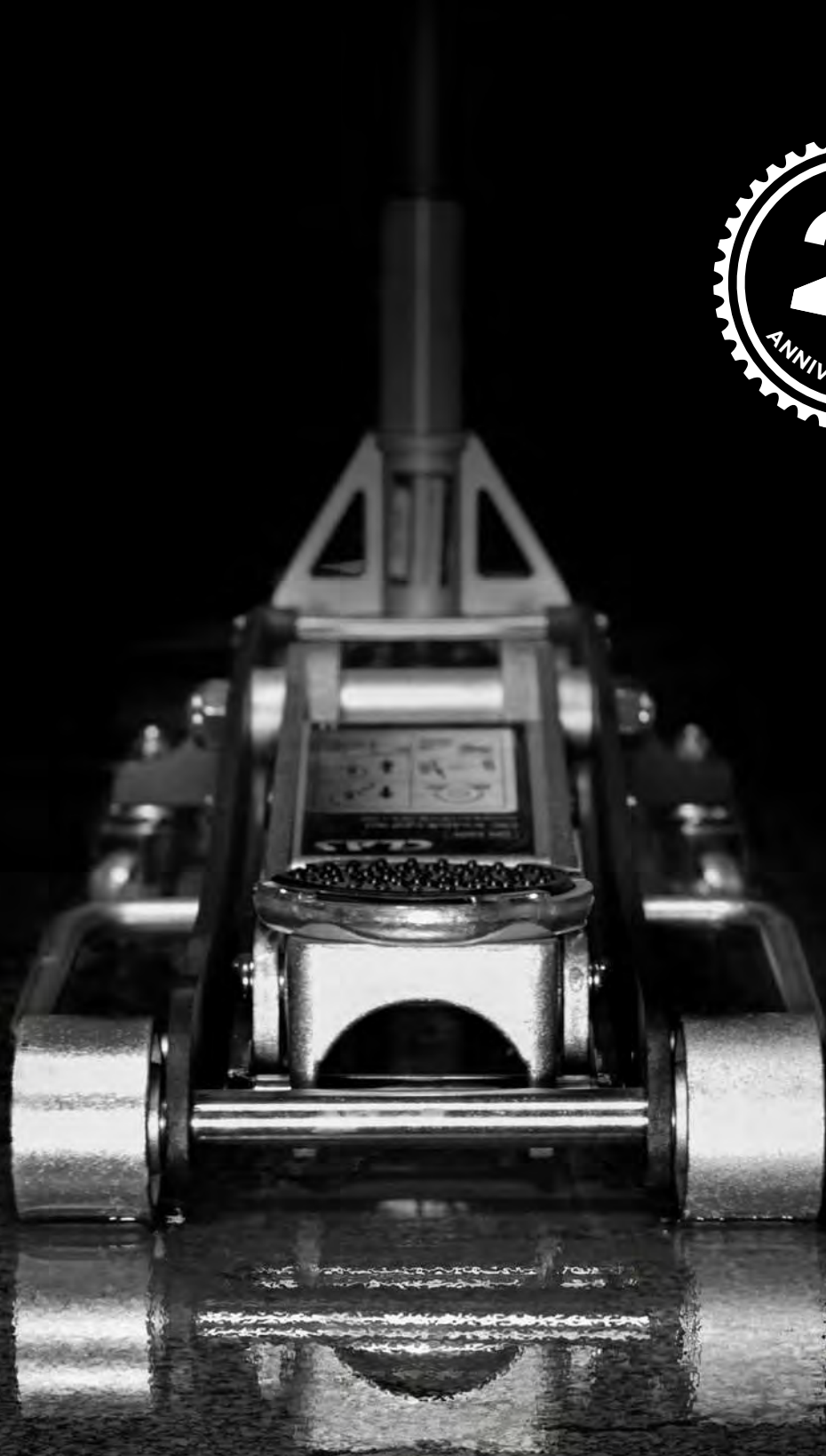


CLAS[®]
GARAGE SOLUTIONS



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



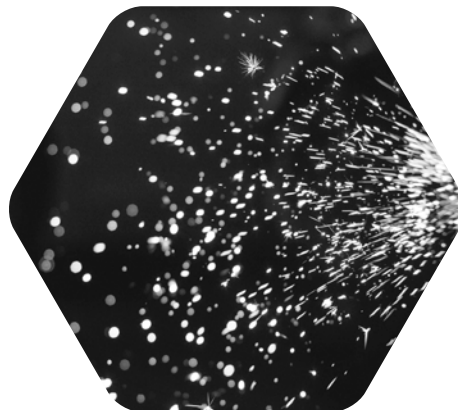
Discover us in
this video !





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

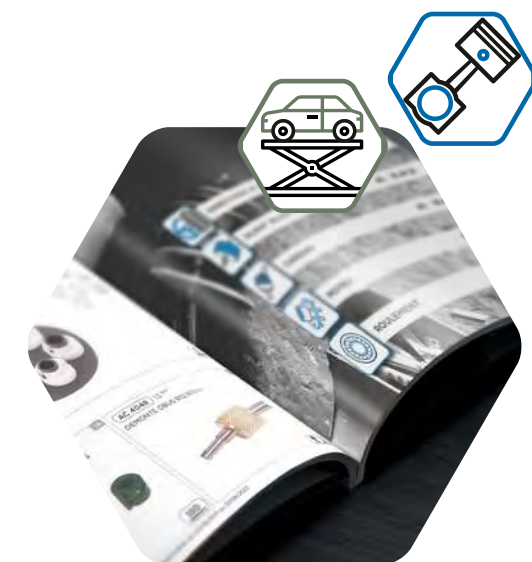
We have reviewed all our product categories for maximum simplicity.

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!**





440 - INJECTORS



450 - CYLINDER HEAD



457 - PISTON & CYLINDER



460 - ENGINE STANDS



462 - FUEL



475 - ADBLUE®



476 - EXHAUST SYSTEM



481 HYBRID & ELECTRIC



482 - HYBRID & ELECTRIC PROTECTION



488 - HYBRID & ELECTRIC ELECTRONICS



497 - HYBRID & ELECTRIC SIGNS



498 - HYBRID & ELECTRIC LIFTING



498 - HYBRID & ELECTRIC REELS & LOAD



499 BODY REPAIR



500 - HEADLIGHTS



504 - AUTO GLASS



517 - BODYWORK HANDLING



519 - BODYWORK LIFTING



521 - WELDING & CUTTING



524 - PULLING & RESTRAINING



530 - PLASTIC REPAIRING



535 - BODYWORK PAINTING



542 - DOORS & CABIN



544 - BODYWORK STAPLES



545
CONSUMABLES

B.LINE



NON-INTENSIVE
USE

569
B-LINE RANGE

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.

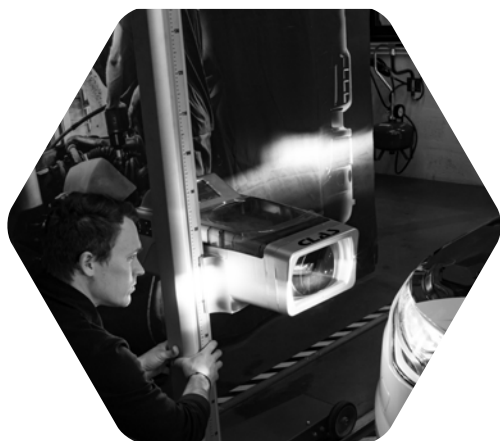


Choosing CLAS means buying a product and the service that goes with it.

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...

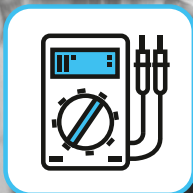
Thanks to our real-life testing laboratory, we develop a strong link between our Sales and Technical departments, always with a view to offering relevant tools that meet real needs.

HYBRID & ELECTRIC



PROTECTION

P.483



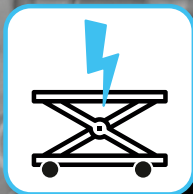
ELECTRONICS

P.488



SIGNS

P.497



LIFTING

P.498



REELS & LOAD

P.498

INTERVENTION ON HYBRID AND ELECTRIC VEHICLES

How to operate on hybrid/electric vehicles?

- be educated and qualified
- be equipped
- comply with current standards

To consider:

Before operating on hybrid and electric vehicles, the technician must complete a training session to be qualified to make the interventions.

According to the French Labor Code, Article R. 4544-10, it is the responsibility of the employer to issue, maintain or renew the accreditation in accordance with the procedures specified in the standards mentioned in Article R. 4544-3, depending on the operations to be performed by the employee.

Contact us for training sessions.

Major automotive qualifications:

Activity	Function	Symbol
Consignment	Consignment officer	BCL
Design and testing offices	Operations officer	BRL
	Testing officer	BEL Test
Assistance and towing services	Operations officer	B2XL Assistance - towing
	Executive	B1XL Assistance - towing
Dismantling	Operations officer	B2XL Dismantling
	Executive	B1XL Dismantling
Technical inspection	Operations officer	B2XL Technical inspection
	Executive	B1XL Technical inspection
Testing and certification	Operations officer	B2XL Testing and certification
	Executive	B1XL Testing and certification
Maintenance	Repairs officer	BOL Repairs officer
	Repairs executive	BOL Executive
	Works officer (simple access*)	B2L
	Executive (simple access*)	B1L

Activity	Function	Symbol
Maintenance	Works officer (reinforced access**)	B2VL
	Executive (reinforced access**)	B1VL
	Works officer under voltage	B2TL
	Works executive under voltage	B1TL
	Operations officer: batteries, super condenser, PAC	B2XL Battery operation
	Operations executive: batteries, super condenser, PAC	B1XL Battery operation
Emergency services	Automotive expertise officer	BEL Automotive expertise
	Operations executive: emergency services	B2XL emergency services
	Executive: emergency services	B1XL emergency services

* The operator is positioned more than 30 cm from an electrical supply

** The operator is positioned less than 30 cm from an electrical supply

HYBRID & ELECTRIC PPE

TN

ELECTRIC ARC PROTECTION JACKET

NEW

Specifications:

- flash arc class 1, ATPV 12 cal/cm²
- standards: EN 13034: 2005 / EN 1149-5: 2008 / EN ISO 11611: 2007 / EN ISO 11612: 2008 / IEC 61482-2: 2009 (CLASS 1 AND ATPV 12 cal/cm²)
- fabric composition: 79% cotton, 20% polyester, 1% antistatic fiber, 300 gr/m²
- ATEX zone

OE 0530	ELECTRIC ARC PROTECTION JACKET SMALL
OE 0531	ELECTRIC ARC PROTECTION JACKET MEDIUM
OE 0532	ELECTRIC ARC PROTECTION JACKET LARGE
OE 0533	ELECTRIC ARC PROTECTION JACKET X-LARGE
OE 0534	ELECTRIC ARC PROTECTION JACKET XX-LARGE



ELECTRIC ARC PROTECTION PANTS

NEW

Specifications:

- flash arc class 1, ATPV 12 cal/cm²
- standards: EN 13034: 2005 / EN 1149-5: 2008 / EN ISO 11611: 2007 / EN ISO 11612: 2008 / IEC 61482-2: 2009 (CLASS 1 AND ATPV 12 CAL/CM²)
- fabric composition: 79% cotton, 20% polyester, 1% antistatic fiber, 300 gr/m²
- ATEX zone

OE 0547	ELECTRIC ARC PROTECTION PANTS (S)
OE 0548	ELECTRIC ARC PROTECTION PANTS (M)
OE 0549	ELECTRIC ARC PROTECTION PANTS (L)
OE 0550	ELECTRIC ARC PROTECTION PANTS (XL)
OE 0551	ELECTRIC ARC PROTECTION PANTS (XXL)



SAFETY SHOES WITH INSULATING SOLE

STANDARD: EN ISO 20345:2011

NEW

OE 0538	SAFETY SHOES WITH INSULATING SOLE (38)
OE 0539	SAFETY SHOES WITH INSULATING SOLE (39)
OE 0540	SAFETY SHOES WITH INSULATING SOLE (40)
OE 0541	SAFETY SHOES WITH INSULATING SOLE (41)
OE 0542	SAFETY SHOES WITH INSULATING SOLE (42)
OE 0543	SAFETY SHOES WITH INSULATING SOLE (43)
OE 0544	SAFETY SHOES WITH INSULATING SOLE (44)
OE 0545	SAFETY SHOES WITH INSULATING SOLE (45)
OE 0546	SAFETY SHOES WITH INSULATING SOLE (46)

**NO
WARRANTY**

OE 0332**PERSONAL ELECTRICAL
PROTECTION EQUIPMENT SET**

Compatible with authorizations: B1L, B1VL, B1TL,
B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



OE 0311



OE 0302



OE 0303

Contents:

- OE0302: 1000V insulating gloves (x2)
- OE0303: leather overgloves for insulated gloves
- OE0311: facial protection screen for electrical arcs

OE 0342**ELECTRICAL INDIVIDUAL PROTECTION
EQUIPMENT MASTER SET****NEW**

OE 0311



OE 0302



OE 0567



OE 0303



OE 0566



OE 0305

Contents:

- OE0302: pair of 1000v insulating gloves
- OE0303: leather overgloves for insulated gloves
- OE0567: cover for gloves & undergloves
- OE0311: facial protection screen for electrical arcs
- OE0566: canvas cover for helmet or face shield
- OE0305: pneumatic inspection device to test insulating gloves



HYBRID & ELECTRIC CPE

EG 0000

COLLECTIVE PROTECTION
EQUIPMENT SET

NEW

**LIMITE DE LA ZONE DE TRAVAIL
NE PAS FRANCHIR.**

EG 0015

Contents:

- EG0013: plastic signaling chain yellow/black 25m
- EG0015: signage banner "work zone boundary" 100x20cm
- EG0032 (x2): folding safety fence



EG 0032

EG 0013

TN

EG 0001

COLLECTIVE PROTECTION
EQUIPMENT MASTER SET

NEW

**LIMITE DE LA ZONE DE TRAVAIL
NE PAS FRANCHIR.**

EG 0015

Contents:

- EG0013: plastic signaling chain yellow/black 25m
- EG0015: signage banner "work zone boundary" 100x20cm
- EG0032 (x2): folding safety fence
- EG0031: safety steering wheel cover
- OE0750: class 0 insulating mat - 100x60cm
- OE0720: insulating rescue rod 1.147cm



EG 0031



OE 0720



OE 0750



EG 0032

EG 0013

TN

EG 0012

MARKING/WORK AREA
SIGNALING PACK

**LIMITE DE LA ZONE DE TRAVAIL
NE PAS FRANCHIR.**

EG 0015

Contents:

- EG0013: yellow/black 25m plastic signaling chain
- EG0014-1 (x6): yellow and black signpost Ø40mm
- EG0014-2 (x6): base for signpost
- EG0015: signage banner "work zone boundary" 100x20cm



EG 0014-2

EG 0014-1

EG 0013

Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



OE 0756
SPRING CLIP FOR INSULATING SHEET

Accessory of OE 0755

Allows temporary protective coverings to be fixed in place such as insulating sheets (OE0755).


Specifications:

- capacity: 25mm
- dimensions: 165x18mm

Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.


OE 0755
INSULATING SHEET 3/10th 12.5x1.3m

Allows temporary insulation in order to install parts and conductors which are exposed or insufficiently insulated.



Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.
Conforms to standards ST TST BT 420 and IEC 61112 category 0 (1000V).

Specifications:

- max. voltage: 1000V AC
- material: Insulating, fireproof PVC
- thickness: 3/10th
- dimensions: 12.5x1.3m


OE 0720
INSULATED RESCUE ROD L.147cm


For the rescue of agents affected by electrification and/or dazze when repairing a voltage tester for example. Allows the injured party to be brought to safety by pulling them by the waist.

Specifications:

- operating voltage: 45,000V
- steel hook 18x1.5mm
- tensile force: 150kg

Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

Supplied with wall hooks.


OE 0750
CLASS 0 INSULATING MAT - 100x60cm


Conforms to standard IEC 61111:2009

Specifications:

- max. voltage: 1000V AC
- thickness: 1,5mm
- dimensions: 100x60cm


OE 0565
24KV INSULATING STOOL

One-piece inner insulating stool.



Stool with non-slip top
Insulated feet in solid PVC
Fixed feet: monobloc assembly
Voltage: 24kv
Height under platform: 150mm
Platform dimensions: 50x50cm
Weight: 3600kg


OE 0710
4 INSULATION CAPS Ø10mm L.60mm
Specifications:

- capacity: 3 to 10mm²
- Ø max. conductor: 6.5mm
- max. exposed length: 50mm
- semi rigid
- cross-cutting to insert the conductor to be insulated


OE 0715
4 INSULATION CAPS Ø15mm L.100mm
Specifications:

- capacity: 6 to 35mm²
- Ø max. conductor: 11mm
- max. exposed length: 90mm
- semi rigid
- cross-cutting to insert the conductor to be insulated


OE 0721
4 INSULATION CAPS Ø20mm L.120mm
Specifications:

- capacity: 20 to 70mm²
- Ø max. conductor: 15mm
- max. exposed length: 110mm
- semi rigid
- cross-cutting to insert the conductor to be insulated

Allows the exposed extremity of an insulated conductor to be isolated during work/repairs.

Conforms to standard ST BT 430



EG 0031**SAFETY STEERING WHEEL COVER**

Allows you to lock the steering wheel of vehicles subject to inspection.

NEW**Specifications:**

- diameter: 400mm

**OE 0562****DEPOSIT BAG**

Allows to lock the plugs and connectors. To be done by the authorized technician.
Lockable with a padlock.

NOTE

It is imperative for the safety of all personnel to carry out this lockout by isolating the elements connected to the battery, before any electrical work is carried out on the vehicle.

**NEW**

Must be used with the locking padlock (OE0564).

Specifications:

- nylon bag
- dimensions L.482xL.165mm

**OE 0563****LOCKING DISC****NEW**

Hole of 10mm of diameter on the upper part allowing to receive a padlock.



Must be used with the locking padlock (OE0564).

Specifications:

- Plastic disc
- Diameter: 80mm

**OE 0564****LOCKING PADLOCK**

Each lock has its own unique key.
This key opens only one lock and no other.
Supplied with 1 set of locking labels in 6 languages.

NEW**Specifications:**

- color: Orange
- handle material: Composite
- inside height of handle: 38mm
- handle diameter: 4.5mm



HYBRID & ELECTRIC ELECTRONICS

OE 0355

HYBRID AND ELECTRIC VEHICLES INTERVENTION SET

TN



OE 3010



OE 0756



OE 0700



OE 0755

Contents:

- OE0700: hybrid and electric vehicles insulated tools 1000v
- OE3010: voltage safety tester
- OE0755: insulating sheet 3/10th 12.5x1.3m
- OE0756 (x4): spring clip for insulating sheet

OE 0365

HYBRID AND ELECTRIC VEHICLES INTERVENTION MASTER SET

TN

NEW



OE 4002



OE 3010



OE 0700



OE 0755

Contents:

- OE0700: hybrid and electric vehicles insulated tools 1000v
- OE3010: voltage safety tester
- OE0755: insulating sheet 3/10th 12.5x1.3m
- OE0756 (x4): spring clip for insulating sheet
- OE4002: multimeter megohmmeter and insulation tester 1000v cat. III
- OE0710: 4 insulation caps ø10mm l.60mm
- OE0715: 4 insulation caps ø15mm l.100mm
- OE0721: 4 insulation caps ø20mm l.120mm

OE 0710
OE 0715
OE 0721

OE 0756

OE 0370

HYBRID AND ELECTRIC VEHICLES
INTERVENTIONS ROLLER CABINET + P.P.E.

NEW**PPE****NOTE**

See our jacket, pants
and safety shoes
solutions p.483

INTERVENTION**NOTE**

Details of insulated
tool inserts p.490



OE 0570

TN

STANDARD INSULATED PLIERS INSERT (3PCS)

To facilitate the handling of the insulated tools by the technician equipped with his P.P.E. (gloves and over-gloves), we have placed the tools in an adapted foam insert.

NEW

Safety: wear
indicator
Lifetime warranty



Contents:

- EG0080: foam storage tray
- OE0527: premium insulated adjustable pliers with dual rack
- OE0528: premium insulated pliers side cutter
- OE0529: premium insulated universal pliers



OE 0575

TN

SPECIFIC INSULATED PLIERS INSERT (3PCS)

To facilitate the handling of the insulated tools by the technician equipped with his P.P.E. (gloves and over-gloves), we have placed the tools in an adapted foam insert.

NEW

Safety: wear
indicator
Lifetime warranty



Contents:

- EG0080: foam storage tray
- OE0525: insulated pliers with half round nose premium elbow
- OE0526: premium insulated phone pliers with long straight half round beaks
- OE0560: insulated cable cutter



OE 0580

TN

INSULATED PLIERS INSERT 5-14mm (10 PCS)

To facilitate the handling of the insulated tools by the technician wearing his P.P.E. (gloves and over-gloves), we have positioned the tools in an adjusted foam insert.

NEW

Safety: wear
indicator
Lifetime warranty



Contents:

- EG0080: foam storage tray
- OE0505 to OE0514: open end insulated wrench premium (5mm to 14mm)



OE 0585

TN

OPEN END INSULATED WRENCH INSERT 15-24mm (10PCS)

To facilitate the handling of the insulated tools by the technician wearing his P.P.E. (gloves and over-gloves), we have positioned the tools in an adjusted foam insert.

NEW

Safety: wear
indicator
Lifetime warranty



Contents:

- EG0080: foam storage tray
- OE0515 to OE0524: open end insulated wrench premium (15mm to 24mm)



OE 0590

TN

INSULATED RATCHET HEX SOCKET 1/2" INSERT

To facilitate the handling of the insulated tools by the technician equipped with his P.P.E. (gloves and over-gloves), we have placed the tools in an adapted foam insert.

NEW

**Contents:**

- EG0080: foam storage tray
- OE0568: insulated ratchet 1000v 1/2"
- OE0248 to OE0264: 1/2" double hex insulated socket (8mm to 24mm)



OE 0595

TN

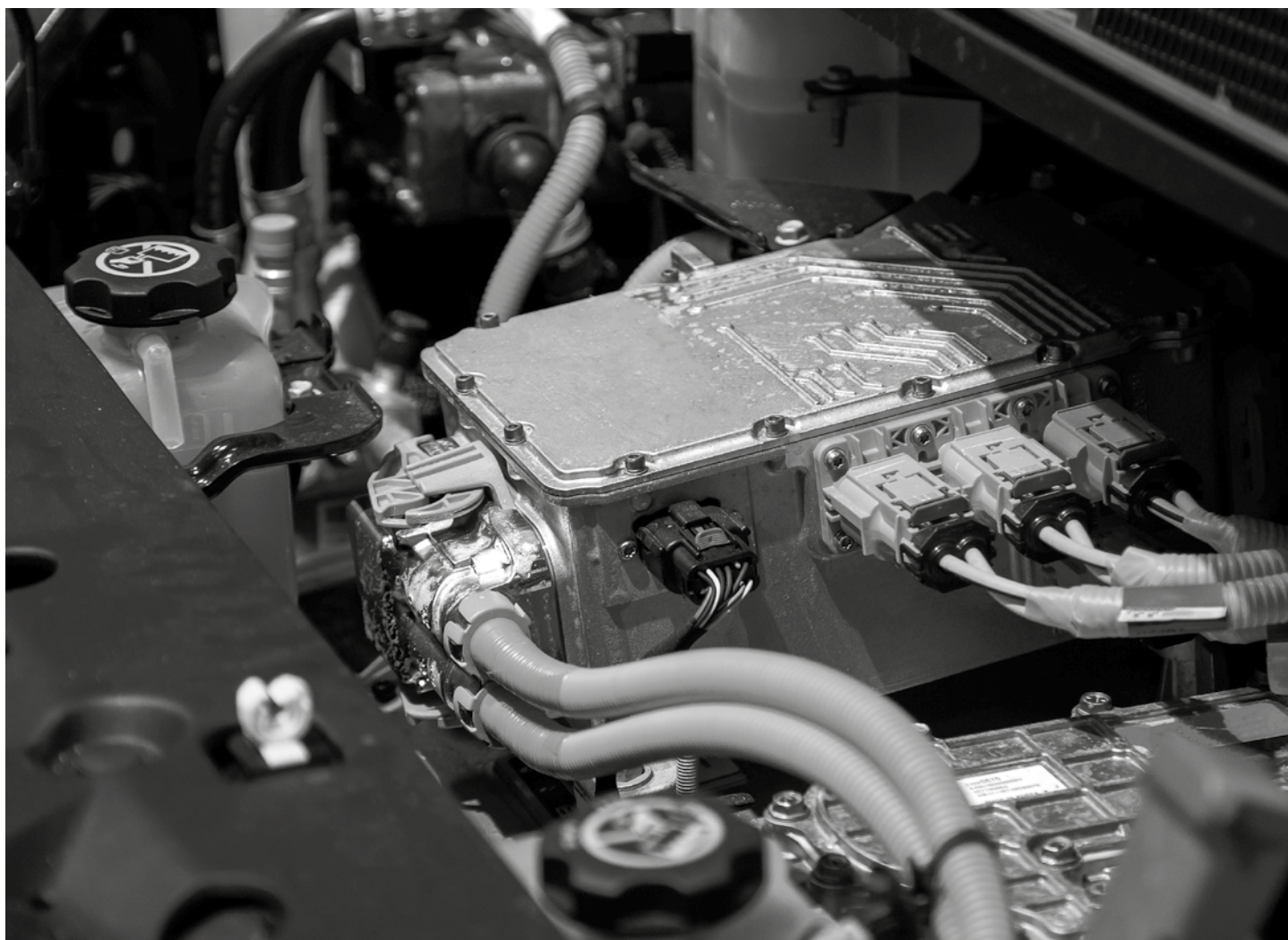
INSULATED RATCHET AND DOUBLE HEX SOCKET 3/8" INSERT

To facilitate the handling of the insulated tools by the technician equipped with his P.P.E. (gloves and over-gloves), we have placed the tools in an adapted foam insert.

NEW

**Contents:**

- EG0080: foam storage tray
- OE0711: insulated ratchet 1000v 3/8"
- OE0231 to OE0247: 3/8" double hex insulated socket (8mm to 24mm)





PREMIUM INSULATED TOOLS

Safety: wear indicator
Lifetime warranty

Specific steel alloys selection and use

The selection of high quality steels combined with a Chrome Vanadium treatment guarantees exceptional strength and durability.

Tools designed to endure high mechanical demands.

Chrome finish

For optimal anti-rust resistance.

Wide safe areas

Very robust in insulating material to avoid slipping towards conductive parts.

Orange outer insulating layer

Non-removable, shockproof and fireproof, it ensures a good grip even with the use of insulating gloves

Robust red insulating layer, unbreakable and non-removable

Directly molded on the tool, it ensures a total and permanent tool insulation.

Reinforced handle ends

Several layers of PVC protect the tool against impacts. The "drop effect" at the end of the sleeve is reduced to a minimum and avoids weak areas.



- A color difference is applied between both insulating layers to allow a visual control of the whole tool in order to confirm its good use in electrical environment as recommended by the UTE18-510 and the IEC 60900 standards.

WHEN THE ORANGE LAYER IS DAMAGED AND THE RED LAYER IS VISIBLE = DANGER.

- The thickness of the insulated layers is based on the weight of the tools in order to provide optimal resistance.

- The tools are built to resist extreme temperatures from -20 to +70°C

- Each tool is certified for 10.000V AC and approved for 1000V AC for low voltage networks.

- Multiple inspections at each stage of production in addition to the IEC 60900 standard inspections.

OE 0525

TN

INSULATED PLIERS WITH HALF ROUND NOSE PREMIUM ELBOW

Allows easy bending of electrical wires.
Suitable for operations requiring a precise grip and cut.
Better accessibility to the work area due to the angle of the jaws.



NEW



Insulated pliers 1000V.

Specifications:

- standard: NF EN 60900 / CEI 60900 / NF ISO 5743 / NF ISO 5744 / NF ISO 5745
- cutting edge hardness: 60HRC
- cutting edge: axial cut
- inside jaws: grooved
- jaws: half round bent at 45°
- cutting capacity: medium hard steel wire 160 kg/mm²: 1.6mm
- high performance steel: chrome vanadium

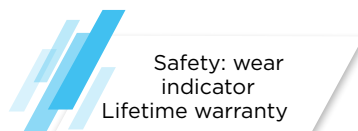


OE 0526

TN

PREMIUM INSULATED PHONE PLIERS WITH LONG STRAIGHT HALF ROUND BEAKS

Allows easy bending of electrical wires.
Suitable for work requiring precision gripping and cutting.
Length of jaws adapted to reach hard-to-reach parts.



NEW



Pliers with long straight half-round tips. Insulated 1000V.

Specifications:

- standard: NF EN 60900 / CEI 60900 / NF ISO 5743 / NF ISO 5744 / NF ISO 5745
- cutting edge hardness: 60HRC
- cutting edge: axial cut
- inside jaws: grooved
- cutting capacity: medium hard steel wire 160 kg/mm²: 1.6mm
- high performance steel: chrome vanadium



OE 0527

TN

PREMIUM INSULATED ADJUSTABLE PLIERS WITH DUAL RACK

Adjustable pliers with a hinge on top of each other, no risk of misalignment and increases the safety of the clamps.
Strong shape, thanks to its curved tip and slim shape, creates accessibility in tight spaces.
Self-locking on pipes and nuts for safe working and energy saving.



NEW



Insulated adjustable joint 1000V.

Specifications:

- standard: NF EN 60900 / CEI 60900 / NF ISO 8976 / NF ISO 5744
- high performance steel: chrome-vanadium
- hardness inside the jaws: 60HRC
- double rack: 7 positions
- work range: from 5 to 36mm
- jaw opening: 28mm



OE 0528

TN

PREMIUM INSULATED PLIERS SIDE CUTTER

To cut copper, aluminum and hard steel wires.
Arm profiles and cutter angles adapted to the transmission of high cutting forces.
Induction treatment of the cutting edges for a long life of the jaws.



NEW



Insulated cutting pliers 1000V.

Specifications:

- standard: NF EN 60900 / CEI 60900 / NF ISO 5743 / NF ISO 5744 / NF ISO 5745
- cutting edge hardness: 60HRC
- cutting edge: axial cut
- inside jaws: grooved
- cutting capacity: medium hard steel wire 160 kg/mm²: Ø1.6mm
- high performance steel: chrome-vanadium
- cutting capacity: hard steel wire 200 kg/mm²: Ø1.8mm



OE 0529

TN

PREMIUM INSULATED UNIVERSAL PLIERS

Insulated premium pliers 1000V multipurpose (tightening, bending, cutting).

NEW



Safety: wear indicator
Lifetime warranty

Specifications:

- Standards: NF EN 60900 / CEI 60900 / NF ISO 5743 / NF ISO 5744 / NF ISO 5746
- Cutting capacity: Medium hard steel wire 160 kg/mm²: Ø 1,6mm
- Length (mm) 185
- Induction treatment of the forging of the cutting edges, allowing a long life of the jaws
- Cutting edge hardness: 60HRC
- Chrome plated finish for high corrosion protection thanks to a succession of 5 baths
- No play in the axis for a perfect alignment of the cutting edges guaranteeing an optimal cutting quality



OE 0560

TN

PREMIUM INSULATED CABLE CUTTER

Insulated cable cutter and stripping. For cutting copper and aluminum cables of small cross section. Also allows stripping of small section cables.

Safety: wear indicator
Lifetime warranty

NEW



Specifications:

- opening: 16mm
- length: 205mm
- copper: 16mm².
- aluminum: 35mm²
- weight: 340g

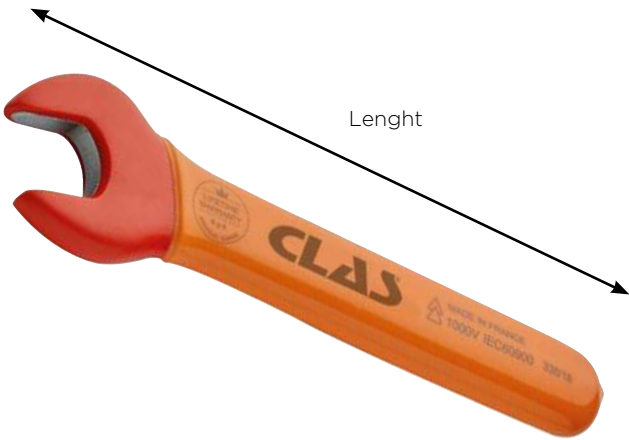


OPEN END INSULATED WRENCH PREMIUM

TN

NEW

Ref	Name	Lenght
OE 0505	OPEN END INSULATED WRENCH 5mm PREMIUM	80 mm
OE 0506	OPEN END INSULATED WRENCH 6mm PREMIUM	104 mm
OE 0507	OPEN END INSULATED WRENCH 7mm PREMIUM	104 mm
OE 0508	OPEN END INSULATED WRENCH 8mm PREMIUM	107 mm
OE 0509	OPEN END INSULATED WRENCH 9mm PREMIUM	112 mm
OE 0510	OPEN END INSULATED WRENCH 10mm PREMIUM	120 mm
OE 0511	OPEN END INSULATED WRENCH 11mm PREMIUM	130 mm
OE 0512	OPEN END INSULATED WRENCH 12mm PREMIUM	130 mm
OE 0513	OPEN END INSULATED WRENCH 13mm PREMIUM	135 mm
OE 0514	OPEN END INSULATED WRENCH 14mm PREMIUM	140 mm
OE 0515	OPEN END INSULATED WRENCH 15mm PREMIUM	147 mm
OE 0516	OPEN END INSULATED WRENCH 16mm PREMIUM	150 mm
OE 0517	OPEN END INSULATED WRENCH 17mm PREMIUM	157 mm
OE 0518	OPEN END INSULATED WRENCH 18mm PREMIUM	160 mm
OE 0519	OPEN END INSULATED WRENCH 19mm PREMIUM	166 mm
OE 0520	OPEN END INSULATED WRENCH 20mm PREMIUM	172 mm
OE 0521	OPEN END INSULATED WRENCH 21mm PREMIUM	180 mm
OE 0522	OPEN END INSULATED WRENCH 22mm PREMIUM	184 mm
OE 0523	OPEN END INSULATED WRENCH 23mm PREMIUM	186 mm
OE 0524	OPEN END INSULATED WRENCH 24mm PREMIUM	204 mm



Safety: wear indicator
Lifetime warranty





NEW

1/2" DOUBLE HEX INSULATED SOCKET

Ref.	Name	Lenght
OE 0248	1/2" DOUBLE HEX INSULATED SOCKET 8mm	55 mm
OE 0249	1/2" DOUBLE HEX INSULATED SOCKET 9mm	55 mm
OE 0250	1/2" DOUBLE HEX INSULATED SOCKET 10mm	55 mm
OE 0251	1/2" DOUBLE HEX INSULATED SOCKET 11mm	55 mm
OE 0252	1/2" DOUBLE HEX INSULATED SOCKET 12mm	55 mm
OE 0253	1/2" DOUBLE HEX INSULATED SOCKET 13mm	52 mm
OE 0254	1/2" DOUBLE HEX INSULATED SOCKET 14mm	55 mm
OE 0255	1/2" DOUBLE HEX INSULATED SOCKET 15mm	53 mm
OE 0256	1/2" DOUBLE HEX INSULATED SOCKET 16mm	55 mm
OE 0257	1/2" DOUBLE HEX INSULATED SOCKET 17mm	54 mm
OE 0258	1/2" DOUBLE HEX INSULATED SOCKET 18mm	54 mm
OE 0259	1/2" DOUBLE HEX INSULATED SOCKET 19mm	55 mm
OE 0260	1/2" DOUBLE HEX INSULATED SOCKET 20mm	55 mm
OE 0261	1/2" DOUBLE HEX INSULATED SOCKET 21mm	55 mm
OE 0262	1/2" DOUBLE HEX INSULATED SOCKET 22mm	55 mm
OE 0263	1/2" DOUBLE HEX INSULATED SOCKET 23mm	55 mm
OE 0264	1/2" DOUBLE HEX INSULATED SOCKET 24mm	57 mm



NEW

3/8" DOUBLE HEX INSULATED SOCKET

Ref.	Name	Lenght
OE 0231	3/8" DOUBLE HEX INSULATED SOCKET 8mm	45 mm
OE 0232	3/8" DOUBLE HEX INSULATED SOCKET 9mm	45 mm
OE 0233	3/8" DOUBLE HEX INSULATED SOCKET 10mm	45 mm
OE 0234	3/8" DOUBLE HEX INSULATED SOCKET 11mm	45 mm
OE 0235	3/8" DOUBLE HEX INSULATED SOCKET 12mm	45 mm
OE 0236	3/8" DOUBLE HEX INSULATED SOCKET 13mm	45 mm
OE 0237	3/8" DOUBLE HEX INSULATED SOCKET 14mm	48 mm
OE 0238	3/8" DOUBLE HEX INSULATED SOCKET 15mm	48 mm
OE 0239	3/8" DOUBLE HEX INSULATED SOCKET 16mm	48 mm
OE 0240	3/8" DOUBLE HEX INSULATED SOCKET 17mm	43 mm
OE 0241	3/8" DOUBLE HEX INSULATED SOCKET 18mm	47 mm
OE 0242	3/8" DOUBLE HEX INSULATED SOCKET 19mm	47 mm
OE 0243	3/8" DOUBLE HEX INSULATED SOCKET 20mm	46 mm
OE 0244	3/8" DOUBLE HEX INSULATED SOCKET 21mm	48 mm
OE 0245	3/8" DOUBLE HEX INSULATED SOCKET 22mm	49 mm
OE 0246	3/8" DOUBLE HEX INSULATED SOCKET 23mm	49 mm
OE 0247	3/8" DOUBLE HEX INSULATED SOCKET 24mm	49 mm



OE 0568

INSULATED RATCHET 1000V 1/2"



NEW

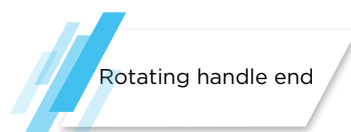


TN

OE 0561

INSULATED TORX SCREWDRIVER T30

The screwdriver has a perfectly round handle end providing to the user an excellent grip and working comfort. This end of the handle is also rotatable which facilitates the tightening approach: the rotating ball of the handle is held in the palm and the fingers control the rotation. Thanks to the cutting of the blade, there is no extra thickness of insulation on the upper part of the blade to reach the screws housed in fine wells.



NEW

Specifications:

- standard: EN 60900 / IEC 60900 / ISO2380-1 / ISO8764-1.
- blade: high performance hardened steel: chrome molybdenum.
- treatment: insulation sheath integral with the handle, directly injected on the blade.
- dimension: L.225mm



TN

OE 0711

INSULATED RATCHET 1000V 3/8"

Spare part of OE 0700



TN

OE 0700**HYBRID AND ELECTRIC VEHICLES INSULATED TOOLS 1000V****Contents:**

- OE0701: socket 7mm insulated 1000V 3/8"
- OE0702: socket 8mm insulated 1000V 3/8"
- OE0703: socket 10mm insulated 1000V 3/8"
- OE0704: socket 12mm insulated 1000V 3/8"
- OE0731: socket 13mm insulated 1000V 3/8"
- OE0705: socket 14mm insulated 1000V 3/8"
- OE0706: socket 15mm insulated 1000V 3/8"
- OE0707: socket 17mm insulated 1000V 3/8"
- OE0708: socket 19mm insulated 1000V 3/8"
- OE0709: socket 22mm insulated 1000V 3/8"
- OE0711: insulated ratchet 1000V 3/8"
- OE0712: insulated extension 1000V 3/8"
- OE0713: insulated T-handle 1000V 3/8"
- OE0714: insulated cutter 1000V
- OE0716: 4x100 slotted screwdriver insulated 1000V
- OE0717: 5.5x125 slotted screwdriver insulated 1000V
- OE0718: 1x100 Phillips screwdriver insulated 1000V
- OE0719: 2x100 Phillips screwdriver insulated 1000V
- OE0722: open end wrench 7mm insulated 1000V
- OE0723: open end wrench 8mm insulated 1000V
- OE0724: open end wrench 10mm insulated 1000V
- OE0725: open end wrench 12mm insulated 1000V
- OE0732: open end wrench 13mm insulated 1000V
- OE0726: open end wrench 14mm insulated 1000V
- OE0727: open end wrench 17mm insulated 1000V
- OE0728: insulated combination pliers 1000V
- OE0729: insulated cutting pliers 1000V
- EVA case

**OE 4002****MULTIMETER MEGOHMETRE AND INSULATION TESTER 1000V CAT. III**

Measures higher voltages and insulation resistances for electrical equipment than classic multimeters.
Ideal for hybrid and electrical vehicles.



High voltage, adapted
to hybrid and electrical
vehicles

Specifications:

- DC voltage: 600mV-6V-60V-600V-1000V
- AC voltage: 600mV-6V-60V-600V-750V
- DC current: 60mA-400mA
- AC current: 60mA-400mA
- resistance: 600ohm-6kohm-60kohm-600kohm-6Mohm-60Mohm
- capacitance: 6nF-60nF-600nF-6μF-60μF-600μF-6mF-60mF
- temperature: -30 to 1300°C
- insulation resistance: 50V (5-50Mohm) - 100V (0-100Mohm) - 250V (0-250Mohm) - 500V (0-500Mohm) - 1000V (0-2Gohm)
- calculation of the dielectric reabsorption ratio (DRR) and the automatic polarization index (PI)
- display of min. med. and max. values
- battery: 4 AA 1.5V batteries

Compatible with : B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.

**OE 3010****VOLTAGE SAFETY TESTER**

The voltage safety tester allows to verify the lack of voltage on a electric circuit before an intervention.
Essential equipment for buildings or electrical vehicles (verifying absence of voltage).
Delivered with IP2X key tip.
It allows voltage on a circuit to be checked in accordance with standards: NF C18-510 and IEC 61243-3VAT/DDT.

Specifications:

- continuity test
- differential circuit breaker test 30mA
- moisture and dust proof
- voltage test: 2 at 690V AC/DC and 750V DC with noise emission for range change
- auto AC/DC
- resistance measurements until 2kΩ
- continuity noise test until 2kΩ
- frequency of use: DC 50-60Hz and 400Hz
- self-test of probes, cords, displays, 9V battery
- low impedance output: 390kΩ
- probes center distance: 19mm (for circuit breakers)

Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



HYBRID & ELECTRIC SIGNS

EG 0017

SIGNPOSTING REEL 20m



To signal and define a pit or a dangerous area.
Reduces the risk of accidents.

- equipped with a hook to facilitate the delimitation
- anti-UV band
- band width: 40mm
- 180° wall support
- stop device every 50cm



EG 1050

ADHESIVE SIGNALING AND SAFETY VINYL TAPE 33m W.50mm

With yellow and black hatched markings, allows security equipment or evacuation routes to be marked out, draws attention to steps on a staircase, allows areas or dangerous substances to be signaled, etc.

Compatible with authorizations: B1L, B1VL, B1TL, B2L, B2VL, B2TL, BCL, BEL, BRL, B1XL, B2XL.



Specifications:

- width: 50mm
- thickness: 0.129mm
- adhesion to steel: 210cN/cm
- load at rupture: 2.3daN/cm
- elongation at rupture: 180%



EG 0033

ELECTRICAL SAFETY STAND

Used to alert an area of potential electrical danger.

NEW



WHAT TO DO IN CASE OF AN ACCIDENT:

1 - PROTECT

- avoid over-accident

2 - ALERT

- alert or notify qualified emergency services
- emergency numbers:
 - Europe: 112
 - America: 911
 or check each country emergency numbers

3- RESCUE

- Remove the victim from any contact with live bare parts by a qualified person
- this operation must be carried out using the appropriate equipment (body pole, insulating stool, insulating gloves, etc.)

HYBRID & ELECTRIC LIFTING

HYBRID & ELECTRIC REELS & LOAD

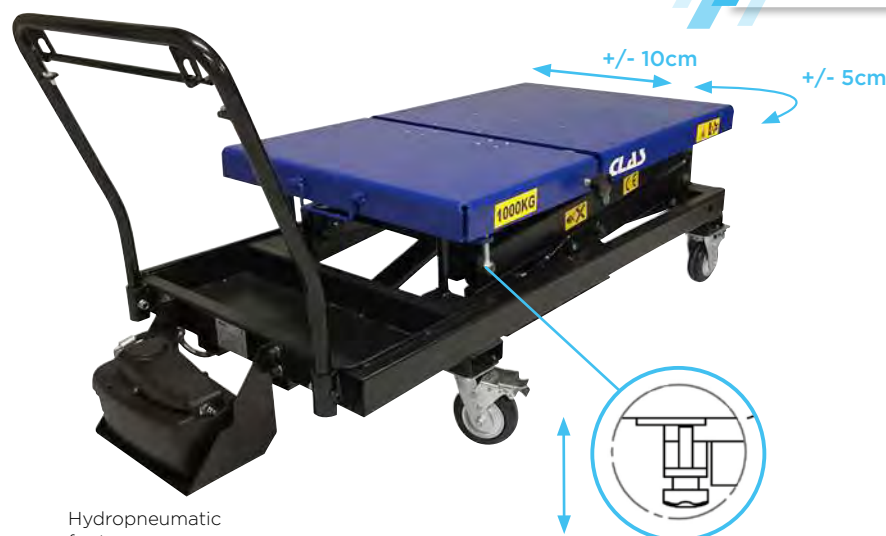
OH 1301

LIFTING TABLE FOR EV/HYBRID BATTERIES AND HEAVY COMPONENTS

The table facilitates the management of the installation or removal of batteries on electric cars, as well as various components. It can support loads of up to 1000kg. Made in Europe.

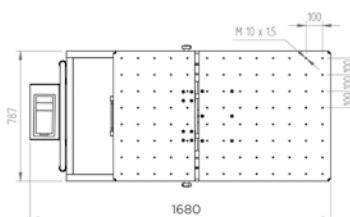
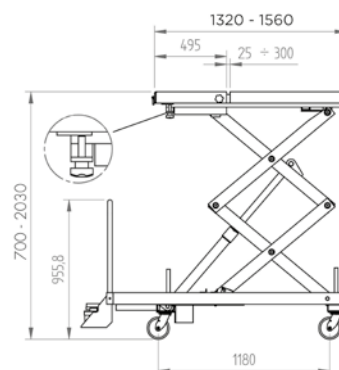


Load up to 1T



Hydropneumatic foot pump

Tilt adjustment



Specifications:

- h. min.: 700mm
- h. max.: 2030mm
- unloaded rise time: +/-50s
- unloaded descent time: +/-15s
- weight: 440kg

A pneumatic control system allows effortless, fast and precise control of the height. The dead man type descent secures the operator. The plate extends in three positions for a maximum surface area of 1560mmx787mm, and is threaded M10x1.5 to receive various accessories for the removal of components. The flatness of the table is adjustable in 2 points for high positioning accuracy, inclination degree +/- 5%, the table is also laterally movable by +/- 5cm and laterally by +/- 10cm.

Max. T
1
2
WARRANTY

Charging status via wifi connection

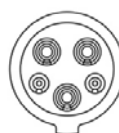
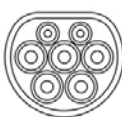


- blue: in charge
- green: charging finish
- red: error

Allows the vehicle to be recharged during the operation. Safe and functional, this incorporated callbox reel is destined to recharging electric vehicles. It works with wifi connection which allows to follow up power and recharge with a smartphone. It is compliant to Mode 3 of international standard IEC 61851-1. A European standard charging socket VDE-AR-E-2623-2-2 Type 2. MAX 16A 230V. It can be used both for single-phase and three-phase charging operations.

OE 2000

TYPE 2 WALLBOX WIFI REEL FOR ELECTRIC VEHICLE POWER SUPPLY



OE 2001

TYPE 1 WALLBOX WIFI REEL FOR ELECTRIC VEHICLE POWER SUPPLY

4 m 230V 2 WARRANTY

4 m 230V 2 WARRANTY

BODY REPAIR



HEADLIGHTS

P.500



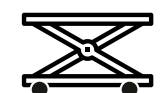
AUTO GLASS

P.504



BODYWORK HANDLING

P.517



BODYWORK LIFTING

P.519



WELDING & CUTTING

P.521



HEADLIGHT ADJUSTMENT

AC 2005BL

STANDARD HEADLIGHT ADJUSTMENT DEVICE



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



2
WARRANTY

TN

AC 2013

DUAL LASER HEADLIGHT
ADJUSTMENT DEVICE



Specifications:

- laser-type aligner (SA2037) compliant with standard EN 60825
- digital luxmeter
- alu column (collapsible) graduated from 20 to 150cm
- sliding regulating mechanism
- thermoplastic housing with tilt adjustment
- laser aligner power supply: 3 1.5V batteries (supplied)
- dimensions: L.712xW.580xH.1810mm
- UTAC NFR 63801 standard

Functions:

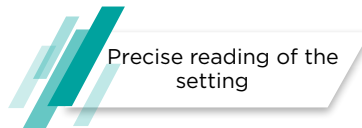
- control and measurement of the closing mechanism 0-4%
- control of the lateral adjustment $\pm 5\text{cm}/10\text{m}$
- measurement of the illumination intensity 0-150klux/1m, 0-240lux/25m
- intervention on headlights (xenon, halogen, LED...), anti-fog

2
WARRANTY

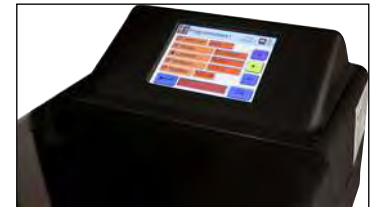
TN

AC 3010**DUAL LASER/CAMERA HEADLIGHT ADJUSTER**

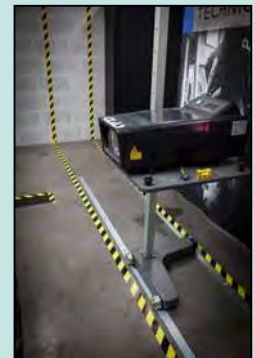
- checks and carries out automatic diagnostics of dipped, full beam and anti-fog beams regardless of the type of headlight: LED (Matrix, Intelligent...), xenon, halogen...
- allows the beam to be checked and automatically measured (using a camera) when lowered and in lateral mode. It also allows you to measure the illumination intensity.
- centering of the housing using cross-form lasers.
- conforms to the standard UTAC NFR 63-801



Flash to
watch the
video !

**OPTION****SA 3032****RAILS AND
WHEELS KIT**

Spare part of AC 3010



**NO
WARRANTY**

Specifications:

- measuring range:
- Top and bottom alignment 0-6% (accuracy +/- 0,1%)
- Right and left alignment 0-10% (accuracy +/- 0,2%)
- light intensity: 150kcd
- 360° rotating aluminum column
- counterweight upward and downward motion
- 3-axis inclinometer compensating for irregularities in the ground electronically
- adjustable castors compensating for significant differences in ground levels

- housing height sensor
- ICD color tactile 5.7" screen
- integrated printer: Registration number/date/test result
- 12V rechargeable battery
- automatic standby
- simple and quick software updates (using a USB key)
- connections: RS232, WiFi, Bluetooth
- communication protocol: Net1, Net2
- dimensions: L.695xI.660xH.1780mm

**2
WARRANTY**



OM 0416**VAG HEADLIGHT ADJUSTMENT TOOL**

Designed to tighten/loosen the adjustment knob specific to VAG front headlights.

Applications:

Audi: A4 8K, A5 8T, A6 4G
VW: Passat, Touareg

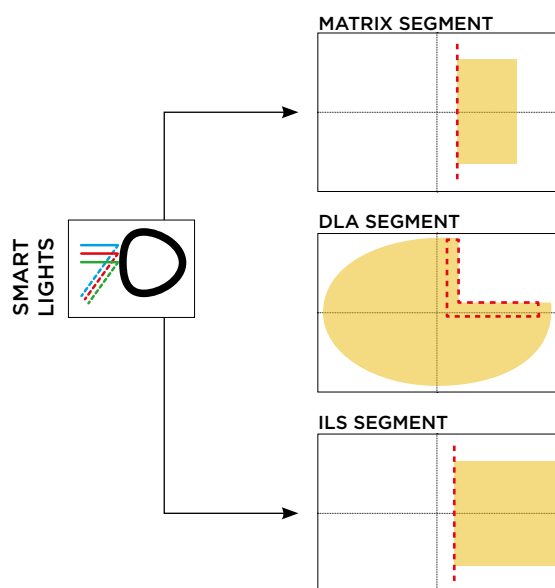
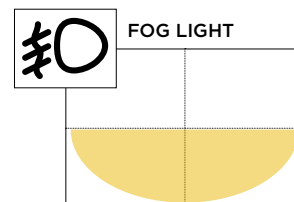
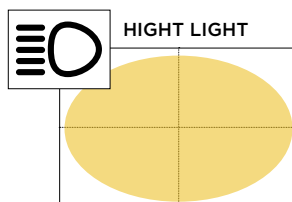
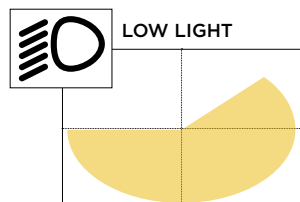


Double hex Ø13mm with guide

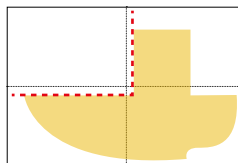
**MORE****MATRIX - DLA - ILS : the added segments**

The evolution of headlamps has led car manufacturers to create lighting modules with different construction characteristics.

The projections established by current regulations remain unchanged (low, high and fog lights), but a fourth projection must be checked depending on the vehicle manufacturer.

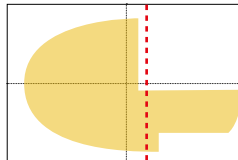
**Ajustement : the diagnostics**

If there are added segments on the vehicle, the necessary condition for adjusting and controlling the position is to connect to the control unit via diagnostics at the ODB socket and set the adjustment mode. The reference parameters for adjusting the added segments are defined by the car manufacturer and the vehicle under test. Any operation performed on the sentences without the connection to diagnostics will be cancelled when the vehicle is started.

2020 upgrade : new segments!**MATRIX HD**

With the evolution of cars and in fact, their optics, new segments have appeared recently and our AC 3010 headlamp will allow you to adjust them.

Reminder: an annual update of the headlight is to be carried out. If you bought your unit before 2020, these new segments will be available with the update.

90° HORIZONTAL**The different types of lights existing in an optical compartment:**

- halogen light
- xenon light
- LED light
- laser light

HEADLIGHT RESTORATION

OP 1429

3" MINI POLISHER KIT Ø75mm

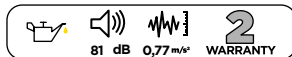


Connector supplied

Specifications:

- speed: 3,200rpm
- pad size: 75mm
- spindle thread: M6x100
- air consumption: 170l/min
- length: 115mm

SA1429 : velcro sanding pad Ø75mm



OP 1428

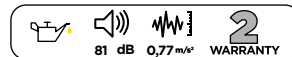
MINI ORBITAL SANDER KIT Ø50-75mm



Connector supplied

Specifications:

- speed: 15,000rpm
- pad size: 50-75mm
- length: 108mm
- spindle thread: M6x100
- air consumption: 170l/min



CO 1002

PLASTIC PRIMARY
SPRAY 400ml

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

Colour: transparent



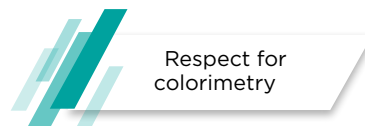
CO 1004

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.





BODY REPAIR ROLLER CABINET

EG 8888

BODY REPAIR ROLLER CABINET



NEW

Contents:

EG0087 : 1 x 7 drawers roller cabinet
 OM0174 : 1 x ball pin hammer 440gr
 OC0811 : 1 x hammer + block set (7 pcs)
 OM0749BL : 1 x riveting pliers
 SA0115 : 1 x plastic chisel
 OC0033 : 1 x trim clip plier
 OP0099 : 1 x straight blowgun pen
 OM8081 : 1 x lock grip plier 190mm
 OM8080 : 1 x lock grip pliers 225mm
 OP1510 : 1 x 1/4"-3/8" d. mini ratchet wrench kit
 OP1203 : 1 x mini die grinder ø6mm 25,000rpm
 OM0643 : 1 x 5 carbide rotary rasps box
 EG0680 : 1 x 25pcs drill set hss cobalt 5%
 OP1450 : 1 x ø10mm reversible drill
 EG8009 : 1 x dispenser/hand towel roll stand for drawers
 EG8001 : 1 x metal workshop waste for drawer
 OS3200 : 1 x ratchet insert 1/4" (59pcs)
 OS4100 : 1 x combination wrench insert 6-24mm (17 pcs)
 OS3000 : 1 x 1/2" ratchet insert (23 pcs)
 OS5000 : 1 x plier insert (4pcs)
 OS1000 : 1 x screwdriver insert (8 pcs)
 OS1100 : 1 x 7 pcs torx screwdriver insert t10-40
 OS0850 : 1 x hammering insert (10 pcs)
 OS2000 : 1 x hex t-handle wrench insert 3-10mm (7 pcs)
 OC1700BL : 1 x windscreen wiper remover
 OC0302 : 1 x scraper and utility knife set
 OC8078 : 1 x 5 pcs nylon trim removal set



OS 3200



OS 4100



OS 3000



OS 5000



OS 1000



OS 1100



OS 0850



OS 2000



WINDSCREEN CUTTING

OC 1710

UNIVERSAL WINDSCREEN WIPER EXTRACTOR



Contents:

- 4 cage extractors Ø26-30mm/Ø31-35mm/Ø36-40mm/Ø36-46mm, internal 45mm, hexagonal drive 12mm
- 1 extractor with internal grips 18-40mm, internal 45mm, hexagonal drive 12mm

2
WARRANTY

OC 1700BL

WINDSCREEN WIPER REMOVER

Lets you handle all supports with very effective force.



Small size

B.LINE



NO
WARRANTY

EG 0002

WINDSCREEN WASHER NOZZLE CLEANING TOOL



Specifications:

- dimensions:
950mm with protective cap
870mm without protective cap
- tool diameter: 6mm
- cleaning needle and tracer needle: 0.5mm
- needle length: 13mm

NO
WARRANTY

OC 1500

2-HANDLE LINE CUTTER KIT

A set of 2 handles allows to pull the inserted wire in the joint with the help of a needle.



Contents:

- OC2900: pair of pulling handles
- OC2100: sawing wire 0.8mmx0.8mmx44m
- OC4500: hollow starting needle

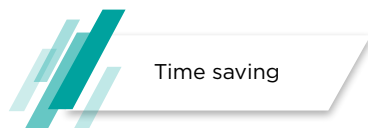


OC 1401

ONE-MAN WINDSCREEN REMOVAL KIT

Central suction cup with spring-loaded return lever mounted on swiveling arm.

The device replaces the second technician to pull the wire to be cut inside the vehicle, fixed with the suction cup in the center of the windshield, the spring system pulls the wire step by step while the technician pulls the wire from outside.



Contents:

- OC1399: 1 suction cup
- SA4103: 1 reel spring
- OC2100: 1 reel 22m braided line
- OC4500: 1 starting needle
- OC2900: 2 pulling handles



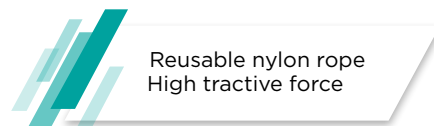
OC 6498

WINDSCREEN CUTTER MONO SUCTION CUP

Accessory of OC 2900/OC 4500/OC 0600/OC 0200/OP 0500/OP 0714/OP 5060/OC 2100/OC 3100/OC 3401/OC 1100

This single suction cup kit with pump allows, thanks to the nylon thread, to remove the windcreens without damaging the gaskets, so it is not necessary to disassemble them. The gasket is cut by pulling a wire (or cable) operated by a ratchet system. This suction cup, due to its small size, allows you to work on the windcreens, rear windows and the side panels of a vehicle. Easy to use, it allows a quick intervention (a few minutes) by a single operator and without any physical effort.

This tool has been certified by a large number of car makers.



Specifications:

- universal: compatible with nylon and steel wire (all types: braided, square and triangular)
- traction capacity 200kg (compared to 100kg for steel cable)
- up to 8 cuts before changing the nylon thread

Contents:

- mono suction cup cable traction system with ratchet
- OC4100: windscreen line inserter
- nylon wire drawer 25m
- protective glasses



OC 2100SAWING WIRE
0.8mmx0.8mmx44m**OC 3100**CUTTING WIRE
0.7mmx0.7mmx44m**OC 3401**TRIANGULAR WIRE
REEL 50m**OC 1100**NYLON WIRE
DRAWER 50m**OC 4100**

WIRE THREADER

**OC 6000**

WIRE GUIDE



75mm length of flat side

**OC 4500**HOLLOW STARTING
NEEDLE**OC 2900**

PAIR OF PULLING HANDLES



Quick-lock handles



OC 0501

ROPE INSERTION TOOL



Length of the insertion rope: 6m



TN

OC 0502

WINDSCREEN GASKET ROLLER TOOL



With its selection of ends, it allows you to position the gasket.



TN

OC 0200

HAND CUTTER FOR WINDSCREEN CUTTING

Ergonomic sheathed knife for cutting the windshield seal by pulling the blade.



Supplied with 25mm blade

Specifications:

- grooved metal
- t-shaped handle, hose



OC 7025 6 PCS 25mm BLADE SET

OC 7038 7 PCS 38mm BLADE SET



TN

OP 0500

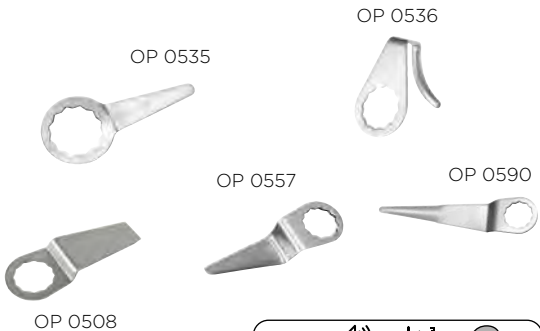
PNEUMATIC KNIFE

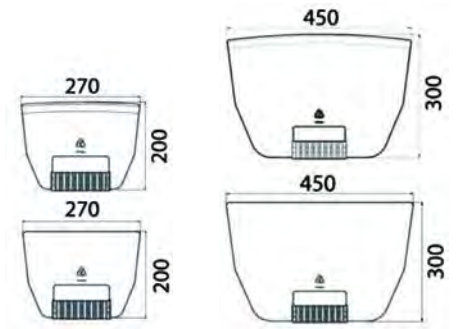


Supplied with conector and 1 OP0557 blade

- oscillations/min: 20000
- length: 192mm
- supply pressure: 6.2bar
- consumption: 113l/min
- net weight: 1kg

OP 0508	SCRAPER BLADE 8mm	Accessory of OP 0500
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



OC 1409**KIT OF 4 WINDSCREEN PROTECTORS****NO**
WARRANTY**CO 1050****12 CRIMPING NOZZLES**
6-12mm Ø15x1,5mm L.100mm

Output waist width:
adjustable from 6 to 12 mm
Adjustable deportation from
0 to 9 mm
Possible cutting right side/
left side

CO 1052**12 V-SHAPED NOZZLES**
10mm Ø15x1,5mm L.58mm**CO 1056****12 TAPERED NOZZLES**
Ø15x1,5mm L.105mm**NO**
WARRANTY**OC 5071****CARTRIDGE AND BAGS GUN 340mm 12:1**

For the application of silicons, adhesives and putties
in 310ml cartridges and 300 and 400ml bags.



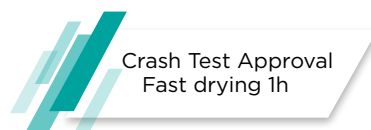
Supplied with 1 plastic
spout SA5065

Specifications:

- aluminum handle, body and ring
- ratio: 12:1
- max. thrust: 4000Nm
- total length: 340mm

2
WARRANTY**CO 1041****SCREEN ADHESIVE CARTRIDGE 290ml**

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

**Specifications:**

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

**290**
ml **NO**
WARRANTY

OP 5061

AIR CAULKING GUN

For the application of silicones, glues and putties with 310ml cartridges.



Connector supplied

Specifications:

- aluminum body
- total length: 325mm
- 1/4" connection
- supply pressure: 5bar
- progressive trigger to enable speed control



OP 5060

PNEUMATIC GUN FOR 370mm CARTRIDGES AND BAGS

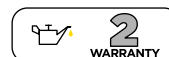
For silicones, glues, putties application with 310ml cartridges and 300,400 and 600ml bags.



Connector and plastic spout supplied

Specifications:

- aluminum body and ring
- total length: 470mm
- length: 370mm
- height: 270mm
- sound level: 80dB
- air pressure inlet regulator from 4 to 8bar (10bar maximum) with 1/4" connection
- valve strength: 160kgf to 8bar
- progressive trigger to enable speed control



TN



Blade width: 38mm
Blade height: 19mm

OC 0305

RETRACTABLE SCRAPER

OC 0306

RETRACTABLE SCRAPER + 100 BLADES

Contents:

OC0305 : 1 x retractable scraper
OC5497 : 1 x 100 scraper blade set

NO
WARRANTY**OC 0302**

SCRAPER AND UTILITY KNIFE SET

TN

**Contents:**

- 1 cutter
- 5 straight blades 12mm (OC5301)
- 5 straight blades 16mm (OC5302)
- 5 straight blades 20mm (OC5303)
- 5 bevelled blades 16mm (OC5304)
- 5 trapezoidal blades (OC5305)

NO
WARRANTY**OC 0303**SCRAPER WITH HANDLE
+ 100 BLADES

TN



Blade width: 38mm
Blade height: 19mm

Contents:

OC0304 : 1 x scraper with handle
OC5497 : 1 x 100 scraper blade set



OC 0304 SCRAPER WITH HANDLE

NO
WARRANTY**OC 2204**UNIVERSAL GEL FOR ATTACHING RAIN
SENSOR/LIGHT SENSOR (single dose)

TN

NO
WARRANTY**OC 0301**100 WINDSCREEN
PREPARATION TOOL SET

TN

NO
WARRANTY

WINDSCREEN HANDLING

OC 0665

MINI SUCTION CUP Ø50mm

Ideal for installing and removing small windows or rear view mirrors.

Specifications:

- suction cup Ø50mm
- max. load: 10kg
- locking of the suction cup using a lever
- material: polyethylene and rubber



Max. Kg
10
2
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 0600

PAIR OF SUCTION CUPS Ø120mm

Essential for positioning and gluing all kind of windscreens.

Specifications:

- swappable suction cups to suit various glass shapes
- lever lock
- carrying handle
- capacity: 120kg
- suction cups Ø120mm
- supplied with fast-ratchet sling
- sling length: 5m



Contents:

- SA6958: Ø120mm suction cups
- SA6959: 5m strap with pawl

Max. Kg
120
2
WARRANTY

TN

OC 0611

PAIR OF SUCTION CUPS Ø140mm

Specifications:

- tiltable suction cups to adapt to different window shapes
- locking by lever
- Handling grip
- capacity: 120kg
- suction cups Ø140mm



Suction cup
Ø140mm

Max. Kg
120
2
WARRANTY

TN

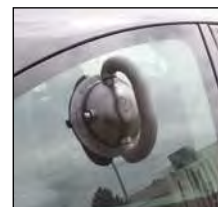
OC 0667**6 BODYWORK SUCTION CUP SET
Ø85mm****Specifications:**

- suction cup Ø85mm
- stand L.180mm
- holding width: 50mm
- bearing surface width: 80mm
- height of the stand adjustable to 32mm
- material: polyethylene and rubber
- adjustment using thumb screw system.

**NO
WARRANTY****OC 0662****PUMP SUCTION
CUP HGV Ø254mm
CAPACITY 140kg**Vacuum pump with
brass pistonMax. Kg
140
2
WARRANTY**OC 0666****HANDLE-PUMP SUCTION CUP
Ø165mm**

This handle-pump suction cup offers you a double security of suction:

- red mark: vacuum maintenance indicator
- locking of the vacuum by the handle



Ø165mm

Double suction
securityMax. Kg
38
2
WARRANTY**OC 1720****WINDSCREEN INSTALLATION AND REMOVAL ARM**

This arm with 2 suction cups lets you keep the windscreen in place in total safety.

With a suction cup on the front windscreen of vehicle, the telescopic arm lets the operator work alone on the windscreen.

Suitable for cars, 4x4s, vans.



One operator

**2**
WARRANTY

OC 0714

BODYWORK STAND

Folding stand specially designed to support body parts (hood, doors, bumper ... etc)



Specifications:

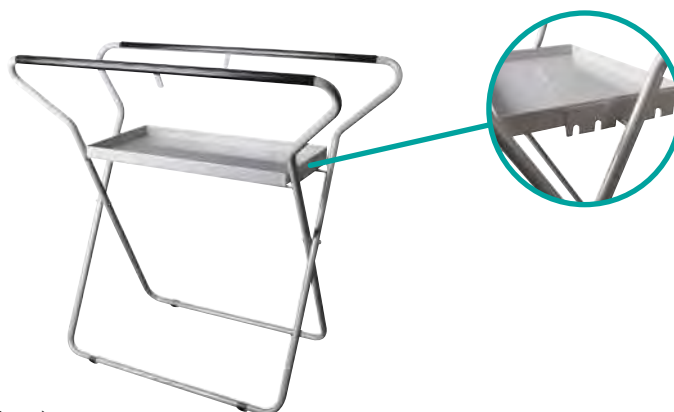
- foam supports
- support length: 100cm
- adjustable spacing by chain
- spacing range: 45 to 90cm
- height: 95 to 48cm according to gauge
- folded dimensions: 102x107x11cm



OC 0713

ADJUSTABLE BODYWORK STAND WITH TOOL HOLDER

Specially designed foldable trestle to support the bodywork parts (bonnet, door, bumpers...etc.)
Integrated tool tray
6-position setting



Specifications:

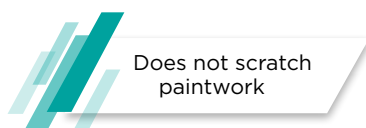
- Anti-scratch plastic support stands
- Stand width: 930mm
- 6 positions for spacing the stands:
- 300mm (Height: 1090mm)
- 405mm (Height: 1060mm)
- 515mm (Height: 1015mm)
- 625mm (Height: 950mm)

- 730mm (Height: 880mm)
- 845mm (Height: 775mm)
- Tray dimensions: L.690xV.340xD.36mm
- Dimensions of the folded trestle: L.1110xW.75xD.1125mm



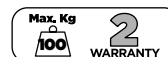
OC 0716

UNIVERSAL TELESCOPIC BODYWORK STAND 23-138cm



Specifications:

- width: 22.5 à 138cm
- height: 84 à 132cm
- anti-slip rubber-sheathed support arm
- support arm length: 86cm
- support arm width: 8cm
- capacity: 100kg
- 4 swiveling wheels, 2 of which have brakes



OC 6041

PARTS/WINDSCREEN/COVERS DOLLY



Specifications:

- independent, sliding, foam covered support bars
- height of support bars: 590mm
- 5 modifiable compartments to hold the parts in total safety
- 2 of the wheels have brakes
- Ø wheels: 90mm



WINDSCREEN REPAIRING

OC 2213

WINDSHIELD REPAIR CASE

This windscreen repair system is designed to comply with the AFNOR NF R 19-601 standard as well as the chemical product standard 1907/2006.

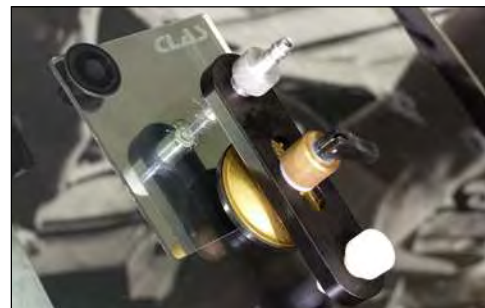
Its operating principle:

- depression in the impact
- resin injection
- control by means of the pump pressure gauge



Contents:

- SA2241: vacuum pressure pump (-1/+4bar)
 - SA2242: injector support with suction cup diam 55mm
 - SA2243: aluminum injector delivered with 2 seals
 - CO2216: 25 doses repair 5ml (2 impacts) for impact without cracking
 - CO2217: 25 doses repair 5ml (2 impacts) cracks, and finishes
 - SA4104: UV lamp
 - SA2244: mirror
 - CO2218: glycerin gel bottle for suction cup (30ml)
 - SA4105: 100 sheets mylar UV
 - OC5497: 6 blades
- Delivered in its case

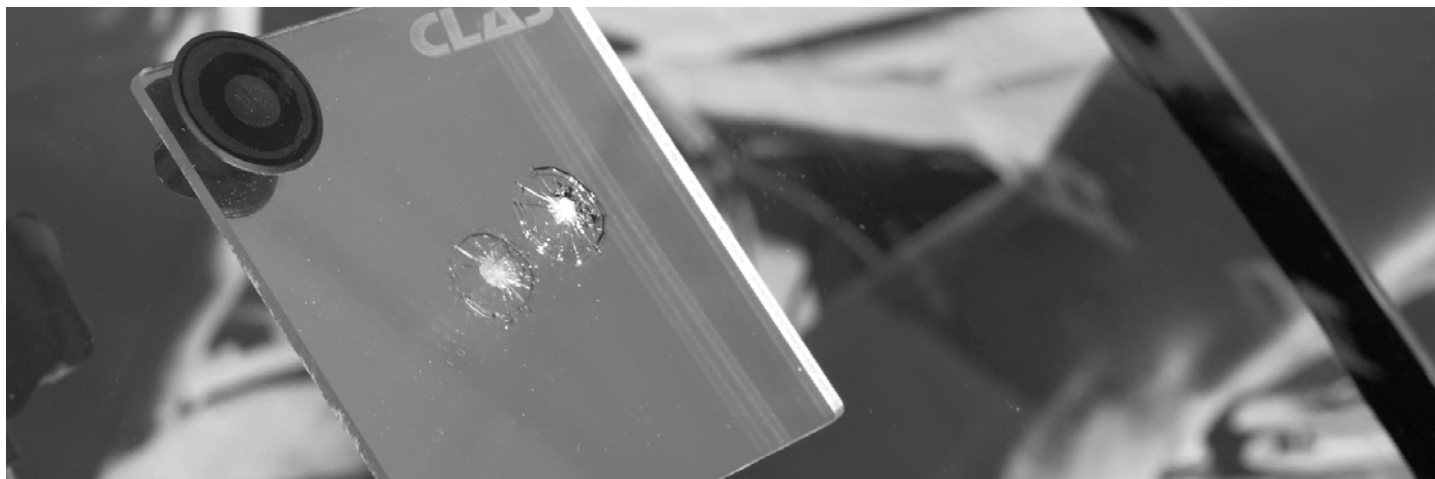

BEFORE:
AFTER:


The intervention is carried out in complete safety, avoiding damage to the windscreen.



Flash to
watch the
video !

**NO
WARRANTY**



OC 2202

REPAIR RESIN 10ml



OC 8064

FINISH RESIN 5ml



OC 2205

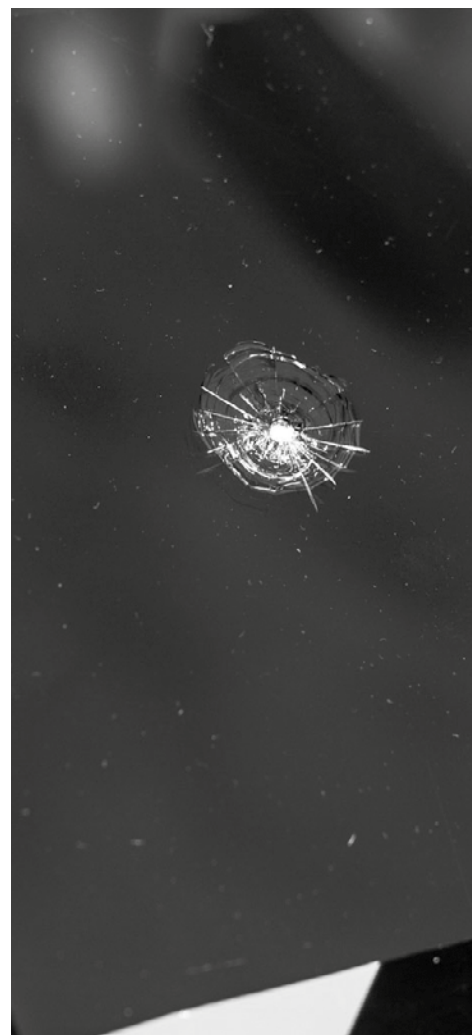
INJECTOR

Spare part of OC 2203



OC 8067

CARBIDE BIT Ø1mm



AC 5028

ELECTRONIC STETHOSCOPE LEAK DETECTOR

The electronic stethoscope allows you, simply by touching with the tip during static testing, to transmit the sound made by the target through headphones to locate engine pinging, bearing noise, slapping, etc. It also lets you detect air leaks normally imperceptible by the human ear by making the ultrasounds made by an airflow audible.



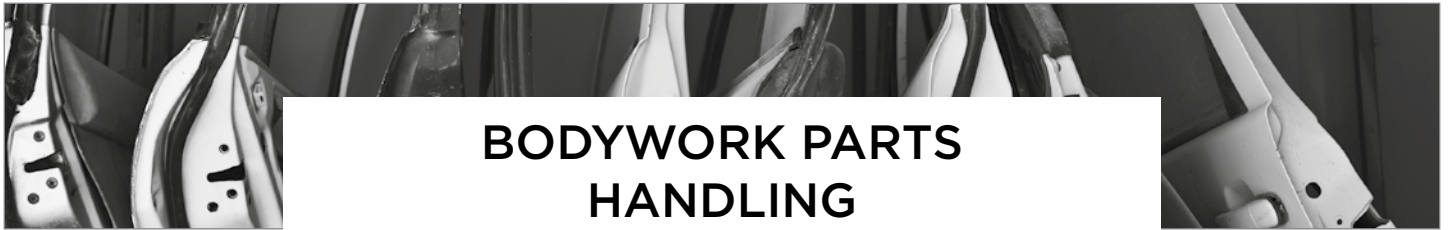
Specifications:

- can be operated with 2x9V batteries (6f22 type) or equivalent
- response frequency: 36000Hz to 44000Hz
- operating temperature: 0°C to 40°C
- storage temperature: -10°C to 50°C
- weight: amplifier 183g/transmitter 156g

Contents:

- amplifier 176x84x35mm
- ultrasonic transmitter 170x84x36mm
- headphones
- alu stethoscope probe 250mm
- plastic amplifier tube 270mm
- carrying case with foam



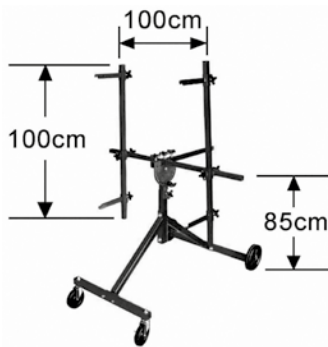


BODYWORK PARTS HANDLING

OC 0717

BODYWORK SUPPORT

Completely adjustable to accommodate a wide range of parts such as doors, bonnets, wings...



Max. Kg
140
2
WARRANTY

TN

OC 0711

BODYWORK 3 TRAY STORAGE TROLLEY

Allows parts which have been uninstalled to be put away and stored such as headlights, headrests, instrument panels, bumpers...

Specifications:

- 3 trays (2 wooden and 1 mesh)
- platform height: 260-810-1390mm
- mesh base
- 4 swiveling wheels, 2 of which have brakes
- dimensions: L.630xW.1110xH.1625mm



Max. Kg
100
2
WARRANTY

TN

OC 0780

RIM STAND

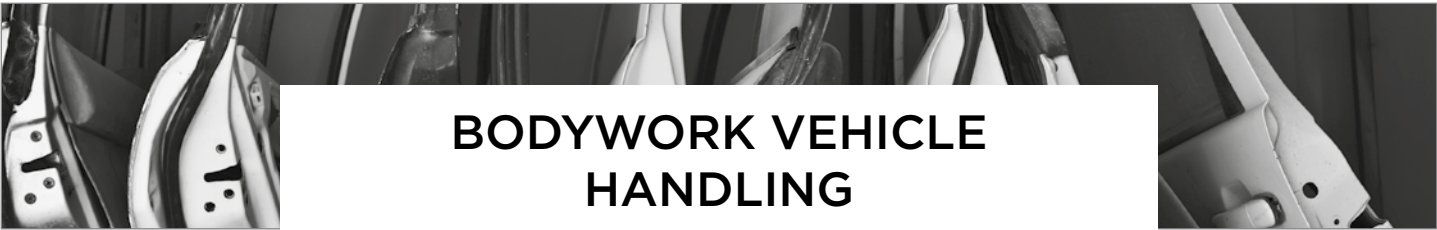
Specifications:

- suitable for 4 rims with tires
- adjustable height: 870-1050mm
- adjustable sliding handle stroke: 670mm
- equipped with 4 swiveling wheels and 2 swiveling braked wheels



2
WARRANTY

TN

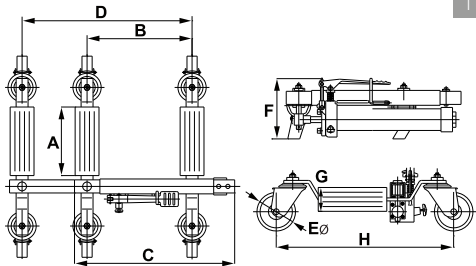


OM 2024

VEHICLE DOLLY CASTER SYSTEM 1360kg (PAIR)

- Specifications:
- lifting assisted by hydraulic ram
 - aluminum roller L.300mm
 - 4 casters, 2 with lock
 - capacity: 1360kg

	Dimensions (mm)							
	A	B	C	D	EØ	F	G	H
OM 2024	300	345	540	625	100	190	68	560



TN

Max. T
1360
WARRANTY
2



SA 2071	PAIR OF PIVOTING WHEELS Ø100x30mm	Spare part of OM 2024/OM 2018/OM 2021
SA 2072	PAIR OF PIVOTING BRAKED WHEELS Ø100x30mm	Spare part of OM 2024
SA 2074	PAIR OF ALUMINUM ROLLERS	Spare part of OM 2024/OM 2018/OM 2021

OC 1200

TROLLEY BLOCKED UNDER CAR BODY 450kg



SA 7061	PIVOTING DOLLY WHEEL Ø148mm	Spare part of OC 1200/OC 1101/OC 1102
---------	-----------------------------	---------------------------------------

Max. Kg
450
WARRANTY
2

TN

BODYWORK LIFTING

OH 9150

HYDROPNEUMATIC MOBILE LIFTING COLUMN 1500kg



Allows the vehicle to be lifted in less than a minute.



Supplied with:

- SA9151: lifting under the wheel
Max. working height: 735mm
Min. height: 100mm
Wheel diameter from 480 to 730mm
- SA9152: lifting under the car body
Max. working height: 835mm
Min. height: 140mm

Specifications:

- 2 swivel wheels to facilitate handling
- safety pin: 5 secure heights
- lifting by the wheel or the car body
- mobile and fast



TN

PE 8000

BODY REPAIR LIFT TABLE MONO CYLINDER WITH MECHANIC LOCK 3T

Underbody preparation table for body builders, allows the vehicle to be lifted to the desired height for an ergonomic working position, protects against MSDs. Ideal for small dent removal, work on rocker panels, sanding, painting...

To be embedded, electro-hydraulic operation, single-cylinder version, with mechanical hold-in position safety device (rack and pinion). Opening of the 4 arms equipped with 120° buffers. European origin, powder coated hinges.

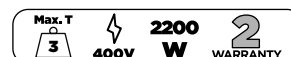


High elevation



Specifications:

- lifting time: +/- 50 s
- lowering time: +/- 60 s
- working height: 260-1730mm
- closed dimension: L. 2348 X W. 700mm
- max. open dimension L. 2836 X W. 1610mm
- drive power 2.2 kW 220bar
- electrical voltage of the drive: (3 ~) 400V/50 Hz
- air supply 6/8bar
- weight: 780kg



TE

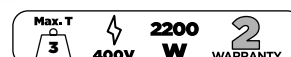
PE 8001

BODY REPAIR LIFT TABLE DUAL CYLINDER 3T



Specifications:

- lifting time: +/- 50 s
- lowering time: +/- 60 s
- working height: 125-1300mm
- closed dimension: L. 1960 X W. 880mm
- max. open dimension: L. 2303 X W. 1668mm
- drive power 2.2 kW 220bar
- electrical voltage of the drive: (3 ~) 400V/50Hz
- air supply 6/8bar
- weight: 880kg



TE

WELDING PLIERS

OM 8069

16 PACK LOCK GRIP PLIERS



Contents:

- OM8082 (x3): lock grip pliers 285mm
- OM8080 (x5): lock grip pliers 225mm
- OM8083 (x3): lock grip pliers 240mm
- OM8081 (x5): lock grip pliers 190mm

NO
WARRANTY

OM 8080

LOCK GRIP PLIERS
225mm

Spare part of OM 8069



OM 8081

LOCK GRIP PLIER
190mm

Spare part of OM 8069



OM 8082

LOCK GRIP PLIER
285mm

Spare part of OM 8069



OM 8083

LOCK GRIP PLIER
240mm

Spare part of OM 8069



NO
WARRANTY

OC 0025

BODYWORK PLIERS

Model equipped with a swiveling head to punch (Ø5mm) and fold (12mm) sheet steels before welding.
For sheet steel 1.4mm maxi.



2
WARRANTY



BODYWORK CUTTING

OC 0221

CONNECTABLE PLASMA CUTTER 40A

TN



Specifications:

- cuts all electrically conductive metals: steel, stainless steel, aluminum, bronze, brass
- max cutting thickness steel: 8mm
- low current absorption
- soft and stable cutting arc
- safety and protection: Overvoltage
- Overheating with LED indicator
- Air pressure
- L.3m torch with safety system
- supply voltage: Volt 50-60Hz (AC)-1Phx230V
- clamp 200A 16mm² L.3m
- installation power: 6kW
- cutting current: 10 to 40 amperes
- operating factor: 40A to 60% - 30A to 100%
- pressure regulator 0-10bar
- recommended pressure: 4 to 6bar
- dimensions: 380x290x230mm



SA 0231 CENTRAL PLASMA CUTTING UNIT

SA 0232 PLASMA CUTTER TORCH

SA 0233 BAG OF 10 ELECTRODES

SA 0235 BAG OF 2 DIFFUSERS

SA 0236 BAG OF 3 NOZZLES

SA 0237 NOZZLE HOLDER





WELDERS

TN

OC 0215

SPOT WELD AND DENT PULLER

Compact and lightweight
Limits heating in the spotted area: does not damage the anti-rust layer
+ preserves consumables

Specifications:

- power setting: 10 currents up to 5000A
- thermal protection indicator
- supply voltage: Volt 50-60Hz (AC)-1Phx230
- fuse: 10 amps
- installation power: 1kW
- cadence: 8 to 5 spot/min
- cable length: 3m
- dimensions: 356x105x170mm



SA 0239	SLIDE STRAIGHTENING HAMMER FOR SPOT REPAIRS
SA 0240	CHARGER FOR SPOTTER PULLING RINGS
SA 0241	LEVER PULLING BY POINT + 2 M5 ROUND ELECTRODES (SA0447)
SA 0245	RINGS/TRIANGLES/STARS HOLDER ELECTRODE
SA 0247	50 PULLING TRIANGLES SET
SA 0248	50 PULLING STARS SET (5 POINTED)
SA 0249	50 PULLING RINGS SET
SA 0447	M5 ROUNDED ELECTRODE
SA 0449	PULLING TWISTED 90° RINGS SET
SA 4010	50 WELDING WIRE SET L.305mm
SA 4011	500 WELDING NUT SET 2x50mm
SA 4012	500 WELDING NUT SET 2.5x50mm
SA 4018	20 BRAKE PAD SET

Contents:

- spot repairer
- SA0239: inertia straightening hammer for spinning
- SA0240: charger for pulling rings
- SA0241: lever of pulling by point + 2 M5 round electrodes (SA0447)
- SA0245: ring/triangles/stars holder electrode
- SA0247: 50 pulling triangles
- SA0248: 50 pulling stars (5 branches)
- SA0249: 50 pulling rings

Option:

- SA0449: 50 pulling twisted rings 90°

Preserves consumables up to 10x longer than a conventional spotter



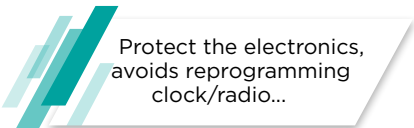
OE 1224

OVERLOAD CIRCUIT BREAKER 12-24V

This device protects the vehicle electronically from overload.

Connect the two alligator clips to the battery. If the LED lights up, the device is connected correctly and is ready to use.

Visual and sound signal
Connects directly to the battery terminals, no mounting direction



- Max. clamping voltage 12V:
- 32.5V/308A (8-20µs)
 - 25.2V/59.5A (10-1000µs)
- Max. clamping voltage 24V:
- 59.0V/169A (8-20µs)
 - 45.7V/33A (10-1000µs)



BODY REPAIR



PULLING & RESTRAINING P.524



PLASTIC REPAIRING P.530



BODYWORK PAINTING P.535



DOORS & CABIN P.542



BODYWORK STAPLES P.544



OC 0803

4T COLLISION REPAIR SET

- Contents:**
- SA0805: 4T hydraulic ram
 - SA0806: 4T 1/4" hydraulic hand pump
 - SA0804: spreader 500kg
 - SA0802: hose 1/4"
 - bit/support set
 - SA1805: bodywork hydraulic ram 4T extension set



Max. T
4
2
WARRANTY



SA 0801	MALE HYDRAULIC ADAPTER	Spare part of OC 0803/OC 0804/OC 0801/OC 0802 - Accessory of DM 0204
SA 0803	HYDRAULIC FEMALE ADAPTER	Spare part of OC 0803/OC 0804/OC 0801/OC 0802 - Accessory of SA 0802/OH 0014
SA 0804	SPREADER PLIERS	Spare part of OC 0803/OC 0804/OC 0801/OC 0802
SA 0805	4T HYDRAULIC RAM	Spare part of OC 0803/OC 0801
SA 0806	4T 1/4" HYDRAULIC HAND PUMP	Spare part of OC 0803/OC 0801
SA 0807	10T HYDRAULIC RAM	Spare part of OC 0804/OC 0802 - Accessory of OH 3453
SA 0808	10T 1/4" HAND PUMP	Spare part of OC 0804/OC 0802 - Accessory of OM 9385/SA 9384/SA 9382/OM 9384/OC 0705

OC 0804

10T COLLISION REPAIR SET

- Contents:**
- SA0807: 10T hydraulic ram
 - SA0808: 10T 1/4" hydraulic hand pump
 - SA0804: spreader 500kg
 - SA0802: hose 1/4"
 - bit/support set
 - SA1815: bodywork hydraulic ram 10T extension set



Max. T
10
2
WARRANTY

OC 0705

BODYWORK CYLINDER SET
PUSHER/PULLER 1/4"



SA 0703	MINI 4T RAM
SA 0704	2T RAM
SA 0705	MINI 10T RAM
SA 0706	4T RAM
SA 0707	10T RAM
SA 0708	5T PULLING JACK
SA 0709	2T PULLING JACK



OH 0014

AIR HYDRAULIC PUMP 10T 1/4"

Accessory of DM 0204/OH 3453/OM 9385/OM 9387/
OC 0705/OC 0801/OC 0802/OC 0703/OH 0010



Delivered without
hose (SA0802)

- Specifications:**
- 700bar
 - aluminum reservoir
 - internal load limiting device
 - exhaust muffler
 - dimensions: L.255xW.135xH.185mm





BODYWORK HAMMERS

OM 0174

BALL PIN HAMMER 440gr



Made of C45 steel, curved and polished hits, laterally hardened by electro-induction and sandblasted.
Ash handle length 350mm with nylon protection sleeve.
BS 876 standard



TN

OC 0811

HAMMER + BLOCK SET (7 PCS)



OC 0812	PLANISHING HAMMER WITH ROUND FLAT HEAD AND POINTED TIP
OC 0813	PLANISHING HAMMER WITH HORIZONTAL TIP
OC 0814	FINISHING HAMMER ROUND/CROSS-HATCHED SQUARE
OC 0815	BLOCK COMMA 130x55mm
OC 0816	BLOCK RAIL/UNIVERSAL 60X60X56mm
OC 0817	BLOCK CLAW 78x60x27mm
OC 0818	BLOCK ANVIL 80x62x55mm

Contents:
3 hammers with GENUINE HICKORY handles L.310mm:
• OC0812: planishing hammer with round flat head and pointed tip
• OC0813: planishing hammer with round flat head straight tip
• OC0814: cornering hammer with round and square gridded head

4 blocks:
• OC0815: comma 130x27mm
• OC0816: rail/universal 60x60x56mm
• OC0817: claw 78x60x27mm
• OC0818: anvil 80x62x55mm



TN

OC 2211

BODYWORK SLIDE HAMMER SET

Contents:

- hammer 4.5kg
- stroke 50cm
- handle with guard
- SA4221: pigs tail end
- SA4213: long curved hook 6cm
- SA4214: short curved hook 4cm
- SA4223: 90° hook U
- SA4216: 90° hook flat
- SA4218: straight end
- SA4219: screwed end
- SA4220: chain end



TN

PAINTLESS DENT REMOVAL

OC 0113

AUTO DENT REPAIR KIT WITH SLIDE HAMMER

This kit is designed to repair car bodies which have been damaged by hail, or small dents with no need to repaint the part.

The process consists of sticking plastic pulling tips with the gun and the glue especially made for bodywork, and to connect the inertial weight or the pulling lever and then have the painted sheet without damaging it. Then you can remove the pulling end with any cleaning solvent (not supplied) and the nylon chisel.



Contents:

- SA0112: inertial stainless steel hammer+pulling end
- SA0113: pulling lever (DSP) to remove dents
- SA4205: glue gun 240V-200°C-30W
- SA3110: 8 glue sticks
- SA0114: 12 pulling tips of various diameters
- SA0115: nylon chisel to remove the pulling tips
- SA0116: bottle of solvent to remove the pulling tips
- 1 strong PVC box



OC 0403

10 BLACK GLUE STICK SET

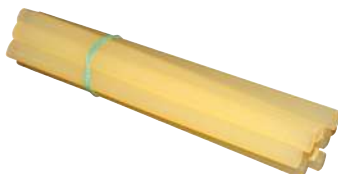


Ø11mm
Rigid



OC 0405

10 AMBER GLUE STICK SET



Ø11mm
Flexible



OC 0406

10 WHITE GLUE STICK SET



Ø11mm
Intermediate



SA 3110

STICKS OF STRONG GLUE 10 PIECES

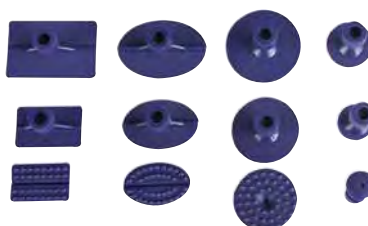
Spare part of OC 0113



SA 0114

12 PCS PULLING END SET

Spare part of OC 0112/OC 0113



SA 4205

AIR CAULKING GUN

Spare part of OC 0112



OC 0210

MANUAL VACUUM DENT PULLER

Slide hammer for paintless dent removal



Manual pump: does not require external pneumatic supply

Contents:

- SA0227: suction cup Ø75
- SA0228: suction cup Ø100
- SA0229: suction cup Ø125mm
- SA0224: draw hook
- SA0410: manual pump for venturi

Slide hammer weight: 1.22kg



TN

OC 8110

SUCTION CUP SUPPORT RODS Ø120mm CAPACITY 20kg

Accessory of OC 8100



Suction cup for use with paintless bodywork rods (OC8100).
The rods can be passed through 1 of the 5 holes in the strap to act as a pull lever.



TN

OC 0608

DOUBLE SUCTION CUP

Suction strength 60kg
Ø160mm large suction cup
Ø90mm small suction cup



OC 8100

14 PCS BODYWORK ROD SET



Assortment of 12 auto body work rods not requiring paint.
Ideal for pushing out hailstone marks, small dents on a door and other marks.
Supplied in a carry-case.

Rod lengths:
1 x 280mm
4 x 300mm
1 x 350mm
1 x 450mm
2 x 700mm
2 x 750mm
1 x 900mm



SA 8001 4 END SET

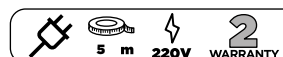


OE 1225

BODYWORK LAMP

Emits parallel beams, highlights bodywork deformations.

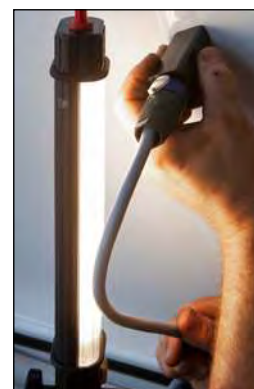
Delivered with suction
pad and support



OC 0350

INDUCTION DENT REMOVAL

No preparation work, no
need to repaint



Specifications:

Induction heater allows fast and efficient heating of metal and bodywork parts.

Control and regulation of the heating time.

Excellent way to repair small dents, such as hail.

Easy to use and use

Time saving through the use of induction technology





PLASTIC REPAIRING

TN

OM 0700

REAR PARKING SENSOR PUNCH TOOL KIT Ø17-Ø22mm

This hollow punch kit allows holes of the required diameter to be punched in the front and rear bumpers in order to install bumper sensors (reversing sensors).

Does not damage paintwork
No deburring



Requires a Ø8.5mm pre-punch

Specifications:

- tempered steel hollow punch
- max. punch diameter: 4 to 6mm depending on the diameter of the hollow punch
- compatible with pawls and ratchet hammers
- 13mm hex drive

CONTENTS

OM 0717	REAR PARKING SENSOR PUNCH TOOL Ø17mm
OM 0718	REAR PARKING SENSOR PUNCH TOOL Ø18mm
OM 0719	REAR PARKING SENSOR PUNCH TOOL Ø19mm
OM 0720	REAR PARKING SENSOR PUNCH TOOL Ø20mm
OM 0721	REAR PARKING SENSOR PUNCH TOOL Ø21mm
OM 0722	REAR PARKING SENSOR PUNCH TOOL Ø22mm

OM 0700 OPTIONAL KITS

OM 0727	REAR PARKING SENSOR PUNCH TOOL Ø27mm
OM 0730	REAR PARKING SENSOR PUNCH TOOL Ø30mm
OM 0732	REAR PARKING SENSOR PUNCH TOOL Ø32mm BMW/VAG/OPEL



PUNCH TOOLS SETS APPLICATIONS



REF	Size (mm)	Punch-tools	Centering device	Drill 10 + 1/4" drive	ALFA	BMW	DACIA	FIAT LANCIA JEEP	PSA	RENAULT	SKODA	VW	OPEL	TOYOTA
OC9118	17	•	•	•					•					
OC9121	17,5	•	•	•						•		•		
OC9141	17,8		•			•						•		
OC9125	18	•	•	•					•		•			
OC9132	18,2	•	•	•		•						•		
OC9126	18,4	•	•	•								•		
OC9117	18,5	•	•	•					•					
OC9137	18,6	•	•	•							•	•		
OC9142	19	•	•	•	•			•						
OC9123	20	•	•	•										•
OC9119	21	•	•	•					•					
OC9122	22	•	•	•			•			•				
OC9116	24	•	•	•									•	
OC9133	26	•	•	•								•		
OC9129	26,5	•		•								•		
OC9134	26,7	•	•	•							•	•		
OC9135	27,4	•	•	•							•			
OC9136	28,1	•	•	•							•	•		
OC9130	29,3	•	•	•								•		
OC9140	32	•	•	•	•									
OC9127	32,5	•		•	•									
OC9128	38,9	•	•	•								•		

OC 9120**REAR PARKING SENSOR PUNCH TOOL KIT
PSA/RENAULT/DACIA (14 PCS)****Applications:**

PSA, Renault, Dacia, VW

Contents:

- punch and centering tool set for: Ø17,5-18-18,5-22mm
- 1 x 3/8" pulling screw with ball bearing
- 1 x drill bit Ø10mm



TN

OC 9131**REAR PARKING SENSOR PUNCH
TOOL KIT SKODA (10 PCS)****Contents:**

- punch and centering tool set for: Ø18-26,7-27,4-28,1mm
- 1 x 3/8" pulling screw with ball bearing
- 1 x drill bit Ø10mm



TN

OC 9139**REAR PARKING SENSOR PUNCH TOOL
KIT BMW (10 PCS)****Contents:**

- OC9125: punch and centering tools Ø18mm
- OC9140: punch and centering tools Ø32mm
- punch Ø32.5 mm (supplied without centering pin due to slanted installation of sensor)
- 1 x 3/8" pulling screw with ball bearing
- 1 x drill bit Ø10mm



TN

OC 9138

REAR PARKING SENSOR PUNCH MASTER TOOL KIT BMW (41 PCS)

Allows the parking sensors to be mounted in the new bumper when it needs to be replaced, for example after an accident.

Includes centering pins to position the sensor holder accurately in the center of the hole so it can be properly bonded later.

Quality punching machines ensure precise working results and clean holes with burr-free edges. Thus, the original shape is guaranteed even after the repair.



Contents:

- 1x punching device/centering pin set 2 pcs. Ø18.0mm for BMW/Skoda
- 1x punching device/set of centering pins 2 pcs. Ø18.2mm for VW/Seat
- 1x punching/centering device pi Ø17.8mm for VW/Seat
- 1x Punching device/centering pin set 2 pcs. Ø18.4mm for VW
- 1x punching device/set of centering pins 2 pcs. Ø 19mm for FCA
- 1x punching device/set of centering pins 2 pcs. Ø24.0mm for Opel/Vauxhall
- 1x punching device/set of centering pins 2 pcs. Ø26.0mm for VW/Seat
- 1x punching device/set of centering pins 2 pcs. Ø26.7mm for VW/Skoda
- 1x punching device/set of centering pins 2 pcs. Ø27.4mm for Skoda
- 1x punching device/set of centering pins 2 pcs. Ø28.1mm for Skoda
- 1x punching device/set of centering pins 2 pcs. Ø32.0mm for BMW
- 1x punching device Ø32.5mm for BMW (without centering pin because of the oblique mounting position of the PDC sensor)
- 1x punching device Ø38.9mm for VW (PLA) (without centering pin due to slanted mounting position of PLA = park assist)
- 1x 3/8" punch drive with ball bearing
- 1x tip Ø10mm



OC 9124

REAR PARKING SENSOR PUNCH MASTER TOOL KIT VW (24 PCS)



Contents:

- OC 9125: rear parking sensor punch tool kit VW (4 PCS)
- OC 9126: rear parking sensor punch tool kit VW (5 PCS)
- OC 9127: rear parking sensor punch tool kit VW (4 PCS)
- OC 9128: rear parking sensor punch tool kit VW (4 PCS)
- OC 9129: rear parking sensor punch tool kit VW (4 PCS)
- OC 9130: rear parking sensor punch tool kit VW (5 PCS)



OC 9100

REAR PARKING SENSOR PUNCH MASTER TOOL KIT FORD (23 PCS)

Allows the parking sensors to be mounted in the new bumper when it needs to be replaced, for example after an accident.
Quality punching machines ensure precise working results and clean holes with burr-free edges. Thus, the original shape is guaranteed even after the repair.



Contents:

- OC 9101 rear parking sensor punch tool kit FORD #01 (4 PCS)
- OC 9102 rear parking sensor punch tool kit FORD #02 (4 PCS)
- OC 9103 rear parking sensor punch tool kit FORD #04 (4 PCS)
- OC 9104 rear parking sensor punch tool kit FORD #05 (4 PCS)
- OC 9105 rear parking sensor punch tool kit FORD #08 (4 PCS)
- OC 9106 rear parking sensor punch tool kit FORD #09 (4 PCS)
- OC 9107 rear parking sensor punch tool kit FORD #10 (4 PCS)
- OC 9108 rear parking sensor punch tool kit FORD #11 (4 PCS)
- OC 9109 rear parking sensor punch tool kit FORD #12 (4 PCS)
- OC 9110 rear parking sensor punch tool kit FORD #15 (4 PCS)



RETAIL SET APPLICATIONS

REF	N°	OEM Code	FIESTA	FOCUS	GALAXY	B-MAX	C-MAX	TRANSIT	KUGA	MONDEO
OC 9101	#01	501-130	•	•	•					•
OC 9102	#02	501-135	•	•			•		•	
OC 9103	#04	501-140	•							
OC 9104	#05	501-141	•							
OC 9105	#08	501-160				•			•	
OC 9106	#09	501-171								•
OC 9107	#10	501-177					•			
OC 9108	#11	501-179		•			•			
OC 9109	#12	501-180		•			•			
OC 9110	#15	501-405		•						

OPTIONAL SET APPLICATIONS



REF	N°	OEM Code	FIESTA	FOCUS	GALAXY	B-MAX	C-MAX	TRANSIT	KUGA	MONDEO
OC 9143	#16	501-193						•		
OC 9112	#17	501-192						•		
OC 9113	#18	501-138					•			
OC 9114	#19	501-150		•						
OC 9115	#20	501-151		•						

OC 6049

PLASTIC REPAIR KIT

Spare part of SA 6042

Ideal for small plastic repairs on bumpers, headlight fixings, mirrors, interior trim, etc.



- Contents:**
- SA6042: 1 soldering iron with special soldering tip
 - SA6081: 6 brazing rods (PP-Polypropylene)
 - SA6082: 6 brazing rods (PS-Polystyrene)
 - SA6083: 6 brazing rods (PE-Polyethylene)
 - SA6084: 6 brazing rods (ABS)
 - SA6080: 5 pieces of 304 stainless steel grids
 - soldering iron holder



SA 6080	5 STAINLESS STEEL GRIDS 150x115mm
SA 6081	6 SOLDERING RODS (PP-POLYPROPYLENE)
SA 6082	6 SOLDERING RODS (PS-POLYSTYRENE)
SA 6083	6 SOLDERING RODS (PE-POLYETHYLENE)
SA 6084	6 SOLDERING RODS (ABS)

OC 1025

BI-COMPOSING GUN 50ml

Allows the application of two-component adhesives in 50ml cartridges.
Delivered with piston 2:1



SA 6039

AEROSOL COOLANT FOR PLASTIC REPAIRS

Spare part of OC 6039



OC 6045BL

HOT STAPLER



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



BODYWORK PAINTING PREPARATION

EG 0055

CENTRAL VACUUM CLEANER 2x1300W

Accessory of OE 1319/OE 1318

Vacuum cleaner that can also be used as a central vacuum cleaner.
Compatible with pneumatic and electric tools up to 1200W.



Automatic filter cleaning at each use



Specifications:

- 76L plastic tank mounted on 4 castors trolley
- 2 motors 1300W
- tool tray 600x480mm
- hose Ø28mm 4.5m with integrated pneumatic hose
- depression 23.5kPa
- air flow rate: 119l/s
- noise level: 68dB
- dimensions: 580x590x940mm

Accessories included:

- SA0405: hose Ø28mm 4.5m
- SA0406: filter

Option :

- SA0409: bag 36L



OP 0615

HIGH-FLOW SANDING GUN (ceramic nozzle)



Specifications:

- extraction hose 3m
- service pressure: 6 to 8bar
- air consumption: 500L/min
- to be used with sand drum SA6615



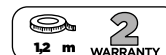
OP 0617

HIGH-FLOW SANDING GUN (metal nozzle)



Specifications:

- air consumption : 750L/min
- working pressure : 8bar
- hose length : 1.2m



OC 0028

MAGNETIC PAINTWORK SUPPORT WITH PLIERS

Designed for painting small components such as rear-view mirror shells, metal sections, plastic casings...



Flexible



Specifications:

- strongly magnetized Ø58mm base to attach to the walls of the paint booth.
- hose
- max. opening: 14mm
- max. load: 2.5kg
- length: 285mm



OC 0710

MAGNETIC PAINTWORK SUPPORT FOR REAR PARKING SENSOR L.500mm

Allows up to 10 bumper sensors (reversing radar sensors) to be retained on one support arm for simultaneous painting.



Specifications:

- 2 high-strength magnets
- 10 metallic adjustable clips with plastic protection
- opening of clip: 15mm
- support arm dimensions: 500x135mm



OP 1213

VERTICAL POLISHER Ø150mm

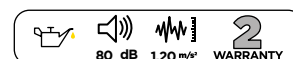
Connector supplied



- Composite body
- Auxiliary handle
- Lateral exhaust

Specifications:

- speed: 3,500rpm
- plate: Ø150mm
- length: 165mm
- connector: 1/4"
- supply pressure: 6.2bar
- consumption: 110l/min



CO 1035

NO RUST SPRAY 400ml

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.



TN

CO 1002

PLASTIC PRIMARY SPRAY 400ml

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

Colour: transparent



TN

CO 1033

ANTI STONE-CHIP SPRAY 400ml

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



TN

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).



Active formula: quick and efficient



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.



TN

CO 1029

**BODY REPAIR DEGREASING/
CLEANING SPRAY 500ml**



Degreases and
removes silicone
Antistatic



Allows you to degrease and clean
bodywork parts before painting or
adhesion.
Eliminates residues of glue, grease, oil,
silicone.



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.



Respect for
colorimetry



CO 1001

DARK GREY GARNISHING PRIMER 500ml

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



Fast drying time
Quick sanding



CO 1042

**LIGHT GREY FILLER
PRIMER 500ml**



CO 1043

**WHITE FILLER
PRIMER 500ml**



CO 1044

**BLACK FILLER
PRIMER 500ml**



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.



Scratch-resistant



Specifications:

- medium grit
- black colour

CO 1034

ANTI GRAVEL MS POLYMER BLACK CARTRIDGE 310ml

Spare part of OP 1338

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



TN



CO 1057

ANTI GRAVEL MS POLYMER BEIGE CARTRIDGE 310ml

Spare part of OP 1338

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



TN

CO 1058

ANTI GRAVEL MS POLYMER GREY CARTRIDGE 310ml

Spare part of OP 1338

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



TN



OP 1481

SANDBLASTING GUN

For projection of soundproofing products, sealants and anti-rust.

Specifications:

- nozzle Ø: 6mm
- working pressure: 8bar max.
- air consumption: 100 to 150l/min



TN

OP 1335

HVLP PROFESSIONAL SPRAY PAINT GUN

HVLP gravity gun for bodywork and finishing work.

Specifications:

- excellent spread and spray
- reworked ergonomics to make it more comfortable to handle
- stainless steel nozzle, brushed aluminum body Ø2mm
- polyamide tub 600ml
- filter
- service pressure: 1 to 2bar



Connector and Ø2mm nozzle supplied



SA 1312	Ø1.2mm NOZZLE
SA 1314	Ø1.4mm NOZZLE
SA 1316	Ø1.6mm NOZZLE
SA 1320	Ø2mm NOZZLE



TN

OP 1336

MINI PROFESSIONAL SPRAY GUN HVLP

HVLP gravity gun for retouching and finishing.

Specifications:

- excellent spread and spray
- ergonomic, easy to hold
- Ø0.8mm nozzle
- filter
- service pressure: 1 to 2bar



Connector and Ø0,8mm nozzle supplied



TN

BODYWORK PAINTING DRYING

OP 0099

STRAIGHT BLOWGUN PEN



- pocket blowgun
- adjustable flow
- duralumin body
- length 110mm
- opening/closure by rotation



TN

OP 3501

DRYING GUN



Specifications:

- compressed air venturi system
- airflow regulator
- max. flow 6bar
- consumption 350l/min
- noise level in dB: 72dB at 3.5bar
- service pressure 2 to 4bar
- dust filters



TN



OP 3510

2 DRYING GUNS + BASES

Specifications:

- ideal for drying tops and bottoms of vehicles
- fully adjustable base max. 2.08m
- power supply via spiral hose
- fast connectors
- 2 guns can be up to 0.85m apart

OP 3520

4 DRYING GUNS + 2 BASES

Specifications:

- ideal for drying tops and bottoms of vehicles
- fully adjustable base max. 2.08m
- power supply via spiral hose
- fast connectors
- 2 guns can be up to 0.85m apart



TN

DOORS & CABIN

OM 0200

12 PIECE AIRBAG MAINTENANCE TOOL SET

Depending on the application, the removal tools are to be used in pairs.

**Contents:**

- 1/4" tamperproof Torx TB30 special Airbag L.80mm
Audi, BMW, Mercedes, Opel etc.
- socket 1/4" Torx T30 L.80mm
Audi, VW, Opel, Renault etc.
- socket 1/4" hex 5mm L.80mm
Audi etc.
- 1/4" tamperproof Torx socket TB25 special airbag L.80mm
BMW etc.
- 1/4" tamperproof Torx socket TB25 special airbag L.80mm
BMW etc.
- airbag removal kit - 2 pieces
VW Golf IV, New Beetle, Seat, Skoda, Fabia + Octavia 99 etc.
- airbag removal kit - 2 pieces
VW Polo 99, Lupo, Passat B5, Audi A4, A6, Skoda Superb etc.
- central flywheel unlocking tools
VW Passat 97, Golf IV 98, Golf Bora 99 etc.
- unblocking lever for VW 105x96mm airbags, slot 5.5+8mm
- universal tool of the airbag



TN

AC 7023

AIRBAG LINE TEST

The tool simulates the presence of the igniter by substituting it with a resistance.

**Contents:**

- 2x2 boxes



CO 0426

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



OC 1103

TN

AIR WEDGE

For keeping pneumatically-operated doors open to make it easier to install windscreens.



Rigid PVC panel:
makes insertion
easier

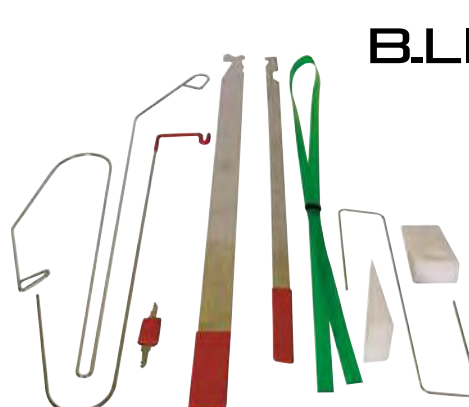
Cushion dimensions: 155x165mm

**OC 9000BL**

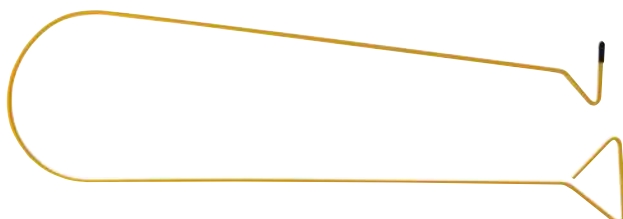
TN

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****EG 0743**

TN

SEMI-RIGID ROD TO HOOK DOOR HANDLES OR KEYS 1.80m**EG 0744****U-SHAPED SEMI-RIGID ROD TO HOOK DOOR HANDLES 1.50m****EG 0745****SLIP KNOT SEMI-RIGID ROD TO HOOK DOOR HANDLES 1.10m**



BODYWORK STAPLES

OC 8881

GARNISHING TRIM SET (27PCS)

NEW



The tools are made of composite material to preserve damage to the components.
The different models allow to work in many different settings.

Delivered in a thick canvas storage case with a slot for each tool.

Lever set to remove door panels, window moldings, dashboards and trim, both inside and outside.
They can also be used to remove glue remains.

2
WARRANTY

TN

OC 8078

5 PCS NYLON TRIM REMOVAL SET



NO
WARRANTY

TN

OC 8081

TOOL FOR REMOVING
DOOR STAPLES



2
WARRANTY

TN

OC 0033

TRIM CLIP PLIER



2
WARRANTY

TN

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

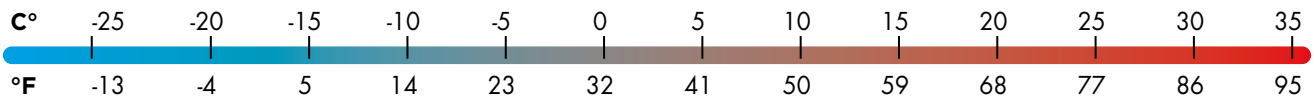


1 cubic inch (cu.in) = 1 pouce cube = 16,3872cm³
 1 cubic foot (cu.ft) = 1 pied cube = 28317cm³
 1 cubic yard (cu.yd) = 1 verge cube = 0,7646m³
 1 once (US) (fl.oz) = 0,0296l
 1 once (UK) (fl.oz) = 0,0284l

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
 RIBE®: registered trademark of Richard Berger
 POZIDRIV®: registered trademark of European Industrial Services
 Collier Clic®: registered trademark of CAILLAU
 Circlips®: registered trademark of Nomel

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 Equipements 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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