pump (ref. PMP55), a 3 metres - 118.11 inches hose (ref. LFM3P) (see pages 88 & 96), a hydraulic door breacher (ref. OP53) and a transport bag (ref. STOPM5).

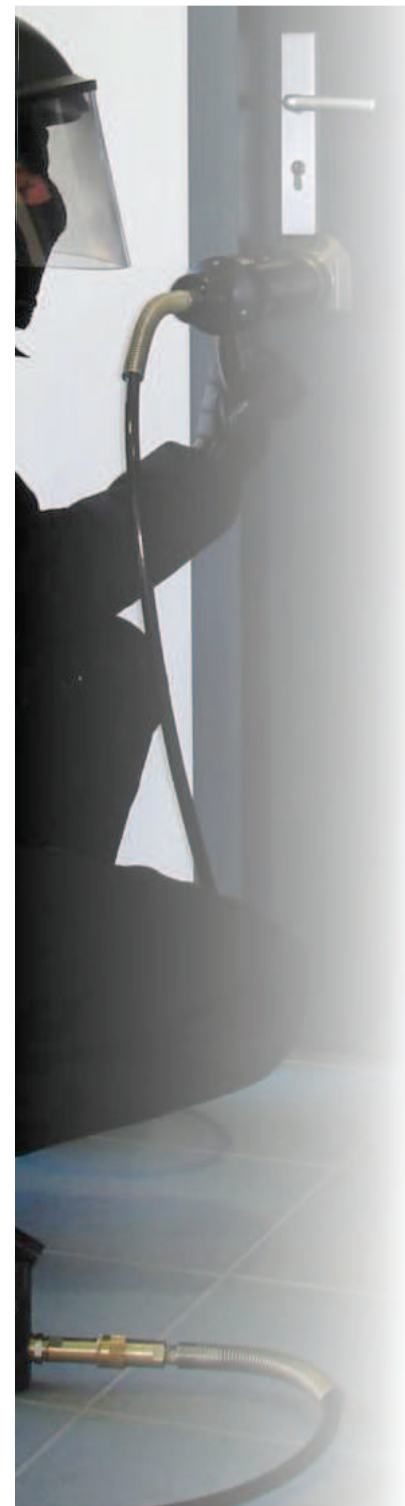
Equipped with the OP53 door breacher this breaching kit ensures quick and silent opening of inward opening non-amour plated doors.

The OP53 door breacher is the only tool equipped with a triple contact point head that means it can be positioned at different angles and can open certain outward opening doors.

Opening of single lock doors can be done in one single manoeuvre, multi-lock doors need to be opened lock by lock.



On option the OP53 can be packed in our PELICASE transport case. (see page 50)



### TECHNICAL CHARACTERISTICS

Reference	OPM53
Manual hydraulic pump	ref. PMP55
PMP55 pump dimensions	550 x 95 x 130 mm - 21.65 x 3.74 x 5.12 inch
Weight of PMP55 pump with oil	4.4 kg - 9.70 lbs
Hydraulic hose	ref. LFM3P
Hydraulic hose length	3 metres - 118.11 inches
Hydraulic hose weight	970 g - 2.14 lbs
Door breacher	ref. OP53
Push force	53 Kn
Ram extension	140 mm - 5.51 inch
OP53 door breacher dimensions	330 x 100 x 180 mm
	12.99 x 3.94 x 7.09 inch
OP53 door breacher weight	5.5 kg - 12.12 lbs
Transport bag	yes, ref STOPM5
Packed in PELICASE transport case	optional



## cases



The OP53 door breacher range can be packed in a seal-proof case.

Empty case, reference **VDTOP5**.

The **VDTOP5** case is lined in black high-density mousse. An imprint of the tool or tools is made in the mousse to guarantee a perfect fit and optimal protection for the tools during transport or storage.

We have chosen the brand PELICASE as a guarantee for quality and long life. All our cases meet military and air transport standards.

The **VDTOP5** case is on option when purchasing an OP53 door breacher.



### TECHNICAL CHARACTERISTICS

Reference	<b>VDTOP5</b>
Dimensions	400 x 350 x 180 mm - 15.75 x 13.78 x 7.09 inch
Weight including OP53	8.5 kg - 18.74 lbs



## cases



The GHP hydraulic power unit, its battery charger and its remote control system range can be packed in a seal-proof case.

Empty case, reference **VDT1**.

The **VDT1** case is lined in black high-density mousse. An imprint of the tool or tools is made in the mousse to guarantee a perfect fit and optimal protection for the tools during transport or storage.

We have chosen the brand PELICASE as a guarantee for quality and long life. All our cases meet military and air transport standards.

They are equipped with wheels and a removable carrying handle.

The **VDT1** case is on option when purchasing a GHP hydraulic power unit, it will hold the GHP hydraulic power unit, the battery charger and the remote control.



### TECHNICAL CHARACTERISTICS

Reference	<b>VDT1</b>
Colour	black
Telescopic handle	yes
Wheels	yes
Dimensions	800 x 520 x 300 mm - 31.50 x 20.47 x 11.81 inch
Weight including GHP hydraulic power unit	36 kg - 79.37 lbs



# middle range hydraulic



# door opener



HR5

54 to 56

case

57

# HR5



The **HR5** is a mid-category range door breacher. It is part of our BLACKline range classed between the light-weight door breacher OP53 and the top-performance DOOR-RAIDER.

It can be used to open wooden, metal or PVC doors, single or multi-lock inward opening doors. The **HR5** is placed horizontally on the door frame, it is equipped with an exclusive telescopic rod system with a "Hextend" **quick-lock** and it can be adjusted in length to reduce installation time in front of the door.

The **HR5** can be power supplied by our three hydraulic power units; GHP, POWERCASE or theTUBE, but also by the PMP64 manual pump. (see pages 77 & 87)

An adapted hydraulic hose is necessary to connect the tool to the hydraulic power unit or manual pump. (see page 93)



For double-door opening an extension can be supplied upon request, that is installed manually and in a couple of seconds.



# HR5



The average time required for the installation and breaching of an averagely resistant door, equipped with three lock points is 25 seconds. Once the door has been breached and the **release switch** has been activated, the tool can be **immediately** removed from the door.

**All control switches are on the tool itself**, which means that not only installation of the horizontal cylinder can be carried out by one person, but also activation of the jack push-force.



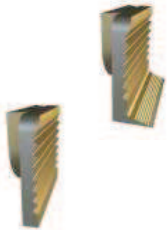
The **HR5** can also be remotely controlled once installed, ensuring complete safety for the operator in any high-risk situation or when working with an explosive-rigged door

## TECHNICAL CHARACTERISTICS

Reference	HR5
Transversal jack force	32 kN
Jack push force	50 kN
Jack stroke	300 mm – 11.81 inch
Dimensions	660 x 597,5 x 80,5 mm – 25.98 x 23.52 x 3.17 inch
Weight	12 kg – 26.45 lbs
PELICASE transport case	optional
<b>Extension</b>	<b>R36</b>
Dimensions	360 x 72,5 x 75 mm – 14.17 x 2.85 x 2.95 inch
Weight	640 g – 1.41 lbs

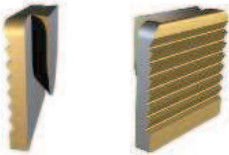


## base plate HR5

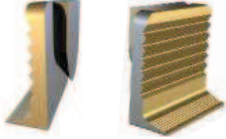


The horizontal jack of the HR5 is equipped with manually-removable plates. There are two sorts available:

- Large non-slip base plate. They ensure a correct grip to the horizontal jack, notably for doors equipped with an anti-breach angle.



- Large non-slip base plate with hook. They can be inserted where necessary between the door and the door frame guaranteeing an additional grip for the jack during its pushing action.



### TECHNICAL CHARACTERISTICS

<b>Base plate reference</b>	<b>PP/HR5</b>
Dimensions	74.75 x 72 x 10 mm – 2.94 x 2.83 x 0.39 inch
Weight	550 g – 1.21 lbs
Delivered with HR5	yes
<b>Base plate with hook reference</b>	<b>PR/HR5</b>
Dimensions	74.75 x 72 x 35.3 mm – 2.95 x 2.83 x 1.38 inch
Weight	574 g – 1.27 lbs
Delivered with HR5	yes



## case



The door breacher HR5 range can be packed in a seal-proof case.

Empty case, reference **VDT/HR5**.

The **VDT/HR5** case is lined in black high-density mousse. An imprint of the tool or tools is made in the mousse to guarantee a perfect fit and optimal protection for the tools during transport or storage.

We have chosen the brand PELICASE as a guarantee for quality and long life. All our cases meet military and air transport standards.

They are also equipped with wheels and a retractable transport handle.

The case **VDT/HR5** is on option when purchasing an HR5 door breacher.



### TECHNICAL CHARACTERISTICS

Reference	<b>VDT/HR5</b>
Colour	black
Telescopic handle	yes
Wheels	yes
Dimensions	847 x 722 x 463 mm – 33.35 x 28.42 x 18.23 inch
Weight, empty	19.5 kg – 43 lbs

high performance hydraulic

door opener



**DOOR-RAIDER**  
high performance hydraulic door opener

The most powerful door opener in the world



LIBERVIT has been developing for many years now hydraulic extrication tools, used by rescue organisations such as Firebrigades and the Civil Defence.

In September 1999, at the request of and in collaboration with the breaching specialists RAID, we commenced a study, following a specifications logbook, on a hydraulic tool prototype for breaching metal doors. In December of the same year the prototype that was to become the DOOR-RAIDER, was delivered to RAID. Throughout 2000 important modifications were made to the prototype and it was tested during training sessions, but also during operations. From a technical point of view the tool is a complete success.

What we were far from imagining was that this tool was to become for LIBERVIT, our "key" to a new activity that is today, not only a commercial success, obviously a necessity for a company, but it has also allowed us to develop, thanks to the numerous requests we receive, a complete range of products for all task forces of the Police, Gendarmerie and Army, in France but also abroad.

We are extremely proud of being able to offer our customers high-performance tools that ensure they can carry out their missions in the best conditions possible, as the Firebrigade, Police, Gendarmerie or Army forces are constantly faced with danger, we need to guarantee the right results for them.

**PRESENTATION**

The **DOOR-RAIDER** opens heavy-armoured, inward-opening, multi-lock doors or outward-opening metal doors when equipped with option T.

Silent, quick and easy to use, a heavy-armoured door can be opened in less than 20 seconds.

Trials carried out on different high-resistance doors:  
 - Fichet G375 – French 12-lock door, classed level 5 (maximum rating), in compliance with NF P 20.320 standard.  
 - Sherlock CGU – Czechoslovakian 5-lock door, TUV Class E130 D3 / EW45 D3 standard.  
 - Daloc S43 – Swedish 3-lock door, ranked class 3, level 40 in compliance with SS.ENV 1627 & 00-943 certification.

3 jack extensions complete the pack. These accessories are to be used for difficult access areas such as one or more steps in front of a door. The upper arm is equipped with a manually removable plate. There are several different types of plates available on option.

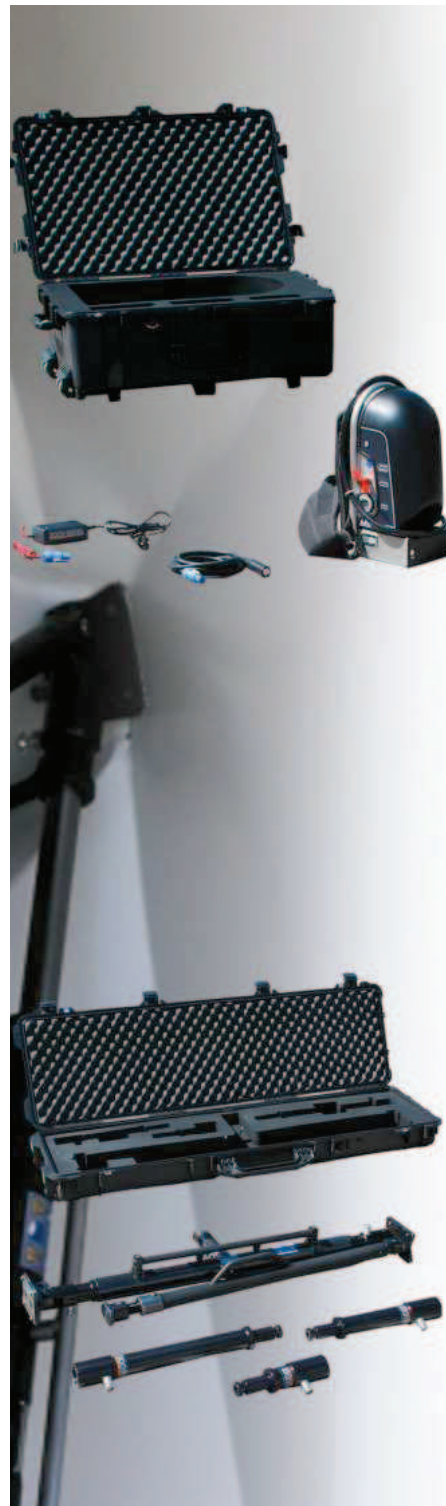
Opening of doors is done progressively, without impact and in optimal silence whichever mode chosen: remote controlled or by actioning the control switch on the tool. Rubber stoppers, placed at strategic points along the tool reduce risk of noise during transportation and whilst operating.

The GHP hydraulic power unit, part of the **DOOR-RAIDER** breaching kit is powered by a 12 V battery. This battery gives approximately 30 minutes of tool action which means that a great number of doors can be breached before battery recharging is necessary. (see pages 82 & 83)

At no point in time during operations will the **DOOR-RAIDER** breacher cease functioning or prevent rescue teams from entering.



Even after being installed on a door, if a particularly high-risk situation warrants it, the **DOOR-RAIDER** can be remotely controlled via the remote control panel.



The **DOOR-RAIDER** pack includes:

**TECHNICAL CHARACTERISTICS**

Hydro-electric power unit reference	GHP
Power supply	12 volt battery
Battery removal	manual
Battery charge indicator	yes
Automatic battery charger	yes
Maximum battery charge time	4 hours
Remote control	yes
Length of remote control cable	5 m – 196.85 inch
GHP power unit dimensions	500 x 240 x 260 mm 19.68 x 9.45 x 10.24 inch
GHP power unit weight during use	20 kg - 44.09 lbs
Delivered in PELICASE transport case	yes
Case dimensions	800 x 520 x 300 mm - 31.50 x 20.47 x 11.81 inch
Total case weight	36 kg - 79.37 lbs

Hydraulic door breacher reference	VE70
Push force	70 kN
Hydraulic jack length	522 mm - 20.55 inch
Camouflage cover	optional
VE70 door breacher dimensions	1210 x 100 mm - 47.64 x 3.94 inch
VE70 door breacher weight	23 kg - 50.71 lbs
Number of extensions	3
Extension length ref. R150	150 mm - 5.91 inch
Extension length ref. R300	300 mm - 11.81 inch
Extension length ref. R450	450 mm - 17.72 inch
Delivered in PELICASE transport case	yes
Case dimensions	1350 x 405 x 170 mm - 53.15 x 15.94 x 6.69 inch
Total case weight	37 kg - 81.57 lbs

## INSTRUCTIONS FOR USE



1. Connect the VE70 jack to the hydraulic power unit.
2. Position the lower base plate of the VE70 jack on the ground, respecting the recommended distances.
3. Adjust the length of the upper arm depending on the height of the door.
4. Action the VE70 jack via its control switch.

Once the upper arm is fixed to the top of the door frame the vertical pushing effort of the VE70 jack creates an important horizontal force to the door.

Once the door is open the DOOR-RAIDER releases itself automatically from its pressure points and can be easily removed by the operator.

## EXAMPLES OF USE

