LIBERVIT

TACTICAL . RESCUE . MARITIME

ENTRY SOLUTIONS

TACTICAL TRAINING DOORS

OPERATOR'S PROTECTION

CATALOGUE 2025

made in France

Several thousands of tools in use in the world

WORLD LEADER
IN TACTICAL ENTRY TOOLS

LIBERVIT
BLACKline

for Police & Gendarmerie
special forces

LIBERVIT
DÉFENSE

for military forces

From a general point of view, even the highest performance equipment will not by itself solution all the situations.

It does not completely cancel the risk encountered by the special units' users on an operation.

As a manufacturer we OWE to ourselves and to the users to give priority to quality, reliability, performance and innovations.

We will never be confronted to front line situations but you on the other hand are facing them daily in France or elsewhere around the world and sometime while using one of our tools.

It is at this very moment that our choice of components, raw material to manufacture the tools that you are using, at this very moment when you are about to give the "GO ahead" that the equipment must prove itself failproof!

Internationally, France benefits from a strong reputation in the fields of security at the operational knowhow level as much as in the equipment manufacturing.

At LIBERVIT, we are experienced technicians, our professional ethic is unwavering and above all we know and respect those using our products and because of this close relationship we have considered their insights and suggestions in the making of our tools.

We pride ourselves in manufacturing French. All the labelled equipment that you had, have or will have in your hands, are made in France with more than 90% of components and raw materials of French origin or from close European Union countries such as Germany, Norway and Italy.

Our 30 years in the design and manufacturing of hydraulic and mechanical tools with land and water applications for the army and police special forces, our seriousness , our professionalism, and our never ended search for innovations has made us a key player within these professional environments.

LIBERVIT is represented in over 60 countries through our specialized Distributors network offering commercial advice, demos, maintenance and after sale service.
All of the LIBERVIT team and myself are available to ensure that none of your question remains unanswered.
We wish you a pleasant read.

Yvan CARDONA, CEO

PSPG
PELOTON
SPECIALISE
PROTECTION
CIVAUX
INTERVENTION
SIE-ES
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POLICE NATIONALE
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GENDARMERIE NATIONALE
GROUPE D'INTERVENTION
GENDARMERIE NATIONALE
DSPAP-SDSB
POLICE NATIONALE
RAID
GENDARMERIE

We would like to thank you for the trust you keep showing us every day.
LIBERVIT has been and still is extremely proud of manufacturing high quality entry tools and to dedicate its resources to design, developing and sharing experiences with end-users.
It honours us to display your insignia, a proof of our long lasting relationship, and it would honour us if you would consider sending us yours to appear in our next edition.

Communication service : communication@libervit.com

Quality & Reliability

Unless otherwise specified by us, our equipments are guaranteed for 3 years from the dispatch date*.

All our equipments comply with CE standard.

Our organization, from engineering to customers' service is ISO 9001 certified.

All our tools undergo rigorous test & control before shipment. It guarantees a high quality, life-long performance and complete reliability of our tools and equipment. The guarantee covers construction defects as well as material flaws noted by our services.

LIBERVIT will provide, for a minimum of 10 years after delivery, any of its tools' spare parts.

* with the exception of products not manufactured by LIBERVIT.

3
YEARS
GUARANTEE

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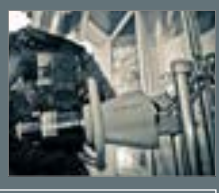

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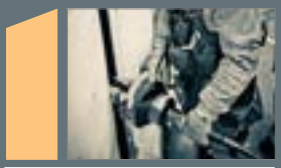

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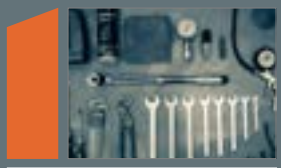

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MANUAL ENTRY TOOLS

For manual breaching : battering rams, sledgehammers, bolt-cutters, axes, window breachers and telescopic levers.

battering rams

sledgehammers

pry bars

bolt-cutters

window-breachers

entry kits

IMPACT7 - IMPACT14 - battering rams

can be used to open doors and/or windows by one single operator.

IMPACT7 - IMPACT14

The IMPACT7 & IMPACT14 battering rams are used to break open doors or windows. Equipped with two solid handles the IMPACT7 & IMPACT14 offer precision and power. The front handle has a hand protection guard. The LIBERVIT battering ram range is a standard within our entry tools.
A tactical backpack EBP-A has been designed to transport on your back a IMPACT7 or IMPACT14 battering ram, a sledgehammer, and a bolt cutter (Entry kits chapter).

removable protection cap

grip handle with protection guard

anti-noise lateral rubber side protection

TECHNICAL CHARACTERISTICS		
tactical battering ram	ref. IMPACT7	ref. IMPACT14
impact area	Ø 89 mm - 3.5 inch	Ø 89 mm - 3.5 inch
removable protection cap	qty 1, ref. CP/IMPACT7	qty 1, ref. CP/IMPACT14
grip handle	qty 2	qty 2
handles' type	solid with grained PVC protection	solid with grained PVC protection
anti-noise lateral rubber side protection	yes, qty 4	yes, qty 4
available colours (handles)	dark grey or olive green	dark grey or olive green
protection guard	qty 1	qty 1
material	black powder coated steel	black powder coated steel
length	458 mm - 18 inch	530 mm - 20 inch
weight	8.3 kg - 18 lbs	14 kg - 30 lbs
impact plate	on option, ref. PP/IMPACT7	on option, ref. PP/IMPACT14
transport bag	on option, ref. ST/IMPACT7	on option, ref. ST/IMPACT14
transport bag' s strap	on option, ref. SP/IMPACT7	on option, ref. SP/IMPACT14
removable soundproof sleeve	on option, ref. H/IMPACT7	on option, ref. H/IMPACT14

IMPACT7/KIT - IMPACT14/KIT
tactical battering ram kits

can be used to open doors and/or windows by one single operator.

IMPACT7/KIT - IMPACT14/KIT

The IMPACT7/KIT & IMPACT14/KIT tactical battering ram kit are delivered with a PP/IMPACT7 & PP/IMPACT14 plate and transport bag. The plate is placed at the front of the ram and is removable. It is used to increase the impact surface and decrease the risk of going through some wooden or PVC doors. In place of the plate, a manually removable protection cap can be used.
Two solid handles offer precision and strength. The front handle has a protection guard.
It is best to keep the ram in its transport bag after cleaning it.

PP/IMPACT14 plate

removable protection cap

transport bag

KITS TECHNICAL CHARACTERISTICS		
tactical battering rams' kit	ref. IMPACT7/KIT	ref. IMPACT14/KIT
tactical battering ram	ref. **IMPACT7**	ref. **IMPACT14**
impact area	Ø 89 mm - 3.5 inch	Ø 89 mm - 3.5 inch
removable protection cap	qty 1, ref. CP/IMPACT7	qty 1, ref. CP/IMPACT14
grip handle	qty 2	qty 2
handles' type	solid with grained PVC protection	solid with grained PVC protection
available colours (handles)	dark grey or olive green	dark grey or olive green
anti-noise lateral rubber side protection	yes, qty 4	yes, qty 4
material	black powder coated steel	black powder coated steel
length	458 mm - 18 inch	530 mm - 20 inch
weight	8.3 kg - 18 lbs	14 kg - 30 lbs
impact plate	qty 1, ref. **PP/IMPACT7**	qty 1, ref. **PP/IMPACT14**
PP/IMPACT plate impact area	150 x 170 mm	150 x 170 mm
PP/IMPACT plate weight	2 kg - 2.5 lbs	2 kg - 2.5 lbs
transport bag	qty 1, ref. **ST/IMPACT7**	qty 1, ref. **ST/IMPACT14**

MR14 - battering ram

can be used to open doors and/or windows by one single operator.

MR14

The MR14 battering ram is used to break open doors or windows. With two solid handles the MR14 offers precision and strength . To add safety the front handle is far from the impact area and has a hand protection guard. The LIBERVIT battering ram range is a standard within our entry tools.
A tactical backpack EBP-A has been designed to transport on your back a MR14 battering ram, a sledgehammer, and a bolt cutter (Entry kits chapter).

protection guard

handles

anti-noise lateral rubber side protection

TECHNICAL CHARACTERISTICS	
tactical battering ram	ref. MR14
impact area	Ø 100 mm - 4 inch
grip handle	qty 2
handles' type	solid with grained PVC protection
available colours (handles)	dark grey or olive green
anti-noise lateral rubber side protection	yes, qty 4
protection guard	yes
material	black powder coated steel
length	569 mm - 22 inch
weight	13.5 kg - 29.5 lbs
transport bag	on option, ref. ST/MR14
transport bag strap	on option, ref. SP/MR14
removable soundproof sleeve	on option, ref. H/MR14

IMPACT7, IMPACT14 & MR14's accessories

IMPACT7, IMPACT14 and MR14's transport bags. Transport straps to ease carriage. Soundproof sleeves to avoid being detected before use. IMPACT7 & IMPACT14 impact plates to increase impact area.

IMPACT7, IMPACT14 & MR14'S ACCESSORIES

On option accessories are available for our LIBERVIT IMPACT7, IMPACT14 and MR14 battering rams.
- MR14, IMPACT7 & IMPACT14 transport bags. The IMPACT7 & IMPACT14 transport bags have an inside pocket to store the PP/IMPACT7 or PP/IMPACT14 plate. A strap fits on the bag and is used for the transport of the portage of the ram
- transport straps: reduces the ram's weight and ease transportation.
- soundproof sleeves to avoid being detected before use.
- PP/IMPACT plate only for the IMPACT7 & IMPACT14 to increase the impact surface and decrease the risk of going through some wooden or PVC doors.

TECHNICAL CHARACTERISTICS

battering ram reference	IMPACT7	IMPACT14	MR14
battering ram's transport bag	ref. ST/IMPACT7	ref. ST/IMPACT14	ref. ST/MR14
available colours	dark grey or olive green	dark grey or olive green	dark grey or olive green
battering ram's transport strap	ref. SP/IMPACT7	ref. SP/IMPACT14	ref. SP/MR14
available colours	dark grey or olive green	dark grey or olive green	dark grey or olive green
battering ram's soundproof sleeve	ref. H/IMPACT7	ref. H/IMPACT14	ref. H/MR14
available colours	dark grey or olive green	dark grey or olive green	dark grey or olive green
IMPACT7 or IMPACT14 impact plate	ref. PP/IMPACT7	ref. PP/IMPACT14	none
material	black powder coated steel	black powder coated steel	
impact plate dimensions	150 x 170 x 60 mm	150 x 170 x 60 mm	
	6 x 6.5 x 2.5 inch	6 x 6.5 x 2.5 inch	
weight	2 kg - 4.5 lbs	2 kg - 4.5 lbs	

MR20 & MR30 - battering rams

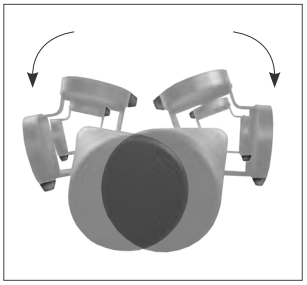
can be used to open doors and/or windows by two operators.

MR20 - MR30

The MR20 & MR30 battering rams are used to break open doors or windows.
The shape and positioning of the handles have been thought to be used by two persons. To add safety the front handles are far from the impact area and have a hand protection guard.
Its 20 or 30 kg weight help in opening quite resistant doors.
The LIBERVIT MR series battering rams are a standard within our entry tools.

4 grip handles with protection guard

front handles



anti-noise lateral rubber side protection

TECHNICAL CHARACTERISTICS		
tactical battering ram	ref. MR20	ref. MR30
utilisation	1 or 2 persons	2 persons
impact area	Ø 100 mm - 4 inch	Ø 100 mm - 4 inch
grip handles	qty 4	qty 4
handles' type	solid with grained PVC protection	solid with grained PVC protection
available colours (handles)	dark grey or olive green	dark grey or olive green
anti-noise lateral rubber side protection	yes, qty 4	yes, qty 4
protection guard	yes	yes
material	black powder coated steel	black powder coated steel
length	820 mm - 33 inch	1090 mm - 43 inch
weight	20 .3 kg - 44.5 lbs	30 kg - 66 lbs

MSA

BS5 - BS3 - NBS1 - sledge hammers

used to quickly gain entry.

BS5 - BS3 - NBS1

transport strap

The BS5, the BS3 and NBS1 sledgehammers are usually used to quickly gain entry.
The grip handle answers the NF EN 60900 norms as it is insulating and can protect from up to 1000V in alternating current and up to 1500V in direct current. The sledgehammers are made of steel.
A tactical backpack EBP-A has been designed to transport on your back a BS3 or a BS5 sledgehammer, a battering ram, and a bolt cutter (Entry kits chapter).
A EBPN-A tactical bag has been designed to carry on the back a NBS1 small sledgehammer and a NBP small lever.

BS5, BS3 & NBS1 sledgehammers

Electrical shocks' rubber protection handle

4 kg sledgehammer' s head

TECHNICAL CHARACTERISTICS			
sledgehammer	ref. BS5	ref. BS3	ref. NBS1
sledgehammer head weight	4 kg	4 kg	1 kg
protection handle	electrical shocks' protective coating	electrical shocks' protective coating	electrical shocks' protective coating
available colours	dark grey or olive green	dark grey or olive green	dark grey or olive green
total length	850 mm - 3 ft	625 mm - 2 ft	305 mm - 1 ft
total weight	6.6 kg - 14.5 lbs	6 kg - 13 lbs	1.7 kg - 3.7 lbs
transport strap	on option, ref. SP	on option, ref. SP/BS3	

CBT10 - CBT12 - bolt cutters

to cut padlocks, fences, barbwire etc.

CBT10 - CBT12

transport strap

The CBT10 and CBT12 bolt-cutters are used to cut through padlocks, barbwire, fences. The electrical shocks' rubber protection, norms NF EN 69000, keeps you safe when cutting live objects up to 1000V in AC and up to 1500V in DC . A tactical backpack EBP-A has been designed to transport on your back a CBT10 or a CBT12 bolt-cutter, a battering ram, and a sledgehammer (Entry kits chapter).

replaceable blades

electrical shocks' rubber protection handle

Ø 12 mm max cutting capacity

TECHNICAL CHARACTERISTICS	
small size bolt-cutter	ref. CBT10
blades	replaceable
cutting capacity	Ø 10 mm - 0.4 inch max
arms	electrical shocks' protective coating
available colours	dark grey or olive green
total length	627 mm - 2 ft
weight	2.7 kg - 6 lbs
transport strap	on option, ref. SP
big size bolt-cutter	réf. CBT12
blades	replaceable
cutting capacity	Ø 12 mm - 0.5 inch max
arms	electrical shocks' protective coating
available colours	dark grey or olive green
total length	770 mm - 2.5 ft
weight	3.9 kg - 8.5 lbs
transport strap	on option, ref. SP

BA6 - tactical axe

to tear, cut, pierce through, make gaps..

BA6

transport strap

There is a real need for such a tool in breaching operations, excavation, and numerous other applications. The BA6 tactical axe can tear, cut, pierce through, make gaps. Its blade is two-sided: one comes with an adze head and the other with a pickaxe. The electrical shocks' rubber protection, norms NF EN 69000, keeps you safe when cutting live objects up to 1000V in AC and up to 1500V in DC.

adze head – cutting side

electrical shocks' rubber protection handle

pickaxe head- perforating side

TECHNICAL CHARACTERISTICS	
tactical axe	ref. BA6
blade length	230 mm - 9 inch
hardness	M310
steel type	stainless steel
blade type	adze head & pickaxe
blades	replaceable
handle	electrical shocks' protective coating
available colours	dark grey or olive green
total length	750 mm - 2.5 ft
weight	3 kg - 7 lbs
transport strap	on option, ref. SP
protection head & pick axe	on option, ref. HP/BA6

TWB15 - telescopic window breacher

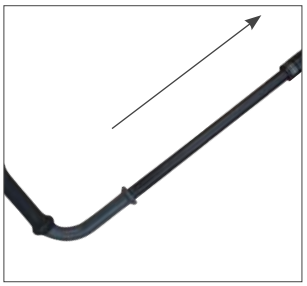
to break and pierce windows, shutters, PVC curtains.

TWB15

The TWB15 window breacher works great to remove the toughest windows, blinds and curtains. The telescopic rod is perfect for piercing, pulling, pushing and ripping out windows. Its telescopic handle is perfect to reduce its size for transport and storage. Its 360° handle offers 4 locking points.

serrated cutting edge and spike

360° handle with 4 locking points



telescopic handle

TECHNICAL CHARACTERISTICS	
window breacher	ref. TWB15
blade length	250 mm - 9 inch
hardness	M310
steel type	stainless steel
blade type	serrated cutting edge and spike
blade	replaceable
rod	telescopic
handle	360° handle with 4 locking points
available colours	dark grey, black or olive green
retracted length	1200 mm - 4 ft
deployed length	1650 mm - 5.5 ft
weight	3.3 kg - 7 lbs

SINGLE HEAD - ACTION2 - NPB - pry bars

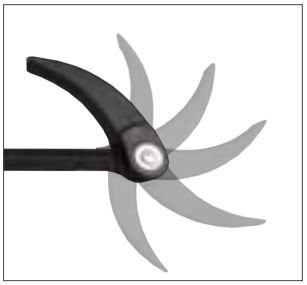
spread partitions, walls and light-weight doors, rips out bolt locks and padlocks, raises metal shutters, to prepare a space on the door frame to place a hydraulic door opener, etc...

SINGLE HEAD - ACTION2 - NPB

transport strap

The SINGLE HEAD/ ACTION2/ NPB pry bars belong to the manual entry tools range. They spread partitions, walls and light-weight doors, rips apart bolt locks and padlocks, raises metal shutters, to prepare a space on the door frame to place a hydraulic door opener etc.
The SINGLE HEAD pry bar measures up to 960 mm and the ACTION2 pry bar up to 1050 mm. Their 180° indexable head offers a 14 locking positions for all type of access. The indexable head is made from high-resistance steel foundry covered in a black anti-corrosion coating.
At its other end the ACTION2 pry bar finishes as a crowbar to rip apart nails or be used as a lever.
The NPB pry bar, 360 mm long has a V-shape head with a hit point and 11 locking positions.

ACTION2 crowbar end



180° indexable head

NPB pry bar V-shape head

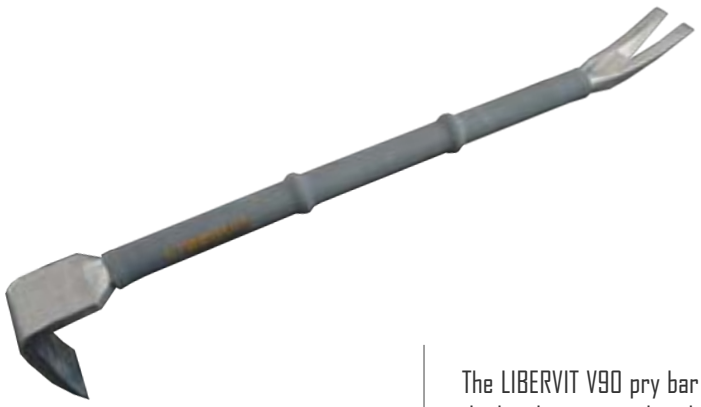
TECHNICAL CHARACTERISTICS

reference	SINGLE HEAD	ACTION 2	NPB
telescopic	yes	yes	no
material	black treated steel	black treated steel	black treated steel
retracted length	635 mm - 2 ft	730 mm - 2.4 ft	370 mm - 1.5 ft
deployed length	960 mm - 3 ft	1050 mm - 3.5 ft	
handle diametre	Ø 35 mm - Ø 1 inch	Ø 32 mm - Ø 1 inch	Ø 20 mm - Ø 0.7 inch
handle	PVC protection	PVC protection	electrical shocks' protective coating
available colours	dark grey or olive green	dark grey or olive green	dark grey or olive green
dimensions	650 x 75 mm - 25 x 3 inch	730 x 95 mm - 29 x 4 inch	370 x 35 mm - 14 x 1 inch
weight	2.2 kg - 4.5 lbs	2.7 kg - 5.5 lbs	1 kg - 2.2 lbs
transport strap	on option, ref. SP/SH	on option, ref. SP/H	

V90 - tactical pry bar

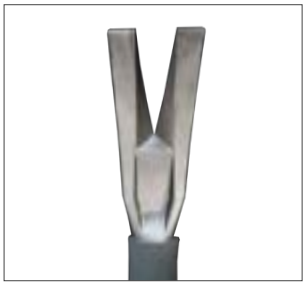
spread partitions, walls and light-weight doors, rips apart bolt locks and padlocks, raises metal shutters, etc. it creates gaps to able hydraulic door-openers to fit in.

V90



transport strap

The LIBERVIT V90 pry bar has at one end a large, notched plate at a 90° angle from the handing arm and at the other end a crowbar.
The notched plate is made from high resistance treated steel, perfect to resist intense spreading efforts and has also a hit pad onto which a hammer or ram can be used to push the notched plate in dire places.
The crowbar end is used to rip apart nails, padlocks and create gaps for LIBERVIT hydraulic door-openers such as the OP55, OP71 or the FAST35.
For better hold the handle is coated with non-slip semi-rigid PVC.
A tactical backpack rack has been designed to transport on your back a CBT10 or a CBT12 bolt-cutter, a sledgehammer & a V90 lever.



crowbar

hit pad

notched plate

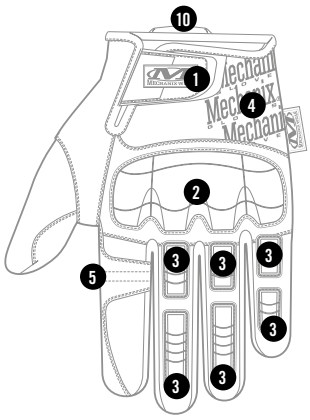
TECHNICAL CHARACTERISTICS	
pry bar	ref. V90
telescopic	no
lever heads	90° notched plate and crowbar
material	high resistance treated steel
handle diametre	Ø 20 mm - Ø 0.7 inch
handle	PVC protection
available colours	dark grey or olive green
length	711 mm - 28 inch
weight	2.5 kg - 5.4 lbs
engineered by	SET
transport strap	on option, ref. SP

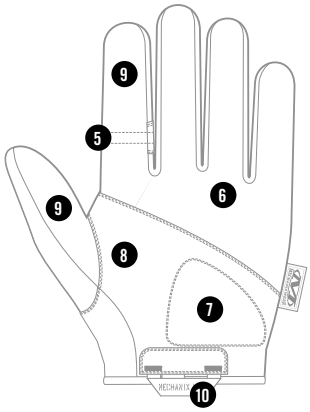
Hand's protection

protect the hands in operation against impacts or flames.

L-BREACHER

The L-breacher is a tactical glove used by special intervention groups from the Police or the Military. A dense thermoplastic elastomer moulded knuckles protection (TPE) answers the EN13594 anti-impact norm. A palm padding absorb the impacts to relieve the hand from unnecessary stress in operation. Special forces (GIGN, SWAT, etc.) are protected by the Nomex and goat leather material when using explosives.
The L-breacher goat material is compatible with touch screens.





Certifications

Sizes

XXXS	XXS	XS	S	M	L	XL	XXL	XXXL
05	06	07	08	09	10	11	12	13

TACTICAL GLOVES - ref. L-BREACHER
1. the Wide-Fit closing is comfortable and secured at the wrist
2. the dense thermoplastic elastomer moulded knuckles protection (TPE) answers the EN13594 anti-impact norm
3. the dense thermoplastic elastomer moulded fingers protection (TPE) reduces impacts and abrasions.
4. Nomex® offers high resistance to flames
5. the trigger finger double seams resist fraying
6. 0,6 mm. Fireproof goat leather
7. the D30 palm padding absorb the impacts to relieve the hand from unnecessary stress in operation.
8. the goat and deer leather outer side resists to flames and gives a better hold
9. touch screen fireproof goat leather
10. nylon buckles.

Entry kits - transport bags

these transport bags are made to carry LIBERVIT tactical manual tools on the back.

BACKPACK BAGS- EBP series

The EBP series bags have been, designed to back carry 3 or 4 LIBERVIT manual tools. The tools are stowed on the bags with the help of straps, quick-release buckles and Velcro.
The back is padded with a high density foam for comfort as well as adjustable padded shoulder straps, an abdominal belt and an adjustable chest strap for back support.
To complete the bag, a reinforced handle to carry by hand and a protection sleeve to cover the whole equipment in extreme weather.
A small backpack ref. EBPNI is also available to carry the NSBI sledgehammer and a NPB pry bar.
Different colours are available on demand: dark grey/ olive green / camouflage.

TECHNICAL CHARACTERISTICS	
backpack bag	ref. EBP series (references differ with tools choice)
material	Cordura® nylon fabric
available colours	dark grey or olive green or camouflage
removable protection sleeve	yes, ref. HP/EBP (3 tools) or ref. H4P/EBP (4 tools) zipped storage pocket
sleeve IP index	IP64
reinforced handle	yes
adjustable straps	padded straps, abdominal belt, chest strap
backrest	rigid and padded
transport modes	on back, by hand
configuration	3 or 4 LIBERVIT manual tools to choose from (sledgehammer, bolt-cutters..)
EBP dimensions (3 tools)	600 x 500 mm
EBP dimensions (4 tools)	650 x 600 mm
weight empty	EBP-A: 1.8 kg - EBP-B: 1.5 kg - EBP-C: 1.6 kg - EBP-D: 1.5 kg - EBP-E: 1.8 kg EBP-F: 2.3 kg - EBP-G: 2.4 kg - EBP-H: 2.4 kg - EBP-I: 2.4 kg - EBP-J: 2.5 kg

Entry kits - transport bags

EBP-A

EBP-B

EBP-C

EBP-D

EBP-E

EBP-F

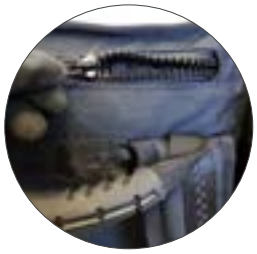
EBP-G

EBP-H

EBP-I

backpack bag

adjustable straps



protection sleeve storage pocket

straps with quick-release buckles

Cordura© nylon fabric (1100 Den)

removable protection sleeve (IP64)

Velcro straps to stow tools

rigid and padded backrest for comfort

reinforced transport handle

adjustable chest strap

Entry kits selection

LIBERVIT manual tools possible configurations on entry kits backpack racks. Refer to the table below, non-exhaustive list. Special configurations on demand.

3 tools transport backpack racks

entry kits reference	CBT10 bolt cutter	CBT12 bolt cutter	BS3 sledgehammer	BS5 sledgehammer	MR14 ram	IMPACT7 ram	IMPACT14 ram	SINGLE HEAD pry bar	ACTION2 pry bar	V90 pry bar	backpack bags
EBP1	■		■		■						EBP-A
EBP2		■		■	■						EBP-A
EBP3		■	■		■						EBP-A
EBP4	■			■	■						EBP-A
EBP5	■		■				■				EBP-C
EBP6	■		■					■			EBP-B
EBP7		■		■					■		EBP-B
EBP8	■		■						■		EBP-B
EBP9	■			■			■				EBP-C
EBP10		■		■			■				EBP-C
EBP11		■	■					■			EBP-B
EBP12		■		■				■			EBP-B
EBP13	■			■				■			EBP-B
EBP14		■					■		■		EBP-D
EBP15		■					■	■			EBP-D
EBP16	■						■	■			EBP-D
EBP17	■				■				■		EBP-E
EBP18	■				■			■			EBP-E
EBP19	■		■			■					EBP-C
EBP20		■		■		■					EBP-C
EBP21		■	■			■					EBP-C
EBP22	■			■		■					EBP-C
EBP23		■	■				■				EBP-C
EBP24	■			■					■		EBP-B
EBP25		■	■						■		EBP-B
EBP26	■						■		■		EBP-D
EBP27	■					■		■			EBP-D
EBP28		■				■			■		EBP-D
EBP29		■				■		■			EBP-D
EBP30	■					■			■		EBP-D
EBP31		■			■			■			EBP-E
EBP32		■			■				■		EBP-E
EBP49	■		■							■	EBP-G
EBP50	■			■						■	EBP-G
EBP51		■		■						■	EBP-G
EBP52	■				■					■	EBP-H
EBP53	■						■			■	EBP-H
EBP54		■	■							■	EBP-G

Non-exhaustive list. 4 LIBERVIT manual tools configuration possible. Available colours: dark grey, olive green or camouflage.

EBP1

EBP2

EBP3

EBP4

EBP5

EBP6

EBP7

EBP8

EBP9

EBP10

EBP11

EBP12

EBP13

EBP14

EBP15

EBP16

EBP17

EBP18

EBP19

EBP20

EBPN1 - entry nano tools' kit

this small backpack has been designed to carry a NBS1 sledge hammer and a NPB pry bar.

EBPN1 - entry nano tools' kit

EBPN1

The EBPN1 entry nano tools' backpack rack kit has been designed to carry a NBS1 sledge hammer and a NPB pry bar. The tools are stowed on the backpack rack with the help of straps & quick-release buckles.
The back is padded with a high density foam for comfort and also with 4 female quick-release buckles to clip any kind of accessories supplied with a male quick-release buckles.
To transport the backpack rack, by hand with a reinforced handle or by shoulder with a removable strap with quick-release buckles (ref. SP/N). A removable protection sleeve to cover the whole equipment in extreme weather is available on option and can be store in a zipped storage pocket on the bottom backpack rack.
On option, adjustable and removable backpack shoulder straps with emergency quick-release buckles can be set on the back of the EBPN-A backpack rack.

TECHNICAL CHARACTERISTICS	
entry nano tools backpack rack	ref. EBPN1
includes :	
backpack rack empty	ref. EBPN-A
removable strap with quick-release buckles	ref. SP/N
sledge hammer	ref. NBS1
pry bar	ref. NPB
backpack rack material	Cordura® advanced fabric (1100 Den)
backpack rack available colours	dark grey or olive green or camouflage
sleeve IP index	IP64
reinforced handle	yes
removable strap with quick-release buckles	yes, ref. SP/N
backrest	rigid and padded
zipped storage pocket	yes, compartment for the removable protection sleeve
transport modes	by hand, on shoulders
configuration	to set a NBS1 sledge hammer & a NPB pry bar
EBPN-A dimensions	430 x 260 x 70 mm - 15 x 10 x 3 inch
EBPN-A weight empty	520 g - 1 lbs
EPBN1 weight fully equiped	2.9 kg - 6.5 lbs
removable protection sleeve	on option, ref. HP/EBPN-A, to store in the EBPN-A's zipped pocket
pair of backpack shoulder straps' emergency release buckles	on option, ref. EPGD, to set on the back of the EBPN-A backpack rack, removable and adjustable

NOTCHED-CORNER – door wedges

wedges to hold door under restraint while opening with your manual or hydraulic breaching tool.

NOTCHED-CORNER

The LIBERVIT rubber door wedges ref. NOTCHED-CORNER come with a set of 3.
They are useful to hold the door under restraint when opening with a LIBERVIT manual tool or a LIBERVIT hydraulic door opener.

holds the door under restraint

anti-slip notches

retaining strap

TECHNICAL CHARACTERISTICS	
rubber door wedges	ref. NOTCHED-CORNER
delivered	a set of 3
material	rubber
retaining strap	yes
dimensions	164 x 91 x 40 mm - 6.5 x 3.5 x 1.5 inch
weight of one door wedge	365 gr - 13 oz

TP3 - TP4 - Clearance obstacle's telescopic poles

is designed to hook, push, pull during urban operations when operators need to easily clear a suspect object that obstructs the way during their action.

TP3 - TP4

The clearance obstacle's telescopic carbon pole is designed is designed to hook, push, pull during urban operations when operators need to easily clear a suspect object that obstructs the way during their action. Different telescopic pole's sizes are available (extension up to 3 m or 4.5 m).
The poles are available with adapters that allow the use of different accessories. Made of carbon fibre.
The pole is lightweight and have a quick release system to lock or extend the telescopic pole.

3 m-10 ft and 4.5 m- 15 ft poles

adapter to position an accessory

telescopic pole extended

TECHNICAL CHARACTERISTICS			
	reference	dimensions	weight
3 m telescopic carbon pole	ref. TP3	705 mm - 2.5 ft retracted	1.44 kg - 3 lbs
		3 m - 10 ft deployed	
4.5 m telescopic carbon pole	ref. TP4	985 mm - 3.5 ft retracted	2 kg - 4.5 lbs
		4.5 m - 15 ft deployed	
fixation Gopro		flat and curved adhesive	
material		carbon fiber, polyamide, and anodized aluminium	
locking system and quick release		yes	

POLICE

HYDRAULIC DOOR OPENERS

Ensures the opening of inward and outward opening doors silently and quickly.*

* depending on the door type.

light hydraulic door-openers

anti-panic hydraulic door-opener

mid-range hydraulic door-opener

entry hydraulic units

high performance hydraulic
door opener

fast hydraulic spreader with controlled
action

OP55 - OP55L - OP55HC - OP55LHCP
light hydraulic door openers

ensure quick and silent opening of inward opening non-armoured doors, gates, shutters, sliding curtains and also outward by acting as a spreader.

OP55 - OP55L - OP55HC - OP55LHCP

OP55

OP55L

OP55HC

OP55LHCP

transport harness
on B.A.S. optima &
B.A.S. superlight

The OP55, OP55L, OP55HC & OP55LHCP hydraulic door openers ensure quick and silent opening of inward opening doors, gates, shutters, sliding curtains and also outward by acting as a spreader during a break-in mission.
With the OP55 or OP55L, a handle with a contactor to action the door-opener offers a good hand hold. For the OP55HC & OP55LHCP, they have a service handle that activates the hydraulic door opener.
For the tool to work, it must be connected to a LIBERVIT hydraulic power unit or a hydraulic manual pump*.
The OP55, OP55L, OP55HC & OP55LHCP are delivered in a transport bag.
A transport harness (ref. H/OP55/SNIP) allows the hand carrying of a light door opener but also to be clipped on the buckles at the front of the shoulder straps of a LIBERVIT hydraulic power unit allowing you to move in areas difficult to access while keeping hands available (accessory optional).
They can also be delivered on option in a PELICASE® transport case.
(*used with a hydraulic manual pump, the OP55 or OP55L door openers will not retract automatically.)

TECHNICAL CHARACTERISTICS				
lightweight hydraulic jack	ref. OP55	ref. OP55L	ref. OP55HC	ref. OP55LHCP
jack thrust	6 tons	6 tons	6 tons	6 tons
jack's stroke	143 mm - 6 inch	220 mm - 9 inch	143 mm - 6 inch	220 mm - 9 inch
handle grip	yes with contactor	yes with contactor	service handle	service handle
dimensions	325 x 112 x 240 mm 13 x 4.5 x 9.5 inch	403 x 112 x 240 mm 16 x 4.5 x 9.5 inch	446 x 112 x 113 mm 17.5 x 4.5 x 4.5 inch	523 x 112 x 224 mm 20.5 x 4.5 x 8.8 inch
weight	4.8 kg - 10.5 lbs	5.8 kg - 13 lbs	5.7 kg - 12.5 lbs	6.6 kg - 14.5 lbs
transport bag	ref. ST/OP55	ref. ST/OP55L	ref. ST/OP55HC	ref. ST/OP55LHCP

ACCESSORIES ON OPTION :				
PELICASE® transport case	ref.VDT/OP55 (1450)	ref.VDT/OP55L (1500)	ref.VDT/OP55HC (1550EU)	ref.VDT/OP55LHCP (1550EU)
dimensions	407 x 330 x 175 mm	470 x 357 x 176 mm	524 x 429 x 206 mm	524 x 429 x 206 mm
empty case weight	3 kg - 6 lbs	3.5 kg - 8 lbs	5.5 kg - 12 lbs	5.5 kg - 12 lbs
PELI Storm® transport case	ref. VLD/OP55 (IM2300)	ref. VLD/OP55L (IM2600)	ref. VLD/OP55HC (IM2600)	ref. VLD/OP55HC (IM2600)
dimensions	462 x 340 x 170 mm	538 x 406 x 210 mm	538 x 406 x 210 mm	538 x 406 x 210 mm
empty case weight	3.2 kg - 7 lbs	3.8 kg - 8.5 lbs	3.8 kg - 8.5 lbs	3.8 kg - 8.5 lbs

hydraulic coupling protection cap	ref. BF
transport bag's strap	ref. SP/OP55 (to clip on the transport bag)
transport harness	ref. H/OP55/SNIP

transport harness

LIBERVIT

OP71P - OP71 - OP71HCP - OP71HC
light hydraulic door openers

ensure the opening of inward and outward opening doors, gates, shutters, sliding curtains silently and quickly as well as some ships' waterproof doors.

OP71P - OP71 - OP71HCP - OP71HC

OP71P OP71 OP71HCP OP71HC

transport harness
on B.A.S. optima
& B.A.S. superlight

The OP71P , OP71, OP71HCP and OP71HC hydraulic door openers ensure quick and silent opening of inward opening doors, gates, shutters, sliding curtains and also outward by acting as a spreader.
For the tool to work, it must be connected to a LIBERVIT hydraulic power unit or a hydraulic manual pump*.
The OP71P, OP71, OP71HCP or OP71HC are delivered in a transport bag.
A transport harness (ref. H/OP71/SNIP) allows the hand carrying of a light door opener but also to be clipped on the buckles at the front of the shoulder straps of a LIBERVIT hydraulic power unit allowing you to move in areas difficult to access while keeping hands available (accessory optional).
They can also be delivered on option in a PELICASE® transport case.
(*used with a hydraulic manual pump, the OP71, OP71P or OP71HC door openers will not retract automatically.)

TECHNICAL CHARACTERISTICS

light hydraulic door-opener	ref. OP71	ref. OP71P	ref. OP71HC	ref. OP71HCP
1st stage thrust	7.2 tons	7.2 tons	7.2 tons	7.2 tons
2nd stage thrust	2.8 tons	2.8 tons	2.8 tons	2.8 tons
jack's stroke	262 mm - 10 inch	262 mm - 10 inch	262 mm - 10 inch	262 mm - 10 inch
1st stage's stroke	151.5 mm - 6 inch	151.5 mm - 6 inch	151.5 mm - 6 inch	151.5 mm - 6 inch
2nd stage's stroke	110.5 mm - 4.5 inch	110.5 mm - 4.5 inch	110.5 mm - 4.5 inch	110.5 mm - 4.5 inch
handle grip	no	90°indexable, 3 positions	service handle	service handle & 90°indexable, 3 positions
dimensions	365 x 140 x 120 mm 14 x 5.5 x 5 inch	365 x 260 x 120 mm 14 x 5.5 x 5 inch	462 x 140 x 120 mm 19 x 5.5 x 4.5 inch	462 x 260 x 120 mm 19 x 10.5 x 5 inch
weight	6 kg - 13 lbs	6.2 kg - 13.5 lbs	6.6 kg - 14.5 lbs	7.2 kg - 16 lbs
transport bag	ref. ST/OP71	ref. ST/OP71P	ref. ST/OP71HC	ref. ST/OP71HCP

ACCESSORIES ON OPTION :

PELICASE® transport case (black colour)	ref. VDT/OP71 or VDT/OP71P (1500)	ref. VDT/OP71HC or VDT/OP71HCP (1550)
dimensions	470 x 357 x 176 mm	524 x 429 x 206 mm
empty case weight	3.5 kg - 8 lbs	5.5 kg - 12 lbs
PELI Storm® transport case (green colour)	ref. VLD/OP71 or VLD/OP71P (IM2300)	VLD/OP71HC or VLD/OP71HCP (IM2600)
dimensions	462 x 340 x 170 mm	538 X 406 X 210 mm
empty case weight	3.2 kg - 7 lbs	3.8 kg - 8.5 lbs

hydraulic coupling protection cap	ref. BF
transport bag's strap	ref. SP/OP71 (to clip on the transport bag)
transport harness	ref. H/OP71/SNIP

transport harness

UBERMIT

EFFRAC

HR7- middle range hydraulic door-opener

designed to open PVC, wooden or metal doors,
single or multi-locks opening inward.

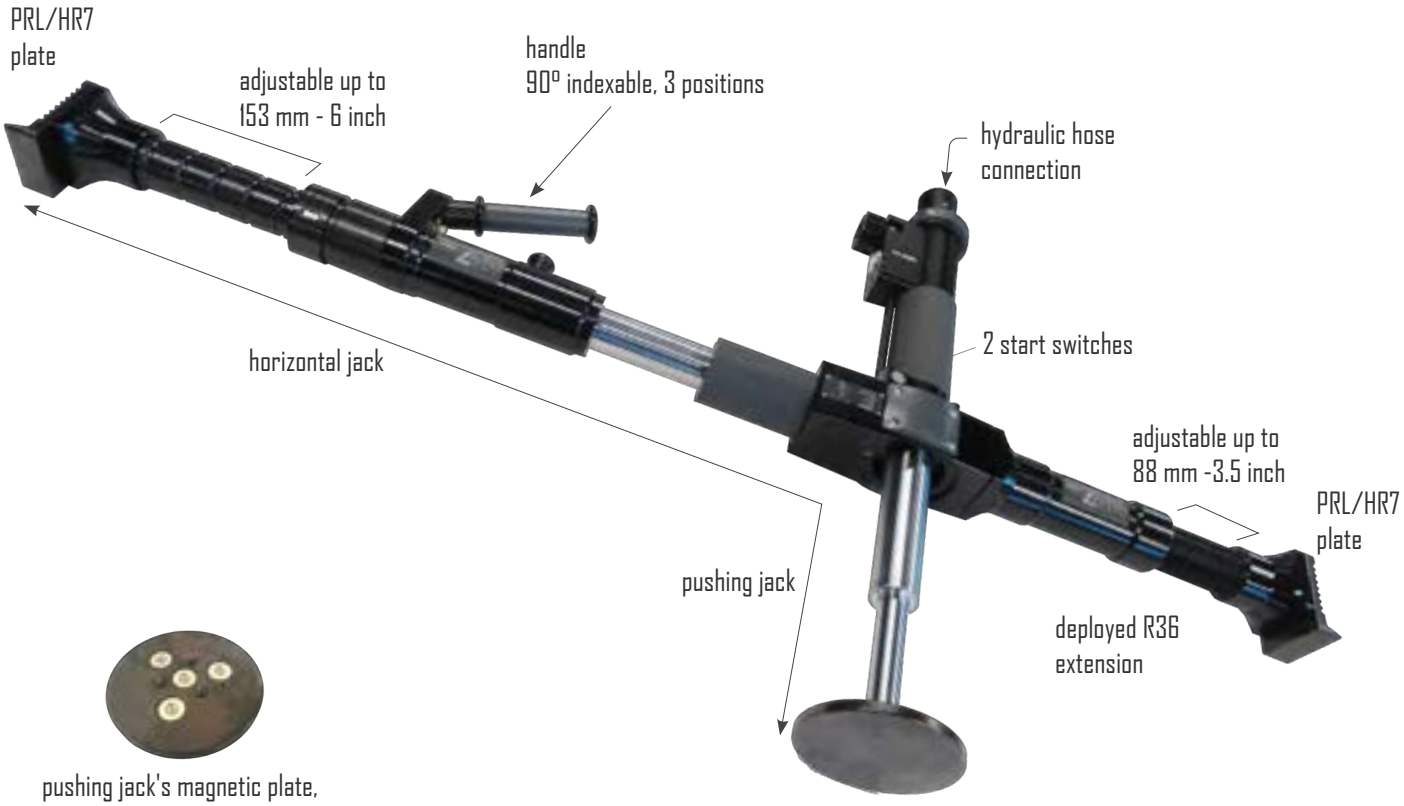
HR7

Designed to open PVC, wooden or metal doors, single or multi-locks opening inward, the HR7 hydraulic jack is placed horizontally between the door's vertical frames. A handle on the jack gives a better grip. It has an exclusive telescopic rod system with a "Extend" quick-lock and it can be adjusted in length to reduce installation time in front of the door.
A removable magnetic plate on the pushing jack will allow you to have a larger impact area to breach the door.
For power supply, the HR7 jack requires either one of the LIBERVIT hydraulic power units or a LIBERVIT manual pump. Two control switches on the tool activate the HR7 jacks.

HR7- mid-range hydraulic door-opener

TECHNICAL CHARACTERISTICS	
mid-range hydraulic door opener	ref. **HR7**
horizontal jack's thrust	5.7 tons
retracted horizontal jack total length	670 mm - 26 inch
deployed horizontal jack total length	785 mm - 31 inch
horizontal jack stroke deployed maximal length	115 mm - 4.5 inch
horizontal jack's stroke extension	adjustable up to 153 mm - 6 inch
horizontal jack extension's system	by unlocking the mobile ring
horizontal jack & its extension deployed total length	937.6 mm - 37 inch
horizontal jack, its extension & R36 extension deployed total length	1292 mm - 4.2 ft
pushing jack 1st stage thrust	7.2 tons
pushing jack 2nd stage thrust	2.8 tons
pushing jack 1st stage stroke	175 mm - 7 inch
pushing jack 2nd stage stroke	113 mm - 4.5 inch
total pushing jack stroke	288 mm - 11 inch
horizontal jack handle	yes, 90° indexable, 3 positions
start switches	yes, qty 2
available colours	dark grey, black or olive green
dimensions	670 x 470 x 100 mm - 26.5 x 18.5 x 4 inch
door-opener and plate pair weight PP/HR7	13.9 kg - 30.7 lbs
delivered with a pushing jack's magnetic plate	ref. **PAA/HR7**, qty 1, removable, 4 strong magnets
dimensions	Ø 135 mm x 10 mm
weight	1.13 kg - 2.5 lbs
delivered with 3 pairs of plates	yes, removable, ref. **PP/HR7**, ref. **PR/HR7**, ref. **PRL/HR7**
PP/HR7 plate dimensions	74.7 x 72 x 33.5 mm - 3 x 2.5 x 1.2 inch
weight of 1 base plate	520 g - 1.15 lbs
PR/HR7 plate dimensions (with hook)	74.7 x 72 x 51.13 mm - 3 x 2.5 x 2 inch
weight of 1 base plate	580 g - 1.28 lbs
PRL/HR7 plate dimensions (large with hook)	74.7 x 92 x 51.13 mm - 3 x 3.5 x 2 inch
weight of 1 base plate	700 g - 1.54 lbs
delivered with 2 extensions	yes, qty x2, removable, ref. **HR40**
extension length	40 mm - 1.5 inch
dimensions	75 x 70 x 60 mm - 3 x 2.5 x 2 inch
poids	540 gr - 19 oz
delivered with extension	yes, removable, ref. **R36**
length HR7 retracted with extension	268 mm - 10.5 inch
length HR7 deployed with extension	356 mm - 14 inch
R36 extension	adjustable up to 88 mm - 3.5 inch
extension system	by screwing
dimensions	292 x 72 x 74.5 mm - 11.4 x 2.8 x 3 inch
weight	1.6 kg - 3.5 lbs
delivered with retractable tape measure	yes, ref. **L3M**
tape length	3 m - 10 ft
tape width	16 mm - 0.5 inch
magnetic	yes
self-locking	yes
dimensions	70 x 60 x 30 mm - 3 x 2.5 x 1 inch
weight	11 g - 0.5 oz

delivered in PELICASE© & Peli Storm® transport case	ref. **VDT/HR7** (LIBERVIT BLACKline)	or	ref. **VLD/HR7** (LIBERVIT DEFENSE)
available colours	black (1610)		olive green (IM2720)
silica gel cartridge	qty 1, used to prevent humidity		qty 1, used to prevent humidity
dimensions	628 x 498 x 303 mm - 25 x 20 x 12 inch		625 x 500 x 218 mm - 24 x 19 x 8 inch
weight empty	10.4 kg - 23 lbs		9.3 kg - 20.5 lbs
weight loaded	29.7 kg - 65.5 lbs		29 kg - 64 lbs



PAA/HR7
pushing jack's magnetic plate

pushing jack's magnetic plate,
ref. PAA/HR7

×2 plates, ref. PP/HR7

×2 plates, ref. PR/HR7

×2 plates, ref. PRL/HR7

x2 HR40 extensions

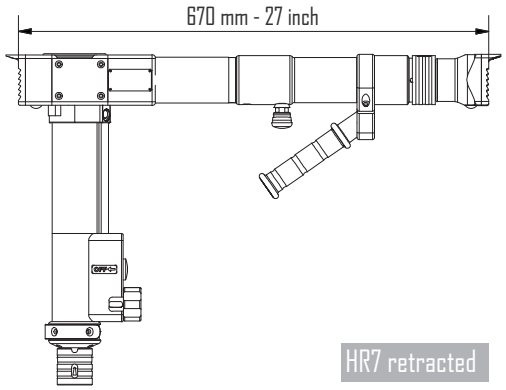
R36 extension

L3M tape measure

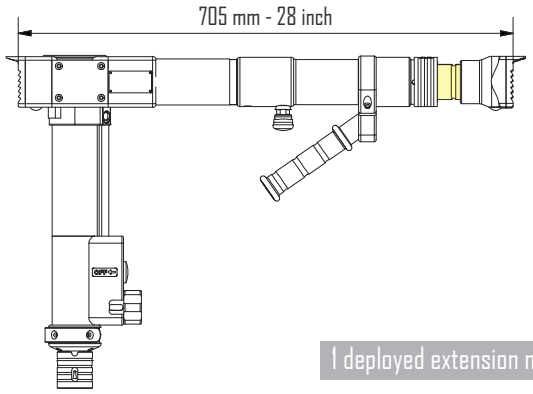
silica gel cartridge
(used to prevent humidity)

PELICASE® transport case, ref. VDT/HR7

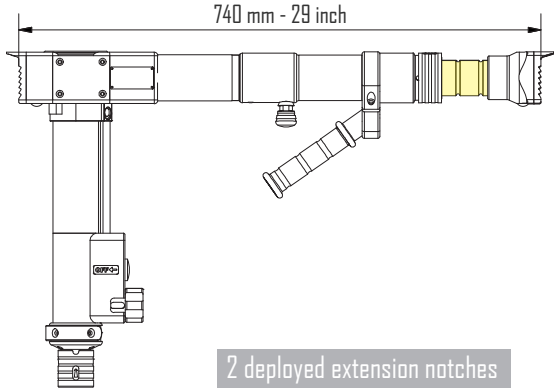
HR7 different positions' dimensions



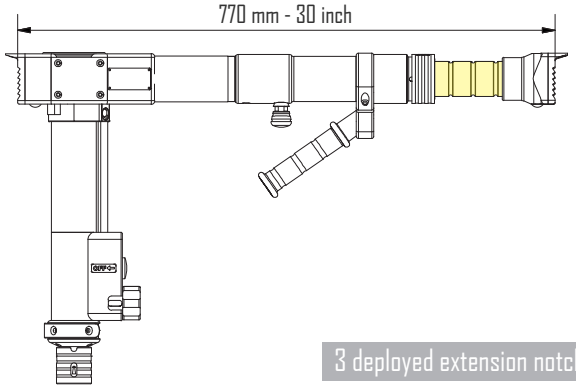
HR7 retracted



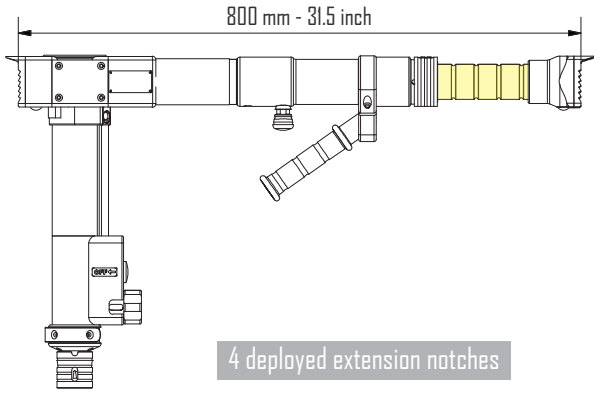
1 deployed extension notch



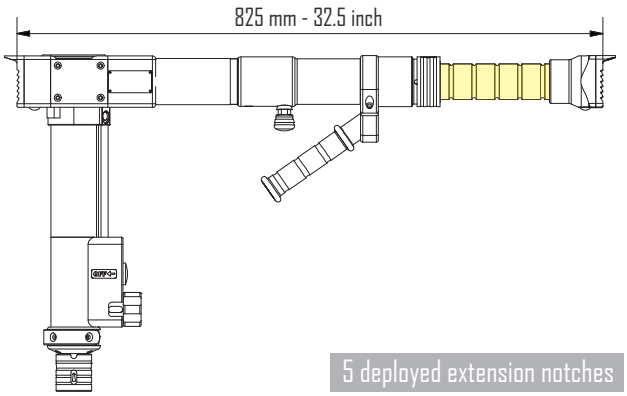
2 deployed extension notches



3 deployed extension notches



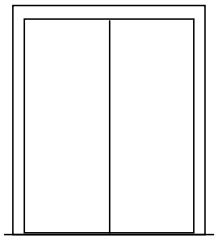
4 deployed extension notches



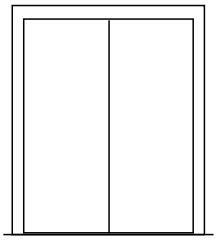
5 deployed extension notches

R36 & HR40 extensions' positioning

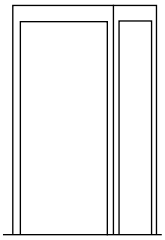
The use of the R36 extension is reserved to a 2 or 3-panel double door. The installation of the R36 extension must ONLY be MOUNTED AT THE HORIZONTAL JACK EXTENSION SIDE.



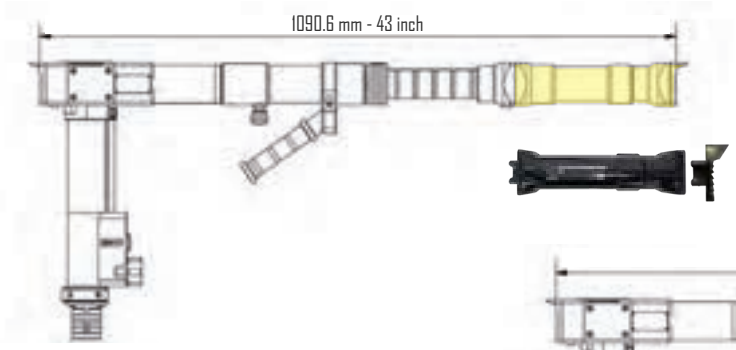
Double door with fixed leaf interior opening

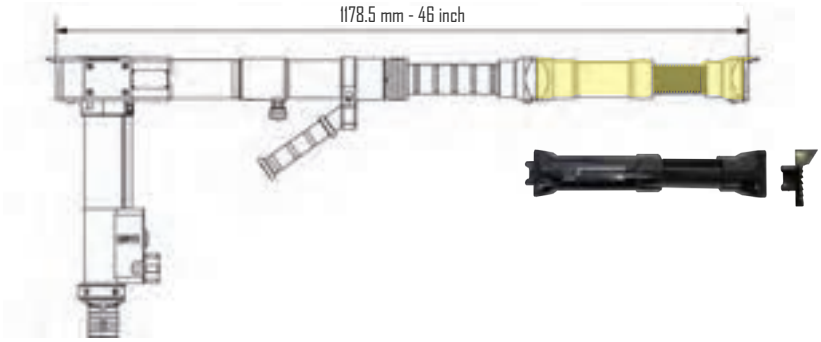


Double door interior opening

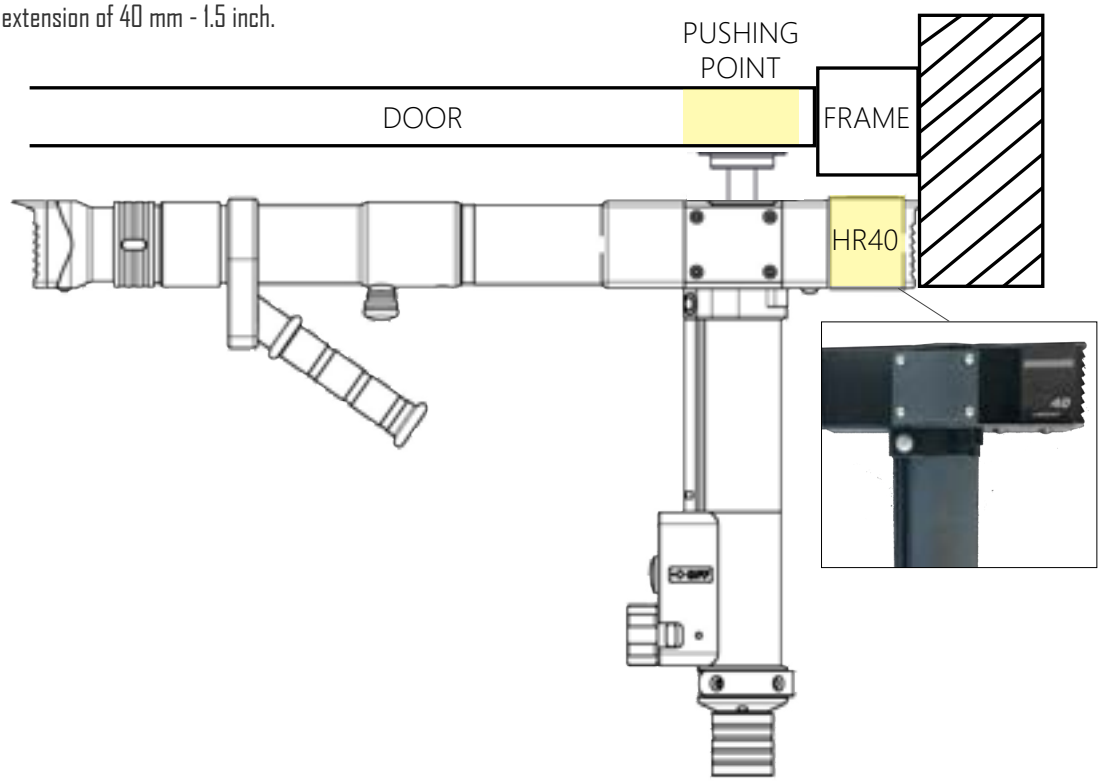


Door with fixed leaf interior opening





The HR40 extension can be used to shift the push point on the door. The HR40 extension is placed on the side of the PUSHING JACK of the HR7 and allows an extension of 40 mm - 1.5 inch.



HR7 accessories - H/HR7 - transport harness

HR7's transport harness	ref. H/HR7
removable	yes
attachments	on HR7 with velcro straps
straps attachements	yes, qty 2, standard emergency release buckles
hooks	yes, qty 2
rubber handle	yes
dimensions	260 x 210 x 80 mm - 10 x 8 x 3 inch
weight	90 g - 3 oz

This harness is to set on the HR7's body to help the operator to hold the door opener during long distances.
It can be attached on the shoulder straps' hydraulic power unit during transport.

HR7 accessories - BF - protection caps

on option, a protection hydraulic coupling cap, ref. BF

protection cap	ref. BF
colour	black
dimensions	Ø 59 mm x 36 mm - Ø 2.5 inch x 1.5 inch
weight	70 g - 2.5 oz

The protection cap BF (female) protects your HR7 hydraulic door opener coupling from shocks and dust. When buying the HR7 the protection cap is on option.

HR7 accessories - PX/HR7 extensions

kit HR7 extensions	ref. **PX/HR7**
delivered in transport case	yes, ref VDT/PXHR7, case PELICASE
extensions included	ref. HR40 (x2), HR150, HR200
silica gel cartridge	qty 1, used to prevent humidity
case dimension	407 x 330 x 175 mm - 16 x 13 x 7 inch
weight empty	3 kg - 6.6 lbs
weight loaded	6.7 kg - 15 lbs

extensions	yes, qty x2, ref. **HR40**
extension length	40 mm - 1.5 inch
dimensions	75 x 70 x 60 mm - 3 x 2.5 x 2 inch
poids	540 gr - 19 oz

extension	yes, qty 1, ref. **HR150**
material	black anodized aluminium
dimensions	180 x 72 x 74.7 mm - 7 x 3 x 3 inch
weight	1.1 kg - 2.4 lbs

extension	yes, qty 1, ref. **HR200**
material	black anodized aluminium
dimensions	230 x 72 x 74.7 mm - 9 x 3 x 3 inch
weight	1.3 kg - 2.8 lbs

The 2x HR40, HR150 and HR200 manually removable extensions are delivered in a PELICASE filled with high density foam into which an imprint of the extensions. is made. It provides a perfect fit for the transport or storage. The HR7 and its extension will work on almost all doors. The extensions are on option when buying the HR7 door-opener.

HR7 accessories - CLS/HR7 - backpack rack

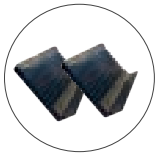
HR7 soft backpack rack	ref. CLS/HR7
available colours	dark grey or olive green
material harness	Cordura® soft shell (1100 Den)
removable protection sleeve	yes, protection sleeve storage zip pocket
protection level with protection sleeve	IP64
reinforced handle	yes
carrying means	back / handheld
dimensions	595 x 435 x 125 mm - 23 x 17 x 5 inch
weight empty	4.2 kg - 9 lbs
weight fully equiped	23 kg - 51 lbs

The HR7 is delivered in a PELICASE transport case but it can be replaced by a soft backpack rack on demand. The HR7 transport backpack rack is designed to allow the HR7 jack to be carried on the back or by hand. The LIBERVIT soft backpack rack is padded with a high density foam for comfort as well as adjustable shoulder straps, an abdominal belt and an adjustable chest strap for back support. On option, a removable waterproof protective sleeve will cover all the equipment in extreme conditions.

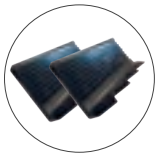
HR7 accessories - PLKIT/ HR7- HR7 plates for PVC doors

kit PVC doors anti-slip base plates	ref. **PLKIT/HR7**
delivered in PELICASE transport case	yes, ref **VDT/PLKIT**
plates included	ref. PRL125/HR7, PRL180/HR7, PRL300/HR7
silica gel cartridge	qty 1, used to prevent humidity
case dimensions	470 x 357 x 176 mm - 18.5 x 14 x 7 inch
weight empty	3.2 kg - 6.5 lbs
weight loaded	13.4 kg - 28 lbs

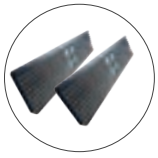
delivered with a pair of anti-slip with return plates	yes, ref. **PRL125/HR7**
dimensions	90 x 125 x 60 mm - 3.5 x 5 x 2.5 inch
plate weight	1.1 Kg - 2.6 lbs
quantity	2 plates



delivered with a pair of anti-slip with hook plates	yes, ref. **PRL180/HR7**
dimensions	90 x 180 x 70 mm - 3 x 7 x 2 inch
plate weight	1.6 kg - 3.5 lbs
quantity	2 plates



delivered with a pair of flat & large anti-slip plates	yes, ref. **PRL300/HR7**
dimensions	70 x 300 x 40 mm - 2 x 12 x 2 inch
plate weight	2.05 kg - 4.5 lbs
quantity	2 plates



The special PVC doors plates are manually removable and are packed in a PELICASE. The PRL125/HR7 anti-slip with hook plate is placed between the door and the door frame to guarantee an extra grip for the jack while pushing. The PRL180/HR7 and the PRL300/HR7 have the same function with different dimensions. The PRL300/HR7 is mainly used with doors framed by decoration mouldings. The PLKIT/HR7 is on option when buying a HR7 hydraulic door-opener.

LIBERVIT
OFF

VE70-L- high performance hydraulic door opener

the VE70-L hydraulic door opener opens heavy-armoured, inward-opening, multi-locks, wooden, PVC, metal doors or outward-opening metal doors when equipped with the optionT.

VE70-L

The VE70-L hydraulic door opener opens heavy-armoured, inward-opening, multi-locks, wooden, PVC, metal doors or outward-opening metal doors when equipped with the optionT. Silent, quick and easy to use, a heavy-armoured door can be opened in less than 20 seconds.
For power supply, the VE70-L jack requires either one of the LIBERVIT hydraulic power units or a LIBERVIT manual pump.
On the VE70-L hydraulic jack, the upper bearing plate is fitted with a manually removable plate.
The doors' opening 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 the noise risk during transportation and whilst operating.

VE70-L high performance jack

TECHNICAL CHARACTERISTICS	
high performance hydraulic jack	ref. VE70-L
thrust	7.1 tons
hydraulic jack stroke	522 mm - 20.5 inch
hydraulic jack retracted	1130 mm - 44.5 inch
hydraulic jack deployed	1652 mm - 65 inch
upper support length	880 mm - 35 inch
deployed upper support length	1010 mm - 40 inch
upper support extension	130 mm - 5 inch
transport handle	yes
upper support plate	yes (removable)
door & ground base plate's crampons	yes (removable)
door base plate's SIG anti-noise sole	yes (removable)
available colours	dark grey, black or olive green
VE70-L dimensions	1130 x 300 x 135 mm - 45 x 12 x 5 inch
VE70-L weight	16 kg -35 lbs

VE70-L high performance jack

door base plate with crampons and SIG anti-noise sole

removable upper support plate

carbon upper support

transport handles

extension up to 130 mm - 5 inch

locking button

hydraulic jack

service handle

hose coupling

ground base plate with crampons

Sharpen your crampons with our sharpening machine to guarantee optimum grip on the ground, see our catalogue ref. TOURET/VE70.

set of 4 crampons and circlips, ref. VE70-L/C.

jack's service handle instructions symbols

VE70-L/KIT high performance door opener and accessories

TECHNICAL CHARACTERISTICS		
VE70-L hydraulic jack set	ref. VE70-L/KIT	
high performance hydraulic door-opener	ref. **VE70-L**	
thrust	71 kN	
hydraulic jack stroke	522 mm - 20.5 inch	
hydraulic jack retracted	1130 mm - 44.5 inch	
hydraulic jack deployed	1652 mm - 65 inch	
upper support length	880 mm - 35 inch	
deployed upper support length	1010 mm - 40 inch	
upper support extension	130 mm - 5 inch	
transport handle	yes	
upper support plate	yes (removable)	
door & ground base plate's crampons	yes (removable)	
door base plate's SIG anti-noise sole	yes (removable)	
available colours	dark grey, black or olive green	
VE70-L dimensions	1130 x 300 x 135 mm - 45 x 12 x 5 inch	
VE70-L weight	16 kg -35 lbs	
150 mm extension	ref. **R150**	
length	L 150 mm - 6 inch	
weight	1 kg - 2 lbs	
300 mm extension	ref. **R300**	
length	300 mm - 12 inch	
weight	1.8 kg - 4 lbs	
450 mm extension	ref. **R450**	
length	450 mm - 18 inch	
weight	2.5 kg - 5.5 lbs	
delivered in PELICASE© & Peli Storm© transport case	ref. **VDT2** (LIBERVIT BLACKline) or	ref. **VLD2** (LIBERVIT DEFENSE)
available colours	black (1750)	olive green (IM3300)
silica gel cartridge	qty 1, used to prevent humidity	qty 1, used to prevent humidity
case dimensions	1350 x 405 x 155 mm - 53 x 16 x 6 inch	1366 x 419 x 170 mm - 53 x 16 x 7 inch
weight empty	11 kg - 24 lbs	10.5 kg - 23 lbs
case weight loaded	32 kg - 70.5 lbs	31.8 kg - 70 lbs

in the transport case
a silica gel cartridge
(used to prevent humidity)

VE70-L/KIT high performance door-opener and accessories

VE70-L hydraulic jack door opener

extension ref. R150

extension ref. R300

extension ref. R450

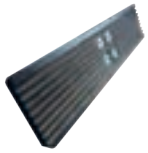
VDT2 PELICASE© transport case (LIBERVIT BLACKline)

Accessories & consumables - on option

Accessories that can provide greater efficiency in certain operations & consumables, essential components for the maintenance and optimal performance of your equipment.

VHR70 - HR7's base plate adaptator for VE70-L ref. VHR70

dimensions	83.5 x 74.7 x 72 mm - 3.2 x 2.9 x 2.8 inch
weight	422 g 10- lbs
material	black powder coated aluminium alloy
adaptable on VE70-L jack	from june 2010
delivered in solid transport case	yes



PRL300 - extra-large anti-slip base plate ref. PRL300

dimensions	70 x 300 x 40 mm - 2 x 12 x 2 inch
weight	2.05 kg - 4.5 lbs
adaptable on VE70-L jack & HR7	yes, on VE70-L from june 2010

Plates for wood floors, PVC or wood doors :

SGS1 small base plate ref. SGS1

anti-slip tips	qty 6
dimensions	300 x 300 x 8 mm - 12 x 12 x 0.5 inch
weight	6.4 kg - 14 lbs

SGS2 large base plate ref. SGS2

anti-slip tips	qty 6
dimensions	450 x 450 x 8 mm – 18 x 18 x 0.5 inch
weight	13.5 kg – 30 lbs

OMEGA anti-slip hooked bearing plate ref. OMEGA

dimensions	70 x 75 x 64 mm - 2.7 x 3 x 2.5 inch
weight	765 g - 1.6 lbs
adaptable to VE70-L jack	starting from july 2010

ASC/594 short upper arm ref. ASC/594

retracted ASC/594 upper support total length	749 mm - 30 inch
deployed ASC/594 upper support total length	878 mm - 34.5 inch
retracted VE70-L upper support total length	875 mm - 34.5 inch
deployed VE70-L upper support total length	1004 mm - 39.5 inch
ASC/594 & VE70-L upper support length difference	126 mm - 5 inch plus court
material	carbone fiber
total length	749 x 131 x 55 mm - 29.5 x 5 x 2 inch
weight	3.2 kg - 7 lbs
VE70-L jack adaptable	from July 2010

KIT/ASO accessories in PELICASE© ref. KIT/ASO

includes short upper arm ref. ASC/594

clevis axis	ref. VE70-L/EU-019
bearing plate	ref. SGS1
non-slip upper base plate	ref. OMEGA
PELICASE transport case	ref. VDT/ASO
case dimensions	960 x 430 x 160 mm – 4 x 1.5 x 6 inch
weight empty	7.9 kg – 4 lbs

Fluid management system for LIBERVIT hydraulic power units	ref. SGDF1
function	fluid management system : DRAINING & FILLING
dedicated	only for LIBERVIT hydroelectric power units
filling of the tank	HAFA CIRCOL 22 mineral oil (tank empty when delivered)
dimensions	220 x 400 x 310 mm - 9 x 15.5 x 12 inch
weight filled with 2L of oil	5.2 kg - 11.5 lbs

optionT bearing point for outward opening metal doors	ref. optionT
impact point	yes
dimensions	284 x 120 mm - 11 x 5 inch
weight	3.2 kg - 7 lbs
adaptable to VE70-L jack	starting from july 2010
delivered in solid transport case	yes

THORN perforing spur	ref. THORN
dimensions	149 x 120 x 103 mm - 6 x 5 x 4 inch
weight	1.8 kg - 4 lbs
adaptable to VE70-L jack	starting from june 2010
delivered in solid transport case	yes

SIG anti-noise sole	ref. SIG
dimensions	148 x 118 x 10 mm - 5 x 4 x 0.3 inch
weight	250 g - 9 oz
colours availbale	dark grey or olive green
delivered	pack of 5, ref. SIG/5

VE70-L/C anti-slip crampons	ref. VE70-L/C
tip dimensions	Ø 148 x 22 mm - Ø 6 x 0.5 inch
tip weight	9 g - 0.3 oz
number of TSPI tips per pack	qty 4

Sharpening station	ref. TOURET/VE70/EU-015
turnable supply voltage	220 Volts
grinding wheel dimensions	Ø 150 x 20 x 32 mm - Ø 6 x 0.8 x 1.5 inch
station dimensions	350 x 280 x 230 mm - 14 x 11 x 9 inch
weight	10.95 kg - 24 lbs

Transport bag	ref. ST/VE70-L
dimensions	1150 x 350 x 150 mm - 45 x 14 x 6 inch
weight bag empty	1.5 kg - 3 lbs

Jack's hydraulic coupling protection cap	
protection cap	ref. BF
colour	black or dark gray or olive green
material	textured soft PVC with metal core
protection on coupling	female coupling (LIBERVIT hydraulic tools)
dimensions	40 mm x Ø60 mm - 1.5 inch x Ø2.5 inch
weight	60 g - 0.13 lbs

PELICASE© transport case	ref. VDT2 (LIBERVIT BLACKline)
LIBERVIT BLACKline colour	black
silica gel cartridge	qty 1, used to prevent humidity
dimensions	1346 x 406 x 1555 mm - 53 x 16 x 6 inch
weight empty	11 kg - 25.5 lbs

PELIstorm© transport case	ref. VLD2 (LIBERVIT DEFENSE)
LIBERVIT Defense colour	olive green
silica gel cartridge	qty 1, used to prevent humidity
dimensions	1366 x 419 x 170 mm - 54 x 16.5 x 6.5 inch
weight empty	10.5 kg - 23 lbs

EX100- anti-panic doors hydraulic door-opener

used to open single or multi-points anti-panic doors.

EX100

Designed to open single or multi-points anti-panic doors the EX100 is placed at the horizontal on an anti-panic door.
Once in place, activate the tool by turning the service handle or with a remote control until the jack retracts and squashes the door.
Three extensions will allow you to place it on different anti-panic doors' dimensions.
The V90 pry bar is used to ease the EX100 plates positioning.

EX100- anti-panic doors hydraulic door-opener

TECHNICAL CHARACTERISTICS			
anti-panic doors' hydraulic door opener	ref. **EX100**		
tractive effort	100 kN		
jack's stroke	251.5 mm - 10 inch		
retracted jack length	773.5 mm -30.5 inch		
deployed jack length	1025 mm - 40 inch		
short angle plate	qty 1, removable		
long angle plate	qty 1, removable		
service handle	yes		
handle	yes		
locking axis	qty 5, removable		
available colours	dark grey or olive green		
dimensions without extensions	760 x 250 x 250 mm - 30 x 10 x 10 inch		
weight without extensions	14.2 kg - 31.5 lbs		
delivered with a set of 3 extensions	yes, ref. **R155**, ref. **R246**, ref. **R335**		
R155 extension	155 mm extension		
R155 dimensions	Ø70 mm x 185 mm - Ø3 inch x 7.5 inch		
R155 weight	0.84 kg - 1.85 lbs		
R246 extension	246 mm extension		
R246 dimensions	Ø70 mm x 276 mm - Ø3 inch x 11 inch		
R246 weight	1.1 kg - 3 lbs		
R335 extension	335 mm extension		
R335 dimensions	Ø70 mm x 365 mm - Ø3 inch x 14.5 inch		
R335 weight	1.4 kg - 3 lbs		
delivered with pry bar	ref. **V90**		
lever heads	90° notched plate and crowbar		
material	high resistance treated steel		
handle diameter	Ø 20 mm - Ø 0.7 inch		
handle protection	PVC protection		
available colours	dark grey or olive green		
length	711 mm - 28 inch		
weight	2.5 kg - 5.4 lbs		
delivered with PELICASE© transport case	ref. **VDT/EX100**	or	ref. **VLD/EX100** (LIBERVIT DEFENSE)
colour	black (1700)		olive green (IM3100)
silica gel cartridge	qty 1, used to prevent humidity		qty 1, used to prevent humidity
dimensions	969 x 406 x 155 mm - 38 x 16 x 6 inch		1011 x 419 x 170 mm - 40 x 16 x 7 inch
weight empty	10 kg - 22 lbs		9 kg - 20 lbs
weight loaded	30 kg - 66 lbs		29 kg - 64 lbs

ACCESSORIES - ON OPTION

hydraulic coupling protection cap	ref. BF
colour	black or dark grey or olive green
material	soft granite UPVC with metal core
protection on fittings	female hydraulic coupling (LIBERVIT hydraulic tools)
dimensions	Ø 59 mm x 36 mm - Ø 2.5 inch x 1.5 inch
weight	70 g - 2.5 oz

The short angle must always be placed by the anti-panic door lock.

V90 pry bar

extensions :
155 mm extension, ref. R155
246 mm extension, ref. R246
335 mm extension, ref. R335

locking axis

If positioning the EX100 gets difficult use the V90 pry bar to create a gap.

PELICASE® transport case

B.A.S.
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LASER RANGEFINDER & TAPE MEASURE

The laser rangefinder and the tape measure are useful to measure distances before positioning the DOOR RAIDER or the HR7.

LASER METER 30 - L3M

The LASER METER 30 laser rangefinder is useful to calculate the right distance between the ground and the door upper frame or to measure the door's length before setting the VE70L or the HR7 door-openers.

The L3M self-locking magnetic tape measure is useful to calculate the right distance between the ground and the door upper frame or to measure the door's length before setting the VE70L or the HR7 door-openers.

TECHNICAL CHARACTERISTICS	
laser rangefinder	ref. LASER METER 30
batteries	2 AAA batteries included
measure accuracy	Typ. +/-1/16-in (1.5 mm- 0.06 inch)
range	up to 30 m - 100 ft.
protection sleeve	yes
weight	100 g - 0.22 lbs
dimensions	40 x 100 x 25 mm - 1.5 x 4 x 1 inch

TECHNICAL CHARACTERISTICS	
tape measure	ref. L3M
tape length	3 m - 10 ft
tape width	16 mm - 0.5 inch
magnetic	yes
self-locking	yes
weight	11 g - 0.5 oz
dimensions	70 x 60 x 30 mm - 3 x 2.5 x 1 inch

ENTRY HYDRAULIC UNITS

our hydraulic power units and manual pumps can power supply our hydraulic door openers. Discover our entry hydraulic units on the following pages.

OP55 serie breaching hydraulic units

OP71 serie breaching hydraulic units

HR7 breaching hydraulic units

VE70L breaching hydraulic units

EX100 breaching hydraulic units

OP55 lightweight hydraulic door opener's units

the OP55 hydraulic door-opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

H/BSL/SNIP

H/OP55/SNIP

SNIPER I light

The SNIPER I light unit includes:
- a B.A.S. optima hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP55 door-opener with its ST/OP55 transport bag
- removable carrying harness set H/BSL/SNIP and H/OP55/SNIP for OP55 on B.A.S. optima

H/BSL/SNIP

H/OP55/SNIP

SNIPER I

The SNIPER I unit includes:
- a B.A.S. superlight hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP55 door-opener with its ST/OP55 transport bag
- removable carrying harness set H/BSL/SNIP and H/OP55/SNIP for OP55 on B.A.S. superlight

OPM55

The OPM55 includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a NPB pry bar
- a OP55 door-opener (without its transport bag)
- a soft back-rack EBP/OPM55 to transport the kit

OP71 lightweight hydraulic door opener's units

the OP71 hydraulic door-opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

H/BSL/SNIP

H/OP71/SNIP

SNIPER II light

The SNIPER II light unit includes:
- a B.A.S. optima hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP71 door-opener with its ST/OP71 transport bag
- removable carrying harness set H/BSL/SNIP and H/OP71/SNIP for OP71 on B.A.S. optima

H/BSL/SNIP

H/OP71/SNIP

SNIPER II

The SNIPER II unit includes:
- a B.A.S. superlight hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP71 door-opener with its ST/OP71 transport bag
- removable carrying harness set H/BSL/SNIP and H/OP71/SNIP for OP71 on B.A.S. superlight

OPM71

The OPM71 includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a NPB pry bar
- a OP71 door-opener (without its transport bag)
- a soft back-rack EBP/OPM71 to transport the kit

OP71P lightweight hydraulic door opener's units

the OP71P hydraulic door-opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

H/BSL/SNIP

H/OP71/SNIP

SNIPER III light

The SNIPER III light unit includes:
- a B.A.S. optima hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP71P door-opener with its ST/OP71P transport bag
- removable carrying harness set H/BSL/SNIP and H/OP71/SNIP for OP71P on B.A.S. optima

H/BSL/SNIP

H/OP71/SNIP

SNIPER III

The SNIPER II unit includes:
- a B.A.S. superlight hydraulic power unit (integrated 1.5 m hydraulic hose)
- a OP71P door-opener with its ST/OP71P transport bag
- removable carrying harness set H/BSL/SNIP and H/OP71/SNIP for OP71P on B.A.S. superlight

OPM71P

The OPM71P includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a NPB pry bar
- a OP71P door-opener (without its transport bag)
- a soft back-rack EBP/OPM71P to transport the kit

HR7 hydraulic door opener units' selection

the HR7 hydraulic door-opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

BHR7

The BHR7 unit includes:
- a B.A.S. superlight hydraulic power unit (integrated 1.5 m - 5 ft hydraulic hose)
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a PELICASE® transport case to carry the B.A.S. superlight and the LF2
- a complete HR7 door-opener in PELICASE®
- a H/HR7 transport harness removable for the door opener HR7

MHR7

the MHR7 hydraulic unit includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a PELICASE® transport case to carry the PML10 and the LF2
- a complete HR7 door-opener in PELICASE®

VE70-L hydraulic door opener units' selection

The VE70-L high performance hydraulic door opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

DOOR RAIDER light B

the DOOR RAIDER light B unit includes:
- a B.A.S. superlight hydraulic power unit in PELICASE© (integrated 1.5 m - 5 ft hydraulic hose)
- a VE70-L hydraulic jack & 3 extensions in PELICASE©

DOOR RAIDER light M

the DOOR RAIDER light M unit includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support with ventral transport
- a PELICASE© transport case to carry the PML10 and the LF2
- a VE70-L hydraulic jack & 3 extensions in PELICASE©

EX100 hydraulic door opener units' selection

the EX100 anti-panic door opener can be power supplied by all LIBERVIT hydraulic power units and manual pumps.

BEX100

The BEX100 unit includes:
- a B.A.S. superlight hydraulic power unit (integrated 1.5 m hydraulic hose)
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a PELICASE© transport case to carry the B.A.S. superlight and the LF2
- an EX100 hydraulic door opener, its pry bar in PELICASE©

MEX100

The MEX100 unit includes:
- a PML10 hydraulic manual pump
- a LF2 hydraulic hose (2 m) & a removable SLF hydraulic hose support for ventral transport
- a PELICASE© transport case to carry the PML10 and the LF2
- an EX100 hydraulic door opener, its pry bar in PELICASE©

Hydraulic power units & manual pumps

all our tools can be power supplied by our hydraulic power units and manual pumps.

B.A.S. superlight: backpack carryable and connected hydraulic power unit

B.A.S. optima : backpack carryable and connected light hydraulic power unit

PML10 & PML30: hydraulic manual pumps

B.A.S. superlight & B.A.S. optima hydraulic power units

power supply the LIBERVIT hydraulic tools from the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.

B.A.S. superlight & B.A.S. optima

Compact, light and silent the B.A.S. superlight as well as the B.A.S. optima hydraulic power units can supply LIBERVIT BLACKline and LIBERVIT DEFENSE hydraulic tools. As for the B.A.S. optima hydraulic power unit, it supplies lightweight door openers, the FAST35 hydraulic spreader and the nano cutter NC28 & the jack VT380.
Backpack carryable, with a shoulder strap or by hand you will be able to evolve in areas difficult to access while keeping your hands available.
The hydraulic power units have an integrated 1.5 m hydraulic hose and a 48V lithium battery offering 2 hours of action tool.
Only, the B.A.S. superlight hydraulic power unit is supplied as standard with a manual radio remote control or wired convertible.
The LIBERVIT Connected app will allow you to diagnose your hydraulic power unit (available on Google Play & Huawei).
Features and accessories to discover on the following pages.

Hydraulic tools and hoses to use :

B.A.S. superlight

all the hydraulic hoses

all the spreaders

all the cutters

all the telescopic jacks

EX100 door opener

all the OP series
door openers

all the OP71 series
door openers

VE70-L
high performance
door opener

mid range HR7
door opener

B.A.S. optima

all the hydraulic hoses

FAST35 spreader

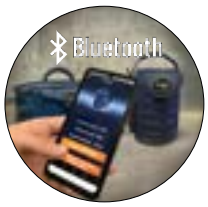
NC28 cutter

VT380.10/5 jack

EX100 door opener

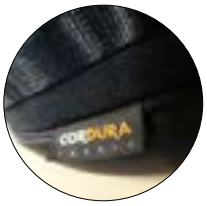
all the OP series
door openers

all the OP71 series
door openers



The LIBERVIT connected application available on the Google Play & AppGallery will enable you to diagnose your hydraulic power unit and will also indicate: the battery charge status, the number of charges /discharges already done, the oil level, the engine running status, the hand radio remote functioning (for the B.A.S. superlight or B.A.S. optima) as well as the battery charger, the tool's effort produced and many more useful information.
Languages available : French, English, Spanish, Chinese, German, and Thaï.

With the T360 technology developed by LIBERVIT, the hydraulic power units can be used and stored in all positions, while retaining all of its performance.



Removable and washable the hydraulic power unit' outer shell is made of multi-layered padded Cordura (1100 Den) and is IP64.
It is also fitted with water-repellent YKK® zippers as well as an anti-noise partitions.

Foldable a lifting ring at the back of the unit offers a 100% reliable anchor point to lift, air lift and hang.

A 1.5 meters hydraulic hose is permanently stored in a dedicated compartment, just open it to extract the hose. The compartment has 2 openings giving you the choice to extract it from left or right.

Shoulder strap's emergency release buckles system has been integrated to discard the power unit when carried on the back.

48 dB : test performed at a distance of 5 m.

A dashboard protected by a removable flap provides access to the start-up switch as well as to the battery charge status indicator, the pairing mode for radio system, the Bluetooth search and the faulty oil level status.

To protect the battery and increase its autonomy we have fitted the B.A.S superlight and the B.A.S. optima hydraulic power unit with an auto-shutdown technology. The auto-shutdown kicks in after 4 hours of non-use.
The auto-shutdown can be disabled through the LIBERVIT app and it can be set to a 1 to 8 hours period.

B.A.S. superlight - hydraulic power unit

TECHNICAL CHARACTERISTICS	
hydraulic power unit	ref. B.A.S. superlight
service pressure	300 bar
oil tank capacity	1.24 L - 42 fl oz
use, transport, storage	multi-position technology T360°
outer-shell	Cordura® soft shell (1100 Den), IP index : IP64
Molle system®	yes
closing	YKK® water-repellent zippers
reinforced bottom bag	yes, semi-rigid / high abrasion resistance
available colours	dark grey or olive green or camouflage
carrying means	back / handheld /shoulder strap
shoulder and ventral straps	yes, ref. EPGD, with emergency release buckles
transport strap	yes, ref. BSL/B, removable
reinforced handle	yes, ref. BSL/P, removable
pockets	qty 1, removable, ref. PA1/BSL
lifting ring	yes, to lift, air-lift and hang it...
integrated hose	1.50 m - 5 ft
hydraulic hose casing	yes
clip-on support for hydraulic hose	ref. CLIP/F, removable
decibels	48 dB*
power supply	48 Volts LIBERVIT rechargeable Lithium battery, ref. BI-ION48
battery autonomy	2 hours of tool action**
battery removal	manually
battery maximum charging time	35 min (100% charge)
battery charge indicator	yes, on the battery and on the power unit dashboard
auto-shutdown	yes, after 4 hours of non-activity (adjustable auto-shutdown that can be disabled)
LIBERVIT automatic battery charger	qty 1, ref. CB-ION48 (110V) or CB-ION48 (220V)
convertible hand remote control	qty 1, ref. cMrf, with Molle® system sleeve
power supply cord	length 3 m - 10 ft
hand radio remote range	30 m - 99 ft
complete diagnosis	LIBERVIT Connected free App on Google Play and Huawei store (Bluetooth disabled)
dimensions	395 x 290 x 250 mm -15.5 x 11.5 x 10 inch
weight	11 kg - 24 lbs***

* test done at a 5 m distance

** test done at a 150 bar average pressure

*** ready to use without portage means

ACCESSORIES - ON OPTION	
interactive radio remote wristband	on option, ref. BRI
cross body shoulder strap	on option, ref. BAS/EPM
peripherals transport bag	on option, ref. STP/BSL
extreme conditions sleeve	on option, ref. HCE/BSL
spare removable pocket	on option, right side (R) : ref. PA2/BSL
spare lithium battery	on option, ref. BI-ION48
magnetic kit	on option, ref. KM/BSL
hook kit	on option, ref. KC/BSL
carrying harness for lightweight door opener	on option, ref. H/BSL/SNIP

On option, the B.A.S. superlight hydraulic power unit, its charger and radio remote control can be packed in a solid case.

PELICASE© & Peli Storm® transport case	ref. VDT/BSL(LIBERVIT BLACKline)	or	ref. VLD/BSL(LIBERVIT DEFENSE)
available colours	black (1610)		olive green (IM2720)
telescopic handle	yes		yes
wheels	yes		yes
dimensions	630 x 510 x 300 mm - 25 x 20 x 12 inch		625 x 500 x 297 mm - 24.5 x 19.5 x 11.5 inch
weight empty	9.9 kg - 22 lbs		8.6 kg - 19 lbs
case loaded	23.5 kg - 52 lbs		22 kg - 48.5 lbs

B.A.S. optima - hydraulic power unit

TECHNICAL CHARACTERISTICS	
hydraulic power unit	ref. B.A.S. optima
service pressure	300 bar
oil tank capacity	0.57 L - 20 fl oz
use, transport, storage	multi-position technology T360°
outer-shell	Cordura® soft shell (1100 Den), IP index : IP64
Molle system®	yes
closing	YKK® water-repellent zippers
reinforced bottom bag	yes, semi-rigid / high abrasion resistance
available colours	dark grey or olive green or camouflage
carrying means	back / handheld /shoulder strap
shoulder and ventral straps	yes, ref. EPGD, with emergency release buckles
transport strap	yes, ref. BSL/B, removable
reinforced handle	yes, ref. BSL/P, removable
lifting ring	yes, to lift, air-lift and hang it...
integrated hose	1.50 m - 5 ft
hydraulic hose casing	yes
clip-on support for hydraulic hose	ref. CLIP/F, removable
decibels	48 dB*
power supply	48 Volts LIBERVIT rechargeable Lithium battery, ref. BI-ION48-OP
battery autonomy	2 hours of tool action**
battery removal	manually
battery maximum charging time	35 min (100% charge)
battery charge indicator	yes, on the power unit dashboard
auto-shutdown	yes, after 4 hours of non-activity (adjustable auto-shutdown that can be disabled)
LIBERVIT automatic battery charger	qty 1, ref. CB-ION48 (110V) or CB-ION48 (220V)
complete diagnosis	LIBERVIT Connected free App on Google Play and Huawei store (Bluetooth disabled)
dimensions	325 x 280 x 230 mm -13 x 11 x 9 inch
weight	9.4 kg - 21 lbs***

* test done at a 5 m distance

** test done at a 150 bar average pressure

*** ready to use without portage means

ACCESSORIES - ON OPTION	
interactive radio remote wristband	on option, ref. BRI
cross body shoulder strap	on option, ref. BAS/EPM
peripherals transport bag	on option, ref. STP/BSL
extreme conditions sleeve	on option, ref. HCE/BOP
spare removable pocket	on option, left side (L) : ref. PA1/BSL or right side (R) : ref. PA2/BSL
spare lithium battery	on option, ref. BI-ION48-OP
magnetic kit	on option, ref. KM/BSL
hook kit	on option, ref. KC/BSL
carrying harness for lightweight door opener	on option, ref. H/BSL/SNIP

On option, the B.A.S. optima hydraulic power unit can be packed in a PELICASE® transport case.

PELICASE© & Peli Storm® transport case	ref. VDT/BOPTIMA(LIBERVIT BLACKline)	or	ref. VLD/BOPTIMA(LIBERVIT DEFENSE)
available colours	black (1610)		olive green (IM2720)
telescopic handle	yes		yes
wheels	yes		yes
dimensions	630 x 510 x 300 mm - 25 x 20 x 12 inch		625 x 500 x 297 mm -24.5 x 19.5 x 11.5 inch
weight empty	9.9 kg - 22 lbs		8.6 kg - 19 lbs
case loaded	21.4 kg - 47 lbs		20 kg - 44 lbs

BI-ION48 & BI-ION48-OP battery's ballistic tests report for operators' safety

As we aim to provide quality and safety for our users, we've conducted some ballistic impacts tests on our LIBERVIT B.A.S. superlight & B.A.S. optima powered by a Lithium battery ref: BI-ION48 and ref. BI-ION48-OP. This exhaustive report will give you information on the pros & cons of our batteries.
We will keep working hard to improve our equipment and maintain the quality you already know as well as increasing as much as possible our users' safety.

Ballistic impacts tests executed with the arms and calibers listed below:

HKG36
Fusil automatique

223 Remington
Cal. 5.56 OTAN

HK417
Fusil automatique

308 Winchester
Cal. 7.62 OTAN

OBJECTIVE :

Point out potentially dangerous risks, momentary and/or persistent: (explosion/projection/flammable).

TESTS :

1- Automatic rifle HK417: cal 7.62 OTAN, 308 Winchester, 50 m/164 ft shot :
Instant reaction: white smoke, sparks.
Delayed reaction: after +/- 15 mn, no flame, no flow.
Battery visual aspect: perforated from side to side.

50 m / 164 ft

2- Automatic rifle M4: cal 5.56 OTAN, 223 Remington, 50 m/164 ft shot :
Instant reaction: white smoke, no sparks.
Delayed reaction: after +/- 15 mn, no flame, no flow.
Battery visual aspect: perforated from side to side.

50 m / 164 ft

3- automatic rifle HKG36: cal 5.56 OTAN, 223 Remington and HK417: cal 7.62 OTAN, 308 Winchester 5 m/16.5 ft shot:
Instant reaction: white smoke, no sparks.
Delayed reaction: after +/- 15mn, : no flame, no flow
Battery visual aspect: perforated from side to side

5 m / 16 ft

CONCLUSION :

The different ballistic tests executed gave us the opportunity to find out the damages and their consequences done to a LIBERVIT BI-ION48 and BI-ION48-OP battery when shot at. All the batteries have been perforated from side to side generating white smoke but no flame and no flow and no explosion has been witnessed.

THE USE OF LIBERVIT HYDRAULIC POWER UNITS
IS EXPLOSION AND BURST RISK FREE
UNLIKE EQUIPMENTS USING AIR COMPRESSED BOTTLES.

LIBERVIT Connected

complete B.A.S. superlight and B.A.S. optima hydraulic power unit diagnosis via the LIBERVIT connected app.

LIBERVIT Connected

Bluetooth

DISPONIBLE SUR Google Play

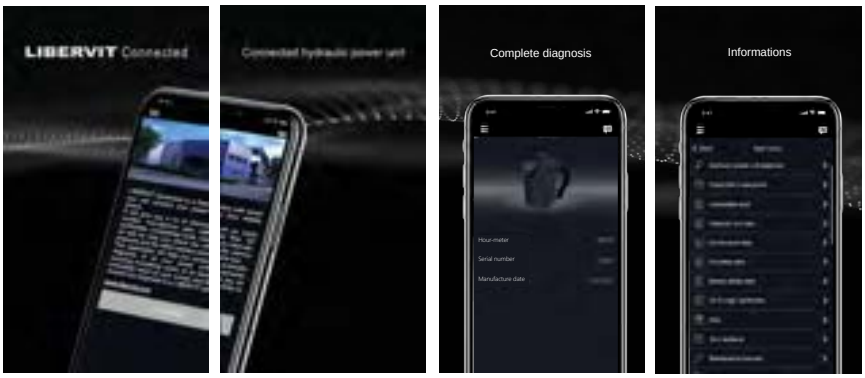
DÉCOUVREZ SUR AppGallery

To ease as much as possible our units' preventive maintenance, the hydraulic power unit is delivered in series with a receiving and transmitting data system that all users can access on their smart phone to perform a complete diagnosis of their equipment. The Application LIBERVIT connected can be downloaded from the Google or Huawei store.

The diagnostic indicates:
The battery charge status
The hydraulic oil level
The engine condition
The hydraulic pressure
The radio remotes condition (with the B.A.S. superlight)
The battery charger condition
The tool's effort (in use with the unit)
And much more

You will be able to send an email directly from your phone to our technical department with the diagnosis. Our technicians will be able to read the data and act accordingly if a maintenance or repair is needed and help you.

> AFTER SALES SERVICE : aftersales@libervit.com



LIBERVIT
B.A.S.
optima
power unit

LIBERVIT
B.A.S.
power unit

Hydraulic power unit's accessories

on option are available some accessories for the B.A.S. superlight & the B.A.S. optima hydraulic power units.

FLUID MANAGEMENT SYSTEM FOR LIBERVIT HYDRAULIC POWER UNITS (DRAINING & FILLING)
ref. SGDFI
System specially made to drain or fill with oil the LIBERVIT hydraulic power units's oil tank.

ADAPTER CORD
ref. CA-BI-ION48
Allows you to charge your extra battery BI-ION48 or hand radio remote control WITHOUT your hydraulic power unit LIBERVIT (B.A.S., B.A.S. superlight or B.A.S. optima)

INTERACTIVE RADIO REMOTE WRISTBAND
ref. BRI
The interactive radio remote wristband activates the LIBERVIT hydraulic power unit from a distance, the tool's effort in action in real time is also visible on the screen.
Its waterproof (IP64) touch screen indicates the radio signal, the battery level (10h autonomy in use), the date and time. The wristband also benefits from a red LED (added light – ON or OFF) and a USB-C port to charge it. You can check whether the auto-shutdown is activated or not. Activate or disable the auto-shutdown from the LIBERVIT Connected App.

CROSS BODY SHOULDER STRAP
ref. BAS/EPM
The cross body shoulder strap fits on the hydraulic power unit in place of the shoulder straps with safety buckle for quick ejection and a securing harness for light door openers (available colours : dark grey or olive green or camouflage).

LEFT OR RIGHT SIDE REMOVABLE POCKETS
ref: PA1/BSL (left side) or PA2/BSL (right side)
Left or Right spare side removable pockets to fit on the hydraulic power unit body (available colours : dark grey or olive green or camouflage).

PERIPHERALS TRANSPORT BAG
ref: STP/BSL
The hydraulic power unit peripherals can be protected and stored in a transport bag: handle, shoulder straps, strap, battery charger, hand radio remote control and an extra battery (available colours : dark grey or olive green or camouflage).

MAGNETIC KIT
ref: KM/BSL
With the magnetic kit you can free yourself from the hydraulic power unit weight and place it against any metallic surface.

HOOK KIT
ref: KC/BSL
To hang the hydraulic power unit when it cannot be left on the floor.

EXTREME CONDITION SLEEVE
ref: HCE/BSL
It will protect your hydraulic power unit from extreme weather conditions such as heavy rain, sandstorm, etc delivered in a pouch adaptable on the molle system or by carabiner.

CARRYING HARNESS FOR LIGHTWEIGHT DOOR OPENER
ref. H/BSL/SNIP or ref. H/BOP/SNIP
The carrying harness clips on the top of the hydraulic power unit and allows the transport of the different lightweight door opener from the range LIBERVIT, You will be able to evolve in hard-to-reach areas while keeping your hands available.

PELICASE® TRANSPORT CASE for the hydraulic power units B.A.S. superlight & B.A.S. optima
ref. VDT/BSL (LIBERVIT BLACKline) or ref: VLD/BSL (LIBERVIT DEFENSE)
ref. VDT/BOPTIMA (LIBERVIT BLACKline) or ref. VLD/BOPTIMA (LIBERVIT DEFENSE)
The hydraulic power unit, its battery charger and the hand radio remote control (for the B.A.S. superlight) can be packed in a waterproof case. We use the PELICASE® brand for its quality and reliability. Our cases all meet the military and air transport norms, have wheels and a foldable handle.

BRI - interactive radio remote wristband

on option, the interactive radio remote wristband activates the B.A.S. superlight or the B.A.S. optima hydraulic power unit from a distance.

BRI

The BRI interactive radio remote wristband activates the B.A.S.superlight or the B.A.S. optima hydraulic power unit from a distance (maximum range: 30 m). the tool's effort in action in real time is also visible on the screen.
Its waterproof (IP64) touch screen indicates the radio signal, the BRI battery level and the hydraulic power unit battery level (10h autonomy in use), the effort of the tool in real time in % when the "ACTION" button is activated, the date and time, but also the auto-shutdown is activated or not.
A USB-C - USB-A port allows you to recharge the lithium battery of the BRI interactive remote control. The wristband also benefits from a red LED (added light – ON or OFF).

HYDRAULIC POWER UNIT'S ACCESSORY - ON OPTION	
interactive radio remte wristband	ref. BRI
radio communication	works with a LIBERVIT hydraulic power unit connected
radio range	30 m - 99 ft
screen	LCD
2 level screen brightness	high brightness/ low brightness
screen background color	black
text display color	LIBERVIT BLACKline range : light grey
	LIBERVIT DEFENSE range : olive green
	LIBERVIT ORANGEline range : orange
4 boutons	1 green, 1 red and 2 black
button functions	· green : Power on/off
	· red : "ACTION" - activates the hydraulic power unit connected
	· black (right side) : BRI's parameters
	· black(bottom) : LED ON/OFF
indications provided on the screen	radio signal level (connexion with the hydraulic power unit)
	real-time tool effort in % when the "ACTION" button is activated
	BRI's battery level
	level of the connected hydraulic power unit battery
	hours / date
	ASD (Unit Auto-shutdown) activated / disabled
battery	LiPo 3,7 V - rechargeable lithium battery
autonomy	10h
maximal charging time	8 hours for 100% charge
battery charger	qty 1, USB-C to USB-A port to charge the BRI, 1 m - 3 ft cable, ref. KR/BRI
waterproofness	IP64
removable wristband	350 mm - 14 inch, adjustable strap with Velcro
BRI wristband	removable from the bracelet
BRI's quick coupler	yes, magnetic locking and unlocking system (red strap)
BRI's dimensions	95 x 85 x 50 mm - 4 x 3.5 x 2 inch
total weight	279 g - 10 oz

PML10 – hydraulic manual pump

the use of the hydraulic manual pump is often for special situations.

PML10

The PML10 hydraulic manual pump powers supply all of the LIBERVIT tools of the LIBERVIT BLACKline & LIBERVIT DEFENSE ranges.
The use of the hydraulic manual pump is often for special situations such as : explosive atmosphere, complete silent required, narrow space, etc.
Thanks to a watertight tank they can be used or store in any position. Its benefits from a fast approach discharge and a second discharge for the work phase.
A LIBERVIT hydraulic hose is needed to connect the hydraulic manual pump to the tools.
On option, the PML10 hydraulic manual pump can be packed in a PELICASE case, on a soft backpack rack or in a transport sleeve.

PML10 hydraulic manual pump

TECHNICAL CHARACTERISTICS

hydraulic manual pump	PML10
body material	black powder coated aluminium
colours available	dark grey or olive green
service pressure	300 bar
oil tank capacity	1.7 litres - 60 fl oz
integrated manometer	yes
manometer protection grid	included, ref. TMG65
fast discharge	yes, two stages pump
molette fonctions	PUMP ou RELEASE fonctions
oil level viewport	yes
oil filler plug	tank draining or filing
dimensions	450 x 160 x 200 mm - 18 x 6 x 8 inch
weight	9.2 kg - 20 lbs
protection cap	included

ACCESSORIES - ON OPTION

hydraulic hose	ref. LF2	ref. LF6	ref. LF10
dimensions	2 m	6 m	10 m
compatible with all LIBERVIT tools	yes		
hydraulic hose support	yes, ref. SLF, removable, standard clips attachment, 85 g		
weight	LF2 : 1.2 kg - LF6 : 2.4 kg - LF10 : 3.5 kg		

transport sleeve	ref. ST/PML10
fabric	black & grey coated nylon
shoulder strap	qty 2, L 1.25 m - 40 inch
hose's attachment	yes
dimensions	350 x 250 mm - 14 x 10 inch
weight	300 g - 10.5 oz

soft backpack rack	ref. CLS/PML10
material	Cordura® nylon fabric
available colours	dark grey or olive green or camouflage
hydraulic hose compartment	yes
removable protection sleeve	yes, zipped storage pocket
adjustable straps	padded straps, abdominal belt, chest strap
dimensions	600 x 500 mm - 23 x 20 inch
weight empty	1.84 kg - 4 lbs

PML10's PELICASE® transport case	ref. VDT/PML10 (BLACKline)
colours	black
dimensions	559 x 351 x 229 mm -22 x 14 x 9 inch
weight	6 kg - 13 lbs

PML10's Peli Storm® transport case	ref. VLD/PML10 (Defense)
colours	olive green
dimensions	551 x 358 226 mm - 21.5 x 14 x 9 lbs
weight	6 kg - 13 lbs

PML10 hydraulic manual pump can supply :

The PML10 hydraulic manual pump powers supply all the tools from the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.

manual pump PML10

spreaders

cutters

jacks

EX100 door opener

OP series
door opener

mid range HR7
door opener

VE70-L
high performance
door opener

Hydraulic hoses

the LIBERVIT hydraulic hoses power supply all the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges hydraulic tools.

LF2 - LF6 - LF10

The LIBERVIT hydraulic hoses power supply all the LIBERVIT BLACKline and LIBERVIT DEFENSE ranges hydraulic tools. These hoses benefit from the patented "Hydrolec II" technology allowing both the HYDRAULIC & the ELECTRICAL in a single connection.
A removable SLF hydraulic hose support with ventral transport is delivered as standard with a hydraulic hose.
Two hydraulic hoses can be connected together to have a longer one.
e.g: two LF2 (2 m each) will give a length of 4 m.
Each hydraulic hose is delivered filled with oil and ready to use.

connection to a B.A.S. superlight power unit

"Hydrolec II" technology

same connection for all LIBERVIT tools

connection to a LIBERVIT hydraulic manual pump

TECHNICAL CHARACTERISTICS			
hydraulic hose	ref. LF2	ref. LF6	ref. LF10
length	2 m - 6.5 ft	6 m - 20 ft	10 m - 33 ft
weight	1.2 kg - 2.5 lbs	2.4 kg - 5 lbs	3.5 kg - 7.7 lbs
compatible	with all LIBERVIT hydraulic tools		
available colours	black or olive green		
hydraulic hose support	yes, ref. SLF, removable, standard clips attachment, 85 g		
hose support dimensions	28 x 13.5 x 1.5 cm - 11 x 5 x 0.5 inch		
hose support weight	85 g - 3 oz		

hydraulic coupling protection cap	on option, ref. BF & BM
protection on coupling	female & male coupling (LIBERVIT hydraulic tools)
BF's dimensions	Ø 59 mm x 36 mm - Ø 2.5 inch x 1.5 inch
BM's dimensions	Ø 52 mm x H 63 mm - Ø 2 x H 2.5 inch
weight	BF : 70 g - 2.5 oz - BM : 140 g - 5 oz

Hydraulic cutters & spreaders

Cutters are used to cut padlocks, bars, chains, cable, etc. Spreaders are used to push apart bars, open metal curtains and many other uses requiring strength.

LD series hydraulic cutters

BP series hydraulic cutters

U shape hydraulic cutter

E300 and E500 hydraulic spreaders

FAST35 hydraulic spreader

Mutlitool28 multi-function manual tool

Hydraulic cutters

to cut: fences, barbed-wires, padlocks, metal curtains, large dimension profiles, tubes and for crashed vehicle extrication (automobile, train, aircraft...).

LD, BP, U-shape & nano cutters' series

All the LIBERVIT cutters are designed to cut fences, barbed-wires, padlocks, metal curtains, large dimension profiles, tubes and for crashed vehicle, train, aircraft... extrication.
The U shape cutters are mainly aimed at cutting large profiles.
The nano hydraulic cutter NC28, the smallest and the lightest LIBERVIT cutter will allow you mobility and easy carrying when cutting profiles.
On option, a PELICASE® transport case adapted to your chosen cutter available in black or olive green colour as well as a soft CORDURA fabric backpack-rack.

Hydraulic cutters

TECHNICAL CHARACTERISTICS	
straight blades nano hydraulic cutter	ref. NC28
available colours	dark grey-black or olive green-black
maximum blades opening	50 mm - 2 inch
maximum thrust	280 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch steel, S235JR (EN 10277/18)
transport handle	yes
service handle	yes
dimensions	435 x 175 x 105 mm - 17 x 7 x 4 inch
weight	8.5 kg - 1.5 st

long straight blades hydraulic cutter	ref. LD2
available colours	dark grey-black or olive green-black
maximum blades opening	250 mm – 10 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	yes
dimensions	675 x 247 x 235 mm - 26 x 10 x 9.5 inch
weight	13.3 kg –2 st

short straight blades hydraulic cutter	ref. LD2C
available colours	dark grey-black or olive green-black
maximum blades opening	167 mm – 6 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	yes
dimensions	616 x 247 x 235 mm - 24 x 10 x 9.5 inch
weight	12.6 kg – 1.9 st

long curved blades hydraulic cutter	ref. BP2
available colours	dark grey-black or olive green-black
maximum blades opening	140 mm – 6 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qté 1
service handle	oui
dimensions	660 x 247 x 235 mm - 26 x 10 x 9.5 inch
weight	13.4 kg – 2.1 st

short curved blades hydraulic cutter	ref. BP2C
available colours	dark grey-black or olive green-black
maximum blades opening	80 mm – 3 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	yes
dimensions	630 x 247 x 235 mm - 25 x 10 x 9.5 inch
weight	12.9 kg – 2 st

U shape blades hydraulic cutter	ref. U400
available colours	dark grey-black or olive green-black
maximum blades opening	165 mm - 6.5 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	oui
dimensions	688 x 247 x 235 mm - 27 x 10 x 9.5 inch
weight	14.2 kg - 2.2 st

Hydraulic cutters' accessories - on option

TECHNICAL CHARACTERISTICS	LIBERVIT BLACKline range	LIBERVIT DEFENSE range
Pelicase® & Peli Storm® transport case	on option, black, ref. VDT/NC28	on option, olive green, ref. VLD/NC28
dimensions	559 x 351 x 229 mm - 22 x 14 x 9 inch	551 x 358 x 226 mm - 21.5 x 14 x 9 inch
weight empty	6 kg - 13 lbs	6.2 kg - 13.5 lbs
soft backpack rack	on option, ref. CLS/NC28, black colour	on option, ref. CLS/NC28, olive green colour
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® & Peli Storm® transport case	on option, black ref. VDT/LD2	on option, olive green, ref. VLD/LD2
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg – 2 st
soft backpack-rack	on option, ref. CLS/LD2	on option, ref. CLS/LD2
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® & Peli Storm® transport case	on option, black ref. VDT/LD2C	on option, olive green, ref. VLD/LD2C
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg – 2 st
soft backpack-rack	on option, ref. CLS/LD2C	on option, ref. CLS/LD2C
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® & Peli Storm® transport case	on option, black ref. VDT/BP2	on option, olive green, ref. VLD/BP2
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg – 2 st
soft backpack-rack	on option, ref. CLS/BP2	on option, ref. CLS/BP2
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® & Peli Storm® transport case	on option, black ref. VDT/BP2C	on option, olive green, ref. VLD/BP2C
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg – 2 st
soft backpack-rack	on option, ref. CLS/BP2C	on option, ref. CLS/BP2C
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® & Peli Storm® transport case	on option, black ref. VDT/U400	on option, olive green, ref. VLD/U400
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg – 2 st
soft backpack-rack	on option, ref. CLS/U400	on option, ref. CLS/U400
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

The cutters can be packed in a PELICASE® waterproof case. All our cases meet military & air transport standards. They have wheels and a carrying handle retractable.*

The cutters can be adapted to our soft backpack-rack made of CORDURA©. They have adjustable large shoulder straps and an abdominal one to offer comfort and stability while carrying them.

The protection cap BF protects your hydraulic cutter coupling from impact and dust.*

*Optional when acquiring a hydraulic cutter.

Hydraulic spreaders

used to spread bars, open metal shutters, inward opening doors as well as many other applications requiring the use of strength.

E300 - E500 - FAST35

The E300, E500 & FAST35 spreaders are used to spread bars, open metal shutters, inward opening doors as well as many other applications requiring the use of strength.
To work the spreader needs a LIBERVIT hydraulic power unit or manual pump and a hydraulic hose to connect them together.

E300 spreader – 84 kN – short arms- max opening 329 mm
E500 spreader – 50 kN – long arms- max opening 500 mm
FAST35 spreader – 60 kN – short arms – max opening 355 mm
The FAST35 has a 2-positions selector : automatic return or controlled return.

On option, a PELICASE© transport case adapted to the spreader you selected is available in black or in olive green as well as a soft CORDURA® fabric backpack-rack.

Hydraulic spreaders

TECHNICAL CHARACTERISTICS	
short arms hydraulic spreader	ref. E300
available colours	dark-grey-black or olive green-black
maximum arms' opening	329 mm – 13 inch
maximum thrust	84 kN
transport handle	qty 1
service handle	yes
dimensions	560 x 270 x 170 mm - 22 x 11 x 7 inch
weight	13.5 kg – 2 st

long arms hydraulic spreader	ref. E500
available colours	dark-grey-black or olive green-black
wheel	no
maximum arms' opening	500 mm – 19.5 inch
maximum thrust	50 kN
transport handle	qty 1
service handle	yes
dimensions	680 x 270 x 170 mm - 27 x 11 x 7 inch
weight	15.2 kg – 2.3 st

quick opening hydraulic spreader	réf. FAST35
available colours	dark-grey-black or olive green-black
maximum arms' opening	355 mm - 14 inch
maximum thrust	60 kN
slider button 2 positions allows the spreader :	AUTOMATIC : automatic return MANUAL : to return, activate the service handle
jaws and arms' spreader	interchangeable
transport handle	qty 1
service handle	yes
dimensions	585 x 250 x 270 mm - 23 x 10 x 10.5 inch
weight	10.7 kg - 1.7 st

Hydraulic spreaders' accessories

TECHNICAL CHARACTERISTICS	LIBERVIT BLACKline range	LIBERVIT DEFENSE range
Pelicase® & PELI® Storm transport case	on option, ref. VDT/E300	on option, ref. VLD/E300
colours	black	olive green
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg - 2 st
soft backpack-rack	on option, ref. CLS/E300	on option, ref. CLS/E300
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BFF

Pelicase® transport case	on option, ref. VDT/E500	on option, ref. VLD/E500
colours	black	olive green
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg - 2 st
soft backpack-rack	on option, ref. CLS/E500	on option, ref. CLS/E500
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

Pelicase® transport case	on option, ref. VDT/FAST35	on option, ref. VLD/FAST35
colours	black	olive green
telescopic handle	yes	yes
wheels	yes	yes
stainless steel padlock hasps	qty 2	qty 2
dimensions	781 x 521 x 295 mm - 31 x 20.5 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	16.5 kg – 2.6 st	13 kg - 2 st
soft backpack-rack	on option, ref. CLS/FAST35	on option, ref. CLS/FAST35
hydraulic coupling protection cap	on option, black, ref. BF	on option, olive green, ref. BF

The spreaders can be packed in a PELICASE© waterproof case. All our cases meet military & air transport standards. They have wheels and a carrying handle retractable.*

The spreaders can be adapted to our soft backpack-rack made of CORDURA©. They have adjustable large shoulder straps and an abdominal one to offer comfort and stability while carrying them.

The protection cap BF protects your hydraulic spreader coupling from impact and dust.*

*Optional when acquiring a hydraulic spreader.

PRA

Multi-function tool

The Multitool28 is the only tool able to combine in one tool a cutter and a spreader.

MULTITOOL28

The Multitool28 is able to combine in one tool a cutter and a spreader. The integrated manual pump has a fast approach discharge as well as a work discharge phase. Light and manoeuvrable the Multitool28 can be used in any position and is ideal for situation requiring silence or in an explosive atmosphere. Its spreader function will help you open metal shutters, push open bars, some inward opening doors, etc.

Multi - functions tool

TECHNICAL CHARACTERISTICS	
multi-functions tool	ref. Multitool28
maximum cutting thrust	280 kN
maximum spreading thrust	41 kN
maximum spreading capacity	200 mm - 8 inch
any position use	yes
transport handle	qty 1
pump lever orientation	360° orientation
nozzles and blades	yes, removable
two stages pump	yes
integrated manual pump	yes
delivered in transport bag & strap	yes, ref. ST/M28
available colours	dark grey-black or olive green-black
dimensions	630 x 230 x 190 mm - 25 x 9 x 8 inch
weight	10 kg - 22 lbs

on option soft back-rack	ref. CLS/M28
available colours	dark grey or olive green

	LIBERVIT BLACKline range	LIBERVIT DEFENSE range
PELICASE© & Peli Storm© transport case	on option, ref. VDT/M28	on option, ref. VLD/M28
colour	black	olive green
telescopic handle	yes	yes
wheels	yes	yes
dimensions	795 x 518 x 310 mm - 31 x 21 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	13 kg - 2 st	13 kg - 2 st

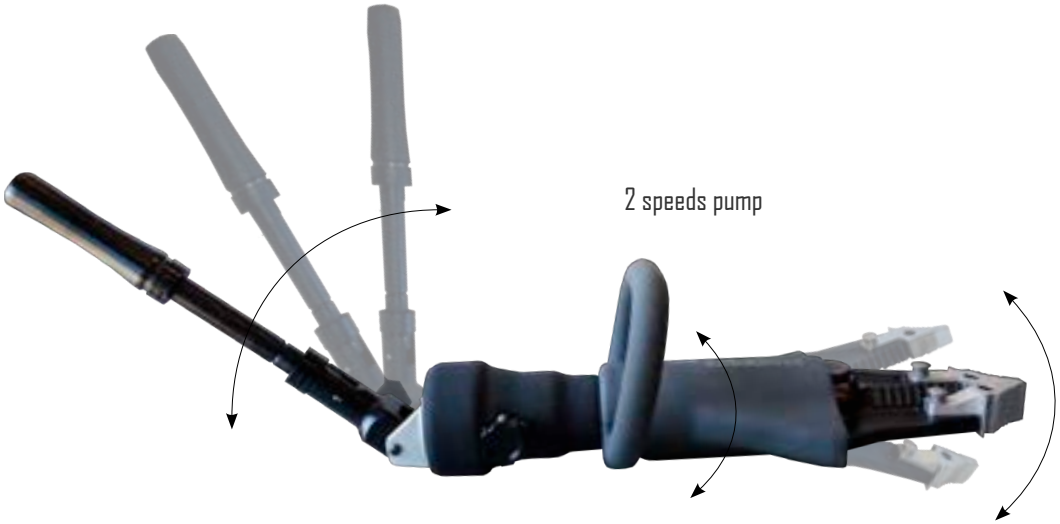
transport bag, ref. ST/M28

on option,
transport case PELICASE©

SPREADER/ CUTTER

3 steps pump lever opening :

1. 2. 3.



2 speeds pump

Nozzles and blades 360° orientation

20cm/ 8 inch blades opening

Heavy - duty work units

LB30 heavy-duty work unit

LB35 heavy-duty work unit

LB40 heavy-duty work unit

Heavy - duty work units

these heavy-duty work units are composed of a B.A.S. hydraulic power unit, a cutter, a spreader, a telescopic jack, an jack's extension each carried on a soft backpack and a hydraulic hose.

LB30 - LB35 - LB40

The LB30, LB35 and LB40 heavy-duty work units can be used for: cutting fences, barbed-wires, padlocks, chains, cables, large dimension profiles, tubes, etc. and for air and rail rescue, rescue clearing, to push open bars, to lift metal shutters or push heavy objects to create a passage. They can also help opening inward-opening doors and have many more applications to help rescue victims.

heavy-duty work unit : réf. LB30
B.A.S. (1.65 L tank) heavy-duty work unit hydraulic power unit
LF6 hydraulic hose
BP2 hydraulic cutter (long curved blades)
E300 hydraulic spreader
VT500.10/5 telescopic hydraulic jack and its R169 extension
3 backpack racks : CLS/BP2 – CLS/E300 - CLS/VT500.R

heavy-duty work unit : réf. LB35
B.A.S. (1.65 L tank) heavy-duty work unit hydraulic power unit
LF6 hydraulic hose
LD2 hydraulic cutter (long straight blades)
E300 hydraulic spreader
VT500.10/5 telescopic hydraulic jack and its R169 extension
3 backpack racks : CLS/LD2 – CLS/E300 - CLS/VT500.R

heavy-duty work unit : réf. LB40
B.A.S. (1.65 L tank) heavy-duty work unit hydraulic power unit
LF6 hydraulic hose
U400 hydraulic cutter (U shape blades)
E300 hydraulic spreader
VT500.10/5 telescopic hydraulic jack and its R169 extension
3 backpack racks : CLS/U400 – CLS/E300 - CLS/VT500.R

Heavy-duty work unit

B.A.S. hydraulic power unit for heavy duty work	
hydraulic power unit	ref. B.A.S.
service pressure	300 bar
hydraulic tools power supply	two alternatly
integrated hydraulic hose	1.50 m - 5 ft
clip-on support for hydraulic hose	ref. CLIP/F, removable
power supply	qty 1, LIBERVIT 48 V Lithium battery, ref. BI-ION48
battery autonomy	2 hours of action tool
maximum charge time	35 min (100% charge)
convertible hand radio remote	qty 1, with molle® system sleeve
power cable length	3 m - 10 ft
radio remote range	30 m - 99 ft
connected unit	LIBERVIT Connected app on Google Play & Huawei store
dimensions	350 x 300 x 410 mm - 14 x 12 x 16 inch
weight	11.8 kg - 26 lbs

LF6 hydraulic hose	
hydraulic hose	ref. LF6
compatible	with all LIBERVIT hydraulic tools
hydraulic hose support	yes, ref. SLF, removable, standard clips attachment
lenght	6 m - 20 ft
weight	2.4 kg - 5 lbs

E300 hydraulic spreader	
short arms spreader	ref. E300
maximum arms' opening	329 mm – 13 inch
maximum thrust	84 kN
dimensions	560 x 270 x 170 mm - 22 x 11 x 7 inch
weight	13.5 kg – 29.5 lbs

VT500.10/5 hydraulic telescopic jack	
hydraulic jack	ref. VT500.10/5
first stage thrust	100 kN
second stage thrust	49 kN
jack's stroke	380 mm - 1.2 ft
dimensions	495 x 78 x 240 mm - 19.5 x 3 x 10 inch
weight	10 kg - 22 lbs

R169 short extension for the VT500.10/5 hydraulic telescopic jack	
short extension	ref. R169
dimensions	169 x 64 mm - 6.6 x 2.5 inch
weight	780 g - 1.7 lbs

3 backpack racks for spreader E300 - jack VT500.10/5 - cutter BP2 or LD2 or U400	
soft backpack rack for E300	ref. CLS/E300
soft backpack rack for VT500.10/5 & R169	ref. CLS/VT500.R
soft backpack rack for BP2	ref. CLS/BP2
soft backpack rack for LD2	ref. CLS/LD2
soft backpack rack for U400	ref. CLS/U400

TECHNICAL CHARACTERISTICS	
long straight blades cutter	ref. LD2
available colours	dark grey-black / olive green-black
maximum blades opening	250 mm – 10 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	yes
dimensions	675 x 247 x 235 mm - 26 x 10 x 9.5 inch
weight	13.3 kg –2 st

long curved blades cutter	ref. BP2
available colours	dark grey-black / olive green-black
maximum blades opening	140 mm – 6 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch
transport handle	qty 1
service handle	yes
dimensions	660 x 247 x 235 mm - 26 x 10 x 9.5 inch
weight	13.4 kg – 2.1 st

U shape blades cutter	ref. U400
available colours	dark grey-black / olive green-black
maximum blades opening	165 mm - 6.5 inch
maximum thrust	400 kN
maximum cutting capacity	Ø 22 mm – Ø 0.8 inch barre d'acier
transport handle	qty 1
service handle	yes
dimensions	688 x 247 x 235 mm - 27 x 10 x 9.5 inch
weight	14.2 kg - 2.2 st

Hydraulic lifting jacks

VT500.10/5 : large telescopic hydraulic jack

VT380.10/5 : small telescopic hydraulic jack

VT500.10/5 & VT380.10/5 hydraulic jacks

used to rescue victims trapped under heavy loads, they can also function as a spreader to push open bars or lift meal shutters.

VT500.10/5 & VT380.10/5

The VT500.10/5 & VT380.10/5 are two stages telescopic jack. The hydraulic jack is mainly used to help rescue victims trapped under heavy loads, structures collapse. It also has other applications such as spreading bars, lifting metal shutters, pushing heavy objects to create a passage. The integrated check-valves to the service handle insure that even under a heavy load at maximum pressure the jack can still be disconnected from the hydraulic hose without risk. To work the jack must be used with a hydraulic power unit or manual pump.

on option, R169 & R455 extensions

TECHNICAL CHARACTERISTICS		
hydraulic jack	VT500.10/5	VT380.10/5
colours available	dark grey or olive green	dark grey or olive green
first stage thrust	100 kN	100 kN
second stage thrust	49 kN	49 kN
retracted length	495 mm - 1.6 ft	380 mm - 1.2 ft
jack's stroke	380 mm - 1.2 ft	141 mm - 5.5 inch
deployed length	875 mm - 2.8 ft	521 mm - 1.7 ft
dimensions	495 x 78 x 240 mm - 19.5 x 3 x 10 inch	380 x 78 x 240 mm -15 x 3 x 10 inch
weight	10 kg - 22 lbs	6.5 kg - 14 lbs

ACCESSORIES		
small extension	on option, ref. R169	on option, ref. R169
dimensions	169 x 64 mm - 6.6 x 2.5 inch	169 x 64 mm - 6.6 x 2.5 inch
weight	780 g - 1.7 lbs	780 g - 1.7 lbs
large extension	on option, ref. R455	on option, ref. R455
dimensions	455 x 64 mm - 18 x 2.5 inch	455 x 64 mm - 18 x 2.5 inch
weight	2.3 kg - 5 lbs	2.3 kg - 5 lbs
protection cap	on option, ref. BF	on option, ref. BF
soft back-rack	on option, ref. CLS/VT500	on option, ref. CLS/VT380
BLACKline PELICASE© transport case	on option, ref. VDT/VT500 (1650-black)	on option, ref. VDT/VT380 (1650-black)
transport case's dimensions	795 x 518 x 310 mm - 31 x 21 x 12 inch	795 x 518 x 310 mm - 31 x 21 x 12 inch
weight empty	13 kg - 2 st	13 kg - 2 st
DEFENSE Peli Storm© transport case	on option, ref. VLD/VT500 (IM2700-olive green)	on option, ref. VLD/VT500 (IM2700-olive green)
transport case's dimensions	625 x 500 x 218 mm - 24.5 x 19.5 x 11.5 inch	625 x 500 x 218 mm - 24.5 x 19.5 x 11.5 inch
weight empty	8.6 kg -19 lbs	8.6 kg -19 lbs

LIBERVIT
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B.A.S.
power unit

PML 10

Tactical training doors

TTdoor S training door fixed to a wall

TTdoor training door with base

SG/CTDOOR configurable convertible breaching & shooting training door

STD tactical ship training door

TTDOOR-S - tactical training door

the tactical training door helps to train to the use of different tools and technics to open doors.

TTdoor-S

When training operators to entry tactics the TTdoor-S helps realizing all kind of manoeuvres with any tool such as battering rams, lever, DOOR RAIDER light, OP55, HR7, etc.
The training door is fixed to a wall and simulate manoeuvres you could encounter in real operations.
Three lock simulators with calibrated wooden fuses reproduce the resistance from single lock or multi-points lock doors.
The lock simulators can be fitted with 1 to 3 fuses to reproduce the progressive opening of a door close to reality.
The TTdoor-S has been designed to give the intervention groups the opportunity to train and practice their entry-technics to develop the reflexes to succeed in their operations.
An identification plate can be engraved on demand.

TECHNICAL CHARACTERISTICS	
training door fixed to a wall	ref. TTdoor-S
door	3 lock simulators with 3 extractors, 3 aluminium hit pad (250 x 250 x 15 mm - 10 x 10 x 0.5 inch -
	weight 2.6 kg - 6 lbs) ref. TTpad, 2 handles
steel door's frame	8 mm - 0.32 inch thick
steel frame's anchor point	qty 17
material	grey powder coated steel
personalized identification plate	personalized engraving on demand
hardware	12 screws - 8 x 70 mm, 12 washers (hit pads)
	9 screws - 8 x 35 mm, 9 lock nuts (extractors)
	4 screws - 8 x 12 mm, 4 washers (personalized identification plate)
100 wooden fuses box	qty 2 boxes, ref. LIB15/70
monkey wrench	qty 2, Ø 22 mm - 0.9 inch
structure	removable
dimensions	2220× 1200× 200 mm - 7.5 x 3 x 7 ft
poids	301 kg - 47.5 st

TTdoor - tactical training door

the tactical training door helps to train to the use of different tools and technics to open doors.

TTdoor

When training operators to entry tactics the TTdoor helps realizing all kind of manoeuvres with any tool such as battering rams, lever, DOOR RAIDER light, OP55, HR7, etc. Three lock simulators with calibrated wooden fuses reproduce the resistance from single lock or multi-points lock doors.
The lock simulators can be fitted with 1 to 3 fuses to reproduce the progressive opening of a door close to reality.
The TTdoor has been designed to give the intervention groups the opportunity to train and practice their entry-technics to develop the reflexes to succeed in their operations. Removable, the TTdoor can be transported by its lifting rings and used on different locations. An identification plate can be engraved on demand.

TECHNICAL CHARACTERISTICS	
training door on base	ref. TTdoor
door	3 lock simulators with 3 extractors, 3 aluminium hit pad (250 x 250 x 15 mm - 10 x 10 x 0.5 inch -
	weight 2.6 kg - 6 lbs) ref. TTpad, 2 handles
frame	yes
door base	steel, 8 mm - 0.32 inch thick, with 4 drillings for ground anchors
right side tie rod	qty 1, with damping buffer
left side tie rod	qty 1
material	grey powder coated steel
lifting rings	qty 2
personalized identification plate	personalized engraving on demand
hardware	4 screws - 14 x 130 mm, 4 washers, 4 mobile nuts (steel door base)
	6 screws - 14 x 25 mm, 6 washers, 6 nuts (right and left tie rod)
	12 screws - 8 x 70 mm, 12 washers (hit pads)
	9 screws - 8 x 35 mm, 9 lock nuts (extractors)
	4 screws - 8 x 12 mm, 4 washers (personalized identification plate)
monkey wrench	qty 2, Ø 22 mm - 0.9 inch
100 wooden fuses box	qty 2 boxes, ref. LIB15/70
structure	removable
dimensions	2280 x 980 x 2119 mm - 7.5 x 3 x 7 ft
poids	454 kg - 72 st

SG/CTDOOR - configurable convertible breaching & shooting tactical training door

the configurable convertible breaching & shooting tactical training door helps to train to the use of different tools and technics to open doors.

SG/CTDOOR

When training operators to entry tactics the SG/CTDOOR helps realizing all kind of manoeuvres with any tool such as breaching manual tools but also hydraulic door openers or with a breaching shotgun.
At the top and bottom of the training door, 2 fixed hit pads (ref. TTpad) and at the location of the lock, you have the option to install a cartridge for shotgun shooting or a hit pad to train breaching training.
Three lock simulators with calibrated wooden fuses reproduce the resistance from single lock or multi-points lock doors.
The SG/CTDOOR has been designed to give the intervention groups the opportunity to train and practice their entry-technics to develop the reflexes to succeed in their operations. Removable, the SG/CTDOOR can be transported by its lifting rings and used on different locations.
An identification plate can be engraved on demand.

TECHNICAL CHARACTERISTICS	
configurable convertible breaching & shooting training door	ref. SG/CTDOOR
locks simulators	3 lock simulators with 3 extractors
ref. TTpad	2 aluminium hit pad (250 x 250 x 15 mm - 10 x 10 x 0.5 inch - weight 2.6 kg - 6 lbs)
	2 removable pads (situated at the lock) :
ref. TT/CART	- 1 aluminium hit pad to train with manual breaching tool & hydraulic door opener
ref. SG/CART	- 1 shooting pad with one wooden pad to train with a breaching shotgun
handles	qty 2
frame	yes
door base	steel, 8 mm - 0.32 inch thick, with 4 drillings for ground anchors
right side tie rod	qty 1, with damping buffer
ref. PP/SG/CART, shotgun breaching splinter shield	qty 1, on the left side tie rod
material	grey powder coated steel
lifting rings	qty 2
personalized identification plate	personalized engraving on demand
30 chains door guard	qty 1 box, ref. LIB/ENTB
30 wooden plates	qty 1 box, for shooting pad to train with a breaching shotgun, ref. W/PAD
	1 wooden pad : 253 x 274 x 5 mm - 10 x 11 x 0.2 inch - 260 g - 9 oz
60 wooden fuses	qty 1 box, for shooting pad's lock simulator ref. LIB15/200
monkey wrench	qty 2, Ø 22 mm - 0.9 inch
100 wooden fuses	qty 2 boxes, for locks simulator, ref. LIB15/70
flat spanners	qty 2, Ø 14 x 200 mm - Ø 0.55 x 8 inch, 1 kg - 3 lbs
structure	removable
dimensions	2280 x 980 x 2119 mm - 7.5 x 3 x 7 ft
weight	558 kg - 88 st

STD - Watertight training door

simulates the opening of a watertight door. Thanks to the patented reusable locking system requiring no consumables, it allows an unlimited number of uses during the training.

STD

The STD watertight training door was designed to provide the ability for the task force to simulate the opening of watertight doors on ships, using suitable hydraulic door opener tools.

The LIBERVIT STD door is not intended to test the power of the tools used, but to allow operators to acquire the automatisms of implementing the tools, as well as to put into practice the approach tactics, of opening and entering the area after opening.

Made to the dimensions of real watertight doors and in very resistant materials, the STD door has an unlimited life. All the contact points on which the hydraulic tools will exert their effort to open are made of stainless steel and are replaceable if this is necessary after a very large number of uses.

Equipped with three reusable closing points, made of treated steel, and offering strong resistance to opening, the LIBERVIT STD door does not require any consumables.
After opening, simply close the door, rotate the levers of each of the three closing points and thus lock the door for the next use, this operation can be repeated indefinitely.

An identification plate positioned on the front of the door, can be customized by laser engraving (unit emblem, or any other specific identification)

Delivered on two removable feet for total stability, the door can also be installed wall mounted.

TECHNICAL CHARACTERISTICS	
locks simulator	qty 3, ball locks without consumables
locks' system	qty 3, manual reusable locking system
handles	qty 3
door base	qty 2
material	grey powder coated steel
handling footprint	qty 2
personnalized identification	plate personnalized engraving on demand
structure	dismountable
monkey wrench	x 2 wrenches Ø 24 mm, x 1 wrench Ø 17 mm
training	for hydraulic door openers (OP55 / OP71...) & hydraulic spreaders (E300, E500 & FAST35)
dimensions	1820 x 1460 x 1790 mm
weight	290 kg

LIBERVIT
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B.A.S.
power unit
LIBERVIT

POLICE NATIONALE
RAID
LIBERVIT

THERMIC POWER V2
exothermic cutting unit

through high temperature fusion (5000°C) cuts,
in a short time frame, all kind of material.

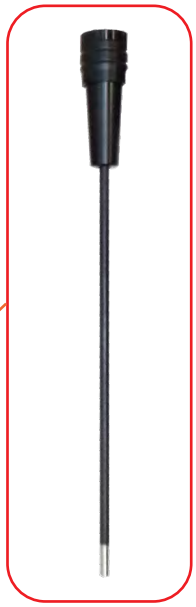
THERMIC POWER V2

The THERMIC POWER V2 portable exothermic cutting unit gives you the benefit of the very latest technical developments made to the ignition system, the oxygen bottle as well as the cutting rods.
In collaboration with a french battery manufacturer, we have developed a miniaturized and ultra-light ignition system, with a high power and allowing more than 20 successive ignitions before recharging.
The miniaturization of the THERMIC POWER V2 allows us to offer a unique solution, allowing the operator to position his ignition system on the right or left side of the carrying harness and remove it quickly when needed.
We use a 3 L / 300 bar carbon fiber oxygen bottle which allowed us to significantly reduce weight and dimensions.
The cutting rods in rolled metal allows a significant flow of oxygen and faster cutting.
Cutting rods can be reignited after a voluntary or involuntary cutting interruption.
With a weight of 18 kg ready for use, the THERMIC POWER V2 is one of the lightest and most efficient on the market.

THERMIC POWER V2
exothermic cutting unit

THERMIC POWER	#	Items	Reference	Weight-Kg
	1	3L / 300 bar carbon fiber oxygen cylinder	TP-O/ES-001	2.56
	2	Oxygen regulator kit - xl manometer - xl regulator - xl anti-backdraft valve - xl female oxygen coupling	O/THPW	1.59
	3	Oxygen bottle & cutting rods' backpack carrying harness	H/TP	2.16
	4	300 bar oxygen hose 1500 mm length - 5 ft	TP-F	0.44
	5	Electrical ignition power unit - xl fabric protection cover - xl Lithium battery 12V - 5Ah (BLFP12-5)	BA/THPW	1.60
	6	Battery charger	CB/THPW	0.74
	7	Exothermic torch - xl Ø9.5 mm-0.4 inch spring collet	TPT	0.92
	8	Exothermic torch extension 575 mm - 22.6 inch length	TPT/E	0.56
	9	Hand held striking plate	plaqueAM	0.62
	10	Ground striking plate	plaqueAS	1.48
	11	x 1 plastic box with : - x10 Ø6,3 mm - 0.25 inch L600 mm-2 ft cutting rods - x10 Ø9,5 mm - 0.4 inch L600 mm-2 ft cutting rods	ETM6395-600/THPW	3.24
	12	x2 cutting rod's spring collets - xl Ø9,5 mm - 0.4 inch - xl Ø6,3 mm - 0.25 inch	TPT/EU-002-A TPT/EU-002-B	0.10
	13	Pair of high protection glasses tinted n°6	LG/THPW	0.40
	14	Pair of glasses equipped with automatic concealment filters - xl protective case - xl microfiber cloth	G3	
	15	x5 FFP3 breathing masks with valve	M/THPW	
	16	Oxygen lubricant TRIBOLUBE 71 30 gr - 1 oz	TRIBOLUBE71	0.06
	17	Pair of heat-resistant leather gloves	G/THPW	0.40
	18	Peripherals transport bag - xl transport strap	STP/THPW SP/THPW	1.40
	19	PELICASE© transport case (black)	VDT/THPW	11.68
	20	PELI Storm© transport case (olive green)	VLD/THPW	13

PELICASE© transport case contents



bag including accessories

Explosive entry

a process that controls energy in a specific direction when using explosives for breaching operations.

QUICK CHARGE II

FLEX CHARGE 60

FLEX CHARGE 100

FLEX CHARGE 160

FLEX CHARGE 200

POWER HOLE IV

Water-tamping system for explosive use

QUICK CHARGE II

TECHNICAL CHARACTERISTICS	
sleeve for explosives	ref. QUICK charge II
delivered	in pack of 10
outer wrapping	nylon-Velcro
internal material	PE, Nylon
lenght	app. 40 cm (filled with open head tag)
lenght	app. 35 cm (filled with closed head tag)
water capacity	0.8 litres - 0.21 gallons
weight one QUICKcharge	70 gr / 2.5 oz
gross weight	filled app 960 gr / 34 oz
dimensions	300 x 110 x 20 mm
wrapping dimensions	400 x 250 x 160 mm
shelf life	min. 1 year (filled)
ignition system	non-electric «Nonel»
shock-tube	recommended
accessoires	magnetic foils for FR-doors & lockers

FLEX CHARGE 60 - 100 - 160 - 200

TECHNICAL CHARACTERISTICS	
sleeve for explosives	ref. FLEX charge 60
delivered	in pack of 10 FLEX charge 60
length	600 mm – 23.62 inch
water capacity	2.4 liters - 0.63 gal
weight for one	330 gr / 11.5 oz
sleeve for explosives	ref. FLEX charge 100
delivered	in pack of 10 FLEX charge 100
length	1000 mm – 39.37 inch
water capacity	4 liters - 1.05 gal
weight for one	530 gr - 18.7 oz
sleeve for explosives	ref. FLEX charge 160
delivered	in pack of 10 FLEX charge 160
length	1600 mm – 62.99 inch
water capacity	6.4 liters- 1.69 gal
weight for one	770 gr - 27 oz
sleeve for explosives	ref. FLEX charge 200
delivered	in pack of 10 FLEX charge 200
length	2000 mm – 78.74 inch
water capacity	8 liters - 2.10 gal
weight for one	970 gr - 34 oz

POWERHOLE IV

TECHNICAL CHARACTERISTICS	
explosive charge bag	ref. POWERHOLE IV
delivered	in pack of 10 POWERHOLE
dimensions open	203 x 165 cm - 80 x 65 inch
dimensions closed	119 x 65 cm - 47 x 25 inch
closed bag diameter	Ø 250 mm - 10 inch
one POWERHOLE empty	5.2 kg - 11 lbs
one POWERHOLE ready for use	17 kg - 38 lbs

BLACKX©
control access shutter
TO PROTECT
OPERATORS

BLACK X©
control access shutter

PROTECTION OF OPERATORS DURING HIGH-RISK MISSIONS
ACCESS CONTROL - SECURING PLACES

The level of risk is increasing steadily from year to year, many French and foreign special forces have informed us of the need to install rapid and silent security systems during certain interventions, to enable them to control access in and out of corridors, doors or windows, whether on the first floor or upper floors.

Placed on the frame of an open or closed house or apartment door, as well as elevator doors, the BLACK X will allow you to condemn the entrance or exit.
After opening the door by manual or hydraulic breaching tools, the BLACK X will allow you to close the entrance or exit while retaining the visibility of what is happening inside or outside.

The installation of the BLACK X control access shutter in a corridor will allow you to direct the person or people circulating in the direction you have previously decided, or simply not to allow traffic into it.

The BLACK X's installation on window frames will allow NO entry or exit through this way; with an operational tactic and adapted equipment, the BLACK X can be placed outside building fronts, floors, to avoid escape or suicide by auto-defenestration, while maintaining a high visibility of what is happening on the other side of the net and of the possible intervention of a sniper.

The BLACK X is not limited to use in corridors, doors or windows of residences, it can be used in passageways, in railway wagons, subways, airplane doors, underground tunnels etc.

The BLACK X can be optionally equipped with a ballistic shield on the entire surface of the net or one part only, in addition to not allow the passage and to offer a secure fallback while maintaining a high visibility through the net.

The BLACK X is composed of at least two electric jacks, extensions to set on different dimensions of doors or windows as well as different widths of corridors and one or more high-strength and cut-resistant nets.

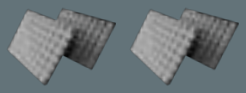
The can be delivered in a soft transport bag or, in a PELICASE© transport case.

BLACKX control access shutter

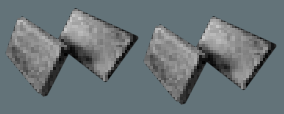
STANDARD CONFIGURATION

TO COVER FROM
800 mm - 2.6 ft to 950 mm - 3 ft width
& 1800 mm - 5.9 ft high*

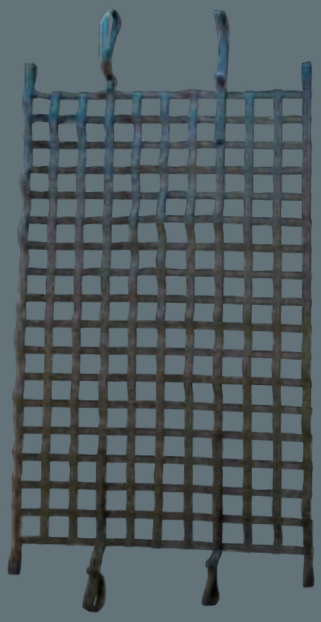
electric jacks



notched plates



rubber plates



cut resistant net

battery charger

transport bag

STANDARD CONFIGURATION - BLACK X ITEMS				
quantity	designation	reference	dimensions	weight
2	electric jacks	BXV	93 x 93 x 800 mm 4 x 4 x 31.5 inch	9 kg 20 lbs
4	notched plates	PCBX	95 x 78 x 35 mm 3.7 x 3 x 1.3 inch	270 gr 9.5 oz
4	rubber plates	PSCBX	140 x 90 x 44 mm 5.5 x 3.5 x 1.6 inch	400 gr 14 oz
1	automatic battery charger	CB24BX	210 x 110 x 50.5 mm 8 x 4 x 2 inch	1.34 kg 2.95 lbs
1	cut resistant net	ACXG	925 x 1655 mm 36.5 x 65 inch	620 gr 1.5 lbs
1	transport bag	ST/BLACKX	900 x 350 x 250 mm 35.5 x 13.7 x 9.8 inch	3.36 kg 5.95 lbs

*for specific dimensions, contact us.

BLACKX©
control access shutter

EXAMPLE OF USE

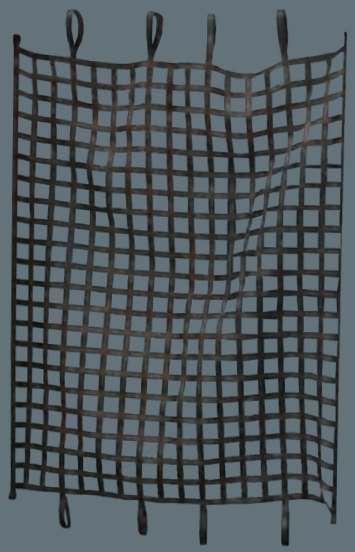
BLACK X
control access shutter

ACCESSORIES

By adding to the standard configuration, the P350BX extensions and the ACXG net, they cover a dimension ranging from 1030 mm - 3.3 ft to 1200 mm - 3.9 ft width & 1800 mm - 5.9 ft high*

These few pages give you an overview of the dimensions that can cover the BLACK X. For other dimensions, see our online configurator www.libervit.com

P350BX extensions



cut resistant net

transport bag

ACCESSORIES - BLACK X				
quantity	designation	reference	dimensions	weight
2	extensions	P350BX	380 x 93 x 93 x mm 14.9 x 4 x 4 inch	2 kg 4.4 lbs
1	cut resistant net	ACXG	1555 x 1655 mm 62 x 65 inch	2.18 kg 4.8 lbs
1	transport bag for 2 extensions & 1 net	STP/BLACKX	500 x 350 x 250 mm 19.6 x 13.7 x 9.8 inch	2.7 kg 5.95 lbs

*for specific dimensions, contact us.

BLACKX©
control access shutter

EXAMPLE OF USE

FIELDS OF APPLICATION

ship watertight doors

corridors / hallways

elevator doors

residential doors

BLACKX©
control access shutter

windows

railway access doors

prison environment

airplane doors

BLACKX
control access shutter

GCN/200 - floor blanket

GCN/200

Made of Cordura® nylon fabric , the floor blanket GCN/200 is intended to create a clean and secure space allowing all the necessary tools and equipment to be placed during interventions in dirty or hazardous areas. Dirt-repellent. The floor cover is delivered in a transport bag.

TECHNICAL CHARACTERISTICS	
floor blanket	ref. GCN/200
material	Cordura® nylon fabric
handles	qty 4
washable	yes
transport bag	qty 1, ref. ST/GCN/200
transport bag's dimensions	400 x 350 x 50 mm - 16 x 14 x 21 inch
transport bag's weight	220 gr - 8 oz
floor blanket's dimensions	1900 x 1500 mm - 6.2 x 4.9 ft
floor blanket's weight	1.6 kg - 3.5 lbs

SGDF1 - FLUID MANAGEMENT SYSTEM FOR LIBERVIT HYDRAULIC POWER UNITS

MAN10 - AIR GUN

COMP/8B - AIR COMPRESSOR

The SGDFI is a fluid management system for LIBERVIT hydraulic manual pumps & power units. It is useful when draining and filling the oil tank of your power units.

TECHNICAL CHARACTERISTICS	
fluid management system	ref. SGDFI
function	fluid management system : DRAINING - FILLING
dedicated	only for LIBERVIT hydroelectric power units
system	automatic
filling of the tank	HAFA CIRCOL 22 mineral oil (tank empty when delivered)
translucent hose	yes, draining tip in its housing
maximum tank capacity	2 liters
manometer	yes, 2 bar max
hydraulic connection	yes, only for LIBERVIT hydraulic connection
buttons	2 buttons :
	- to start the hydraulic power unit
	- filling valve
dimensions	220 x 400 x 310 mm - 9 x 15.5 x 12 inch
weight filled with 2L of oil	5.2 kg - 11.5 lbs

The MANI0 air gun is a pressure gauge to control and adjust the pneumatic pressure of all our tools in the LIBERVIT range. It can be connected to any standard air compressor.

TECHNICAL CHARACTERISTICS	
air gun	ref. MANI0
maximum pressure	12 bar
gun	LIBERVIT special nozzle
manometer	yes
solid transport case	yes
case dimension	292 x 341 x 100 mm - 11.49 x 13 x 4 inch
weight case loaded	1.2 kg – 2.64 lb

The COMP/8B portable compressor controls and adjusts the pressure of all your hydraulic tools in our LIBERVIT BLACKline and LIBERVIT DEFENSE ranges.

TECHNICAL CHARACTERISTICS	
air compressor	ref. COMP/8B (BLACK+DECKER réf. BDCINFI8)
inflator nozzle	embout spécial pour outils LIBERVIT
capacity	160Psi/ 11bar
power source 1	alternating current - 200- 230V
power source 2	direct current - 12V auxiliary power outlet
power source 3	18V lithium battery
battery	yes, lithium, ref. BLI518 (BLACK & DECKER)
battery charger	yes, ref. BDCIA-QW (BLACK & DECKER)
dimensions	120 × 200 × 180mm - 10 × 8 × 7 inch
weight	2 kg - 4.4 lbs

ODM - maintenance tools

ODM

The ODM LIBERVIT tools transport case has everything you need to help your qualified staff perform level 1 maintenance : spare parts replacement, spreader's arms installation, hinges or joints greasing, screws tightening on all LIBERVIT BLACKline and DEFENSE tools' ranges and hydraulic power units.
With the tools they will be able to change / replace:
- cutters' blades
- spreaders' arms removal
- articulations oiling
- pneumatic pressurization
- service pressure control
- the tank hydraulic fluic draining and leveling up
- regularly tightening LIBERVIT's tools screws
- install and remove the soft frame of the B.A.S., B.A.S. superlight or B.A.S. optima power unit.

TECHNICAL CHARACTERISTICS	
LIBERVIT maintenance tools in PELICASE® transport case	ref. ODM
transport case	ref. VDT/ODM
Pelicase transport case dimensions	559 x 351 x 229 mm - 22 x 14 x 9 inch
empty case weight	6.5 kg - 14 lbs
equiped case weight	12 kg - 26.5 lbs

includes :

1	xl	pair of rulers for installing and removing the soft frame of the LIBERVIT soft backpack power unit (ref. KPBAS)			
2	xl	1L oil can HAFA CIRCOL 22 (ref. 1L)	14	xl	slip joint plier (ref. PM-ODM)
3	xl	400 ml adhesive grease spray (ref. SG400-ODM)	15	xl	combination spanner 24 (ref. CM24-ODM)
4	xl	cloth (ref. C-ODM)	16	xl	combination spanner 22 (ref. CM22-ODM)
5	xl	0-400 Bar manometer (ref. MH-ODM)	17	xl	combination spanner 21 (ref. CM21-ODM)
6	xl	valve core extractor tool (ref. EOV-ODM)	18	xl	pair of combination spanners 19 (ref. CM19-ODM)
7	xl	air gun (ref. MAN10-ODM)	19	xl	combination spanner 17 (ref. CM17-ODM)
8	xl	torque wrench (ref. CD-ODM)	20	xl	combination spanner 13 (ref. CM13-ODM)
9	xl	hydraulic drain valve (ref. BPV)	21	xl	combination spanner 10 (ref. CM10-ODM)
10	xl	large flat screwdriver (ref. GTP-ODM)	22	xl	funnel (ref. ENT-ODM)
11	xl	small flat screwdriver (ref. PTP-ODM)	23	xl	circlip pliers 3 - 10 (ref. PC310-ODM)
12	xl	small Phillips screwdriver (ref. PTC-ODM)	24	xl	circlips pliers 10 - 25 (ref. PC1025-ODM)
13	xl	Allen key's set (ref. BTR-ODM)	25	xl	BTR 10 tip (ref. EBTR10-ODM)

LIBERVIT tools' use & maintenance training

light hydraulic door-openers

anti-panic doors hydraulic door-opener

mid-range hydraulic door-openers

breaching hydraulic units

high performance hydraulic door-opener

cutters/ spreaders/ hydraulic jacks

LIBERVIT tools' use & maintenance training

Success and failure in handling tactical but mainly breaching equipment is closely linked to the equipment workmanship but also to the users' experience and deftness.

To the specialized intervention groups working with our LIBERVIT hydraulic tools we are offering courses on commissioning, optimized set-up and maintenance for cold breaching but also for hot breaching with exothermic cutting.

The training is done by LIBERVIT qualified staff and does not offer tactical advice. The training can be done on our premises or on site. Our premises offer the comfort of a classroom as well as a training facility with tactical training doors.

We remain at your disposal to answer your training request and will try to adapt our calendar to yours.

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Training courses

HELIX

Tactical | Rescue | Training

Helix Operations understand that first class equipment is only one part of the equation and that without training it is unlikely to be utilised to its full potential.

That is why training packages are an integral part of our portfolio alongside a comprehensive range of equipment and systems. We are in the position of offering industry leading systems with the sole intention of enabling end-users to operate in a far lighter, quieter and swifter manner.

Helix Operations training courses are built to provide specialist height access and rescue skills to tactical operators and rescue team personnel in a context that can be transferred to real world taskings.
All of Helix Operations courses are tailored and refined to ensure they are pertinent to the end user because we are aware that no two situations or requirements are the same. Helix Operations ensure that core skills and techniques are covered on all courses to ensure interoperability between organisations.

Helix Operations utilise a core team of training consultants whose experience covers specialist tactical employment, remote rope rescue teams worldwide, the Paramedic service, Mountain Rescue Teams as well as industrial specialist rope rescue rigging. Through technical expertise and continued professional development our delivery team is one of the most experienced and knowledgeable within the UK.

Course Ranges
Helix Operations course range has grown over the last few years. Helix Operations foundation of Rope Rescue and Tactical Rope Rescue have expanded into a comprehensive range of courses crossing into all environments, mountain, urban and maritime.
While Helix Operations are flexible to keep up with changing demand, such as introducing Method of Entry courses, Canine Work at Height, and Water Safety, we are committed to delivering new courses at the same level of standard expected from our historic courses.
Our end-user centred focus means training is continually being evolved and expanding. On request, we can offer bespoke and CPD. Packages where conventional course listings are not being met.

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WORLD LEADER IN TACTICAL ENTRY TOOLS
BLACKX
BLACKX
THE TACTICAL FACTORY