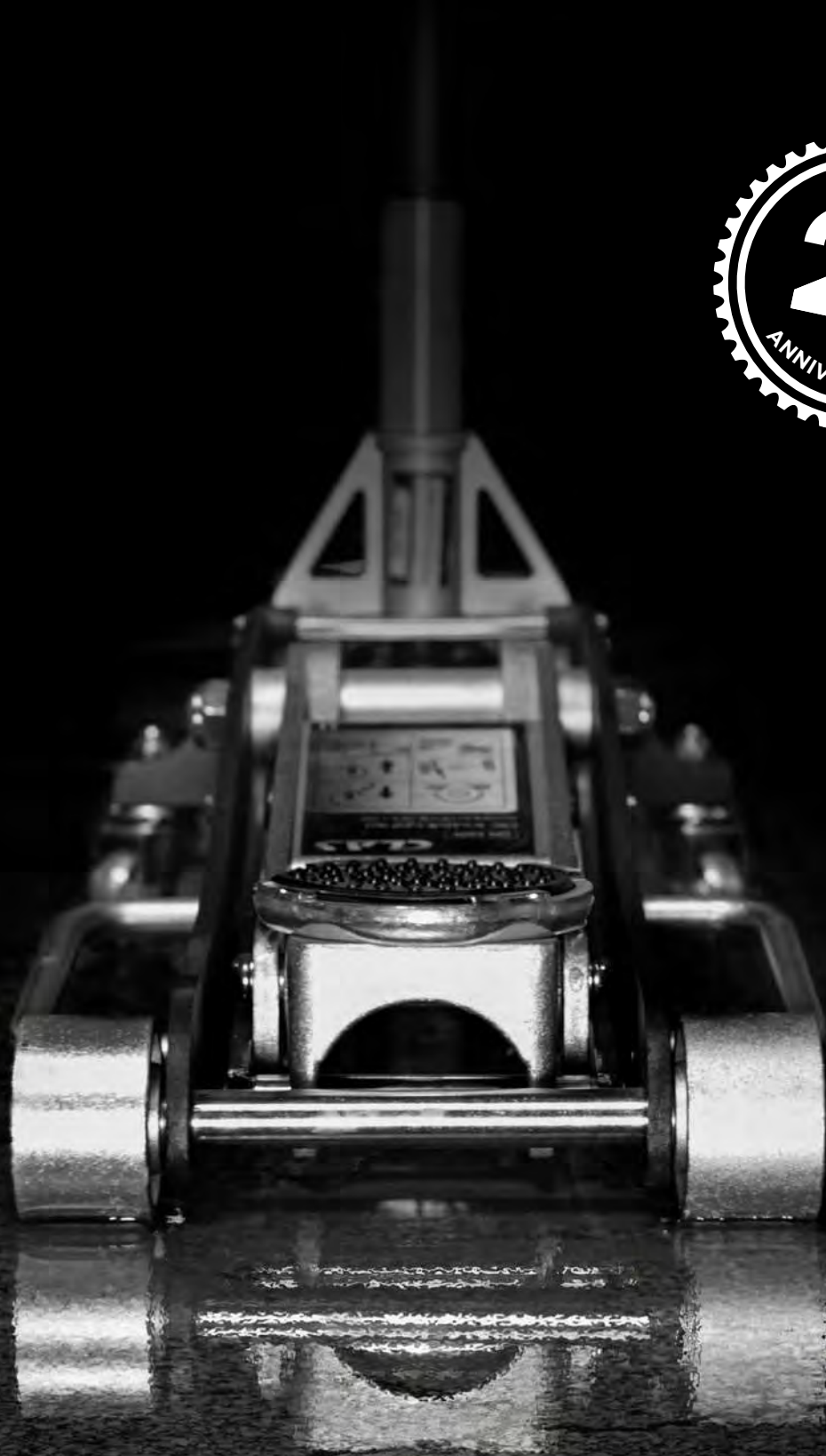


CLAS[®]
GARAGE SOLUTIONS



OUR VALUES



OUR SINCERITY

About our relationships
Transparency of exchanges
Time-bound



OUR PROXIMITY

By our accessibility
By listening to your needs
By our accompaniment



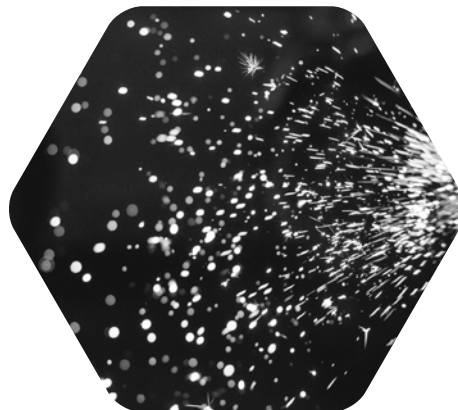
Discover us in
this video !





OUR SIMPLICITY

Our global solutions
About our business
About our organizations



OUR CREATIVITY

From our experts
Boldly
In pursuit of excellence

Our brand CLAS "Garage Solutions" based in Savoie (France), was created in 1996.

We have always been an innovative player in technical equipment and tools for light vehicles, commercial vehicles and heavy goods vehicles.

Today, we are evolving towards an ecosystem offering global solutions beneficial to all our partners.

We adapt to your needs and budgets, keeping it simple and responsive with expert, passionate men and women at the heart of digitalization at your service.

Strengthening our leadership in France, we are expanding to become a key international player.

IN BRIEF

SOME MAJOR EVOLUTIONS

What a year! Developments, major innovations at your service!

To improve our response to your needs, we have been working hard for the past 12 months!

CATALOG... A NEW BEGINNING!

The catalog renewal

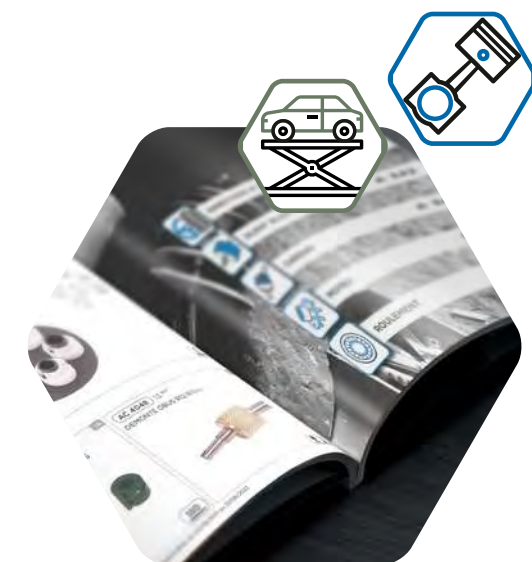
We have reviewed all our product categories for maximum simplicity.

There are **six main product groups** spread over **two universes**:

- on one side, all products dedicated to **workshop equipment**,
- on the other side, products dedicated to **vehicle repair**.

We have adjusted our product groups to better respond to your different activities and **follow the natural process of intervention**. Color codes and pictograms are here to guide you.

It will be much easier to discover our wide range of new products, more than 450 this year, from equipment to technical tools to hybrid and electrics, in an extensive and ever-expanding line-up.



B-LINE RANGE IN FULL (R)EVOLUTION



Combining budget and technicity for a non-intensive use, our B-Line range is expanded.

You will find more products, a wider range of solutions and many new developments.

You will discover these products along the catalog, as well as in a dedicated orange leaflet at the end of the catalog.

PARTNERSHIPS WHICH ARE CLOSE TO OUR SPIRIT

The Club Technique Auto, a corporate approach that is part of our DNA!

We are involved in technical trainings for professionals and learning centers, with the "Club Technique Auto", founded in association with brands SNR® and Elring®.

The aim of the CTA (Club Technique Auto) is to share our know-how by increasing the awareness of the to good practices by educating them to new technologies with the help of specific tools.

Several trainings have already taken place and many more are to come, follow us on club-technique-auto.com



Beyond educating! innovating!

We are always seeking new ideas and synergies, and in partnership with SNR®, we have developed new exclusive and innovative product solutions that meet the most demanding technical and durability requirements. Discover them in the "Bearing" or "CV joint" categories.

DIGITAL YOU SAID?!

Always increasing digitization

Over the last few years, we have increased our investment in the digitalization of the brand, a choice on our part but also because of the success we have achieved:

- more online orders
- process dematerializations (after-sales service, returns,...)
- increase of video supports: one year of CLAS goes live, technical videos, tutorials...

Be sure to visit our different social networks.

And even if the time is digital, don't forget that behind all this, there are **women and men at your service!**



IN BRIEF

ONE COMPANY - ONE TEAM!

Beyond a company, a team! In full growth...

CLAS "Garage Solutions" is a team of passionate **women and men**, experts, committed to supporting you.

To achieve this, we have consolidated in all departments of the company by hiring people who combine **know-how and expertise** while encouraging internal promotion.

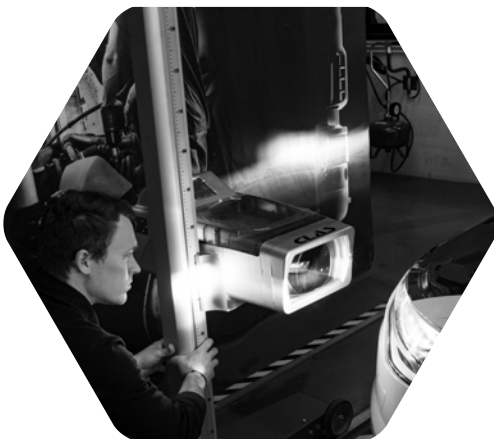


Choosing CLAS means buying a product and the service that goes with it.

Establishing a **long-lasting relationship** based **on trust** with each of our customers is one of our priorities. Every day, we do our utmost to meet your needs and offer you adapted SOLUTIONS that save you energy and time.

It is a story of tools but also **a story of MEN**.

IMPROVING & TESTING



Our team of technicians test our tools daily in real life situations.

Their experience allows us to remain in a dynamic of progressive and continuous improvement, to have ideas and to put them to the test in only a few hours...

Thanks to our real-life testing laboratory, we develop a strong link between our Sales and Technical departments, always with a view to offering relevant tools that meet real needs.



CONSUMABLES



DRILLING & THREADING

OM 0457

TN

10 PCS M14x125 INSERT SET



Stainless steel inserts.
Special spark plug thread.



OM 0458

TN

10 PCS M14x2.0 INSERT SET

Spare part of OM 0459



Stainless steel inserts



OM 0486 M5x0.8 INSERT SET

- Contents:
- drill Ø5.2mm
 - tap M5x0.8
 - running tool insert
 - 25 stainless steel inserts

OM 0487 M6x1.0 INSERTS SET

- Contents:
- drill Ø6.3mm
 - tap M6x1.0
 - running tool insert
 - 25 stainless steel inserts

OM 0488 M8x1.25 INSERT SET

- Contents:
- drill Ø8.3mm
 - tap M8x1.25
 - running tool insert
 - 25 stainless steel inserts

OM 0489 M10x1.50 INSERT SET

- Contents:
- drill Ø10.4mm
 - tap M10x1.5
 - running tool insert
 - 25 stainless steel inserts

OM 0490 M12x1.75 INSERT SET

- Contents:
- drill Ø12.4mm
 - tap M12x1.75
 - running tool insert
 - 25 stainless steel inserts

OM 0459 M14x2.0 INSERT SET

- Contents:
- drill M14.5
 - tap M14x2.0
 - running tool insert
 - 12 stainless steel inserts
 - length reported net mounted 20mmx4-15mmx4-10mmx4



TN



OM 0450

TN

M5-M12 INSERT SET

For repairing worn or damaged threading.
Inserts in stainless steel, highly resistant to breaking, corrosion and temperature.
Box made up of inserts from M5 to M12, helical drills, taps, assembly tools and tang breakers.

Contents:

- helical drills
- taps
- assembly tools
- tang breakers
- 12 inserts M5x0.8 (OM0452: 25 inserts)
- 12 inserts M6x1 (OM0453: 25 inserts)
- 12 inserts M8x1.25 (OM0454: 25 inserts)
- 12 inserts M10x1.50 (OM0455: 25 inserts)
- 12 inserts M12x1.75 (OM0456: 10 inserts)

OM 0452 25 PCS M5x0.8 INSERT SET

OM 0453 25 PCS M6x1 INSERT SET

OM 0454 25 PCS M8x1.25 INSERT SET

OM 0455 25 PCS M10x1.50 INSERT SET

OM 0456 10 PCS M12x1.75 INSERT SET



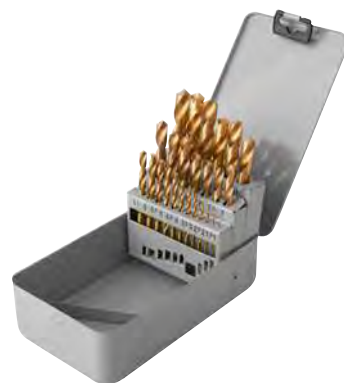
TN

EG 0670BL

25PCS DRILL SET HSS4241

B.LINE**Contents:**

- drills from 1.0 to 13.0mm, every 0.5mm

**NO
WARRANTY**

TN

EG 0680

25PCS DRILL SET HSS COBALT 5%

Contents:

- drills from 1.0 to 13.0mm, every 0.5mm
- material: Cobalt HSS 5%

**NO
WARRANTY**

TN

EG 0671BL

170PCS DRILL SET HSS4241

B.LINE**Contents:**

- 10 drills from 1 to 8mm, every 0.5mm
- 5 drills from 8.5 to 10mm, every 0.5mm

**NO
WARRANTY**

TN

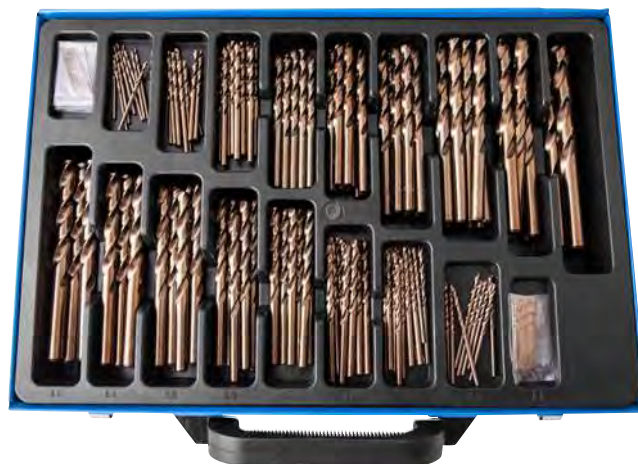
EG 0681

170PCS DRILL SET HSS COBALT 5%

Contents:

- 10 drills from 1 to 8mm, every 0.5mm
- 5 drills from 8.5 to 10mm, every 0.5mm

Material: Cobalt HSS 5%

**NO
WARRANTY**

WORKSHOP DEVICE

CO 0525

E TYPE EXTERNAL CIRCLIP SET 1.5-22mm (300 PCS)

Contents:

- 1.5mm x30
- 3mm x30
- 5mm x40
- 6mm x50
- 10mm x50
- 12mm x40
- 15mm x20
- 19mm x20
- 22mm x20



NO
WARRANTY

TN

CO 0527

3-32mm EXTERNAL CIRCLIP SET (300 PCS)

Contents:

- 3mm x20
- 4mm x10
- 5mm x15
- 6mm x25
- 8 mm x15
- 9mm x20
- 11mm x15
- 12mm x15
- 13mm x25
- 14mm x15
- 16mm x20
- 19mm x25
- 20mm x15
- 22mm x20
- 25mm x15
- 26mm x15
- 28mm x10
- 32mm x5



NO
WARRANTY

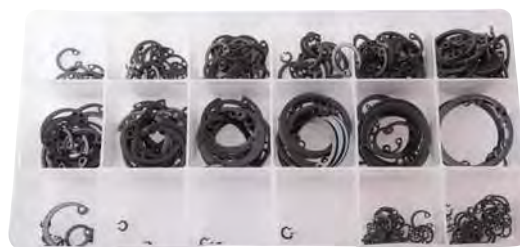
TN

CO 0526

3-32mm INTERNAL CIRCLIP SET (300 PCS)

Contents:

- 3mm x20
- 4mm x10
- 5mm x15
- 6mm x25
- 8 mm x15
- 9mm x20
- 11mm x15
- 12mm x15
- 13mm x25
- 14mm x15
- 16mm x20
- 19mm x25
- 20mm x15
- 22mm x20
- 25mm x15
- 26mm x15
- 28mm x10
- 32mm x5



NO
WARRANTY

TN

EG 0525

419 PIECE O-RING JOINT SET

Contents:

- | | | |
|-----------------|-------------------|-------------------|
| 20pcs. 3x1.5mm | 14pcs. 16x2.5mm | 10pcs. 28x3.5mm |
| 20pcs. 4.4x2mm | 14pcs. 18x2.5mm | 10pcs. 30x3.5mm |
| 18pcs. 5x2mm | 13pcs. 19x2.5mm | 10pcs. 31x3.5mm |
| 23pcs. 7x1.5mm | 14pcs. 21x2.5mm | 10pcs. 33x3.5mm |
| 23pcs. 10x1.5mm | 13pcs. 22x2.5mm | 10pcs. 34.5x3.5mm |
| 23pcs. 13x1.5mm | 10pcs. 18x3.5mm | 10pcs. 36x3.5mm |
| 14pcs. 10x2.5mm | 10pcs. 20x3.5mm | 10pcs. 38x3.5mm |
| 13pcs. 11x2.5mm | 10pcs. 22x3.5mm | 10pcs. 41x3.5mm |
| 14pcs. 13x2.5mm | 10pcs. 23.5x3.5mm | 10pcs. 44x3.5mm |
| 13pcs. 14x2.5mm | 10pcs. 25x3.5mm | 10pcs. 47x3.5mm |
| | 10pcs. 26.5x3.5mm | 10pcs. 50x3.5mm |



NO
WARRANTY

TN

CO 0401

5 230g MICROFIBERS SET 380x380mm



NO
WARRANTY

CO 1530

5L CONTAINER OF
BRAKES CLEANER

Accessory of EG 1530



5
L NO
WARRANTY

SA 7070

TUB OF ULTRASOUND CLEANING
SOLUTION CONCENTRATE 25% 2l

Accessory of OE 7201/OE 7200/OE 7100



2
L NO
WARRANTY

SA 6022

CLEANING SOLUTION

Accessory of OP 0022/OP 0024

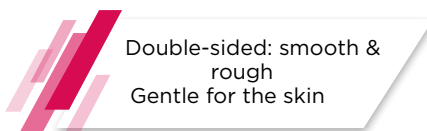


2
L NO
WARRANTY

2l can.
To mix with water (25%).

CO 0500

90 CLEANSING WORKSHOP WIPES



Double-sided: smooth &
rough
Gentle for the skin

Specially designed to clean the hands without rinsing, wiping or residues; the wipes also allow you to clean mechanical parts, tools, workbenches, bodywork, alloy wheels, instrument panels...etc

Specifications:

- double-sided: smooth & rough
- plant-based solvents with high detergent qualities
- paraben-free
- packed in a bucket with carry grip handle



NO
WARRANTY

SA 6614

SYNTHETIC SAND CARDBOARD 25kg

Accessory of OP 0615/OP 0617/OP 0618

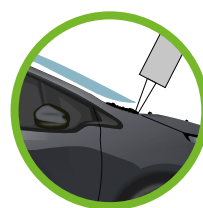
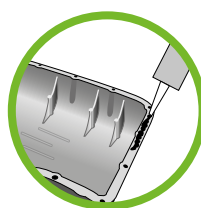
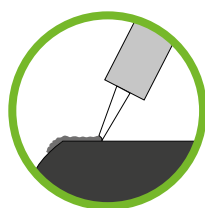


Specifications:

- grain size 0.2 / 0.5mm
- reinforced cardboard with double handle
- box size: 30x30x40cm
- gross weight: 27Kg
- net weight: 25Kg

NO
WARRANTY

GLUE



GLUE / MS POLYMERE SEAL

REF	Color	Direct application bare steel, alu, plastic, paint and glass	Tear strength	Elongation to failure	Wet on wet painting	UV resistant
CO 1022 CO 1047 CO 1048	White Grey Black	•	21 N/mm ²	450%	•	•
CO 1034 CO 1057 CO 1058	Black Beige Grey	•	7,7 N/mm ²	250 %	•	•
CO 1041	Black	•	26 N/mm ²	350 %	•	•

GLUE

REF	Base	Color	Texture	Direct application bare steel, alu	Direct application plastic and painting	Application glass	Breaking strength	Application time	Temps de séchage
CO 1022	Elastomère	Black	Pasty	•	•	•	<400%	20 min	45 min
CO 1046	Epoxy	Grey	Solid	•			20 Nm	3 min	10 min
CO 1023	Néoprène	White	Spray	•	•		35Kg/cm ³	1 min	1 h
CO 1024	Polyuréthane	Black	Pasty	•	•	•	20 N/mm ²	1 min	5 min
CO 1032	Cyanoacrylate	Transpa- rent	Semi- liquid	•	•	•	18 Nm	Direct	30 s

Permits adhesion of spoilers, vehicle undersides, flat crimping, application of mastic to painted steel plates...etc
Can be painted straight after application.
Adheres to steel, aluminum, stainless steel, wood, concrete, stone, gelcoat, polyester, glass, lacquers and treated paint.

Latest generation MS polymer adhesive cartridge allows you to achieve all types of seals and adhesion with no mechanical assembly required.
Easy to apply, it provides an elasticity level of 300% while guaranteeing a traction force greater than 2.7N/mm².



Adhesion without
primer on metallic
surfaces

Specifications:

- elastomer: 300% elasticity
- touch dry: 5-10min
- without solvent

Also available in box of 12

CO 1022

WHITE GLUE AND MASTIC
CARTRIDGE 310ml

CO 1047

GREY GLUE AND MASTIC
CARTRIDGE 310ml

CO 1048

BLACK GLUE AND MASTIC
CARTRIDGE 310ml



**CO 1023****MULTI-FUNCTIONAL GLUE SPRAY 400ml**

Allows headliners, trims, rods, engine foams, upholstery, vinyl, carpet to be glued...

High-adhesion spray for a wide range of uses with high initial resistance. The glue's adhesion properties develop quickly and it is extremely water resistant and long-lasting.

Also available in box of 12

With no filament, it remains flexible after drying

**CO 1046****MASTIC REPAIR BAR TO MODEL METAL 57g**

Allows repairing broken metal, sealing a radiator, recreating fixing brackets, rethreading on all types of metals...

Wait 1 hour before drilling, tapping, sanding, painting...

Specifications:

- thermal resistance: 150°C
- water and hydrocarbon resistant
- drying time: 10min to the touch, 3h to the core

Can be drilled, tapped, threaded, filed, painted...

**CO 1041****SCREEN ADHESIVE CARTRIDGE 290ml**

Permits adhesion of screens, rear windows, side windows etc.

Crash Test Approval
Fast drying 1h

Remains adhesive in water, ideal to seal leaks. The stability of the adhesive avoids any risk of the strip collapsing. Immediate suction effect when the windscreen is affixed so it is not necessary to block or strap it in.

Drying in 1 hour: the vehicle, even equipped with airbags can be released. Integrated primer allowing direct application: time saving on the glass replacement operation.

Specifications:

- MS polymer
- integrated primer
- application width 10 to 14mm
- drying: 2 hours at heart (at 20°C)
- hardness: SHORE 60

Also available in box of 12

**CO 1020****BLACK SEALANT CARTRIDGE -40/+250 DEGREES 200ml**

Allows joints to be sealed (sump, water pump, gearbox) and mechanical parts (fuel pumps, carburetors).

Resistant to hydrocarbons

Specifications:

- elastomer: 400% elasticity
- resistant to high temperatures (250°C)
- drying by touch: 20min
- vacuum package, with trigger

Also suitable for sealing headlights and electrical connections. Even adhesive in oil. Slow skin formation (20 minutes) to work serenely during major operations (gear box turning type).

Also available in box of 12



CO 1032

SUPPLE SUPER GLUE 20g



Particularly adapted for sticking on interior rear-view mirrors.
Quick connection.



Rapid and instantaneous adhesion

Applications: fabrics, plastic, rubber, metal, elastomer, wood...etc
Universal cyano-acrylate glue, high viscosity

Also available in box of 48



TN

Prevents assemblies subject to vibrations from unscrewing.
Affixes screws/bolts and various threads while allowing easy removal (using tools).

CO 1039

STRONG THREAD LOCK 10ml

CO 1038

MEDIUM-STRENGTH THREAD LOCK 10ml



Also available in box of 48



TN

Easy to install, giving an optimal result. Ideal for application on bare metal.
This cutting-edge product can be applied wet-on-wet to obtain an optimal anti stone-chip effect in record time.

Adheres to all surfaces Anti-corrosive, may even be applied to bare metal
High density: load up to 5mm in a single movement
Also permits the reproduction of seals which were originally sprayed and crimped seals

Also available in box of 12



CO 1057

ANTI GRAVEL MS POLYMER BEIGE CARTRIDGE 310ml



CO 1058

ANTI GRAVEL MS POLYMER GREY CARTRIDGE 310ml



CO 1034

ANTI GRAVEL MS POLYMER BLACK CARTRIDGE 310ml



TN

CO 1024

BLACK STRUCTURAL GLUE 50ml

Accessory of OC 1024

Specially for plastic, this glue is perfectly suited for quick adhesion to plastic, metal, glass, wood, stone...

Allows you to create material to repair window screens, rods, headlight brackets, rear-view mirror brackets.

Can be sanded, ground, drilled, tapped and painted.



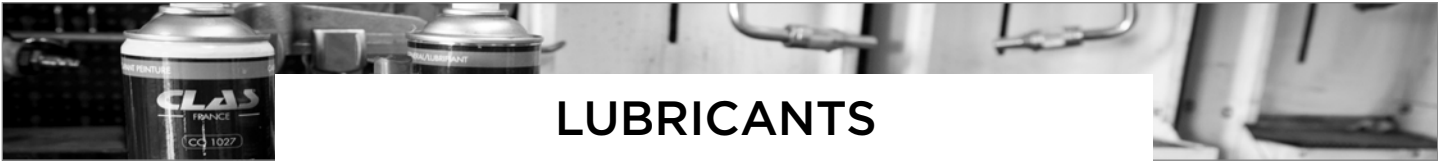
Ideal for plastic repair

Specifications:

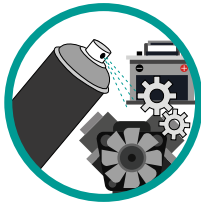
- time required for structuring: 1min
- time required for drying: 5min
- 2K polyurethane glue

Also available in box of 48





LUBRICANTS



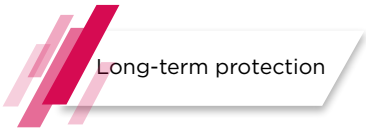
REF	Base	Color	Texture	Dry lubrication	Oily lubrication	Protect	Unlock	Water-proof
CO 1030	Silicone	Transparent	Liquid	•	•	•		•
CO 1026	Graphite	Transparent	Liquid		•	•	•	•
CO 1025	Oxygenated solvent	White	Foam		•		•	
CO 1031	Teflon	White	Liquid	•				•
CO 1049	Dielectric	Transparent	Liquid			•		•

CO 1026

TN

SUPER RELEASING GRAPHITE SPRAY 400ml

Thanks to its very low surface tension graphite formula, this super releasing spray penetrates deeply to erode rust, leaving a protective graphite film. Facilitates future removal.



Releases and protects, minimizes friction and stops rust.

Also available in box of 12



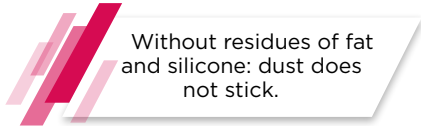
CO 1031

TN

LUBRICANT TEFLON SPRAY 500ml

Allows parts to be lubricated which cannot be greased in order to avoid dust sticking to them. Also allows for the maintenance of rubber and plastics.

Also available in box of 12



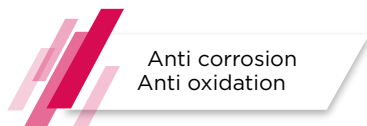
Effective between -50 and +250°C.



CO 1030

LUBRICANT SILICONE UNIVERSAL
SPRAY 500ml

The funnel is held firmly in place on the bottle to be filled with its automatically adjustable clamp, which limits the risk of spilling liquid.



Also available in box of 12



CO 1049

ELECTRIC SPRAY CLEANER 400ml

Cleans and protects electrical connectors.
Dissolves corrosion.
Eliminates false contacts, leakage currents and reduces voltage drops.
Improves productivity.



Also available in box of 12

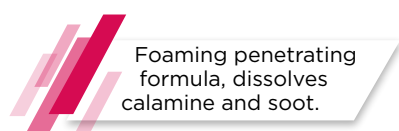


CO 1025

INJECTOR/GLOW PLUG RELEASER
500ml

Accessory of OP 9210

Allows injectors and glow plugs which have seized up due to calamine and soot to be released.
Can also be used to clean turbos, EGR valves and exhausts.



Also available in box of 12



EG 8006

MAGNETIC SPRAY CAN AND
SCREWDRIVER HOLDER

With strong magnets to firmly stick on metal tool boxes, this holder is made to hold 3 spray cans and 7 screwdrivers.
This holder is designed to allows the users creating new storage areas.



TIRES



CO 1037

TIRE MOUNTING GREASE SPRAY 400ml

Allows all types of tires to be greased to facilitate their installation. Highly cost-effective thanks to its aerosol application; on average you will be able to fit 100 tires with one aerosol. It is no longer necessary to use a paintbrush or other brush, meaning that your work is cleaner.



In an aerosol: does not
dry once it is opened
1 spray = ~100 tires



Grease which can be pulverized allowing easy dosing and precise application on the tire.
Ensures that the tire can be rapidly and precisely centered on the wheel rim thanks to its lubricating power
Quick-drying to avoid rotation on the wheel rim
Invisible and does not leave traces on the tire or the wheel rim
Limits corrosion and the tire sticking onto the wheel rim

Also available in box of 12



DM 1303

TRANSLUCENT TIRE MOUNTING CREAM 5kg



Does not freeze, does
not dry in the pot

Ensures fast & precise centering of the tire on the rim thanks to its superior lubricating power
Easy and precise application with brush
Keeps its lubricating power even if the pot stays open
Fast drying avoiding any rotation on rim
Invisible, leaves no traces on the tire or the rim
Limits corrosion formation and tire sticking on the rim

Specifications:

- non-irritating (chemically neutral)
- hardly flammable
- does not damage rubber
- does not damage paints
- suitable for any tire type

Following the 67/548/CEE and 1999/45/CE directives, this translucent mounting cream is not classified as a dangerous product and does not contain substances presenting danger.



OIL DRAINING

CO 1090

PLASTIC DRAIN PLUG FORD/PSA



Ford: C-Max, Focus, Galaxy, Kuga, Mondeo, S-Max
 Peugeot: 308, 508, 3008, 5008, Traveller
 Citroën: C4, C5, DS4, DS5, Jumpy, SpaceTourer
Engines: 2.0 TDCI >2014, 2.0 HDI >2009



TN

CO 1091

PLASTIC DRAIN PLUG FORD



Ford: Transit, Tourneo Connect, Fusion, Mustang, Edge,
 F-150/250/350/450/550 Super Duty
 Lincoln: MKX
Engines: 1.0 EcoBoost, 1.6 EcoBoost, 1.5 TDCI, 1.6 TDCI
 1.5, 2.0, 2.3, 2.5, 2.7, 3.5, 3.7, 5.0, 5.2 Petrol
 6.2, 6.7, 6.8 Fuel



TN

CO 1092

PLASTIC DRAIN PLUG BMW



BMW: F07, F10, F11, F18, F20, F21, F22, F23, F30, F31, F32, F33, F34,
 F35, F36, F80, F82, F83, F87, E84, E89
Engines: 1.6 N13, 1.6 N20, 2.0 N20, 2.0 N26



TN

CO 1093

PLASTIC DRAIN PLUG VAG



Audi: A1, A3, A4, A5, A6, A7, Q3, Q5, Q7, TT, TTS
 Volkswagen: Polo, Jetta, Golf, Passat, Touran, Sharan, Tiguan,
 Scirocco, Beetle, Caddy
 Seat: Ibiza, Leon, Alhambra, Toledo
 Skoda: Octavia, Superb, Rapid, Yeti

Engines: 1.8, 2.0 TSI/TFST, 1.6 TDI, 2.0 TDI



TN

ADDITIVES



REF	Environment	Filling	Preventive	Curative	Max. dilution ratio
CO 1010	Diesel	Fuel tank	•	•	1 bottle/80L
CO 1005	Petrol	Fuel tank	•	•	1 bottle/80L
CO 1009	Engine oil	Oil filling	•	•	1 bottle/12L
CO 1015	Engine oil	Oil filling	•	•	1 bottle/6L
CO 1017	Engine oil/gearbox	Oil filling	•	•	1 bottle/5L
CO 1011	Diesel	Fuel tank	•	•	1 bottle/80L
CO 1012	Cooling system	Bocal LR	•	•	1 bottle/8L
CO 1013	Cooling system	Bocal LR		•	1 bottle/5L
CO 1014	Engine oil	Oil filling		•	1 bottle/5L
CO 1016	Gearbox	Oil filling		•	1 bottle/3L
CO 4065	A/C	A/C	•	•	1 bottle/1 circuit
CO 4070	A/C	A/C	•	•	1 bottle/1 circuit

CO 1013

300 ml COOLING SYSTEM CLEANER

High performance curative cleaner for descaling and cleaning cooling circuits.

Removes deposits and limescale from pipes, hoses and radiators.
Removes a protective layer against rust and corrosion.
Renovates thermostat gaskets and relieves water pumps.

Dilution: 6 to 7.5% (one bottle for 4 to 5L of coolant)

Also available in box of 24



TN

CO 1012

300ml RADIATOR LEAK SEALER



Exclusive gel formula
with flakes of aluminum
incorporated

Plugs leaks in the coolant circuit, ensures
the radiators and water pumps are
leakproof and avoids overheating.

Treats 4 to 8L of liquid.

Also available in box of 24



TN

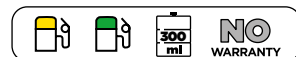
CO 1014

300 ml ENGINE LEAK STOP



Additive to stop oil leaks and seepage on
diesel, petrol and LPG engines.
Compatible with mineral, semi-synthetic
and synthetic oils.
Does not clog the oil circuit.
Long-lasting effectiveness.

Also available in box of 24



TN

**CO 1015****300ml ENGINE CLEANER BEFORE DRAINING**

High performance preventive and curative cleaner for oil circuits.

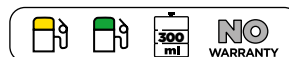
Functions:

- dissolves scale, filings and other dirt to facilitate their evacuation during emptying
- cleans pushers and pistons, reduces slamming
- reduces polluting emissions
- ensures turbo longevity
- fluidifies oil for easy oil change while cleaning circuits and eliminating deposits
- dilution: 5% (one bottle for 6L of oil)

Use before emptying and filling with new oil.

Engine cleaner after emptying: CO1009

Also available in box of 24

**CO 1011****DPF CLEANER 375ml**

Helps the particulate filter to regenerate.

No need to remove the DPF.

Reduces the quantity of trapped particles by lowering their combustion temperature.

The DPF cleanser can be used both as a preventative and curative measure.

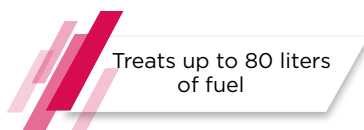
When used as a preventative measure it will allow you to regenerate your DPF in order to avoid it becoming blocked.

If you have never treated your vehicle before and if the first symptoms of exhaust malfunction are appearing, the DPF cleanser will allow you to deep clean the system (unblocking guaranteed when the system is blocked by up to 45 %).

Specifications:

- unblocks clogged DPFs up to 45%
- comply with the dosing instructions
- dosing: preventive 0.47% (1 for 80l), curative 0.75% (1 for 50l)

Also available in box of 24

**CO 1017****300 ml ANTI-FRICTION ENGINE/GEARBOX**

Preventive and curative anti-friction for engines and gearboxes.

Reduces friction and provides a wear-resistant coating for long engine life.

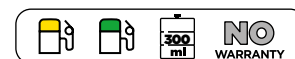
Revives gaskets.

Dilution:

- engine: 6 to 7.5% (one bottle for 4 to 5L of engine oil)
- gearbox: 10% of the oil volume

Optimum efficiency after using the engine cleaner before draining (CO1015)

Also available in box of 24

**CO 1016****50 ml GEARBOX LEAK STOP**

Effectively stops gearbox oil leaks, protecting them against insufficient lubrication and possible breakage.

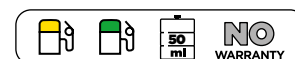
Suitable for all types of manual gearboxes, transfer cases and differentials.

Specifications:

- revives seals and sealing rings
- reduces wear and tear
- ensures optimal lubrication
- prevents oil oxidation

Do not use for automatic transmissions and integrated oil bath clutches.

Also available in box of 24



**CO 1009****ENGINE OIL TREATMENT 300ml**

High performance preventive and curative treatment for oil circuits.
Cleans parts in contact with oil, improves combustion, reduces friction and deposits a wear-resistant coating on all petrol and diesel engines.
Revives gaskets.

Engine cleaner before emptying: CO1015

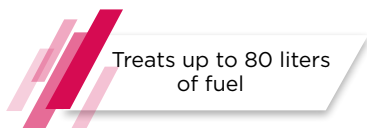
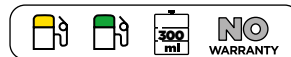
Use after draining and filling with new oil.

Ensures smooth operation, good efficiency and long engine life.

Dosage:

- gearboxes: 10% of the oil volume
- engines: 2,5-3% of the oil volume

Also available in box of 24



Also available
in box of 24

The injection cleaner can be used both as a preventive measure (to protect the injection circuit) and as a curative measure.

- preventive use: 1 bottle for 80l
- curative use: 1 bottle for 40l

If you have never treated your vehicle before and if the first symptoms of injection malfunction are presenting themselves, the injection cleanser will allow you to deep clean the system.

CO 1005**PETROL INJECTOR CLEANER 300ml**

High-performance fuel treatment:

- dissolves polluting deposits (calamine, gum, varnish...) for clean combustion for optimal performance
- lubricates and protects cylinders
- cleans the injection system

**CO 1010****DIESEL INJECTOR CLEANER 300ml**

High-performance fuel treatment for direct injection diesel engines, common rail...

- dissolves polluting deposits (calamine, gum, varnish, combustion residues...) for clean combustion for optimal performance
- lubricates and protects mobile parts in diesel engines
- facilitates cold-starts
- cleans the injection system



Specially designed to thoroughly clean your engine.

Reduces pollutant emissions and meets the requirements of technical inspections.

A specific cleaning solution for the oil circuit and a specific solution for the fuel circuit.

Can be used without disassembly, as a preventive or curative measure.

Optimal result after 300km

CO 1007**PETROL TECHNICAL CONTROL PACK****Contents:**

- CO1009: engine oil treatment 300ml

High performance preventive and curative treatment for oil circuits.

Cleans parts in contact with oil, improves combustion, reduces friction and deposits a wear-resistant coating on all petrol and diesel engines.

Revives gaskets.

- CO1005: gasoline injector cleaner 300ml

High performance fuel treatment: dissolves polluting deposits (calamine, gum, varnish...) for clean combustion at optimal efficiency. Lubricates and protects cylinders.

CO 1008**DIESEL TECHNICAL CONTROL PACK****Contents:**

- CO1009: engine oil treatment 300ml

High performance preventive and curative treatment for oil circuits.

Cleans parts in contact with oil, improves combustion, reduces friction and deposits a wear-resistant coating on all petrol and diesel engines.

Revives gaskets.

- CO1010: diesel injectors cleaner 300ml

High performance fuel treatment for diesel engines with direct injection, common rail, pump duse...

Dissolves polluting deposits (calamine, gum, varnish, combustion residues...) for clean combustion at optimal efficiency.

Lubricates and protects moving parts of diesel engines. Makes cold starting easier.



AIR CONDITIONING

CO 4074

AIR CONDITIONING TRACER SPRAY CLEANER 400ml



Allows to remove the traces left by the tracer in the engine enclosure. Facilitates the detection of a new leak.



CO 1019

AIR CONDITIONING CIRCUIT CLEANER 400ml



Cleans air-conditioning circuits and eliminates bacteria/germs. Enough to clean the system approx. 3 times.



Antibacterial/
deodorizing

The product is suitable for treating the air conditioning ducts by removing the bacteria, mould and impurities which are found there. It is easy to use and is sprayed out using the air vents. You will once again be able to operate your air conditioning system after 15 minutes.

Also available in box of 12



Virucide standard EN 14476

CO 1063

VIRUCIDE AIR CONDITIONING PERCUTABLE CLEANER 125ml



NEW

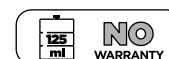
Specially designed to sanitize the cabin by disinfecting and deodorizing aircon systems. Easy to use thanks to the diffuser.

Allows you to sanitise, disinfect and deodorise the ventilation systems of light commercial vehicles.

This «One shot» procedure guarantees a quick and efficient treatment. Virucide: EN 14476+A2 in 30 minutes on all viruses (including enveloped viruses in 10 minutes: H1N1 and coronavirus, adenovirus, norovirus and rotavirus), in dirty conditions.

Specifications:

- bactericidal standard EN 1276 and EN 13697
- fungicidal standard EN 1650 and EN 13697
- neutralizes odours
- physical state: aerosol
- vapour pressure (50°C): higher than 300 kPa (3 bar).
- density: < 1
- soluble
- UFI: XWAW-EDMC-9VOD-AN2X
- fragrance menthol

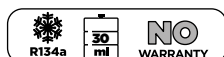


CO 4065

AIR CONDITIONING LEAK STOP FOR R134a 30ml



Allows plugging micro-leaks in metal parts, hoses and joints. Saves time on hard-to-access leaks.

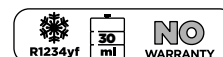


CO 4070

AIR CONDITIONING LEAK STOP FOR R1234yf



Allows plugging micro-leaks in metal parts, hoses and joints. Saves time on hard-to-access leaks.



**CO 4079**

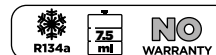
12 SYRINGE TRACER PACK 7,5ml FOR
HYBRID VEHICLE



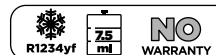
1 syringe = 1 test

**CO 4077**

12 SYRINGE TRACER PACK 7,5ml FOR
R134aa GAS

**CO 4078**

12 SYRINGE TRACER PACK 7,5ml FOR
R1234 GAS

**CO 4068**

UNIVERSAL AIR CONDITIONING TRACER BOTTLE 250ml

Compatible with all gases: R12, R134, R1234YF

**CO 4069**

HYBRID VEHICLES AIR CONDITIONING
TRACER BOTTLE 250ml

Specially developed for air conditioning systems with electric
compressors (hybrid vehicles...)



UNIVERSEL



PAG lubricant. All gas compatible.
For mechanical and electric Sanden
compressors (hybrid vehicles).

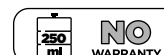
NEW

CO 4081

UNIVERSAL AIR CONDITIONING
LUBRICANT 1L PAG

**CO 4099**

UNIVERSAL AIR CONDITIONING
LUBRICANT POE 80 250ml



R1234yf



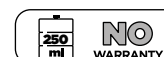
NEW

CO 4096

AIR CONDITIONING LUBRICANT
PAG 46 250ml - R1234YF

CO 4097

AIR CONDITIONING LUBRICANT
PAG 100 250ml - R1234YF





R134a
PAG



R134a
POE

TN

CO 5003

AIR CONDITIONING LUBRICANT
PAG 46 250ml - R134a

CO 4093

AIR CONDITIONING LUBRICANT
PAG 46 1L - R134a

CO 5004

AIR CONDITIONING LUBRICANT
PAG 100 250ml - R134a

CO 4094

AIR CONDITIONING LUBRICANT
PAG 100 1L - R134a

CO 4095

AIR CONDITIONING LUBRICANT
PAG 150 1L - R134a

NEW



CO 5001

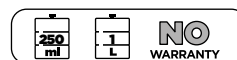
AIR CONDITIONING LUBRICANT
POE 68 250ml - R134a

CO 4098

AIR CONDITIONING LUBRICANT
POE 68 1L - R134a

CO 5002

AIR CONDITIONING LUBRICANT
POE 100 250ml - R134a



AC 4024

AIR CONDITIONING MAINTENANCE TOOL SET
FOR FRENCH VEHICLES (214 PCS)

Set of seals, plugs and valves for all
basic maintenance of air conditioning
systems.

Components available at retail.



NOTE

Find our other maintenance
kits p.323



TN

**NO
WARRANTY**

SA 6500

PH NEUTRAL
AEROSOL LEAK
DETECTOR

Accessory of AC 1014



TN

SA 1090

1kg NITRO-TRACE
CYLINDER (N2-H2)

1kg: Nitrogen 95% and
hydrogen 5%



TN

SA 1092

2.2kg NITRO-TRACE
CYLINDER (N2-H2)

Nitrogen 95% and
hydrogen 5%



TN

PAINTING

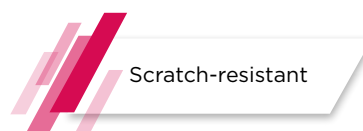


REF	Color	Direct application on bare steel	Direct application on aluminum	Direct application on plastic	Direct application on paint	Direct application on polyester mastic
CO 1033	Black	•	•		•	•
CO 1035	Transparent	•	•		•	
CO 1003	Black			•	•	•
CO 1001 CO 1042 CO 1043 CO 1044	Dark grey Light grey White Black	•	•	•	•	•
CO 1002	Transparent			•		•
CO 1004	Transparent				•	

REF	Shine level	Mix	Layers	Thickness	Air drying	Water sanding	Yield per m ²
CO 1001	-	2 to 3 min	1 layer	80 µ	30 min	P600-P800	1.5
CO 1002	-	1 min	1 layer	2 µ	10 min	-	2.5
CO 1033	-	2 to 3 min	1-2 layers	80 µ	60 min	-	1.5
CO 1035	-	2 to 3 min	1-2 layers	180 µ	60 min	P600-P800	1
CO 1004	90%	2 to 3 min	1-2 layers	20 µ	30 min	-	3
CO 1003	20%	2 to 3 min	1-2 layers	40 µ	30 min	-	2

CO 1003

BUMPER STRUCTURING SPRAY MEDIUM GRIT 400ml

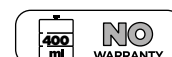


Allows the irregular granular effect of bumpers to be reformed and masks plastic fillings, welds and repairs.
High covering power.

Specifications:

- medium grit
- black color

Also available in box of 12



CO 1035

NO RUST SPRAY 400ml

TN



Stops rust developing on bodywork and running gears.
For preventative and curative use.



Transparent

If the surface does not require sanding and the rust is superficial, the rust prevention spray will let you «stabilize» the rust in order to stop it from spreading. You can then have the surface painted as it is. If your surface has not yet been attacked by rust, you can use this spray as a preventative measure in order to protect it.

Also available in box of 12



CO 1033

ANTI STONE-CHIP SPRAY 400ml

TN



Anti stone-chip spray which allows you to almost exactly reproduce fine and medium anti stone-chip effects. Its thick formula will offer real protection to the mount you wish to treat with quick and easy application.



Exclusive thick formula, remains supple after drying

Forms an elastic, wear-resistant protective coating. Protects against stone chips and corrosion

Also available in box of 12



Allows application without primer on any support (metal, plastic and aluminum). Removes unevenness, provides a homogeneous and uniform surface before sanding. Filling up to 120µ

Also available in box of 12



Fast drying time
Quick sanding



CO 1044

BLACK FILLER PRIMER 500ml



CO 1001

DARK GREY GARNISHING PRIMER 500ml



CO 1042

LIGHT GREY FILLER PRIMER 500ml



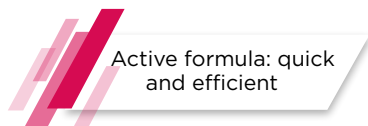
CO 1043

WHITE FILLER PRIMER 500ml



CO 1027**EXPRESS PAINT REMOVER SPRAY 500ml**

Allows paint, varnish and ink pickling on every body repair painted element.
Remove burned and imbedded seals (cylinder head, gearbox, water pump, etc).



Applications: Acrylic, Glycerol, Alkyd, Pliolite...

It allows you to achieve excellent results with no effort required.
Its active formula breaks down problems quickly. This product is suitable for use on solvent-resistant mounts.

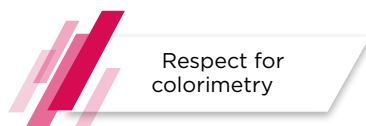
Also available in box of 12

**CO 1002****PLASTIC PRIMARY SPRAY 400ml**

Allows all plastic surfaces to be primed before painting or gluing.

Color: transparent

Also available in box of 12

**CO 1004****VARNISH SPRAY 1K 400ml**

Enables varnishing and protection of finishing paints while providing a glossy finish.
Ideal on body parts (hood, door, wing, underbody, rims...etc)
Transparent, UV and scratch resistant.

Also available in box of 12



CUTTING

TN



OC 5497	100 SCRAPER BLADE SET	
OC 5301	10 PCS BLADE SET 12mm	Spare part of OC 0302
OC 5302	10 PCS STRAIGHT BLADE SET 16mm	Spare part of OC 0302
OC 5303	10 PCS STRAIGHT BLADE SET 20mm	Spare part of OC 0302
OC 5304	10 PCS BEVELLED BLADE SET 16mm	Spare part of OC 0302
OC 5305	10 PCS TRAPEZOIDAL BLADE SET	Spare part of OC 0302/OC 1935

NO
WARRANTY

TN



OP 0508	SCRAPER BLADE 8mm	
OP 0535	STRAIGHT BLADE 35mm	Accessory of OP 0500
OP 0536	U-SHAPED BLADE 36mm	Accessory of OP 0500
OP 0557	STRAIGHT BLADE 57mm	Spare part of OP 0500
OP 0590	STRAIGHT BLADE 90mm	Accessory of OP 0500

NO
WARRANTY



OC 7025	6 PCS 25mm BLADE SET
OC 7038	7 PCS 38mm BLADE SET

NO
WARRANTY

OC 3401

TN

TRIANGULAR WIRE
REEL 50m



50 m
NO
WARRANTY

OC 3100

TN

CUTTING WIRE
0.7mmx0.7mmx44m



44 m
NO
WARRANTY

OC 2100

TN

SAWING WIRE
0.8mmx0.8mmx44m



44 m
NO
WARRANTY

AUTO GLASS

OC 2204

UNIVERSAL GEL FOR
ATTACHING RAIN SENSOR/
LIGHT SENSOR (single dose)


NO
WARRANTY

TN

OC 8064

FINISH RESIN 5ml


NO
WARRANTY

TN

OC 2202

REPAIR RESIN 10ml


NO
WARRANTY

TN

CO 2217

25 REPAIR DOSES 5ml FOR 2 IMPACTS
WITH CRACKING AND FINISHING


NO
WARRANTY
CO 2216

25 REPAIR DOSES 5ml FOR 2 IMPACTS
WITHOUT CRACKING


NO
WARRANTY

TN

OC 0301

100 WINDSCREEN
PREPARATION TOOL SET


NO
WARRANTY

TN

CO 2218

30ml GLYCERINE BOTTLE
FOR SUCTION CUP

Spare part of OC 2213


NO
WARRANTY

TN

SA 4105

100 UV SHEET SET
Spare part of OC 2203/OC 2213


NO
WARRANTY

TN



PLASTIC REPAIRING

SA 6053

TN

100 V-STAPLES Ø0.6mm

Accessory of OC 6048/OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



SA 6052

TN

100 W-STAPLES Ø0.8mm

Accessory of OC 6048/OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



SA 6051

TN

100 W-STAPLES Ø0.6mm

Accessory of OC 6048/OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



SA 6050

TN

100 V-STAPLES Ø0.8mm

Accessory of OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



SA 6049

TN

100 U-STAPLES Ø0.8mm

Accessory of OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



SA 6048

TN

100 U-STAPLES Ø0.6mm

Accessory of OC 6045BL/OC 6058



- stainless steel
- width of the staples: 13mm



DOORS & CABIN

CO 0426

TN

5-1 DISPOSABLE PROTECTION SET (500PCS)

- Each 5 in 1 kit includes :
- 1 x seat protector
 - 1 x steering wheel protection
 - 1 x gearshift protection
 - 1 x handbrake protection
 - 1 x floor protection





B-LINE RANGE

WHEEL SERVICE EQUIPMENT

DM 0500BL

SEMI-AUTOMATIC TIRE CHANGER 10"-21" 1 SPEED SYSTEM 230V

Semi automatic tire changer designed for effortless mounting and removal of tires. Suitable for cars, commercial vehicles and 4x4 tires.

For warranty purposes, installation and start-up must be performed by a professional.

B.LINE



Specifications:

- max. tire width: 3»-12»
- outside clamp: 10»-18»
- inside clamp: 12»-21»
- turntable rotation speed: 6.5rpm
- ergonomic and intuitive foot pedal
- working air pressure: 8-10bar
- air purifier and oil lubricator
- tubeless inflator safety valve: 3.5bar
- power: 0.85-1.1kW
- bead breaker arm power: 2500kg
- weight: 177kg

Comes with:

- SA0172: plastic protection for the dismounting heads soles
- SA8903: 5 protective clips
- SA8906: 4 pieces jaw cover set
- 1 lever with protection for alu rims

230V 1100 W 2 WARRANTY

EQ 6400BL

CYLINDRICAL UNIVERSAL CENTERING PLATE Ø40mm

Accessory of EQ 1000/EQ 2100

B.LINE



Supplied with:

- ring Ø58mm
- ring Ø60mm
- ring Ø65mm
- SA6400: Universal gauge measuring wheel interaxis 52-150mm

NO WARRANTY

EQ 6404BL

QUICK NUT Ø40x4mm WITH BOWL/SEAL/RING

B.LINE



Contents:

- quick nut Ø40x4mm+compression ring
- bowl
- seal

NO WARRANTY

EQ 6521BL

4 CENTERING CONE SET Ø42-137mm Ø40mm

Spare part of EQ 1000/EQ 2100

B.LINE



NO WARRANTY



INSPECTION LAMPS



OE 0145BL

ULTRATHIN CORDLESS RECHARGEABLE LAMP WITH VARIABLE INTENSITY

Hand lamp equipped with a dimmer.
Rechargeable via USB cable provided.



Specifications:

- COB technology
- ultra thin head: 23x14mm
- light intensity: max. 600lm adjustable by dimmer
- magnetic base on swivel tiltable 45° + 360° rotating
- autonomy: 2 to 10 hours (depending on intensity)
- charging time: 4h
- Lithium battery 3.7V-2600mAh
- rechargeable via USB cable included
- dimensions: 384x40x40x45mm



TN

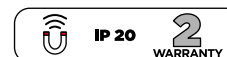
OE 0148BL

RECHARGEABLE PORTABLE LIGHT IK07



Specifications:

- LED: 4+1 SMD
- lumen AV: 250Lm
- high lumen: 70Lm
- kelvin : 6500K
- autonomy AV : 3.5h
- autonomy up : 7h
- charging time : 2.5-3h
- IP20
- IK07
- battery : 3.7V/1000mAh
- cable: USB-C
- dimension: H.186xW.47xD.30mm



TN

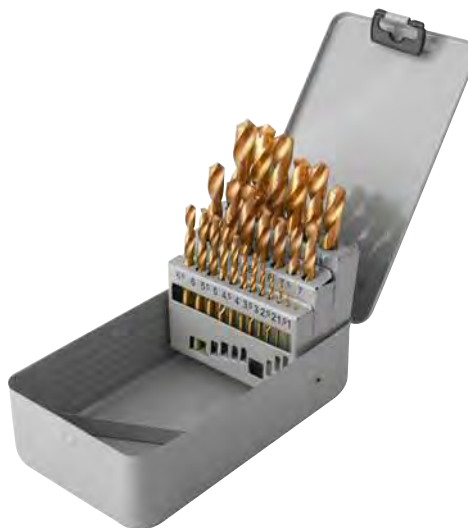
DRILLING & THREADING

TN



**NO
WARRANTY**

TN



TN



**NO
WARRANTY**

LIFTING

OH 6302BL

TROLLEY JACK 2T

B.LINE

NEW
Specifications:

- rotating soleplate
- robust chassis
- anti-overload system
- transportation handle
- min. H.: 135mm
- max. H.: 340mm
- handle length: 740mm
- dimensions: 447x196x135mm
- weight: 8.7kg


Max. T
2
WARRANTY

OM 3002BL

PAIR OF 2T JACK STANDS WITH SECURITY PIN

B.LINE

Specifications:

- min. H.: 268mm
- max. H.: 418mm
- weight: 4,8kg


Max. T
2
WARRANTY

OH 0336NBL

1T FOLDABLE CRANE

B.LINE

Specifications:

- lifting capacity: 0-2060mm
- 4 positions arm: 1000-750-500-250kg
- height feet: 185mm
- 6 rotating wheels


Max. T
1
WARRANTY

TOOL CASES

TN

OM 0655BL

SCREW BIT SET (100 PCS)

Contents:

- 1 magnetic bit holder
- 1 Y adapter
- 1 male adaptor/male square 1/4" hexagonal
- 1 female adaptor/female square 1/4" hexagonal
- 1 socket bit holder 1/4"
- 95 L.25mm bits:
 - Phillips: 0-1-2(x5)-3
 - Pozidrive: 0-1-2(x5)-3
 - Square: R0-1-2-3
 - Flat: 3-4-4.5-5-5.5-6-6.5-7-8
 - Torx: T8-10-15-20-25-27-30-40-45
 - Tamperproof Torx: T8-10-15-20-25-27-30-35-40
 - Metric hexagonal: H1.5-2-2.5-3-4-5-5.5-6-8
 - Hexagonal inch: H1/16-5/64-3/32-7/64-1/8-9/64-5/32-3/16-7/32-1/4
 - Tamperproof metric hexagonal: HT2-2.5-3--4-5-6
 - Tamperproof hexagonal inch: HT5/64-3/32-7/64-1/8-9/64-5/32
 - XZN: M5-6-8
 - Tri-wings: TW1-2-3-4
 - wrench: SN4-6-8-10
 - Clutch: CGI-2-3



OM 2354BL

RATCHET HANDLE+HEX SOCKETS 1" D. FOR HGV 36-80mm (15 PCS)



Contents:

- OS3511: hex socket 36mm
- OS3512: hex socket 38mm
- OS3513: hex socket 41mm
- OS3514: hex socket 46mm
- OS3515: hex socket 50mm
- OS3516: hex socket 55mm
- OS3517: hex socket 60mm
- OS3518: hex socket 65mm
- OS3519: hex socket 70mm
- OS3520: hex socket 75mm
- OS3521: hex socket 80mm
- OS3522: ratchet
- OS3523: extension 190mm
- OS3524: extension 365mm
- OS3525: sliding T handle



OM 2355BL

RATCHET+10 DOUBLE HEX SOCKET SET 3/4" D. 22-50mm



Contents:

- OS3411: double hex socket 22mm
- OS3412: double hex socket 24mm
- OS3413: double hex socket 27mm
- OS3414: double hex socket 30mm
- OS3415: double hex socket 32mm
- OS3416: double hex socket 36mm
- OS3417: double hex socket 38mm
- OS3418: double hex socket 41mm
- OS3419: double hex socket 46mm
- OS3420: double hex socket 50mm
- OS3421: ratchet
- OS3422: extension 100mm
- OS3423: extension 200mm
- OS3424: CV joint
- OS3425: sliding T handle



Supplied in a black metal box.



TIRE & WHEEL

OM 0766BL

FOUR ARM
WRENCH 1/2"
17-19-21mm

B.LINE**Specifications:**

- central square brace
- 3 hexagonal impressions: 17, 19 and 21mm
- 1 square 1/2" impression to accommodate all sockets

**OM 7003BL**

1/2" SHEATHED ALU
WHEEL RIM SOCKET
SET (3 PCS)

B.LINE

Sheathed sockets to avoid rim damage, colored to enable immediate size identification. Also available on steel rims.

**OM 0790BL**

TORQUE WRENCH 1/2" 42-210Nm 450mm

B.LINE

Delivered with
calibration certificate

**OM 0764BL**

TELESCOPIC L-SHAPED WRENCH 1/2"

B.LINE

- length: 365-530mm
- holds sockets in place using ball bearings

**OP 0046BL**

INFLATING GUN 0-12bar

B.LINE

Scale of 0 to 12 bar
Flexible length: 50mm

**OP 0082BL**

METAL CASE AIR REEL
Ø8mm 10m

B.LINE

- stop device every 50cm
- hose Øint. 8mm
- connector 1/4"
- adjustable wall support 180°
- tension by high-strength spring
- pressure 8bar



BRAKING

AC 0532BL

BRAKE DISC THICKNESS GAUGE

This tool allows you to quickly and easily check the thickness of the brake discs, without disassembling the wheel when it is made of aluminum. You can therefore check the wear of the disc by referring to the manufacturer's minimum dimensions.

Using range: from 0 to 45mm

B.LINE



NEW

Time saving

2
WARRANTY

HU 0050BL

PNEUMATIC BRAKE BLEEDER SET

Allows to bleed hydraulic brakes and clutches thanks to its pneumatic operation working in push.

NEW



Contents:

- 11 plugs set including universal E20
- 1 recovery jerry can

B.LINE



2
WARRANTY

Specifications:

- pneumatic system
- quick-connect hose for different plugs installation
- handle
- maximum pressure 10 bar
- capacity 5 liters (DOT3/DOT4/DOT5/DOT6/LHM/Pentosin/LHS)

OP 0053BL**PNEUMATIC VACUUM BRAKE BLEEDER**

Allows you empty the brake fluid reservoir and bleed the brake lines.

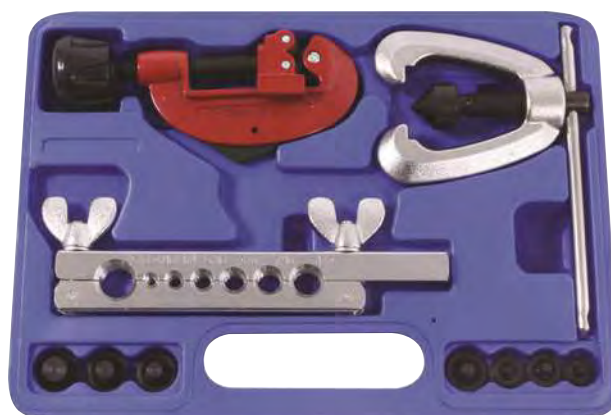
B.LINE

Bleed screw adapter

Used to vacuum out impurities:
injector wells, plug wells, etc.

**OM 8050BL****10 PCS REPAIR TOOL SAE MALE/FEMALE SET****B.LINE**

SAE: male cone
DIN: female cone

**Contents:**

- adapters: Ø3/16" (4.75mm)-5/8"-1/2"-7/16"-3/8"-5/16"-1/4"
- tube cutter Ø3 to 30mm

**OM 8054BL****18 PCS PISTON PUSHER SET****B.LINE**

Suitable for:

- 1 >General Motors, PSA.
- 2 >Citroën Xantia u.a.
- 3 >Alfa Romeo, Audi, Austin, BMW, Ford, Honda, Jaguar, Mercedes-Benz, Mitsubishi, Nissan, PSA, Rover, Toyota, VW.
- 4 >Alfa Romeo 164 2.0, Ford, Mazda, Saab 9000, Subaru.
- 5 >Adapter 3/8.
- 6 >Nissan Primera, VW Golf IV.
- 7 >Audi 80 /90/V8/100, Ford Sierra ABS/Scorpio AB85, Honda Prelude, Nissan Silva 1.8T, Rover 8000, Saab 9000, Subaru L+Z, VW Golf+Passat.
- 8 >General Motors.
- 9 >General Motors.
- F >Opel Astra.
- Z >Renault.
- M >Ford.
- N >Saab, Honda.
- K >Citroën.
- E >Nissan Maxima.



For left or right handed threaded pistons



OIL DRAINING

HU 2002BL

3/8" DRAIN BIT SET+T-HANDLE WRENCH

Allows to drain engine oil, gearboxes, differentials and axles.

B.LINE



Contents:

- 3/8" hex: 8-9-10-12-14-17mm
- square 3/8», 5/16": 11mm-13mm
- 1 sliding handle

2
WARRANTY

HU 2021BL

ROTARY DOG BONE
WRENCH FOR DRAINING

B.LINE



Hexagonal: 10-12-14-17mm
Square: 8-10-3/8"-1/2"



HU 0513BL

FLEXIBLE SPOUT
FUNNEL Ø145mm

B.LINE



Funnel with spout
and filter.

NO
WARRANTY

HU 0014BL

METAL TRANSFER PUMP

Pump with a lateral lever, ideal for transferring various types of liquid (non corrosive) such as oil, diesel or kerosene from a standard 200l barrel.

B.LINE



Specifications:

- flow: 20l/min
- extendable tube to reach the bottom of the barrel

NO
WARRANTY

HU 0657BL

MANUAL PRIMING PUMP
WITH TAPPET

Manual priming pump, suitable to transfer several kind of liquids (non-corrosive) from a standard 200l drum.

B.LINE



- flow: 18l/min with anti-drip system
- standardized clamping ring
- 1100mm hose
- polyethylene pump

1,1 m NO
WARRANTY

HU 1996BL

13 MULTI-BRAND CAP OIL
FILTER SET

B.LINE

2
WARRANTY

HU 0010BL

STRAP WRENCH
DEHYDRATING CARTRIDGE

B.LINE

Length of the strap: 500mm

NO
0,5 m WARRANTY

HU 2007BL

1/2" OR 3/8" FILTER WRENCH

Spare part of OS 3270/HU 1999/HU 1996/HU
1999BL/HU 1996BL

B.LINE

Ø63-Ø102mm
Tighten/loosen
Supplied with 3/8"-1/2" increaser

NO
WARRANTY

HU 0079BL

70L GREY WASTE OIL DRAINER

B.LINE**Specifications:**

- capacity: 70l
- air pressure for oil discharge: 1 to 2 bar
- standard: tool plate+stand for scroll
- 4 wheels (2 swivel wheels)
- min height: 1005mm
- max height: 1610mm
- total container capacity: 620mm
- Ø tray: 420mm
- weight: 19kg

2
70 L WARRANTY

COOLING SYSTEM

AC 1120BL

COOLING SYSTEM TESTER (18 PCS)

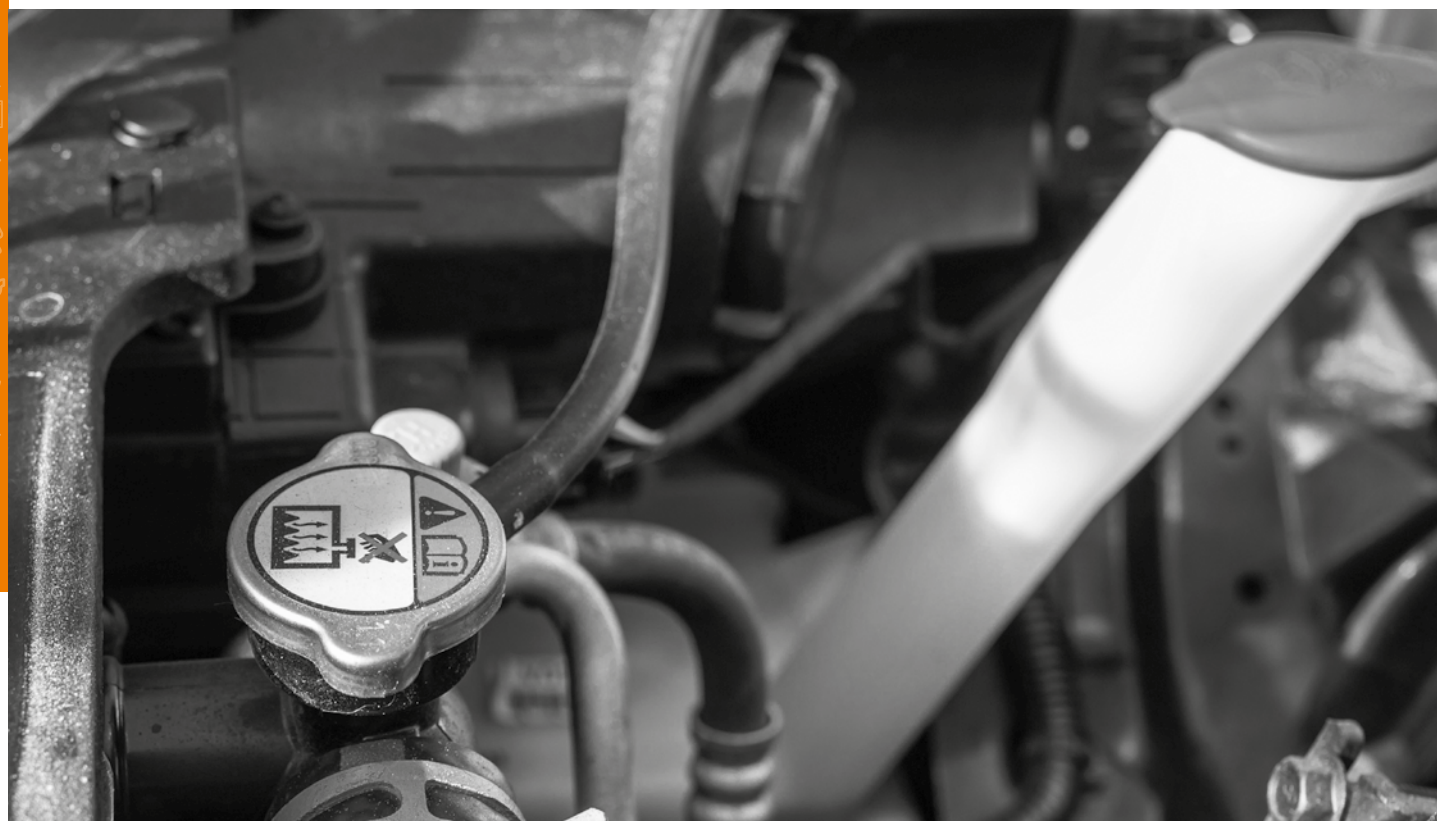
TN



Contents:

- 1 test pump with air release valve
- 0 to 2.5bar manometer
- 10 ABS screwed plugs (coded by color and number)
- 3x1/4 turn metal plugs
- 1 plug screwing wrench
- 1 thermometer 0 to 200°C
- 2 R123/R124 and R123/R125 connectors

2
WARRANTY



CHARGING SYSTEM

OE 0035BL

LOAD TESTER (LED) FOR 12V BATTERIES AND ALTERNATORS

Allows charge level of batteries and 12V alternators to be read thanks to 3 colored LED indicators (red/yellow/green).

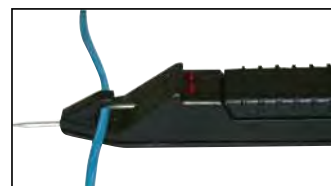


TN

OE 0065BL

POLARITY/CONTINUITY TESTER 3 TO 48V

Voltage and battery tester for cars, HGVs and motorbikes.
Positive/negative cables test.



TN

OE 3008BL

CAT.I DIGITAL MULTIMETER



Specifications:

- DC voltage: 200mV-2000mV-20V-200V-500V
- AC voltage: 200V-500V
- DC current: 200uA-20mA-200mA
- resistance: 200ohm-2000ohm-20Kohm-200Kohm-2000Kohm
- battery: 6LR61 PP3
- dimensions: 126x70x24mm



TN

STEERING & SUSPENSION

OM 2510BL

JOINT PULLER SET Ø23-Ø34mm (3 PCS)

B.LINE



Ø34 H.63mm
Ø28 H.55mm
Ø23 H.55mm

2
WARRANTY

OM 2600BL

BALL JOINT
SEPARATOR Ø18mm

B.LINE



2
WARRANTY

OM 9315BL

SINGLE DRIVE
TIE-ROD REMOVAL
WRENCH

B.LINE



This wrench is designed to install and remove ball joints with no need to remove the steering rack.

2
WARRANTY

OM 3630BL

PAIR OF SPRING COMPRESSORS
WITH SAFETY PINS

These shock absorber spring compressors enable shock absorber springs to compress on passenger vehicles and commercial vehicles.
They are equipped with a security pin on the spring retainer.

B.LINE



Specifications:

- max. jaw opening: 255mm
- max. spring Ø: 18mm
- double drive 21mm and 1/2"

2
WARRANTY

OM 3637BL

PAIR OF SPRING
COMPRESSORS

B.LINE



Specifications:

- 2 long shafts: 330mm, drive 13mm, opening 320mm
- 2 medium shafts: 215mm, drive 13mm, opening 200mm
- 2 short shafts: 175mm, drive 19mm, opening 170mm
- Jaws width 100mm, depth 13mm
- Ømax spring: 16mm

2
WARRANTY

SILENT BLOCK-HUB-BEARING

OM 9391BL

SILENT-BLOCK & BEARING ASSEMBLY/
DISASSEMBLY SET

NEW
B.LINE

2
WARRANTY

OM 3410BL

SLIDE HAMMER/PULLER SET

B.LINE

2
WARRANTY

Contents:

- hub extractor
- bearing extractor
- 2 supports: 2 and 3 grips
- 3 grips 90mm
- 1x4-hole hub extractor, capacity Ø100-120mm
- 1x4-hole hub extractor, capacity Ø120-150mm
- 1 inertial cup extractor
- 1 screw centerer
- 1 screw extractor- mass 2.240kg- Axle 500mm

OM 5412BL

KNIVES + CLAWS
SEPARATOR SET

B.LINE

Contents:

- 1 separator knife mini 13mm maxi 63mm
- 1 separator knife mini 5mm maxi 65mm
- 2 arms for knives length 60mm
- 2 arms for knives length 80mm
- 2 arms for knives length 104mm
- 2 arms for knives length 128mm
- 2 claws 110mm
- 1 mount for arms/claws width 45-150mm
- 1 pull spindle L.170mm drive 17mm

2
WARRANTY

OM 3517BL

BEARING INSTALLATION/
EXTRACTION KIT

B.LINE

Contents:

- 9 adapters Ø55.5-59-62-65-66-71.5-73-78-84mm
- 3 races Ø76-86-91mm
- 3 thrust screws M12x1.25
- 3 thrust screws M12x1.5
- 3 thrust screws M14x1.5

2
WARRANTY

CLUTCH ACCESSORY BELT

OM 0609BL

UNIVERSAL CLUTCH ALIGNMENT SYSTEM

Made up of a main part and two expanding, interchangeable cones that adapt to all models of clutch disc.


B.LINE

2
WARRANTY

TN

OM 3079BL

FREEWHEELING ALTERNATOR PULLEY DISMANTLING KIT 13PCS

Set of wrenchs and locknuts that let you dismantle the freewheeling pulley of the alternator (on or off the vehicle).


B.LINE


Renault, Audi, VW, Seat, Skoda, Opel, BMW, Fiat, Ford, Mercedes, Porsche

Details of ends on request.



TN

OM 9049BL

POLYGONAL L-SHAPE WRENCHES FOR DISTRIBUTION PULLEYS + FITTINGS 15PCS

These wrenches are specially designed for working on hard-to-reach pulley nuts and belt tensioners.


B.LINE


Specifications:

- heads can be easily exchanged due to the retaining system using an automatic pin
- rubber handle
- wrench length 470mm
- Torx: E10, E12, E14, E16, E18
- XZN diameter: 12, 13, 14, 15, 16, 17, 18 and 19mm



TN

OM 9879BL

RIBBED PULLEY PULLER WITH INTERCHANGEABLE ARMS


B.LINE

2
WARRANTY

TN

TIMING TOOLS

OM 9251BL

TIMING TOOLS RENAULT

B.LINE



NEW



Models:

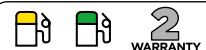
Renault: Espace/Grand Espae (98-02), Espace/Grand Espace 4 (02-10), Kangoo/Trekka (01-09), Laguna (98-01), Laguna 2 (01-07), Laguna 3 (07-13), Megane (99-03), Megane 2 (02-10), Megane 3 (08-13), Megane/Scenic/Rx4 (99-00), Scenic/Grand Scenic 2 (09-03), Trafic 2 (01-11), Twingo 2 (08-14), Vel Satis (00-10), Wind (10-14)
Dacia: Logan/Mcv (05-11)
Nissan: Kubistar X76 (03-09), Primastar (02-11)

Engines:

1.4, 1.6, 1.8, 20 16V

Engine codes:

7K4J : 730 , 732 , 740
K4M : 752 , 753 , 760 , 761 , 764 , 788 , 812 , 813 , 854 , 856
F4P : 720 , 722 , 760 , 770 , 771 , 772 , 773 , 774 , 775
F4R : 700 , 701 , 712 , 713 , 714 , 715 , 720 , 722 , 730 , 732 , 736 , 738 , 740 , 741 , 744 , 746 , 747 , 762 , 763 , 764 , 765 , 766 , 767 , 770 , 771 , 780 , 790 , 791 , 792 , 820 , 830 , 832 , 837
F4R(t) : 720 , 722 , 764 , 765 , 744 , 776 , 784 , 786 , 787 , 794 , 795 , 796 , 797 , 800 , 802 , 810 , 811 , 870 , 872 , 874 , 886 , 887 , 896 , 897



TN

OM 3641BL

TIMING TOOLS RENAULT

B.LINE



NEW



Engine codes:

K9K , G9T , G9U

OEM codes:

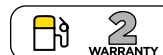
MOT1348 , MOT1337 , MOT1340

Models:

CLIO, MEGANE, SCENIC, LAGUNA, ESPACE, KANGOO, TRAFIC, MASTER(99-04).

Engines:

1.5, 1.9, 2.2, 2.5 DCI



TN

OM 4116BL

TIMING TOOLS FORD

B.LINE



NEW



Models:

Ford Fiesta (1995-2008), Fusion (2002-2008), Puma (1997-2002), Focus (1998-2008), Focus C-Max (2003-2008), Mondeo (1993-2008), Cougar (1998-2001), S-Max (2006-2008), Galaxy (2006-2008), Courier (1995-2008), Tourneo Connect (2002-2006), Transit Connect (2002-2006)

Engines:

1.4-1.6 TI-VCT-1.7-1.8-2.0-1.6TDCI

Engine codes:

AODA , AODA B , ASDA , ASDB , CFBA , CGBA , CGBB , CHBA , CHBB , CJBA , CJBB , CSDA , CSDB , DHA , DHAC , DHD , DHE , DHF , EDBB , EDBD , EDDB , EDDC , EDDD , EDDF , EYDB , EYDC , EYDD , EYDE , EYDF , EYDG , EYDI , EYDJ , EYPA , EYPC , F8JA , F8JB , FHA , FHD , FHE , FHF , FUJA , FUJB , FXDA , FXDF , FXDB , FXDD , FXJA , FXJB , FYDA , FYDC , FYDB , FYDD , FYJA , FYJB , HWDA , HWDB , FYDA , FYDC , FYDB , FYDD , FYJA , FYJB , HWDA , HWDB , LIF , LIJ , LIN , LIT , LIT , LIV , LIW , MJA , 7JB , MHA , MHB , NGA , NGB , NGC , NGD , QQDA , QQDB , QQDC , QQDB , RKA , RKB , RKF , RKJ , RKK , HXDA



TN

OM 3675BL

TIMING TOOLS RENAULT

B.LINE



NEW

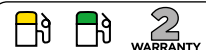


Gasoline engines:

1.2, 1.4, 1.6, 1.8, 2.0

Diesel engines:

1.9/TD/DTI, 2.2D/TD, 2.5D, 2.8DTI, 1.5DCI, 1.9DCI, 2.2DCI, 2.5DCI



TN

OM 3749BL

TIMING TOOLS MINI/PSA 1.4-1.6 16V PETROL AND TURBO

Compatible with turbocharged engines.

NEW

B.LINE



Models:

Mini: One (R56), Mini Cooper (R55/R56),

Mini Cooper S (R55/R56)

Citroën: C3, C4, C4 Picasso

Peugeot: 207, 308

Engines: 1.4 VTI, 1.6 VTI, 1.6 THP

Engine codes:

N12 B14AB, N12 B16A, N14 B16A, 8FR (EP3), 5FS (EP6), EP3 (8FS),
EP6 (5FV), EP6DT (5FX), EP6DTS (5FY)



OM 4759BL

TIMING TOOLS PSA

NEW

Models:

Citroën: Synergie / Evasion, Berlingo, Jumpy, C2, C3, C5, Relay /

Jumper

Peugeot: 106, 205, 206, 305, 306, 307, 309, 405, 406, 406 Coupe,

605, 607, 806, 807, Express, Expert

Partner, Boxer

Engine:

Gasoline: 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, 2.0

Turbo

Diesel: 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD, 2.1TD,

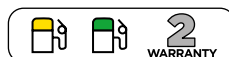
2.2D, 2.5TD, 2.2HDI

Engine codes:

159A, 161A, 171B, 171C, 171D, 180A, 180Z, 3FZ (EW12J4), 4HX
(DW12ATED), 4HZ (DW12ATED) 6FZ (EW7J4), A8A, A9A, AJZ
, B1A /E /F, B2C, B4A, B6D, B6E, BAY, BDY, BFZ, C1A, CDY
, CDZ, D2A/C/E /F, D6A /B/D/E, D8A /B/C, D9B, DDZ, DFZ,
DHV/W/X/Y, DJ5 (T9A), DJ5T (T8A), DJY, DJZ, DKZ, EW10J4D
, EW7J4, H1A, HDY, HDZ, K1A, K1F, K1G, K2A, K2B, K2D, K3A
, K6B, KDX, KDY, KDZ, KFW, KFX, KFY, KFZ, L6A, LFW, LFX
, LFY (XU7JP4), LFZ, M4A, NFU, NFX (TU5J4/L3), P8A, P8B
, P8C, P9A, PHZ (XUD11), R2A, R6A, R6D, RDZ, RFR, RFN
(EW10J4), RFS, RFT, RFU, RFV, RFW, RFX, RFY, RFZ, RGX,
RGY, RHW (DW10ATED4), RHY (DW10ATD), RHZ (DW10ATED/L)
, RLZ (EW10J4D), T8A/THZ (DJ5T), T9A (DJ5), THX (DJ5TED)
, THY (DK5ATE), TU1/2/3/5/9, TU1/3/5 (HFY, HFZ, KFX, NFZ)
, TU5J4/L3 (NFX), TU5JP4 (NFU), WJY (DW8B), WJZ (DW8),
XU10J2C/Z, XU10J2CTE/L3, XU10J2TE/Z, XU10J4R/S (RFV/R6E/
RFS), XU10J4RS (RFS), XU10J4RS (RFS), XU10-R2A, R5A, R6A,
RDZ, XU5-171B, 180A, B1E, XU5-B6D/E, B1A, B1E, B2A, B2B, BDY,
BDZ, XU5JP (BFZ), XU7JP4 (LFY), XU7-L6A, LFW, LFX, LFZ, XU9.
D2H, D6A, D6B, D6D, DDZ, DKZ, DFZ, XU9-D2A/D, XU9J4, XUD 11
BTE (P8C), XUD11A, XUD11ATE, XUD7 (A9A), XUD7TE, XUD9 (DHY),
XUD9A (D9B/DJY), XUD9AU (D8C), XUD9SD (DHW), XUD9TF
(D8B), XUD9UTF (DHX), XUD9Y (DJZ)



B.LINE



OM 4052BL

TIMING TOOLS VAG

NEW

B.LINE



Models:

Arosa, Cordoba, Ibiza, Inca, Leon, Toledo Skoda Fabia, Octavia
(from 96) Volkswagen Bora, Caddy, Fox, Golf, Lupo, New Beetle,
Passat, Polo, Sharan, Touran

Audi: 80, A2, A3, A4, A6, Cabriolet (95-00) Seat Alhambra Arosa,
Altea

Engines:

1.2 6V, 1.2 12V, 1.4 et 1.6, 1.8, 1.8T, 2.0 16V

1.2, 1.4, 1.9, 2.0 TDI PD 1.7, 1.9 D/TD/SDI/TDI 2.5 V6 TDI.



OM 4045BL

TIMING TOOLS PSA

B.LINE**NEW****Engine codes:**

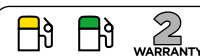
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Models:

Citroën: Synergie / Evasion - Berlingo - Jumpy - C2 - C3 - C5 - Relay / Jumper
Peugeot: 106 - 205 - 206 - 305 - 306 - 307 - 309 - 405 - 406 - 406 Coupe - 605 - 607 - 806 - 807- Express -Expert
Partner - Boxer

Engines:

Gasoline 1.0, 1.1, 1.4, 1.5, 1.6, 1.6 16V, 1.8, 1.8 16V, 1.9, 2.0, 2.0 16V, Diesel 2.0 Turbo-Diesel 1.4D, 1.4HDI, 1.5D, 1.7D, 1.7TD, 1.9D, 1.9TD, 2.0Hdi, 2.1TD 2.1TD, 2.2D, 2.5TD, 2.2Hdi

**OM 4051BL**TIMING TOOLS
FIAT/OPEL**B.LINE****NEW****Engine codes:**

AWY, BMD, AZQ, BME

Models:

Opel/Vauxhall/Fiat

Engines:

1.3, 1.9 CDTI from 2004

**OM 3712BL**

TIMING TOOLS VAG

B.LINE**NEW****Models:**

VW - Polo, Fox, Eos
Seat - Ibiza, Cordoba
Skoda - Fabia

Engines:

1.2 6V, 1.2 12V

**OM 4082BL**TIMING TOOLS FIAT/LANCIA/
ALFA**B.LINE****NEW****Engine codes:**

LFW, RFU, RFW, RGX, D8B, D9B, DHX, DJY

OEM codes:

322.01, 335.03, 671.06, 676.01, 372.03, 321.04, 323.01, 672.04, 162.01, 323.10, 673.01, 324.01, 176B9.000, 182B2.000, 188A5.000, 182 A3.000, 182 A5.000, 182 A4.000, 182 A6.000, 182 B6.000, 182 A2.000, 182 A4.000, 182 A6.000, 182 B6.00, 836 A3.000, 175 A1.000, 182 A1.000, 175 A3.000, 182 A7.000 (TD 100), 182 A8.000 (TD 75), 182 B4.000, 185 A6.000, 188 A3.000, 192 A1.000, 192 A3.000, 176 B3.000, 176 A3.000, 176 A5.000, 149 B1.000, 160 A6.000, 160 A7.000, 160 D1.000, 154 B.000, 230 A2.000, 230 A4.000, A7.000 (TD 100), 182 A8.000 (TD 75), 182 B4.000, 185 A6.000, 188 A3.000, 192 A1.000, 92 A3.000, 182 A3.000, 182 A5.000

Models:

Alfa Romeo: 145, 146, 147, 155, 156, 1.4, 1.6 Twin Spark, 145, 146, 155, 156, Spider and GTV 1.8 Twin Spark, 155 2.5i, 155 2.5 V6
Fiat Punto, Brava, Bravo, Stilo, Marea, Marea Weekend, Multipla, Tipo, Barchetta, Ulysse, Ducato, Lancia Ypsilon

Engines:

1.2 16V, 1.4 12V, 1.6 16V, 1.8 16V, 2.0 16V turbo, 1.9D TD, 1.7D TD, 1.9D TD, 2.4JTD

**OM 4213BL**

TIMING TOOLS OPEL/VAUXHALL

NEW**B.LINE****Models:**

Corsa, Agila, Astra, Meriva (97-04)

Engines:

1.0 12v, 1.0 16v, 1.4 16v (chain)

Engine codes:

X10XE, Z10XE, Z10XEP, X12XE, Z12XE, Z14XEP



INJECTORS

AC 5240BL

COMMON RAIL INJECTOR TESTER

Covers most vehicles with Common Rail Bosch (apart from Opel), Denso, Delphi and Siemens.

This set can detect flow problems in injectors.

Specifications:

- C1 Bosch 90° injectors
- C2 VDO/Siemens 90° injectors
- C3 Denso 90° injectors
- flask capacity 50ml

A) The engine turns over but doesn't start.

Placing the graduated crayons allows you to diagnose the problem:

- if all the levels are similar:

The injectors are working properly.

- if you see that one level is considerably higher than the others (25%), that injector is damaged

The method is faster:

- direct connection to the injector
- the fuel goes directly into the crayons.

B) The engine starts.

B.LINE



Use of the vials is advised.

If excess flow is observed in one of the vials, replace the injector linked to that vial.



TN

OM 0020BL

SLIDE HAMMER SET + INJECTOR EXTRACTOR ADAPTORS 14PCS

Allows quick, effortless extraction of injectors which have seized in the cylinder head.

B.LINE



Contents:

- slide hammer 3.9kg
- hammer guide rod L.510mm
- grip L.110mm
- CV joint for improved access to restricted access areas
- M14x1.5 Delphi adapter
- M17x1 Bosch adapter
- M20x1 Denso adapter
- M25x1 Siemens adapter
- M27x1 Siemens adapter
- M27x1 Bosch female adapter
- 10mm hexagonal socket 19mm drive (electrode removal)
- 4 split hexagonal sockets 25-27-29-30mm L.100mm, drive 1/2"



TN

OM 9100BL

INJECTOR SEAT CLEANING KIT

This kit allows you clean injector seats and wells.

The depth-adjustable reamer support lets you reshape the gasket seat without damaging it.

Contents:

- 1 injector gasket extractor
- 1 reamer support
- 1 brush drive line
- 2 injector well brushes Ø8mm
- 2 injector well brushes Ø20mm
- 1 brush support
- 6 injector well plugs
- 2 flat reamers Ø17mm
- 1 conical reamer Ø17mm

B.LINE



TN

CYLINDER HEAD - PISTON & CYLINDER - FUEL - EXHAUST SYSTEM

OM 0108BL

1 HAND VALVE
SPRING LIFTER

B.LINE



Allows the valve springs to be compressed without removing the cylinder head.
Suitable for most OHV (overhead valves) and OHC (overhead camshafts) engines
Not suitable for enclaved valves.



TN

AC 0114BL

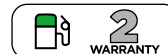
PETROL
COMPRESSION GAUGE

B.LINE



Specifications:

- 3 to 20bar manometer
- release valve
- straight universal adapter
- screw connector 14 and 18mm



TN

AC 2018BL

MULTI-BRAND COMPRESSION GAUGE
PETROL-DIESEL/DCI

Complete set for petrol and diesel engines with direct and indirect injection.

Specifications:

- quick connector adapter
- 1.400mm hose for difficult access points
- 0 to 40bar manometer with release valve

PSA, VAG, Alfa, BMW, Chrysler, Daewoo, Daihatsu, Fiat, Ford, Honda, Hyundai, Isuzu, Jeep, Kia, Lada, Lancia, Land Rover, LDV, Mazda, Mercedes, MG, Mitsubishi, Nissan, Opel, Renault, Rover, Saab, Ssangyong, Suzuki, Toyota, Volvo.



B.LINE



TN

AC 0001BL

VACUUM PUMP AND FUEL
CONTROL SET

B.LINE



NEW



TN

AC 0550BL

PRESSURE
VACUUM PUMP
(-0.5/+3bar)

B.LINE



Contents:

- 1 set of 5 bits
- 1 set 4 pipe extensions + 4 bits
- collection container with 2 lids
- 2 500mm extensions



TN

HEADLIGHT ADJUSTMENT

AC 2005BL

STANDARD HEADLIGHT ADJUSTMENT DEVICE

TN



Specifications:

- mirror type aligner
- digital luxmeter
- alu column (collapsible) graduated from 20 to 150cm
- sliding regulating mechanism
- metal housing with tilt adjustment
- power supply: 9V battery (supplied)
- dimensions: L.712xW.580xH.1810mm

Functions:

- control and measurement of the closing mechanism 0-4%
- control of the lateral adjustment $\pm 5\text{cm}/10\text{m}$
- measurement of the illumination intensity 0-150klux/1m, 0-240lux/25m
- intervention on headlights (xenon, halogen, LED...), anti-fog

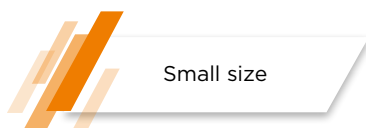


AUTO GLASS - PLASTIC REPAIRING DOORS & CABIN

OC 1700BL

WINDSCREEN WIPER REMOVER

Lets you handle all supports with very effective force.



B.LINE



**NO
WARRANTY**

TN

OC 0550BL

PAIR OF SUCTION CUPS Ø115mm

Essential for positioning and gluing all kind of windscreens.

Specifications:

- tilting suction cups to adapt to various glass contours
- lever lock
- carrying handle
- capacity: 60kg
- suction cups Ø115mm
- supplied with fast-ratchet sling
- sling length: 4.7m
- sling length: 2.5cm



B.LINE



Max. Kg
60
**NO
WARRANTY**

TN

OC 6045BL

HOT STAPLER

B.LINE



Supplied with an
assortment of 100 staples
Ø0.8mm in U, V and W

Specifications:

2 stapler positions: straight line and 90°, facilitating
application in confined areas.
Width of the staples: 13mm
Length of the cable: 150cm
Stapler dimensions: L.190xW.40mm

1,5 m **220V** **2
WARRANTY**

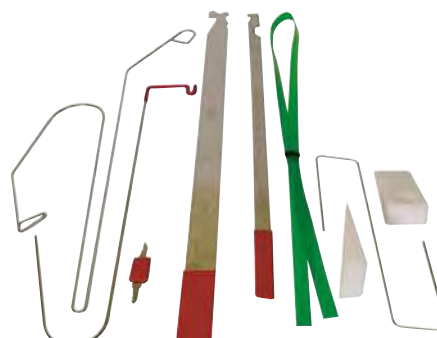
TN

OC 9000BL

9 DOOR OPENING SET

Kit comprising tools and rods allowing a vehicle
door to be opened without breaking the windows
if its keys have been locked inside.

B.LINE



Strictly for professional use only.
Supplied without instructions.

**2
WARRANTY**

TN

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CONVERSIONS



1 inch (in) = 1 pouce = 2,54cm
 1 foot (ft) = 1 pied = 30,48cm
 1 yard (yd) = 1 verge = 0,9144m
 1 mile (mi) = 1 mille = 1,6093km
 0,6214mile = 1 kilomètre
 1 nautical mile = 1 mille marin = 1,852km



1 ounce (oz) = 1 once = 28,3495g
 1 pound (lb) = 1 livre (UK) = 0,4536kg
 1 short ton (tn) = 1 tonne courte (US) = 0,9072t
 1 long ton (tn) = 1 tonne forte (UK) = 1,0160t
 1 hundredweight (US) (cwt) = 0,4536quintal
 1 hundredweight (UK) (cwt) = 0,5080quintal



1 square inch (sq.in) = 1 pouce carré = 6,4516cm²
 1 square foot (sq.ft) = 1 pied carré = 9,2903dm²
 1 square yard (sq.yd) = 1 verge carré = 0,8361m²
 4840 square yard (sq.yd) = 1 acre = 0,4047ha
 1 square mile (sq.mi) = 1 mille carré = 2,590km²



100kPa = 1 bar = 14,503psi
 1,01325bars = 1 atm = 101,325kPa

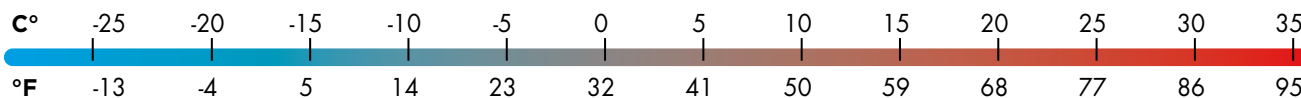


1 cubic inch (cu.in) = 1 pouce cube = 16,3872cm³
 1 cubic foot (cu.ft) = 1 pied cube = 28317cm³
 1 cubic yard (cu.yd) = 1 verge cube = 0,7646m³
 1 once (US) (fl.oz) = 0,0296l
 1 once (UK) (fl.oz) = 0,0284l

1 quart (US) (qt) = 0,9463l
 1 quart (UK) (qt) = 1,1365l
 1 gallon (US) (gal) = 3,7853l
 1 gallon (UK) (gal) = 4,5460l
 1 barrel of oil = 1 baril de petrol = 0,1590m³



1 C° = 5/9 (°F-32)
 Conversion Celsius to Fahrenheit : C° = 5/9 (°F-32)



TIGHTENING TORQUE CONVERSION TABLE

The international unit is Nm (Newton x meter)

CONVERT Nm

1Nm = 0,102Mkg
 1Nm = 0,738Ft-lbs
 1Nm = 8,851In-lbs
 1Nm = 141,84In-Oz

CONVERT Ft-lbs

Foot-pound in Newton meter: 1Ft-lb = 1,35 Nm
 Foot-pound in mètre kilo: 1Ft-lb = 0,138 Mkg
 Foot-pound in Inch-pound: 1Ft-lb = 12 In-lbs

CONVERT In-lbs

1 In-lbs = 0,1128Nm
 1 In-lbs = 0,015Mkg
 1 In-lbs = 0,083Ft-lbs
 1 In-lbs = 15,873In-Oz

INGRESS PROTECTION RATING

1st digit: Solid particle protection

- 0 No protection
- 1 Protected against solid particles superior to 50mm
- 2 Protected against solid particles superior to 12mm
- 3 Protected against solid particles superior to 2,5mm
- 4 Protected against solid particles superior to 1mm
- 5 Dust protected
- 6 Dust tight

2nd digit: Liquid ingress protection

- 0 No protection
- 1 Protected against dripping water
- 2 Protected against dripping water when tilted up to 15° from the vertical
- 3 Protected against spraying water when tilted up to 60° from the vertical
- 4 Protected against splashing water jets from any direction
- 5 Protected against water jets from any direction by a nozzle
- 6 Protected against powerful water jets from any direction
- 7 Protected against immersion
- 8 Protected against long-lasting immersion according to specified conditions

LEGEND

GENERAL

	Highlighted product		LCV/HGV		Product with electrical plug
	Warranty period		LV/LCV		Petrol
	No warranty		Power		Diesel
	Lifetime warranty		Decibel level		ADblue®
	IP rating		Vibrations		Quicklift device (lifting range)
	Professional IP rating		Cable/hose length		Low profile
	Magnetic		Capacity		LED quantity
	Powered by battery		Maximum load		COB LED
	Impact wrench use recommended		Use oiler		Tension
	Product for R134a air conditioning gas		Product for air conditioning gas R1234yf		Motorization
	Tariff Normal		Tariff Equipment		

RECESSES

	Flat		Double Hex female		Ribe		XZN
	Square		Torx		Ribe female		XZN female
	Phillips		Torx E		Ribe tamperproof		Superlock
	Hex		Torx tamperproof		TS		End ball Hex
	Hex female		Torx plus		TS plus		Pozidrive
	Hex tamperproof		Torx plus female		TS plus female		

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 TORX®: registered trademark of Camcar / Textron, Texas
 XZN®: registered trademark of Bauer-Schulte
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Blackson®: registered trademark of Henkel Loctite
 Haldex®: registered trademark of Haldex Traction Systems
 AdBlue®: registered trademark of Verband der Automobilindustrie e.V. (VDA)
 VITON®: registered trademark of DuPont Performance Elastomers L.L.C.
 OETIKER®: registered trademark of Oetiker Schweiz AG
 NTN-SNR®: registered trademark of NTN-SNR Bearings.

TERMS AND CONDITIONS OF SALE

CLAS Equipements - Terms and conditions of sale

Article 1 - PREAMBLE

Purpose of these conditions of sale ("General Terms and Conditions" or "T&C") is to define the respective obligations and responsibilities of CLAS Equipements and its clients acting within the framework of professional activity (hereinafter the "Client(s)") in their pre-contractual and contractual relationships related to the sale of supplies by CLAS Equipements. The term "Supply(ies)" refers to the services, systems, materials and products sold by CLAS Equipements. These T&C are the reference documentation basis of the commercial relationships between CLAS Equipements and Clients.

These T&C prevail over the general conditions of purchase of the Client except with the prior and express written agreement of CLAS Equipements.

Any waiver to enforce a provision of these T&C shall not be deemed as a waiver of such provision of or any other provision of these T&C.

In the event that provisions of these T&C will be considered as invalid by a competent jurisdiction, the other provisions will remain valid. In such case, CLAS Equipements will, at its option, replace, such canceled provision by a valid provision.

Article 2 - GENERAL CONTRACTUAL TERMS

Proposals, offers, including its printed catalog or the same published on its website, or quotes issued by CLAS Equipements are valid only during the period defined by CLAS Equipements and are governed by the present T&C supplemented or amended by Special Conditions (see below).

The Client remains solely and fully responsible for the use of the Supplies even when information, advice or drawings have been communicated to him by CLAS Equipement. Since the Supplies are sold by the Client to an end user ("User"), such Client warrants (i) to sell them only to professionals and (ii) to provide all the information, advice and CLAS Equipements' scheme that this latter will have communicated to him and (iii) will not be released of its own obligations. The Client will ensure that all its obligations under these T&C will be, under his own responsibility, a minima, transferred and assigned to the User so that, this latter, will be able to benefit of the contractual warranty ("CLAS Warranty") detailed in these T&C. In this regard, it is specifically the Client and the User responsibilities, as professionals by nature, to check this information, advices or drawings provided by CLAS. In case of any doubt, Client/User shall contact CLAS Equipements. The absence of request sent to CLAS Equipements at following website address <https://www.clas.com/en/contact-us> at section service contact "SAV", implies a full understanding of the conditions of use of the Supplies.

The User shall attach with the request sent to <https://www.clas.com/en/contact-us> a written copy of the invoice provided by Client to justify the purchase of the Supply. In case CLAS Equipements answers to such a request despite absence of an invoice sent by the User, it shall, in no circumstances, be considered as an implicit acknowledgment of granting rights to this User.

Article 3 - FORMATION OF THE CONTRACT

All orders shall be sent in writing by Client, including by email or in a dematerialized manner from his client account. It shall ensure the complete references of the Supplies and the related quantity are indicated or it shall refer explicitly to a quote or a proforma invoice issued by CLAS Equipements without any modification.

In any case, CLAS Equipements will make its best efforts to send a definitive acknowledgment of receipt of the order within one working day, which will be the final binding document. This acknowledgment of receipt may take the form of a letter, email or fax. In the absence of acknowledgment of receipt of the order, the initial offer issued by CLAS Equipements will be the contractual basis between the Parties, unless they expressly agree in writing to derogate.

Any purchase order with reference to its conditions of purchase or on the back of its printed order form sent or communicated by the Client to CLAS Equipements shall not be deemed as an acceptance of such purchase conditions by CLAS Equipements.

Furthermore, without any limitation, incomplete or incorrect information sent or communicated by the Client, could generate misunderstanding or errors preventing CLAS Equipements in the execution of the order and it could not be attributed to CLAS Equipements.

Some orders are subject to prior opening of a client account, for instance, for orders related to the online catalog on the website www.clas.com.

CLAS Equipements may decide, at its option, not to

agree to such a request to open a client account or not wish to enter into a contract with the Client for any legitimate reasons it may have, such as, the non-coverage of the contract by a sustainable credit insurance, the inadequacy of the Client's commercial practices with CLAS Equipements' policies, without any right for the Client to claim any compensation whatsoever.

The terms and conditions hereof may be subject to specific terms and conditions "Special conditions". These Special conditions will be decided by CLAS Equipements at its option by any mean, such as, in each dedicated Client account on the website www.clas.com. These particular terms and conditions may derogate from the present T&C on several topics :

- Discount on Catalog Prices
- Shipping costs
- Specific payment terms
- ...

Orders placed by the Client from its Client' account may therefore include Special Conditions and therefore orders for Supplies will be governed by the present T&C supplemented by the Special Conditions.

Article 4 - SUPPLIES

CLAS Equipements' Supplies are exhaustively listed in the pre-contractual documents (catalog, proforma invoice ...) or contract (acknowledgment receipt ...).

It is the responsibility of the Client to ensure, taking into account the characteristics of the Supplies, that they correspond to its needs, in particular with respect to the technical specifications. The Client must ensure that all material and organizational conditions are met to enable the satisfactory and safe implementation and use of the Supplies, such as trained and qualified personnel to use the Supplies, a proper environment (premises, air conditioning, fluids, protections ...). Client is aware and informed that CLAS Equipements headquarter is located in France and so the Supplies comply with the laws and regulations in force in France.

When the Supplies must comply with local standards of the place of use, in particular for safety, other than a French or European technical standard to which CLAS Equipements declares to comply, the Client shall assume all the consequences resulting therefrom and CLAS Equipements shall not be held responsible in particular for incidents occurring during their use.

The Client hold and harmless CLAS Equipements for any consequences that may result from his own omissions or negligence.

Article 5 - CHANGES

Any modification of the contract which would be requested by the Client, after its conclusion, will have to be expressly accepted by CLAS Equipements in writing with the express intent to derogate. Any request for modification of the contract shall not be taken into consideration when it comes after Supplies' shipment.

Any request for modification of the order by the Client will be the subject of a new proposal from CLAS Equipements. In case of refusal of modification by CLAS Equipements or disagreement of the Client on changes of any kind (technical or financial) related to a change request, CLAS Equipements will deliver the Supplies in the conditions and according to modalities identified in the original contract.

No termination, suspension or termination of the contract by the Client may take place without the express, prior written consent of CLAS Equipements, and under conditions that Client will indemnify this latter from any harmful consequences.

Article 6 - PRICE - PAYMENT TERMS

Except in the case of Special conditions stated in the contract, the prices of the Supplies sold are those listed in the catalog or price list in force when order is issued and / or, where applicable, in the specific commercial proposal sent to the Client, for the duration stated on these documents. These prices are firm and definitive. They are expressed in Euro, net and without VAT.

Price are provided on ex-Works incoterm basis (EXW - ex works - Incoterm CCI 2010) at CLAS Equipements headquarter with standard packaging. In any case, they do not include the costs of loading and unloading, transportation, customs, if any, and insurances remain Client responsibility.

Any particular special request, especially for sales outside France mainland, shall be subject to a specific offer of CLAS Equipements that derogates expressly. In any case any customs fees, and insurance will remain the exclusive responsibility of the Client. CLAS Equipements reserves the right to change prices at any time by giving prior written notice of thirty (30) calendar days. Invoices are

owed on the due date stated on the invoice and / or commercial proposal.

The contracts entered between CLAS Equipements with a Client whose registered office is located in France mainland with provision of Supplies in France mainland, will be paid by bank transfer or by check within thirty (30) days end of month from the availability of Supplies or performance of the services by CLAS Equipements.

The contracts between CLAS Equipements with a Client whose headquarter are located outside France mainland with a final destination of Supplies out of France mainland, will be billed prior the availability of the Supplies and such invoice shall be fully paid before CLAS Equipements will inform the Client of disposal of said Supplies. These terms apply regardless of the incoterm chosen.

All other terms of payment shall be prior agreed in writing between CLAS Equipements and the Client.

The payment deadlines shall not be delayed, and the Client is prohibited from applying debits notes or compensation without the express prior written consent of CLAS Equipements.

CLAS Equipements reserves the right to demand the payment of the Supplies on the date of acknowledgment receipt of the order by CLAS Equipements (cash payment) (i) if the financial situation of the Client requires to do it, or (ii) if the Client has not paid all or part of the amounts due in previous order, or (iii) no sufficient guarantee of complete payment has been given by the Client.

In case of refusal by the Client of these modalities of payment without any sufficient guarantee being proposed by this latter, CLAS Equipements may, at its option, refuse any order from this Client. Indeed, the parties will have not been entering into any agreement. Thus, no Supply will be delivered, and Client will not being able to claim any compensation of any kind whatsoever.

CLAS Equipements publishes its catalog once a year and therefore the Supplies may in the meantime be subject to variations in (i) exchange rates as well as (ii) customs duties and/or transit fees, borne by CLAS Equipements. Therefore, CLAS Equipements reserves the right to pass these variations on the selling price of the Supplies. Before any order confirmation the Client will be notified of such changes.

In case of changes due to unpredictable circumstances at the date when the parties entered into the contract, if such changes make the execution excessively burdensome for CLAS Equipements that this latter had not approved at this time to assume such risk, CLAS Equipements shall have all rights to request to renegotiate the contract with the Client.

In the event of refusal or failure of the renegotiation, the parties may agree to terminate the contract at the date and under the conditions they determine, or by mutual agreement, to request a Court to adapt it. Failing to do so within a reasonable time, the Court may, at the request of a party, revise or terminate the contract at the date and according to the terms it determines.

The Parties expressly agree that the failure to pay on the due date of any payment term shall have automatic effect, without prior notice, to execute (i) the immediate payment of any other invoice, whether due or not due, even if a bank draft has been issued, and (ii) at the discretion of CLAS Equipements, either the suspension of deliveries or the prepayment of any order in progress. CLAS Equipements, reserves the possibility, in case of default of the Client and after formal notice remained unsuccessful for thirty (30) days, to cancel orders not yet executed.

Any amount not paid at the due date by a Client whose headquarter is located in France shall pay a lump sum compensation for recovery costs of forty (40) euros and late penalties equal to the rate applied by the European Central Bank (ECB) plus ten (10) percentage points.

When the headquarter of the Client is located outside France any outstanding amount not paid at due date will generate the payment by the Client of a lump sum compensation for recovery costs of one hundred (100) euros and extra late penalties as defined above.

The reference rate of the ECB is applicable on 1st of January for the first half of a calendar year and on 1st of July for the second half of a calendar year.

These penalties are automatically due and will automatically be withdrawn from the Client's account.

Article 7 - DELIVERY - TRANSFER OF RISKS

The delivery of the Supplies shall take place in accordance with the terms and conditions set out in CLAS Equipements' proposal and in accordance with Article 6 of these T&C. Thus, once the delivery is carried out in accordance with Article 6 (Ex-Works), the Client acknowledges that the carrier is responsible for the transportation of the Supplies. Therefore, Client has no right to request for damages compensation or penalties to CLAS Equipements, in case of failure to deliver the Supplies and / or damage to the Supplies during

shipping.

If the Client does not collect the Supplies within one (1) month of the sending of a written notice of availability of the Supplies, the storage and security costs may be charged to the Client by CLAS Equipements.

If the parties have expressly agreed to derogate from the terms of Article 6 and so, that CLAS Equipements will assume the delivery of the Supplies, in such case, the delivery time is given for information only and without guarantee, whatever the incoterm chosen. Exceeding these deadlines shall not authorize Client to any deductions or indemnities against CLAS Equipements. In case of delay exceeding 4 weeks in France mainland, and 8 weeks outside France mainland, the Client may request the cancellation of the order. The installments already paid will be credited back to Client by CLAS Equipements. It is expressly agreed that deliveries outside France mainland may be made by fraction. Therefore, in such case, the acceptance by the Client of these new terms, implies that this latter shall not request the resolution of the Order since he will have accepted other terms with all the consequences that it could generate against him.

The deadlines agreed are also legally suspended by any event beyond CLAS Equipements control, especially in case of force majeure, as defined in Article 8 of these T&C and resulting in delaying delivery. Therefore, CLAS Equipements will not be responsible in case of delay or suspension of the delivery of the Supplies.

As soon as the Supplies are at the disposal of the Client, risk of loss and damages are transferred to this latter.

In any event, delivery of the Supplies can only occur when the Client has fulfilled all its obligations with respect to CLAS Equipements.

Article 8 - FORCE MAJEURE

In case of situation of force majeure (unforeseeable event, irresistible and external), CLAS Equipements may at its option suspend, in whole or in part, the execution of orders, until said case of force majeure will be terminated.

Is considered as a case of force majeure within the meaning of these T&C (i) any event as defined legally and / or by case law and (ii) any of the following events : the total or partial strikes limiting CLAS Equipements operations or its suppliers, subcontractors or carriers and any event of interruption of transport, supply of energy, raw materials or spare parts.

Article 9 - RESERVATION OF TITLE

The transfer of ownership of the Supplies by CLAS Equipements to the Client is subject to full payment of the price in principal, costs and interests.

The Client shall refrain from (i) any transformation, incorporation or assembly of the Supplies before its full payment, and (ii) selling or pledging the Supplies until the property has been transferred to this latter.

The Client shall immediately inform CLAS Equipements of the seizure, requisition or confiscation of the Supplies for the benefit of a third party, and shall inform the third party creditor of the existence of this retention of title clause for the benefit of CLAS Equipements.

In the event of non-payment of the full price in principal, costs and interest on the due date, CLAS Equipements may (i) require at any time the return of the Supplies sold, at the expense and risk of the Client and (ii) decide the resolution of contract with notice sent by any means and without further formality, without prejudice of any damages that may be claimed by CLAS Equipements. In this case, the Client authorizes CLAS Equipements and his carrier, to enter during the working hours in the premises where the Supplies are located and to remove them. The Client agrees that all the Supplies acquired from CLAS Equipements shall remain easily identifiable in its premises.

These provisions do not prevent the transfer of the risks of loss and deterioration of the Supplies in the conditions of Article 7 of these T&C.

Subject to applicable law in force, in the event of the opening of insolvency procedure for recovery or liquidation, orders in progress will be automatically resolved, and CLAS Equipements reserves the right to claim the Supplies in stock at Client premises. In case the Supplies will be sent back to CLAS Equipements, the amounts paid, total or partial, shall be retained by CLAS Equipements as compensation.

Article 10 - CONTRACTUAL WARRANTY

This contractual warranty ("CLAS Warranty") applies only to the Supplies sold by CLAS Equipements to the Client, who may transfer them to the User provided that the Client meets or request User to meet the following conditions.

The CLAS Warranty does shall apply to the User under the following conditions:

- User is a professional of after-market automotive sector,
- User is able to demonstrate that the Supplies for which it requests the application of the warranty have been billed by a CLAS Equipements' Client.

These conditions specific to the User are cumulative with the other conditions and terms of the CLAS

Warranty below.

Each Supply of CLAS Equipements has a pictogram that indicates the duration of the contractual warranty or not of the Supply ("NO", 2, 3, 4, 5 years, etc ...). This information is available on the website www.clas.com and on the CLAS Equipements catalog.

The warranty period is limited to the time indicated by the pictogram "CLAS Warranty" from the date of delivery to the User by the Client. Are excluded from any "CLAS Warranty", Supplies categorized as consumables identified by the pictogram " NO ".

10.1 - Non-conformities of the Supplies covered by the CLAS Warranty

CLAS Equipements warrants the Supplies for the non-conformities resulting from a defect within the limits of the technical and contractual specifications of the Supplies and within the limits of the provisions hereafter.

CLAS Warranty applies only to the Supplies entering into the scope of a contract between CLAS Equipements and a Client, and with the exception of Supplies provided by CLAS Equipements in the frame of such contract but not invoiced for whatever reason. Since Supplies would have been sold by User to a third party, CLAS Equipements will not provide any longer CLAS Warranty for such Supplies. CLAS Equipements will decide, at its option, of the modalities of application of said CLAS Warranty limited to the repair or replacement of the Supplies. Repair or replacement will not extend the initial time allowed by the CLAS Warranty. CLAS Warranty period starts on the date of possession by either the Client or the User, depending on who requests it.

CLAS Warranty will not apply when:

- non-conformities are the result of products or parts used by the Client / User with the Supplies
- an intervention of a third party occurred on the Supplies sold by CLAS Equipements,
- non-conformities relating to unexpected events or force majeure and for any replacements or repairs resulting from accidents, abrasion, corrosion, normal wear and tear of the Supplies, deterioration resulting from negligence, defective supervision or maintenance and defective use of the Supplies,
- use in abnormal conditions or for operations and / or with unforeseen elements, lack of qualification or experience of the personnel,
- bad storage conditions of the Supplies delivered,
- bad installation or not in accordance with the state of the art (bad connection, defective power supply) of Supplies.

10.2 - Client Obligations

Application of CLAS Warranty requires Client / User will provide all evidences allowing CLAS Equipements to assess the root cause of the non-conformity subject to this warranty.

Client shall provide all written justifications to support the alleged root-cause.

The absence of evidences provided within 3 calendar months of the initial CLAS Warranty activation will terminate CLAS warranty and so the related CLAS Equipements' obligations.

CLAS Equipements could, at its option, refuse the application of the CLAS Warranty in case of non-payment by the Client of all amounts or part of any order. In such case, Client shall be fully responsible of Users' requests in this respect and CLAS Equipements will be entitled to ask compensation to Client if the User's requests cause any damage to CLAS Equipements.

Application of this CLAS Warranty implies that any Supplies sent back to CLAS Equipements must be prior agreed by this latter by an express prior written consent and, in such case, it will be done at sole Client's expenses.

Any costs supported by CLAS Equipements in respect of the CLAS Warranty that are finally not covered by CLAS Warranty shall be borne exclusively by the Client / User.

Upon receipt of the Supplies, the Client is required to check the good condition and quantity of the Supplies delivered. In this context, the Client must inform CLAS Equipements, within forty-eight (48) hours from receipt of the Supplies by the Client/User, of any detailed reservations this latter may have. After this period, no claim, of any nature whatsoever, relating to apparent non-conformity, will be accepted by CLAS Equipements. It is the Client responsibility to manage the requests of Users on this basis, a minima, according to the same conditions as CLAS Equipements, knowing that any deviation with Users will be Client' duty.

10.3 Damages

CLAS Warranty is strictly limited to the obligations defined above and it is expressly agreed that CLAS Equipements will not be bound by any other compensation, damages or interest of any kind.

Article 11 - OTHER WARRANTIES

CLAS Equipment undertakes to warrant the Supplies, in addition to the CLAS Warranty of Article 10, only in case of mandatory applicable warranty of the law and according to the applicable law in accordance with the terms of Article 15.

Article 12 - RESPONSIBILITY

In no event shall CLAS Equipements be liable for indirect and / or immaterial, consequential or non-consequential damages resulting from the performance of its obligations under the contract, for example, without being exhaustive, loss of incomes, loss of profits, operating losses, any business troubles, knowing that the Client and his insurer waive any recourse against CLAS Equipements and its insurers.

In any circumstances, the overall and cumulative liability of CLAS Equipements will not exceed, the total amount paid to CLAS Equipements under the order or contract concerned by Client.

Article 13 - INTELLECTUAL PROPERTY

Quotations, proposals, catalogs and globally all the documents delivered or sent by CLAS Equipements to the Client, as well as the related intellectual property rights, are and remain the exclusive property of CLAS Equipements or under licensed, even though the Client has been asked to contribute to the costs.

In no event these documents may be reproduced without the prior written consent of CLAS Equipements. This provision survives the expiration of the order or contract.

It is understood that the Client will have no intellectual property rights relating to the Supplies except with the express and written agreement of CLAS Equipements.

The Client warrants that the User will hold and harmless CLAS Equipements from any claim or infringement claim that may be made against this latter by reason of a combined use of the Supplies with another product constituting as a whole an infringement of the intellectual property rights of third parties. In addition, the Client shall indemnify CLAS Equipements of all harmful consequences that could arise from this situation.

Article 14 - ASSIGNMENT

The contract is concluded intuitu personae according to the person of the Client and shall not be transferred without the express, prior and written acceptance of CLAS Equipements.

Article 15 - APPLICABLE LAW - JURISDICTION

By express agreement between the parties, these T&C are governed :

(1) between CLAS Equipements and the Client whose headquarter is in France by French law and, as a supplementary, by the Vienna Convention on the International Sale of Goods, or,

(2) between CLAS Equipements and the Client whose headquarter is outside France, by Swiss law, and, as a supplement, by the Vienna Convention on the International Sale of Goods.

These conditions are available in French. In the event that they are translated into one or more languages, and in the event of contradiction or discrepancy between the French version and the translation in any other language, the French version will prevail over the translated version.

All disputes related to these T&C about validity, interpretation, execution, termination and/or consequences will be submitted :

(1) provided that the Client has its headquarter in France, to the competent public jurisdiction of the CLAS Equipements headquarter in Chambéry (France).

(2) provided that the Client's headquarter is located outside France, shall be decided by arbitration in accordance with the Swiss Rules of International Arbitration of the Swiss Chambers' Arbitration Institution in force on the date on which the notice of arbitration is filed in accordance with this Regulation.

a. The number of arbitrator is: one;

b. The seat of arbitration shall be Geneva (Switzerland);

c. The arbitration language will be in French.

d. The defendant shall submit to the Secretariat a reply to the notice of arbitration, as well as, any counterclaim or means of compensation, within fifty (15) days from the date on which it receives the notice of arbitration. The deadline for the appointment of an arbitrator will be fifty (15) days. If the circumstances required, the Court may modify these time limits. The expedited procedure will apply, and the dispute will be decided solely on documentation.

e. Parties may also decide at any time to submit the dispute to mediation under the Swiss Rules of Commercial Mediation of the Swiss Chambers' Arbitration Institution.

CONTACTS

International sales department:

+33 (0)4 79 72 69 18 > order@clas.com

FOR ANY INQUIRIES ABOUT OUR PRICES

Please contact your usual distributor



In accordance with the provisions of the Code of the environment as regards Waste of Electrical and Electronic Equipment (WEEE) professional (Articles R.543-172 and following), CLAS EQUIPEMENT answers its obligations by adhering to ECOSYSTEM. ECOSYSTEM is an eco-organization approved by the Public Authorities, with nonlucrative goal, and pursuing a mission of general interest of collection, depollution and recycling of the Waste of the Electric and Electronic Equipment (DEEE). CLAS EQUIPEMENT brings thus to its customers the guarantee to be able to benefit from the offer of service of collection and recycling proposed by ECOSYSTEM for the professional electrical equipment which arrives at the end of life. More information on www.ecosystem.eco or 0809 540 590 (free number + price of a local call)

CLAS Equipments does not bear liability for any omissions, typographical errors or products modifications. Illustrations and photos are not contractually binding.

CLAS Equipements SAS
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