WORK AND RESCUE















SAFETY IN THE WORKPLACE IS NOW SEEN TO BE MORE IMPORTANT THAN EVER

BEFORE.
THIS IS ESPECIALLY TRUE WHEN
WORK IS BEING CARRIED OUT
AT HEIGHT.

European legislation now provides a consistent framework for both manufacturers and users of safety equipment - it is the responsibility of us all to ensure that risks are kept to a minimum. This catalogue is intended to be an aid to those carrying out risk assessments and to those in the position of determining safe working practices.

A full body harness and lanyard may no longer be the automatic choice for maximum safety. (Far better to make sure a fall does not happen in the first place than to arrest one after it has occurred). Fall arrest, work positioning, rope access - which method is appropriate and what is required to carry out each method safely?





We hope that this catalogue will serve to illustrate some of the new options available to make work at height safer and easier.





PETZL IS ISO 9001 CERTIFIED

Since 1994, every item of Personal Protective Equipment (PPE) has been numbered (helmets, ascenders, descenders, belaying devices, carabiners, harnesses).

The marking comprises 5 numbers and a letter. The first two numbers represent the year of manufacture, the following three numbers the day entered into stock (from 1 to 366), and the letter indicates the identity of the person responsible for the final control. This marking system allows for traceability of the production path for each product, even many months after its manufacture. This is a quarantee of quality for the user.





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NUMBERING OF PRODUCTS

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ABOUT INDIVIDUAL TESTING

individually tested What is the individual test referred to so frequently in the Petzl catalogue and technical notices?

Well... The design of a piece of gear is good... because it will be Personal Protective Equipment it must made to meticulous tolerances for the safety of users...

To do this there must be rigorous control during all stages of manufacture, from the assessment of raw materials right through to the packaging of the finished product. It is in response to these imperatives that PETZL controls each and every operation to ensure that every product is totally reliable.

The guarantee in this case comes from the Quality Standard ISO 9001. One stage during the production process, after manufacture, and just before finishing, is the INDIVIDUAL TEST.





Every example of every product is taken individually and subjected to a series of tests on a tailor-made jig, following a prescribed procedure. The products are subjected to a significant, but non-destructive, mechanical load. During this test the item is checked for: absence of cracks, deformation or breaking, good riveting and visual correctness (clean machining, colours).

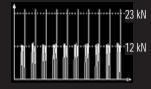
If a fault is discovered, depending on the frequency or its importance, the bad examples will be isolated, or the production itself stopped. In every case, a systematic investigation is undertaken to discover the origin of the fault and to remedy it.

We are often asked one question:
does the test weaken the product?

individually



Here's an example: We've taken 10 SPI-RIT carabiners at random which have already been used. They have thus undergone the individual load test, and then been subjected to 'real' use. Then we have repeatedly loaded them to the value of the original test (12 kN), and finally tested them to the strength figure of 23 kg marked on the carabiner.



All the carabiners passed, with no breakages.

additional assurance that Petzl offers you the maximum safety.





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WORK POSITIONING Am'D BALL LOCK M18. ANNFAU C40-80 Am'D M17, ATTACHE M20 Many workers use no safety gear when PROTEC C45 working on roofs. The reason usually **ECRIN BEST A06** ASCENSION B07L/B07R given for this risk taking is lack of time, **FNFRGYCA C44** in addition to the perception of old-ATTACHE M20 NAVAHO VARIO C79 fashioned safety systems as being NAVAHO COMPLET C77 cumbersome, heavy and tedious to install. PETZL offers a solution to this problem: a rope is fixed to the ridge. The worker attaches himself to this rope LOW STRFTCH ROPE with a self-locking handled ascender. He can climb and descend should be have to. Should the worker accidentally slip, the ascender locks instantly. The life-line also allows the worker to GRIGRI D14 work in tension on the rope, thus freeing both hands to work more effectively while being safe. Home Contents Index

VERTICAL LIFE-LINE CONNEXION FIXE C42 ASCENSION B07L/B07R In general, workers at Am'D BALL LOCK M18 ATTACHE M20 height descend from the top Am'D M17 of structures. They require STOP D09 **ENERGYCA C44** great mobility to gain access to difficult places. NAVAHO VARIO C71 Their equipment must be ECRIN BEST A06 PEDALE C47 comfortable and easy to FCRIN ST A02 use. STOP D09 NAVAHO COMPLET C77 NAVAHO COMPLET **ASCENSION** STERNAL C71 B07L/B07R POMPF B10 PFDALF C47 Home Contents Index

WORK ON PYLONS **ECRIN BEST A06** The pylon climber of the 90's uses security techniques gained from mountaineering NAVAHO VARIO C79 and caving. Thanks to its experience in **ENERGYCA C44** these areas. PETZL has developed several Am'D BALL LOCK M18 solutions. The NAVAHO harness has been developed and defined in conjunction with the French Electricity Company (EDF). NAVAHO COMPLET **ASCENSION** It is thus specifically suited to pylon work B07L/B07R comfort, rapid putting on / adjusting, NAVAHO COMPLET freedom of movement. The belay slings for attatching to the pylon are 80 cm sewn slings, closed by SPIRIT M15 carabiners in forged alloy. For descent, LOW STRETCH ROPE the workers use a STOP descender D09 until the last man, who climbs down. or abseils, removing the belay slings. Home Contents Index

Am'D M17

ATTACHE M20

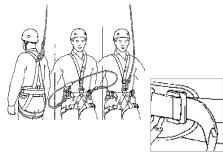
STERNAL C71

GRILLON 152

NAVAHO COMPLET- C77 (1330 / 1440 g)

Exceptionally comfortable, the NAVAHO COMPLET is perfect for professional use. Its three attachment points (waist, sides, and back), adjustable leg loops, padded waistbelt, heavy-duty gear loops, and adjustable shoulder straps make this an excellent fall protection and prevention harness. Fitting is quick and simple due to our DoubleBack buckle system. Two sizes.

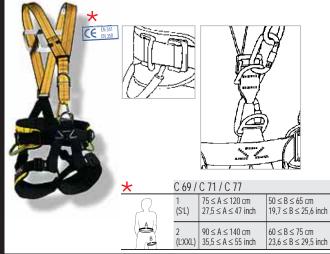




*	C 69 / C 71 / C 77			
A B	1 (S'L)		$50 \le B \le 65 \text{ cm}$ 19,7 \le B \le 25,6 inch	
	2 (L'XXL)		$60 \le B \le 75 \text{ cm}$ 23,6 \le B \le 29,5 inch	

NAVAHO COMPLET STERNAL - C71 (1430 / 1540 g)

By popular demand, the NAVAHO COMPLET STERNAL has every possible attachment option : chest, back, front, and sides. Apart from the chest attachment, it is identical to the NAVAHO COMPLET.



ASCENSION - B07L/B07R (205 g)

Designed for ascending fixed ropes, the ASCENSION only needs one hand. The ergonomic plastic grip protects the hand from cold. Even wearing thick gloves, the ASCENSION ascender is easy to grip and control. The inclined teeth grip muddy or iced up ropes.



OK - M70 (70 g)

An oval screw-gate locking carabiner with a colored safety indicator. Ideal for use with pulleys or a haul system with ascenders.



ATTACHE - M20 (80 g)

A symmetrical shaped carabiner. Thanks to the Keylock closure system, the latch has less chance of catching on unclipping, while at the same time offering greater strength. When under load, the closure system won't lock up. The ATTACHE has a colored safety indicator: allowing you tell at a glance if it is locked.







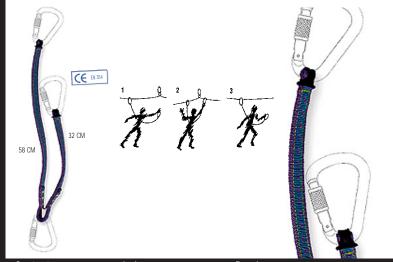






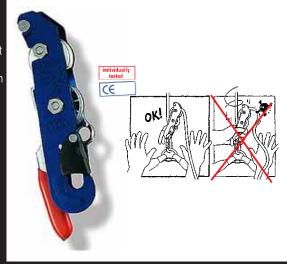
ENERGYCA - C44 (95 g)

A compact double lanyard made of sewn webbing. It is ideal for cable or rope traverses: the two slings allow the user to stay clipped in while passing by anchors. Certain parts of the stitching are designed to rip in case of a fall, thus minimizing the shock load.



STOP - D09 (325 g)

The STOP slows or stops descent by letting go of the red handle. The free end of the rope may then be locked over the head of the STOP. A clip-quard allows fixing and de-taching to/from the rope without detaching the STOP from the harness. Capstans are made of stainless steel. Designed for ropes from 9 to 12 mm. CE certified as self-braking descender. Attention: for automatic braking, let go of the red handle. This is not necessarily a natural reaction.



ECRIN ST - A02 (495 g)

The ECRIN ST helmet has a unique adjustment system. The wearer can adjust the size volume simply by turning the two cog wheels located on each side of the helmet. The helmet conforms to the mandatory requirements of Standard EN 397. In addition, it conforms to the following optional extra requirements of this standard: very low temperature: -30°C, electrical insulation: 440 V ac., lateral deformation: DL, molten metal splash: MM.



ECRIN BEST - A06 (495 g)

A special combined standard helmet, as the work-standard ECRIN ST, but with a stronger chin-strap conforming to the sport-standard (strength 50 DaN). This helmet protects against the risk of falling objects, and also against the risk of the helmet being knocked from the head in the case of the wearer falling. For use when it is important that the helmet stays on the head - a requirement that is addressed by the sport standard. The ECRIN BEST is certified CE as a protective helmet for work at height.





F > 50 DaN

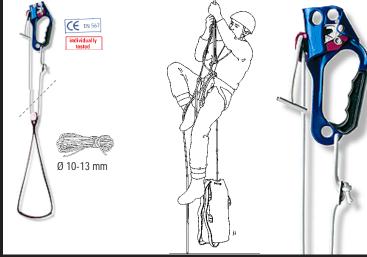


)	cm	53 ←→	63
	in.	21 🖚	25

POMPE - B10 (365 q)

The POMPE is an ASCENSION ascender. fitted with an adjustable footloop which has two pulleys in place. The POMPE allows for a new way of rope climbing which uses less effort than the classic technique: a third less effort! You will appreciate not losing height with each foot movement: the CROLL is held tight for the whole of the stepping up movement cycle. Thanks to the pulley system you never lift much more than two thirds your bodyweight.

The POMPE is easy to use and to adjust.



NAVAHO VARIO - C79 (1020 / 1100 g)

Work positioning belt and sit-harness in one. Has 2 side D-rings and one at the front, extra-wide padded leg loops and waist belt, and strong gear loops of thick webbing covered with a flexible plastic sheath. A nice feature of this harness is its patented DoubleBack buckle, which allows harness to be put on or removed quickly. Fully adjustable leg loops and waistbelt. Available in two sizes.







*	C 38 / C 79			
B	1 (S'L)		$50 \le B \le 65 \text{ cm}$ 19,7 \le B \le 25,6 inch	
A	2 (L'XXL)		$60 \le B \le 75 \text{ cm}$ 23,6 \le B \le 29,5 inch	

GRIGRI - D14 (225 q)

Ascender or descender depending on your need, the GRIGRI is a device through which the rope, moved slowly. slides freely. In case of sudden tension in the rope a capstan turns on its axis, traps the rope, and prevents it from sliding. Pay particular attention when you descend on a GRIGRI: braking is effected by holding the rope below the device, and not by the handle (which serves to unlock the rope). For use with single ropes. CE Certified as self-braking belay descender device.



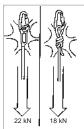




JANE - L50 60 (62 g) JANE - L50 100 (130 g) JANE - L50 150 (178 g) JANE - L50 200 (225 g)

The JANE is a lanyard made of dynamic rope with attachment loops sewn in each end. The stitching is compact and very strong, and is protected by a plastic sheath. This provides abrasion protection for the stitching and holds the carabiners in place. Comes in two lengths: 1 m and 2 m.





ZYPER - L55 (290 g)

Petzl's latest innovation for work on rope or cable, the ZYPER is a double lanyard with an energy absorber which reduces the shock load if the user falls.

The energy-absorption system and the sewn-rope technology are both Petzl patents.



GRILLON - L52-2 - L52-5 (420 g)

Lightweight and easy to adjust, the GRILLON is a lanyard for work positioning. It is identical to the JANE in design, but made of static rope. Adjusting the length is easy due to a special locking mechanism.



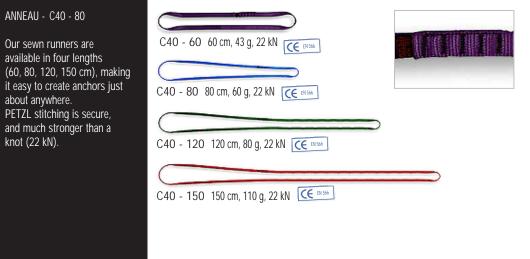


LONGE SECURITE P48 (560 g)

The JANE with a clip at one end. The large opening of the clip allows the user to connect to a cable (dia. < 75 mm) or to self-belay on open structures.







CONNEXION -C42

In rope-access work or rescue, you should keep an adjustable sling close at hand. For rigging litters, pick-offs, or creating anchors, it's always a useful item to have around.





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CONNEXION FAST

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C42 F, 10-150 cm (390 g)

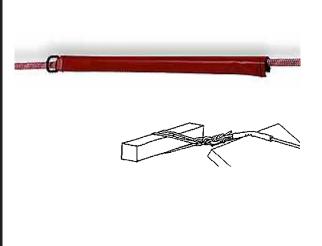
Previous

PROTEC - C45 (75 g)

This useful protector wraps around the rope and is secured with velcros.

A ring on one end allows attachment to a fixed anchor.

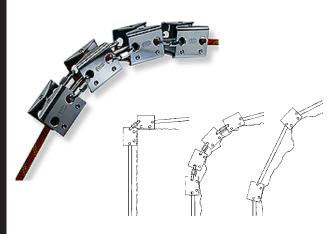
An essentiel item when working with fixed lines.



ROLL MODULE - P49 (1360 g)

One of the most versatile edge rollers on the market, the ROLL MODULE both re-directs and protects your rope. The linked modules conform equally well to the right angle of a roof edge or to a rock's irregular surface.

The rope (max. dia. < 16 mm) runs through smooth metal rollers, eliminating abrasion. The modules can be used singly, if needed. Not for use with cable.

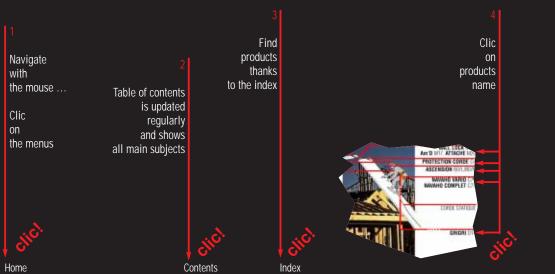


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Am'D BALL LOCK - M18 (84 g)

Uniting PETZL's new autolock system with the Am'D frame, the Am'D BALL LOCK offers quicker, one-hand operation and greater security for the user.











Am'D - M17 (85 g)

Screw gate carabiner with Dshaped, this carabiner uses the Keylock system and the safety indicator. Strength gate closed 28 kN, gate open 8 kN.











INDFX:

* = CLICK!

- Safety in the workplace ★
- ISO 9001 *
- Numbering of products ★
- Individual testing ★
- Work positioning ★
- Verticale life-line ★
- Work on Pylons ★
- Arborist ★
- Rescue from cables ★
- Fire and rescue service ★
- Line Rescue (ascent) ★





















ECRIN ST - A02 *

ECRIN BEST - A06 *

NAVAHO COMPLET - C77 🛨

NAVAHO COMPLET STERNAL - C71 🛨

NAVAHO VARIO - C79

BAOBAB *

LIGHT - C70 ★
FALCON - C38 ★

SECUR - C74 🛨

BERMUDE - C80 *

PITAGOR - C80BR 🛨

ASCENSION - B07L / B07R *

CROLL - B06 *

BASIC - B08 *

<u>POMPE - B10</u> ★

<u>Am'D - M17</u> ★
Am'D BALL LOCK - M18 ★

ATTACHE - M20 🛨

<u>OK - M70</u> ★

<u>GRIGRI - D14</u> ★ <u>STOP - D09</u> ★

ENERGYCA - C44 *****JANE - L50 100 / L50 200 *****

LONGE SECURITE - P48 ★

ZYPER - L55 *

GRILLON - L52 *

ANNEAU - C40 🛨

CONNEXION - C42 🛨

PROTEC - C45 🗶 ROLL MODULE P49 🗶

CŒUR GOUJON - P33 * LONG LIFE- P38 *

FIXE- P05 *****RESCUE - P50 *****

ROULETTE- P47 ★

ARBORISTS

are the chief concerns of today's arborist. Consequently, the safety gear he uses must not restrict the agility required for moving through the branches. In the course of a day's work, an arborist moves his body in many different ways: bending, hanging, climbing, sitting in odd places... Petzl gear makes it possible for him to perform these manœvres with the knowledge that his system is safe. It allows him to maintain apparently uncomfortable positions (like cutting up a branch below him) with relative ease and minimal risk of an accident.

Safety and freedom of movement

ECRIN BEST A06 **GRILLON L52** Am'D BALL LOCK M18 Am'D M17 ATTACHE M20 BAOBAB C69

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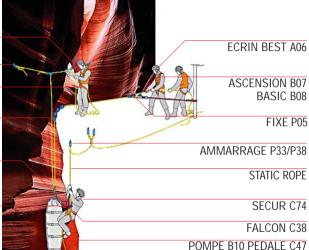
FIRE AND RESCUE SERVICE ECRIN ST A02 HUIT D02 LIGHT C70 Fire and rescue services have STOP D09 the job of rapid response in all ANNEAU C80-40 environments. Their technical capabilities have to be broad **ROLL MODULE P49** enough to cope with any rescue Am'D BALL LOCK M18 situation while safeguarding Am'D M17 BERMUDE C80 their own safety in extremely ATTACHE M20 PITAGOR C80BR difficult situations. They must have equipment ready to cope with the next emergency. STATIC ROPE Home Contents Index

RESCUE FROM CABLES In the case of malfunction of a cable-car system, rescuers must **ROULETTE P47** LONGE DE descend the cable to reach the SECURITE P48 cabins. They must work rapidly and efficiently in order to rescue ANNEAU C40-80 ECRIN ST A02 the passengers with maximum safety. Petzl has developed two STOP D09 products specifically for cable LIGHT C70 Am'D BALL LOCK M18, rescue - the ROULETTE P47 and Am'D M17, ATTACHE M20 a safety lanyard P48. The rescue triangle BERMUDE C80 and STATIC ROPE BERMUDE C80 STOP DESCENDER D09 allow the stranded people to be lowered **GRIGRI D14** quickly and efficiently. NAVAHO VARIO C79 SHUNT B03 Home Contents Index

LINE RESCUE (ASCENT) When an accident occurs on a cliff or down a shaft, rescuers

often need to raise the victim. Thanks to appropriate gear and well-honed techniques, they can effect rescues safely even in difficult conditions.





CROLL B06

ANNEAU C40-80

LONG-LIFE P38

BALL LOCK M18,

Am'D M17. ATTACHE M20

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LIGHT C70

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SECUR C74 FALCON C38

ECRIN BEST A06

ASCENSION B07

BASIC B08

FIXE P05

STATIC ROPE

BAOBAB- C69 (2100 g)

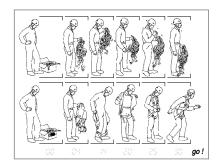
The BAOBAB is super-comfortable, thanks to its integral seat. Developed for arborists, it is equally well-suited to all types of vertical work. Two pairs of attachment points on the sides make your work easier. One pair is fixed, for attaching slings while the other (for tying into the rope) are adjustable, for greater comfort. A fully adjustable fall protection harness with a back attachment point. Two sizes.



LIGHT - C70 (1390 / 1480 g)

This innovative harness is incorporated into a vest so that it can be rapidly donned: in 30 seconds and you are ready to work. It has quick adjustable leg loops and shoulder straps thanks to the DOUBLEBACK buckle and front and rear attachment points. Available in two sizes.





	C 70 / C 76		
A Troom	1 (S-L)	A ≤ 100 cm A ≤ 39,4 inch	
	2 (L-XXL)	$95 \le A \le 120 \text{ cm}$ $37,4 \le A \le 47 \text{ inch}$	

FALCON - C38 (660 / 690 g)

An excellent all-purpose sit harness. Appropriate for rappelling and rescue. Adjustable, padded leg loops and waist belt provide maximum freedom of movement and comfort.

The FALCON can be fitted with a CROLL ascender and a chest harness SECUR. Available in two sizes.





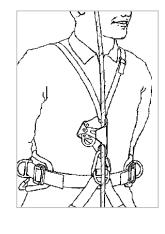
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	C 38 / C 79			
A B	1 (S'L)		$50 \le B \le 65 \text{ cm}$ $19,7 \le B \le 25,6 \text{ inch}$	
	2 (L'XXL)		$60 \le B \le 75 \text{ cm}$ 23,6 \le B \le 29,5 inch	

SECUR - C74 (120 g)

A comfortable shoulder strap made of wide webbing, which adjusts quickly to fit all sizes. Can be used to position a CROLL ascender. Attaches to the rear ring of the NAVAHO VARIO or FALCON with a girth hitch.





BERMUDE - C80 (700 g)

The BERMUDE rescue triangle is has two attachment configurations, to fit children as well as adults.

Exceptionally strong (22 kN).



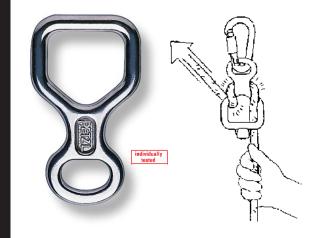
PITAGOR - C80BR (1360 g)

This new version of the rescue triangle features shoulder straps with rapid-adjust DOUBLEBACK buckles. Can be used as a rescue strap or as a harness. Adjustable waist and shoulders. High strength (23 kN).



HUIT - D02 (110 g)

Our figure-of-8 in high strength alloy with angles that limit the risk of inadvertent lark's foot formation.



RESCUE - P50 (190 g)

The RESCUE is very well engineered, light, yet designed for high loads. The sheaves are made from high strength aircraft spec. alloy, the ball-bearings are watertight. The triangular clip-in point takes up to 3 carabiners.



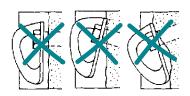
CŒUR GOUJON - P33 Ø 12 mm /fi 67 mm / 117g











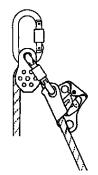
FIXE - P05 (90 g)

Ideal for hauling systems, this pulley is auto-lubricating, and may be used in conjunction with ascenders and oval carabiners as a pulley-brake. Strength 22 kN.









ROULETTE - P47 (1470 g)

Designed for cable rescue (maximum diam. 55 mm) the ROULETTE should be used together with a safety lanyard (ref. P48). Maximum working load: 5 kN. Breaking load: 30 kN.

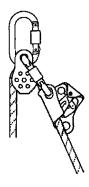


BASIC - B08 (150 g)

An ASCENSION without a hand-grip, the BASIC has the same performance. Its lightness and small dimensions make it ideal for rescue and hauling systems. It may also be used for self-belaying on fixed ropes.







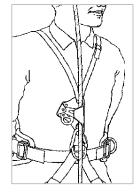


CROLL - B06 (145 g)

Designed for caving, the CROLL has found equal favour as a working and rescue tool. Ideal for long rope ascents, it is mounted between sit and chest harness, where its flat shape locates close to the chest. The Croll is not designed for self-belaying. It is ideal for use with the POMPE.









Ø 10-13 mm

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SAFETY IN THE WORKPLACE

PETZL IS ISO 9001 CERTIFIED

ARBORISTS

FIRE AND RESCUE SERVICE