

EQUIPMENT & MATERIAL 1994



MATERIAL

EQUIPMENT &



CITROËN



In a very competitive motor vehicle market in which the customer has become more and more demanding, it is essential to react to the demands of the customer and to perform well in the key areas that will make the difference. This is why you should direct your efforts towards improving both the quality of repair work that you do and your efficiency.

Our strategy being above all European, this catalogue is distributed in 16 European countries, so as to provide a standardised approach to the choice of garage equipment.

Possession of this catalogue allows you to benefit from our knowledge and experience in selecting and testing equipment that takes account of technological progress in the Citroën range.

You can thus confidently choose the equipment best suited to the needs of your company.

2 sources of information to the equipment

GO STRAIGHT TO THE ESSENTIAL FACTS

Clear, precise, simple to use..... With your catalogue you have all the information needed to reach the correct decision on garage equipment for your dealership:

You see the important facts straight away

What does the piece of equipment do? What is it made up of? What options are available?... all the important information is grouped together in a technical specification.

You have the opinion of the experts

All equipment in this catalogue has been tested and proven by CITROËN engineers. On each page they give their expert advice.

You are taken directly to the page that interests you

Your catalogue contains information on more than 250 products! A thumb index system and colour coding allow different types of equipment to be found quickly:

Red: General garage equipment
Blue: Equipment for mechanical operations

Green: Body repair equipment
Yellow: Paint equipment.

MULLER BEM Electronic geometry tester

Equipment for measuring and checking front and rear axle geometry.

Description

Set of 4 sensors that detect the following on the front and rear axles:

- Camber
- Wheel alignment
- Caster
- King pin inclination
- Steering lock divergence
- Thrust angle
- Direct toe in/out readings

Data bank:

- 2.5" cassette covering a period of 13 years facilitating the operator's work by allowing him to compare his readings with the vehicle manufacturer's data.
- The operator can display the data in a menu, at any time and a very simple, user friendly program avoids him to produce high quality work.

Other versions:

- 5.1" colour screen.

Characteristics

The 8670-4DB15 comprises:

- 1 mobile desk
- 1 central unit
- 15" colour screen
- 1 A4 80 pages printer
- 1 set of 2 3.5" discettes
- 2 pairs of front and rear wheel sensors with self centring supports
- Standard adaptors and adaptors for light alloy wheels
- 1 pair of front wheel swing plates
- 1 pedal depressor
- 1 steering wheel lock
- 1 portable pump
- Power supply 230 V single phase with ground point

Comment

Equipment that is simple to use, rapid, accurate and reliable. It conforms to CITROËN After Sales procedures.

Options

- Maintenance contract
- Annual update of vehicle data via a portable subscription

Reference

8670-4DB15

Agreement

95 044

Guarantee

1 year parts and labour

Price

Price list page 6



For every item of equipment, an "Identity card".

The essential information needed to order the equipment.

The price of each item of equipment is at your finger tips.

The "price" box gives you the page number in the price list, where you will also find the address and telephone and fax numbers of the supplier who provides sales, guarantee and after sales service in your country.

Telephone help line

Advice needed on the equipment? How to use it? Technical details?...

Contact your CITROËN Zone After Sales Manager for advice.

TELEPHONE HELP LINE

In addition to this catalogue, make use of our advice service
SERVICE INFO.



If you want more information on equipment shown in this catalogue, ring your After Sales Regional Manager with the page number of equipment in question.

He will be able to advise you accordingly.

to help you to rapidly find
nt you need.

MAKE CONTACT DIRECTLY WITH THE SUPPLIERS

It is necessary to know the full specification of a piece of equipment before purchasing...all the more so when the equipment is expensive!

Your CITROEN Equipment and Material Catalogue provides you with the means of contacting the supplier directly.

The DOCUMENTATION INFO system gives you access to an additional source of information. See pages 292 and 293.

All you have to do is to complete and return a card in order to receive additional documentation on the equipment you are interested in.



DOCUMENTATION INFO



DOCUMENTATION INFO

☐ Request for documentation

☐ Request for demonstration

Reference no. of the equipment you are interested in:

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

Sender:

Name:

Company:

N°: Street:

.....

Postcode:

Town:

Country:

Language:

Tel. :

☐ Succersale ☐ Main dealer

☐ Concession ☐ Other:

.....

.....

CITROEN "EQUIPMENT & MATERIAL" CATALOGUE

Refund Voucher

to be detached and returned with your order
to the appropriate supplier.

To validate this voucher,
please mark it with your
dealer stamp

This box is reserved
for the sole use of
the supplier

My order is for an amount which exceeds the figure of £... excluding VAT

...I wish to take advantage of the offer to refund the cost of the
"Equipment & Material" catalogue.

IMPORTANT :

*We remind you that if the amount of
your order is above a minimum figure,
the price of your CITROEN Equipment
and Material Catalogue is reimbursed.*

*For more information see pages 12 and
13 of the price list.*

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1.1 WORKSHOP FURNITURE

STORAGE

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WORKBENCH

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FACOM Tool boards

Perforated panel for storage of tools.

Description

This design of panel, with 6 mm square perforations at 12 mm centres, are ideal for organizing workstations, with special hooks for numerous tools or with standard hooks

Other versions:

- 888 mm x 444 mm panel:
ref. PK.1
- 444 mm x 444 mm panel:
ref. PK.2

Characteristics

- Length: 1,665 mm
- Height: 444 mm
- Thickness: 10 mm
- Weight: 4,36 kg

Comment

Panel invaluable in workshops for miscellaneous storage.

Option

- General-purpose hook: ref. CKD

Reference

PK.4

Agreement

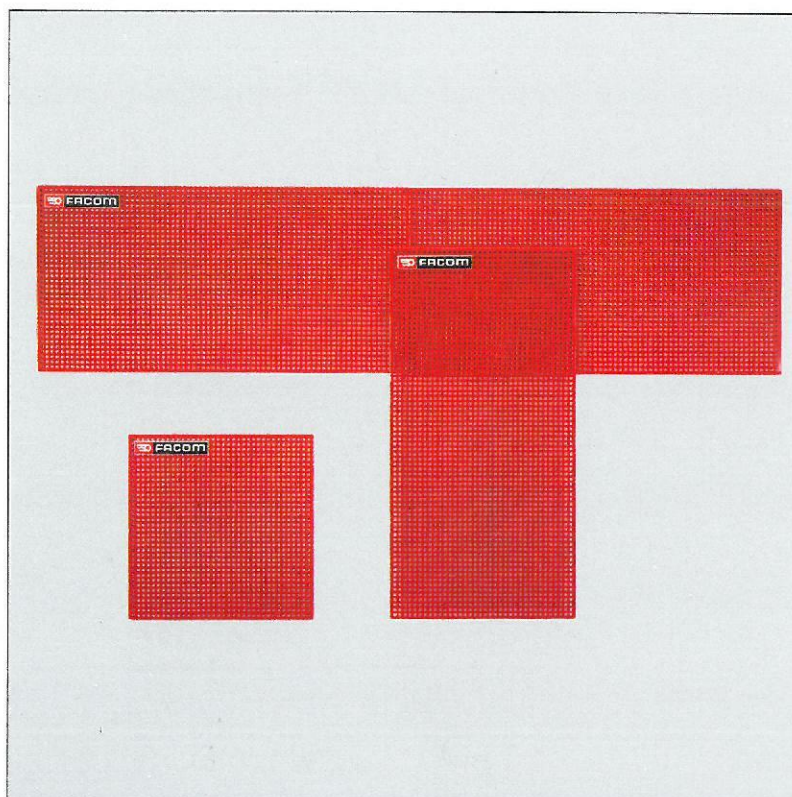
93.165

Guarantee

Life-time

Price

Price list page 3



FACOM Trolley

Double-top trolley with bottom bin for storage of disassembled components.

Description

- Double-top trolley and bottom bin
- Patented profiled legs with rectangular perforations for instant-fit accessories; semi-rigid PVC bumpers
- ABS-coated worktop
- Sheet-steel construction, 180°C polymerized finish
- 4 swivelling castors dia. 100 mm with brake on two sides

Characteristics

- Length: 712 mm
- Width: 458 mm
- Height: 920 mm
- Weight: 33.5 kg
- Max. loaded weight: 150 kg

Comment

Service trolley adapted to workstation for organizing and storage of displaced parts.

Reference

CIT.2475

Agreement

93.193

Guarantee

Life-time

Price

Price list page 3



FACOM Wall-mounted tool cabinet

Cabinet with roller blinds for safety-lock storage of tools.

Description

- 2101.AT cabinet supplied empty without hooks
- Equipped with perforated panel which will take storage hooks for special tools as well as standard hooks
- Two roller blinds, one with safety-lock closure
- Sheet-steel construction, 180°C polymerized finish

Other version:

- 1,500 mm cabinet: ref. 2102 T

Characteristics

- Length: 2,000 mm
- Width: 200 mm
- Height: 760 mm
- Weight: 130 kg
- Max. loaded weight: 100 kg

Comment

Well-designed, customized storage of tools at workstation.

Options

- 2,000 mm workbench: ref. 2104.200BB
- Composition of tool set: ref. CM.101

Reference

2101.AT

Agreement

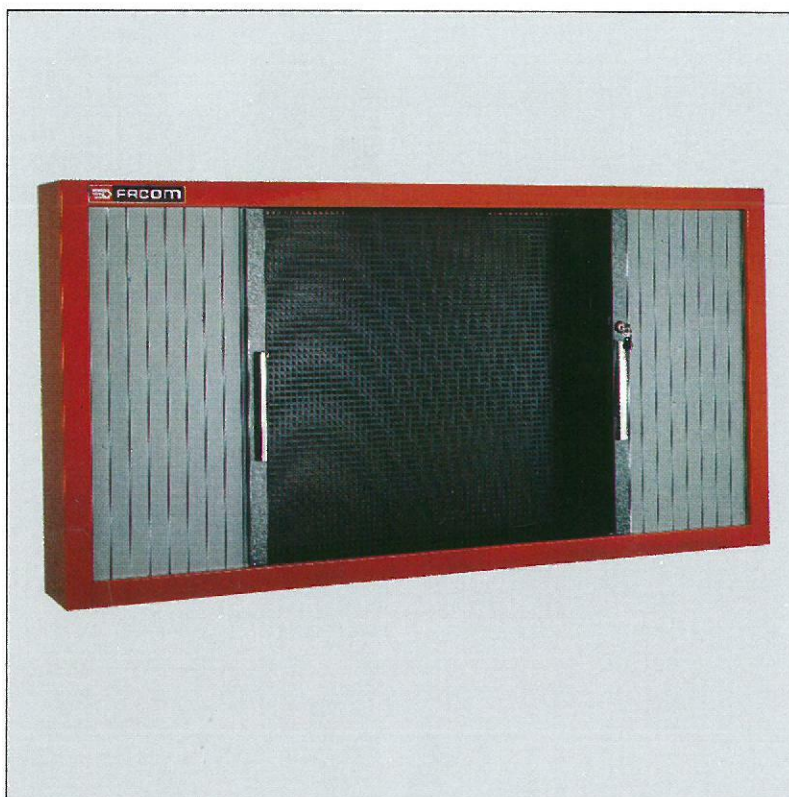
93.194

Guarantee

Life-time

Price

Price list page 3



FACOM Bench

Workshop bench.

Description

- 2104.150AA workbench with varnished beech plywood worktop, 40 mm thick
- Pedestals in folded and welded steel
- Warp-resistant base and intermediate shelf
- Sheet-metal panels have a 180° C polymerized finish

Other versions:

- Workbench without 200 cm drawer: ref. 2104.200AA
- Workbench without 175 cm drawer: ref. 2104.175AA
- Workbench with 2 blocks of four 200 cm drawers: ref. 2104.200BB
- Workbench with 2 blocks of four 175 cm drawers: ref. 2104.175BB

Characteristics

- Length: 2,000 mm
- Width: 720 mm
- Height: 870 mm
- Weight: 117.37 kg

Comment

Sturdy equipment.

Option

- 125 mm "mechanic's" vice: ref. 1223.125

Reference

2104.150AA

Agreement

93.195

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

MULLER BEM Bench

Workshop bench.

Description

- Steel frame
- Wooden worktop

Characteristics

- Length: 1500 mm
- Width: 765 mm
- Height: 880 mm
- Thickness of work surface: 40 mm
- Weight: 56 kg

Comment

Multi-purpose modular, extendable bench.

Options

- Single drawer unit: ref. 111050-02
- 2 drawer unit: ref. 111050-03
- Trolleys that can fit under the bench:
 - Tool box trolley: ref. 111055
 - 5 drawer trolley: ref. 111054
 - 3 drawer trolley with tool box: ref. 111053
- Tool support panel: ref. 111050-04
- Leg extensions: ref. 111050-01

Reference

111050

Agreement

93.056

Guarantee

Life-time

Price

Price list page 3





1.2 HAND TOOLS

TORQUE WRENCHES

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TOOL KITS

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TOOL BOXES

<i>Mobile tool box</i>	35-37
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FACOM Torque wrench

Tool used for tightening to specific torques.

Description

- General engineering wrench with automatic release and reset
- Adjustment by graduated precision vernier (1 Nm)
- 40 to 200 Nm capacity
- 1/2" square drive for use with sockets and all standard accessories
- Supplied in case with adaptable ratchet, stationary square drive and a pivot knob

Other versions:

- 5 to 25 Nm wrench: ref. R.300
- 20 to 100 Nm wrench: ref. S.300
- 70 to 360 Nm wrench: ref. S.320

Characteristics

- Length of case: 625 mm
- Width of case: 175 mm
- Thickness of case: 55 mm
- Weight: 4.37 kg
- Precision: +/- 4 %

Comment

Precision tool with automatic release and reset.

Reference

S.310

Agreement

93.166

Guarantee

Life (not calibration)

Price

Price list page 3



FACOM Torque screwdriver

Tool for tightening to specific torques.

Description

- Torque screwdriver with vernier graduated in Newton-metres
- Automatic release and reset
- Adheres to standards ISO 6789 and NF ISO 6789, type 2, class D
- Supplied in case with recesses, along with instructions, adjustable ratchet handle, 9 sockets, 2 extensions, 1 bit holder, an adjusting key, and a certificate of conformity, individually numbered and dated

Other version:

- Composition with bits:
ref. A.300J1

Characteristics

- Length of case: 290 mm
- Width of case: 140 mm
- Depth of case: 60 mm
- Weight: 1.036 kg
- Length of screwdriver: 150 mm
- Capacity: 0.5 to 2.5 Nm
- Precision: $\pm 6\%$
- 3 releases per revolution
- 1 graduation = 0.01 Nm
- Driver: 1/4"

Comment

Ergonomically-designed tool essential for tightening small components to specific torques.

Options

- Sockets
- Bits for slotted heads
- Bits for Pozidriv heads
- Bits for Phillips heads
- Bits for Torx heads
- Bits for hexagon socket heads

Reference

A.312J1

Agreement

93.167

Guarantee

Life (not calibration)

Price

Price list page 3



SERVICE
INFO

FACOM Mechanic's tool kit

Set of tools for mechanics.

Description

- 141-tool set:
- 18 combination wrenches
 - 4 flare nut wrenches
 - 11 angled socket wrenches
 - Seven 2.5 to 10 mm hexagonal keys on chromed holder
 - Mirror
 - Magnetic retriever (retrieval of bolts)
 - Set of feeler gauges
 - 2 m tape rule
 - Pair of grinding goggles
 - Set of Tee wrenches
 - Flat file
 - Round file
 - Half-round file
 - Triangular file
 - Wire brush
 - Rule
 - 26-tool case S.425 EP, 1/4-inch
 - 20-tool case S.422 EP, 1/2-inch
 - Set of combination pliers, 200 mm long
 - Set of half-round nose pliers, 200 mm long
 - Set of angled half-round nose pliers, 200 mm long
 - Set of flat-nose pliers, 165 mm long
 - Side nippers, 165 mm long
 - Multigrip pliers, 250 mm long
 - 6 flat-blade screwdrivers, one stubby
 - 8 Torx screwdrivers
 - 2 Phillips screwdrivers
 - 2 Pozidriv screwdrivers
 - Stubby screwdriver for cross-heads, 2 x 40 mm
 - Riveting hammer
 - Recoil-free hammer
 - Flat chisel, 253 mm long
 - Centre punch
 - 6 drift punches
 - Flat scraper
- Accessories to order separately:
- Pair of gloves: ref. BC.10

Comment

Tools essential for mechanics.

Option

- Air engraving pen: ref. V.820

Reference

CIT.MECA

Agreement

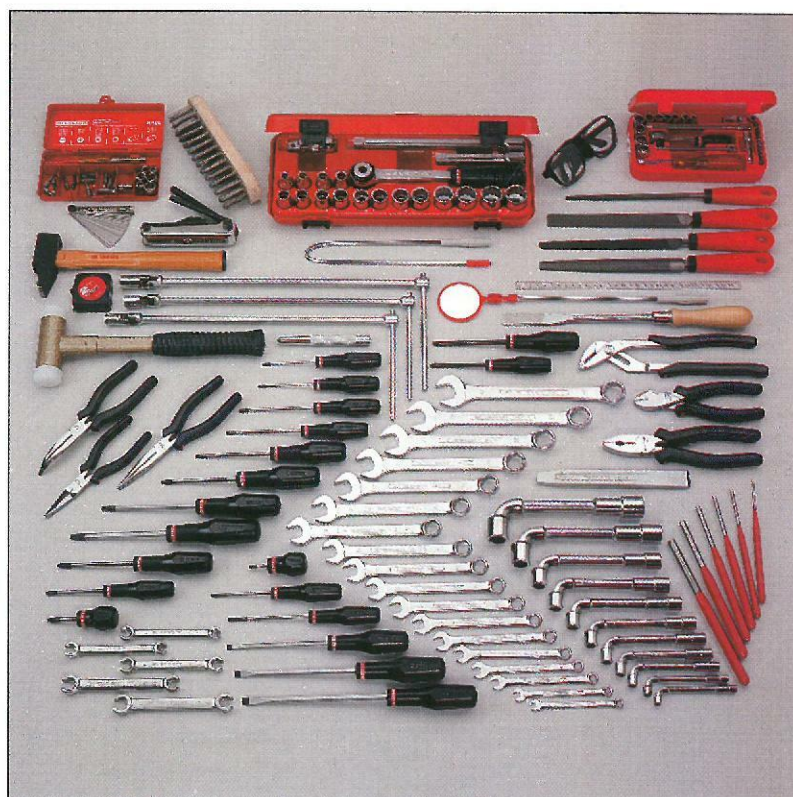
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Guarantee

Life-time

Price

Price list page 3



MULLER BEM Mechanic's tool kit

Set of tools for mechanics.

Description

Set of 153 tools:

- 18 combination wrenches (set of 6 to 23 mm)
- 10 6 x 6 pipe wrenches open flats (set of 7 to 14 plus 17 and 19)
- 3 pipe fitter's wrenches (8 x 9, 10 x 11, 12 x 13)
- 3 hinged wrenches L = 500 sizes 11, 12 and 13
- Set of allen keys from 2.5 to 8 mm
- Set of 1/4" drive sockets with ratchet wrench
- Set of 1/2" drive sockets with ratchet wrench
- Set of 5/16" end fittings
- Universal pliers L = 200 mm
- Straight long nosed pliers L = 200 mm
- Cranked long nosed pliers L = 200 mm
- Flat long nosed pliers L = 160 mm
- Diagonal wire cutters L = 160 mm
- Multi /rack grips L = 250 mm
- Ball pean hammer - 30
- Recoil free mallet - 34
- Cold chisel L = 200 mm
- Centre punch 12 x 150
- 6 Pin punches 3 to 8 x 150
- Flat bastard file L = 300 mm
- Half round medium cut file L = 250 mm
- Three cornered medium cut file L = 250 mm
- Medium cut rat tail file L = 200 mm
- Wire brush
- Flat scraper L = 265 mm
- Adjustable mirror
- Screw retrieval magnet
- Feeler gauges
- 21 removable blades
- Single fold rule in metal case
- Flexible engineer's rule L = 300 mm
- Protective goggles
- 6 flat screwdrivers 75 x 3,5 x 0,6; 100 x 4 x 0,8; 125 x 5,5 x 1; 150 x 6,5 x 1,2; 175 x 8 x 1,6; stub 25 x 6
- 5 Phillips cruciform screwdrivers Nos. 2 and 2, Pozidrive Nos. 1 and 2, Stub No. 2
- Torx screwdrivers T9, T10, T15, T20, T25, T27, T30, T40

Comment

Set of essential mechanic's tools.

Option

- Hand engraver: ref 3465-2

Reference

111021-500

Agreement

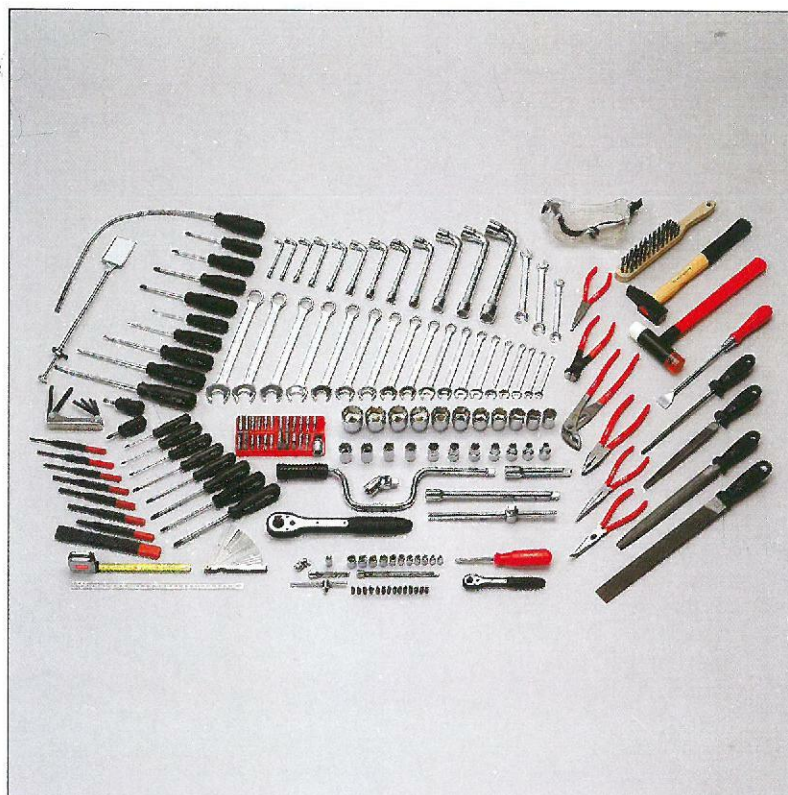
93.040

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

GEDORE Mechanic's tool kit

Set of tools for mechanics.

Description

- Tool set consisting of 147 tools:
- 18 combination wrenches from 6 to 23 mm
 - 8 double ended offset ring wrenches from 6 x 7 to 20 x 22 mm
 - 4 flare nut spanners 8 x 10, 9 x 11, 11 x 13, 12 x 14
 - 3 swivel head socket wrenches with T-Bar, L = 500 mm (11, 12, 13)
 - 1 Allen head wrench set from 2,5 to 8 mm
 - 18 pieces 1/4" socket set Nr 20 HMU-3
 - 25 pieces 1/2" socket set Nr 19 TMU-2
 - 1 combination plier L = 200 mm
 - 1 straight nosed telephone plier L = 200 mm
 - 1 angled nosed telephone plier L = 200 mm
 - 1 flat nosed plier L = 160 mm
 - 1 diagonal cutting nipper L = 160 mm
 - 1 waterpump plier L = 250 mm
 - 6 screwdrivers for slotted head screws 3 x 80, 4 x 100, 5,5 x 125, 6,5 x 150, 8 x 175, stubby 25 x 6,5
 - 2 screwdrivers for Phillips screws Nr 1 & 2
 - 2 screwdrivers for Pozidriv screws Nr 1 & 2
 - 1 stubby screwdriver for cruciform head screws Nr 2
 - 8 screwdrivers for Torx head screws T9, T10, T15, T20, T25, T27, T30, T40
 - 1 flat file L = 200 mm
 - 1 round file L = 200 mm
 - 1 halfround file L = 200 mm
 - 1 triangular file L = 200 mm
 - 1 set of 18 bits and 1 bit handle in plastic box
 - 1 engineer's hammer
 - 1 recoil-free hammer
 - 1 flat cold chisel L = 200 mm
 - 1 centre punch
 - 5 pin punches 3, 4, 5, 6, 8
 - 1 wire brush
 - 1 flat scraper
 - 1 inspection mirror
 - 1 magnetic lifter
 - 1 steel measuring tape-2 metre
 - 1 feeler gauge
 - 1 pair of eye goggles

Comment

Essential tools for mechanics.

Reference

S 149 M-CIT

Agreement

93.205

Guarantee

Life-time

Price

Price list page 3



FACOM Panel beater's tool kit

Set of tools for panel beaters.

Description

161 tool set:

- 19 combination wrenches
- 12 open-socket wrenches, 6 x 6 point
- 7 keys on chrome holder
- Case of 12 Torx keys
- 26-tool case R.425 EP, 1/4-inch
- 20-tool case S.422 EP, 1/2-inch
- Combination pliers, 205 mm long
- Set of half-round nose pliers
- Set of end nippers, 250 mm long
- Set of multigrip pliers, 250 mm
- Lock-grip pliers, 225 mm long
- Lock-grip pliers, angle-section
- Jaw lock-grip pliers
- Set of shears
- 5 flat-blade screwdrivers, one stubby
- 3 screwdrivers for cross-heads, one stubby
- 2 Pozidriv screwdrivers
- 8 Torx screwdrivers
- Riveting hammer
- Recoil-free hammer
- Chisels, 1 each: flat, slim-profile, side-and-end
- Bolster with guard
- 2 drift punches, 3 and 4 mm
- Hacksaw frame
- Set of 10 blades
- Three-square scraper
- Frame for milled file
- Milled file, 350 mm long
- Bumping hammer
- Shrinking dresser
- Flat dresser
- Mallet
- 1 each of following dollies: dished, regular, wedge, shaping, flat wedge
- Domed single spoon
- Narrow domed single spoon
- 3 m tape rule
- Centre punch
- Scriber
- Set of grinding safety goggles
- Stepped bit
- Mill

Comment

Tools essential to bodyworker.

Option

- Pneumatic engraving pen: ref. V.820

Reference

CIT.CAR

Agreement

93.178

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

MULLER BEM panel beater's tool kit

Set of tools for panel beaters.

Description

Selection of 173 tools:

- 18 combination wrenches (set from 7 to 24 mm)
- 12 pipe fitter's wrenches 6 x 6 open flats (set of 6 to 14 plus wrenches 17, 19 and 23)
- Set of allen keys from 2,5 to 8 mm
- Set of 9 Torx wrenches from T10 to T50
- Set 1/4" drive sockets with ratchet wrench
- Set of 1/2" drive sockets with ratchet wrench
- Universal pliers L = 200 mm
- Flat long nosed plier L = 160 mm
- Diagonal wire cutters L = 160 mm
- Multi/rack wrench L = 250 mm
- Standard clamp grips L = 250 mm
- Angle section clamp grips L = 270 mm
- Special panel beater's grips, pivoting jaws C = 70 mm
- Tin snips L = 320 mm
- Front cutters L = 250 mm
- Ball pean hammer - 30
- Recoiless mallet diameter 34 mm
- 5 flat screwdrivers 75 x 3,5 x 0,6; 100 x 4 x 0,8; 125 x 5,5 x 1; 150 x 6,5 x 1,2; stub 25 x 6
- 5 Phillips cruciform screwdrivers Nos 1 and 2, Pozidrive Nos 1 and 2, stub No 2
- 8 Torx screwdrivers T9, T10, T15, T20, T25, T27, T30, T40
- Cold chisel L = 250 mm
- 3 Panel beater's chisels
- Set of 5 panel beater's slippers
- 2 pin punches (3 x 150 and 4 x 150)
- Hacksaw frame plus 10 bimetallic blades
- Set of 4 files
- Straight hollow ground scraper L = 370 mm
- Handle for sheet metal file L = 350 mm
- Sheet metal file, mill cut bastard
- Finishing hammer
- Curved pads
- Spreading hammer
- Flat pad
- Plannishing hammer
- Flat pad

Comment

Essential panel beater's tools.

- Panel beater's mallet
- 2 spatulas (short and universal)
- Automatic centre punch
- Scriber
- Conical hole cutter (6/30 plus grease)
- Spot weld cutter
- Threefold rule in plastic box
- Protective goggles
- Welding goggles
- Articulated wrenches L = 500 mm sizes 11, 12, 13

Reference

111021-2000

Agreement

93.041

Guarantee

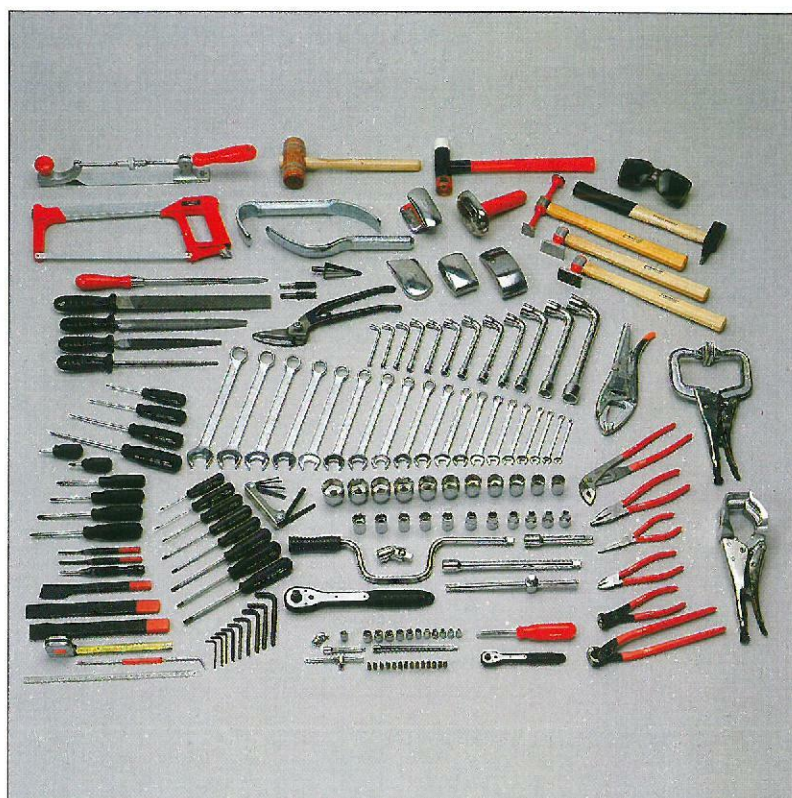
Life-time

Price

Price list page 3

Option

- Hand engraver: ref 3465-2



GEDORE Panel beater's tool kit

Set of tools for panel beaters.

Description

Tool kit consisting of 162 pieces:

- 19 combination wrenches from 6 to 24 mm
- 10 double ended offset ring wren
- 1 Allen h
- 9 soc
- 18 pieces 1/4" socket set No 20 HMU
- 25 pieces 1/2" socket set No 19 TMU-2
- 1 combination plier L = 200 mm
- 1 flat nosed plier L = 160 mm
- 1 diagonal cutting nipper L = 160 mm
- 1 end cutter L = 160 mm
- 1 waterpump pli
- 1 grip plier L = 250 mm
- 1 profile welding grip plier L = 460 mm
- 1 parallel grip plier
- 1 hole cutting shear L = 230 mm
- 5 screwdri 0, 4 x 100, 5,5 x 125, 6,5 x 150, sh
- 2 screwdrivers for Ph
- 2 screwdrivers for Pozidriv screws 1 & 2
- 1 stubby screwdriver for cruciform head screws 2
- 8 screwdrivers for TORX head scr
- 1 engineers hammer
- 1 recoil-free hammer
- 1 flat cold chisel
- 1 splitting chisel, one cut
- 1 elect
- 2 pin punches
- 1 tubular steel hacksaw
- 1 rasp
- 1 body finishing file
- 1 body finishing
- 1 finishing hammer
- 1 shrinking hammer
- 1 chaser
- 1 steel & rubber hammer
- 1 heel dolly
- 1 toe dolly
- 1 thin wedge dolly
- 1 panel beating dolly, anvil type
- 1 body spoon, short
- 1 universal body spoon
- 1 steel measure
- 1 automatic centre punch
- 1 scriber
- 1 pair of goggles
- 1 set of cone bits
- 1 spotweld cutter
- 1 flat file L = 200 mm

Comment

Essential tools for panel beaters.

- 1 round file L = 200 mm
- 1 half round f
- 1 triangular file L = 200 mm
- 1 extra flat splitting chis
- 3 swivel socket drivers

Reference

S 163 C-CIT

Agreement

93.208

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

FACOM Electrician's tool kit

Set of tools for electricians.

Description

153-tool set:

- 14 combination wrenches, 6 to 19 mm
- 9 angled socket wrenches
- Set of 10 keys, 2 to 10 mm
- 26-tool case S.425 EP, 1/4-inch
- Universal joint, 1/2-inch
- Extension, 1/2-inch
- Handle, 1/2-inch
- Ratchet, 1/2-inch
- 16 sockets, 1/2-inch
- Set of round-nose pliers
- Set of combination pliers
- Set of flat-nose pliers
- Angled half-round nose pliers
- End nippers
- Side nippers
- Set of multigrip pliers
- Wire stripper
- 2 flat-blade screwdrivers, insulated
- 2 Phillips head screwdrivers
- Pen light
- Tester screwdriver
- Soldering iron
- 8 Torx screwdrivers
- 13 spinners
- 3 bits for slotted screws
- 4 Torx bits
- 4 bits
- 2 bits for Phillips heads
- 1 Pozidriv bit
- Rule
- Square punch, 190 mm long
- Riveting hammer
- Recoil-free hammer
- Flat chisel
- Centre punch
- 2 drift punches, 3 and 2 mm
- Magnetic retriever (bolt retrieval)
- 2 m tape rule
- Set of 6 files
- Serrated shears, 220 mm long
- Knife
- Screwdriver for slotted heads
- Spark-plug brush
- Desoldering pump
- 2 insulated, flat-blade screwdriver

Comment

Tools essential for electrician.

Option

- Pneumatic engraving pen: ref. V.820

Reference

CIT.ELEC

Agreement

93.180

Guarantee

Life-time

Price

Price list page 3



BEM MULLER Electrician's tool kit

Set of tools for electricians.

Description

Selection of 146 tools:

- 14 combination wrenches (set from 6 to 19 mm)
- 9 pipe wrenches 6 x 6, open flats (set of 6 to 14 mm)
- 14 handled sockets 3,5; 4; 4,5; 5,5; 6; 7; 8; 9; 10; 11; 12; 13; 14;
- Set of 8 allen keys in a plastic clip (2 to 10 mm)
- 5 electrician's screwdrivers 100 x 3,5; 150 x 5,5; 125 x 4,0; 6/24 Volt test light
- 2 flat screwdrivers, combination and stub 25 x 6
- 4 cruciform Phillips screwdrivers Nos 1 and 2, stub No 2, N1
- 8 Torx screwdrivers T9, T10, T15, T20, T25, T27, T30, T40
- Short round nosed pliers L = 160 mm
- Universal pliers L = 200 mm
- Straight long nosed pliers L = 200 mm
- Cranked long nosed pliers L = 200 mm
- End cutters L = 160 mm
- Diagonal wire cutters L = 160 mm
- Multi/rack grips L = 250 mm
- Stripping tool L = 160 mm
- Ball peen hammer 26
- Mallet diameter 35
- Cold chisel L = 200 mm
- Centre punch 10/120
- 2 pin punches (2 and 3 x 150)
- Screwfinding magnet
- Set of miniature files in a case
- Light universal cutters
- Electrician's knife
- 60 watt soldering iron
- Solder lift pump
- Allen screwdriver with square end
- Wire brush
- Pencil torch
- Single fold rule in metal case
- Flexible rule, stainless L = 200 mm
- Set of 1/2" drive sockets with ratchet wrench, extension, square ended handle and dial: ref. 103020-600
- Set of 1/4" drive sockets with socket screwdriver fitting, adaptor and ergonomic ratchet: ref. 103202-600

Comment

Essential electrician's tools.

Option

- Hand engraver: ref. 3465-2

Reference

111021-1000

Agreement

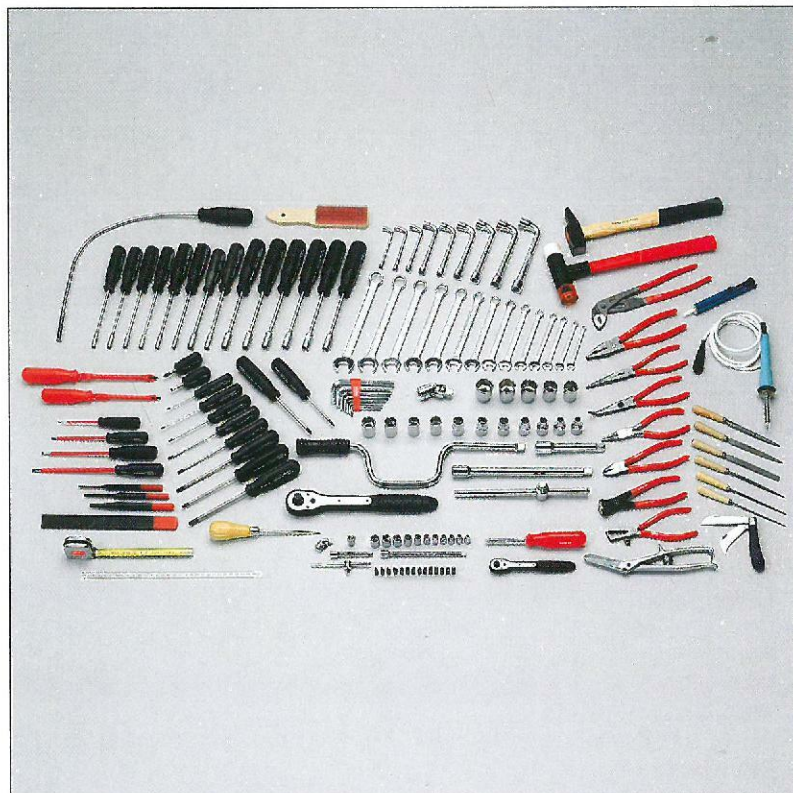
93.042

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

GEDORE Electrician's tool kit

Set of tools for electricians.

Description

Tool set consisting of 133 tools:

- 14 combination wrenches from 6 to 19 mm
- 8 double ended offset ring spanners from 6 x 7 to 20 x 22 mm
- 1 set of 9 pieces Allen head wrenches from 2 to 10 mm
- 1 set 18 pieces 1/4" socket set No 20 HMU-3
- 1 1/2" universal joint
- 1 1/2" extension
- 1 1/2" sliding-T-handle
- 1 1/2" reversible ratchet
- 3 1/2" sockets 8, 9, 10 mm
- 11 1/2" sockets from 12 to 24 mm
- 1 round nose plier L = 160 mm
- 1 straight nosed telephone plier L = 200 mm
- 1 angle nosed telephone plier L = 200 mm
- 1 combination plier L = 200 mm
- 1 end cutting nipper L = 160 mm
- 1 diagonal cutting nipper L = 160 mm
- 1 waterpump plier L = 250 mm
- 1 cable stripping plier L = 160 mm
- 4 electricians screwdrivers for slotted head screws 2,5 x 75, 4 x 100, 5,5 x 125, stubby 25 x 6,5
- 2 screwdrivers for Phillips head screws No 1 & 2
- 1 magazine handle screwdriver
- 1 car lamp tester
- 1 screwdriver for cruciform heads No 2
- 8 screwdrivers for TORX head screws T9, T10, T15, T20, T25, T27, T30, T40
- 8 nut drivers 5,5, 6, 7, 8, 10, 11, 12, 13
- 3 screwdriver bits 1/4" for slotted screws 4,5 x 0,6, 5,5 x 0,8, 8 x 16
- 4 screwdriver bits 1/4" for TORX head screws T10, T20, T25, T30
- 4 screwdriver bits 1/4" for hexagonal head screws 3, 4, 5, 6
- 1 screwdriver bit 1/4" for Pozidriv screws No 2
- 2 screwdriver bits 1/4" for Phillips screws No 1 & 2
- 1 engineers hammer
- 1 club hammer

Comment

Essential tools for electricians.

- 1 flat cold chisel L = 200 mm
- 1 centre punch
- 2 pin punches 2 & 3 mm
- 1 magnetic lifter
- 1 steel measuring tape 2 m
- 1 set of 6 pcs warding files
- 1 tin snip
- 1 electricians' knife
- 1 file cleaning brush
- 1 tilers' setting tool
- 1 soldering iron

Reference

S 131 E-CIT

Agreement

93.212

Guarantee

Life-time

Price

Price list page 3



FACOM Measuring instruments

Linear measurement set for checking dimensions and geometry.

Description

Case of 8 instruments including:

- Vernier caliper to 1/50 mm, capacity 200 mm
- 300 mm stainless rule, graduated in 1/2 mm and mm
- Depth gauge to 1/50 mm, capacity 150 mm. Fine adjustment screw
- Plain square, 150 mm. Precision class II
- Scriber
- Micrometer to 1/100 mm. Range 0-25 mm
- Divider, capacity 150 mm

Other version:

- Case of 10 instruments: ref. 809.J3

Characteristics

- Length of case: 365 mm
- Width of case: 260 mm
- Depth of case: 30 mm
- Weight: 2.6 kg

Comment

Essential set for workshops.

Options

- Set of dial indicators with magnetic base: ref. 812
- Surface plate: ref. 1201
- 2 precision vee-blocks: ref. 1202

Reference

809.J2

Agreement

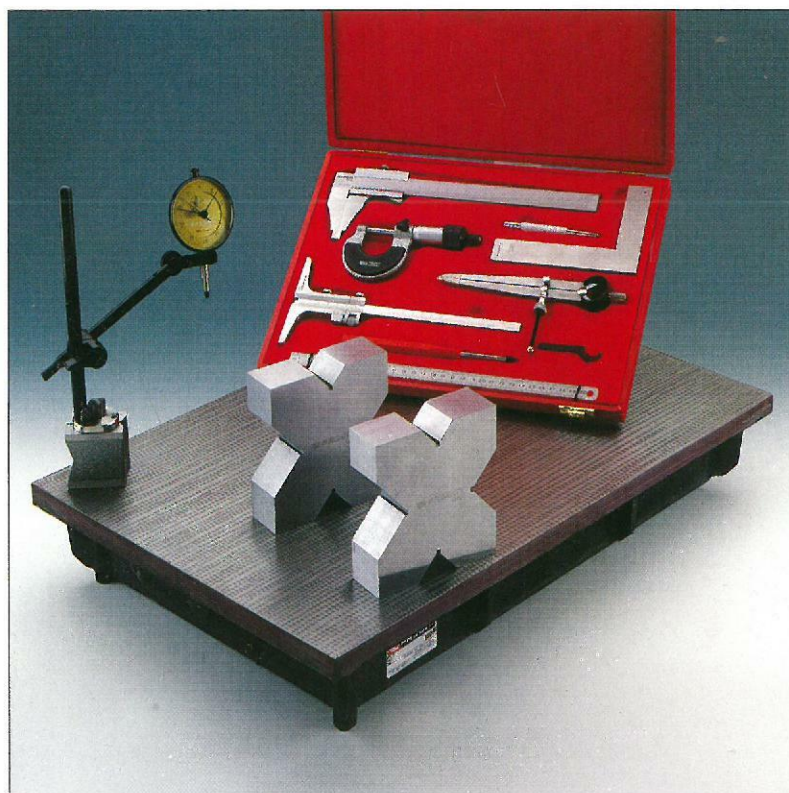
93.168

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

FACOM Set of screwdriver bits

Set for tightening and loosening Torx, Pozidriv and slotted head screws.

Description

Metal case containing 24 tools:

- 4 bits for Torx heads, 10 to 40 mm
- 3 bits for Pozidriv heads, 1 to 3 mm
- 4 bits for slotted heads, 4.5 to 8 mm
- 5 bits for hexagon socket heads, 3 to 8 mm
- 6 sockets, 6 to 13 mm
- Spinner handle, 155 mm
- Bit holder

Characteristics

- Length of case: 175 mm
- Width of case: 82 mm
- Depth of case: 31 mm
- Weight: 0.62 kg

Comment

Tools essential for all workshops.

Options

- Bits for Torx heads, 6 to 40 mm
- Bits for Pozidriv heads, 0 to 4 mm
- Bits for hexagon socket heads, 1.5 to 10 mm
- Bits for slotted heads, 3 to 8 mm

Reference

R.402

Agreement

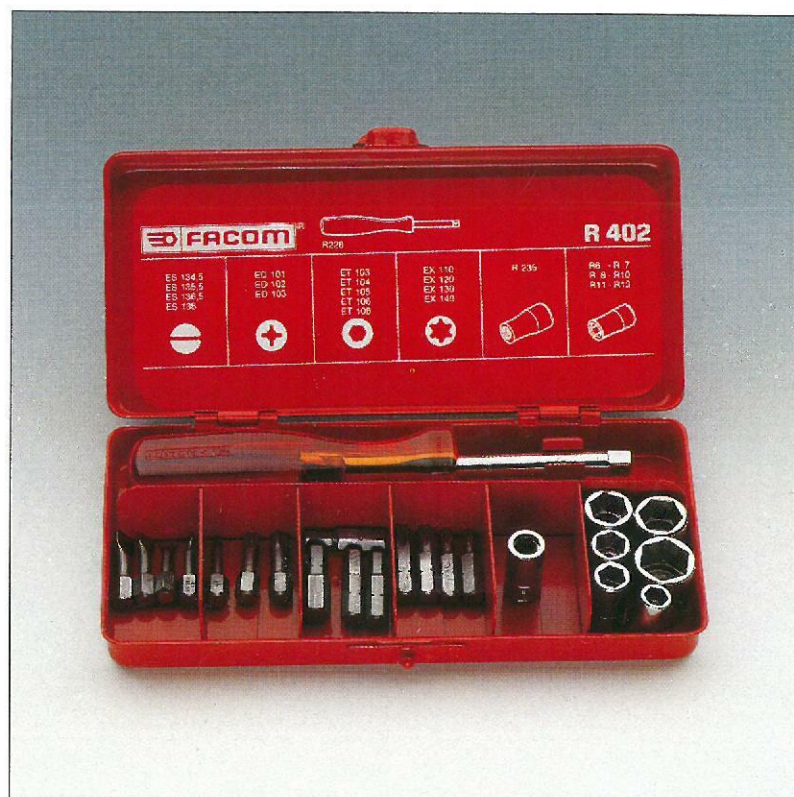
93.169

Guarantee

Life-time

Price

Price list page 3



FACOM Lubrication bay tool kit

Set for removing drain plugs and oil filter.

Description

Perforated panel supplied with hooks for 13 tools:

- Square key, 8 and 10 mm: ref. D.13
- Hexagonal key, 14 mm: ref. D.33
- Square socket wrench, 7/16": ref. D.38
- Square socket wrench, 14 mm: ref. D.40
- Square socket, 8 mm: ref. D.43
- Square socket, 10 mm: ref. D.44
- Angled hexagonal key, 12 mm: ref. F.63C
- Hexagonal key, 10 mm: ref. P.27B
- Hexagonal key, 8 mm: ref. P.57B
- Square socket wrench, 10 mm: ref. T.33A
- Square key/socket wrench, 10 mm: ref. T.173A
- 8 mm square key/10 mm socket wrench: ref. T.273
- Oil filter wrench: ref. U.46

Characteristics

- Width of panel: 444 mm
- Height of panel: 444 mm
- Weight of complete set: 4.63 kg

Comment

Set of tools specific to oil change station.

Option

- Set of 27 oil change tools ("Fast servicing" lubrication tool-set): ref. CSR.V1

Reference

TV.3C

Agreement

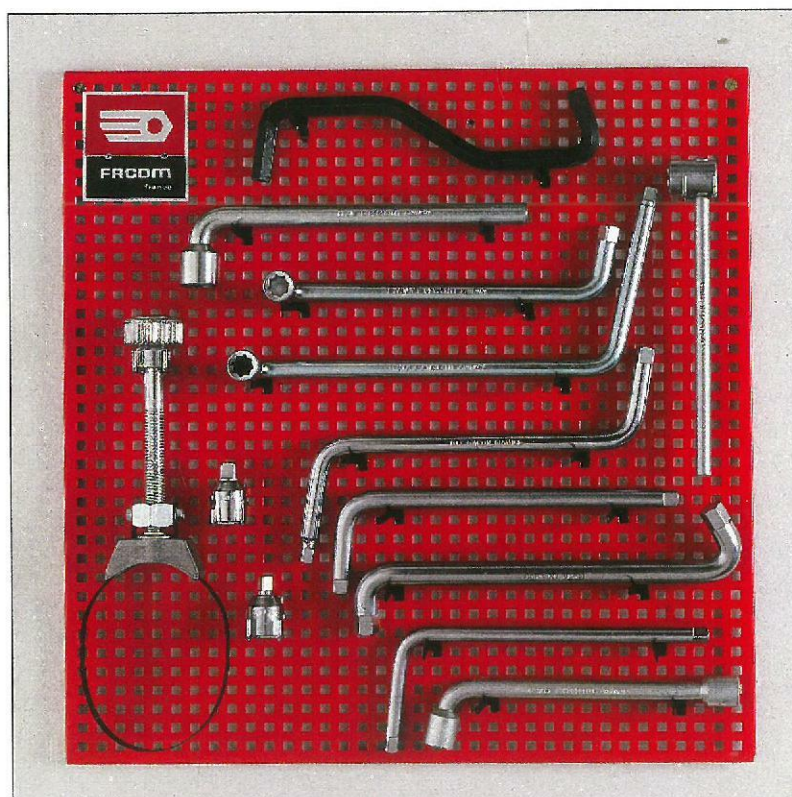
93.170

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

FACOM Wheel changing tool kit

Tools for removal of roadwheels and for tyre inspection.

Description

Perforated panel supplied with hooks for 7 tools:

- Impact wrench, 1/2" quick coupling: ref. NS.990
- 3 impact sockets, long-reach, 17, 19 and 21 mm
- Cross brace for 17, 19 and 23 mm, and 1/2" square drive: ref. 77.TO
- Tyre wear gauge: ref. CT.UA
- Valve core remover: ref. D.93

Characteristics

- Width of panel: 444 mm
- Height of panel: 888 mm
- Weight: 8.769 kg

Comment

Set of tools specific to wheel workstation.

Option

- Set of 5 tools for removal of wheels: ref. CSR.B3

Reference

CIT.ROU

Agreement

93.172

Guarantee

Life-time

Price

Price list page 3



FACOM Suspension tool kit

Tools for maintenance and repair operations on suspension.

Description

2 perforated panels supplied with hooks for 10 tools:

- MacPherson suspension spring compressor body: ref. U.79
- Red fork set for 90 to 160 mm dia. springs: ref. U.79J1
- Yellow fork set for 115 to 180 mm dia. springs: ref. U.79J2
- Blue fork set for C.15: ref. U.79J4
- Selection of 12 sockets, bits and accessories for MacPherson damper rods: ref. D.83PSA
- MacPherson separator: ref. DS.10
- Threaded fitting to extract rear suspension bars: ref. C.30
- AX and ZX torsion-bar tool: ref. P.94A
- Tensioner for anti-roll bar removal: ref. T.291A
- Chain wrench for removal of suspension spheres: ref. 136-2

Characteristics

- Width of panel: 444 mm
- Height of panel: 888 mm
- Weight of set: 29.463 kg

Comment

Set of tools specific to suspension workstation.

Options

- Hinged-fork spring compressor: ref. U.77
- Special workbench vice for MacPherson type struts: ref. D.22

Reference

CIT.SUS

Agreement

93.173

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

FACOM Braking system tool kit

Tool set for maintenance and repair operations on brakes.

Description

Perforated panel with 9 tools:

- Tool set for calipers with integral handbrake: ref. DF.6
- Tongs for winding back caliper pistons: ref. D.60A
- Pliers for hooking up parking-brake cable without effort: ref. D.79
- Hose pinchers for easy insertion over hose: ref. DM.90
- 14 x 17 mm 12-point ring wrench for eccentric adjustment: ref. C.151
- Removal tool for removing parking-brake mechanism on rear calipers: ref. T.228
- Set of 4 clips for securing cylinder pistons when shoes are removed: ref. T.243
- Steady-spring tool for removing or fitting shoe steady-springs: ref. T.259
- Brake-spring pliers for removing shoe springs: ref. 196.TS

Characteristics

- Width of panel: 444 mm
- Height of panel: 888 mm
- Weight: 5.722 kg

Comment

Set of tools specific to brake workstation.

Options

- Special set for brake pads: ref. CSR.F11
- Special set for brake linings: ref. CSR.F12
- Special set for brake discs: ref. CSR.F21

Reference

CIT.FRE

Agreement

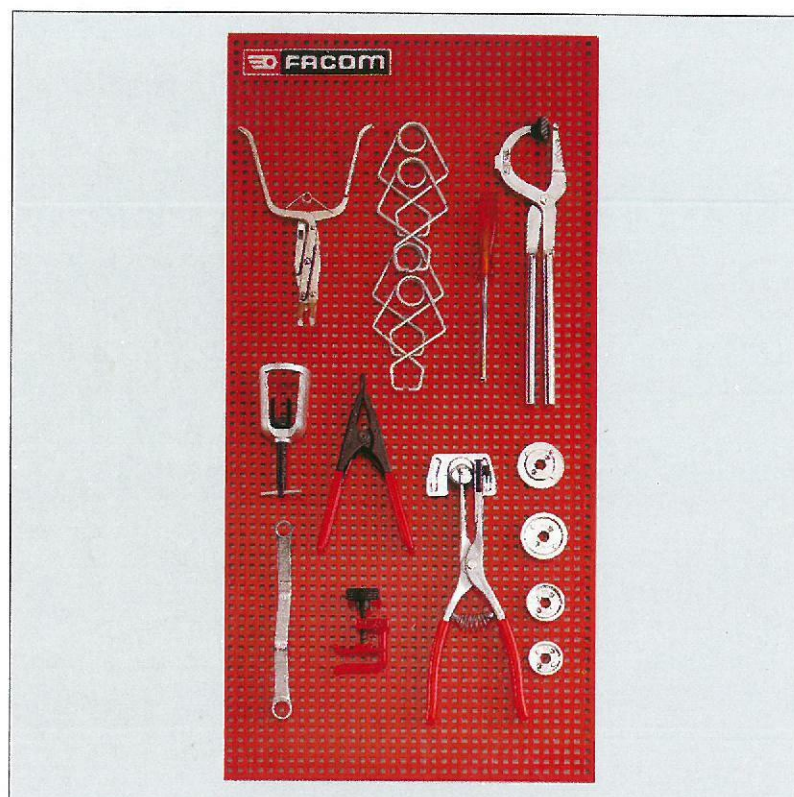
93.171

Guarantee

Life-time

Price

Price list page 3



FACOM Tap and die set

Tools for creating or restoring threads.

Description

Set 221-227J2 containing:

- 3 tap wrenches
- 2 die stocks
- 12 sets of taper and bottoming taps and 12 dies
- ISO metric RH threads
- 6H machining for thread pattern accuracy
- Chrome-vanadium HSS hardened steel hardened to 62/64 HRC
- Tapered adjusting screw, providing a range of tolerances for screw/nut matching

Characteristics

- Length of case: 540 mm
- Width of case: 284 mm
- Depth of case: 58 mm
- Weight: 6.16 kg

Comment

Set essential for workshops.

Options

- Thread restoring tool (file for repairing screw threads): ref. 237.A
- Ratchet tool holder with max. 6 mm square drive: ref. 830.10

Reference

221.227J2

Agreement

93.192

Guarantee

Price

Price list page 3



SERVICE
INFO

FACOM Number and letter punches

Tools for cold stamping.

Description

- Set of 25 cold stamping letters in hardened, nickel-plated steel

Other versions:

- Set of 25 letters, 3 mm character height: ref. 292.3
- Set of 25 letters, 5 mm character height: ref. 292.5

Characteristics

- Length of box: 110 mm
- Width of box: 40 mm
- Height of box: 80 mm
- Weight: 0.91 kg
- Height of printed character: 4 mm
- Imprint size: 8 x 8 mm
- Carbon steel hardened to 60-62 HRC

Comment

Equipment essential for alphanumeric marking of sheet metal.

Options

- Set of 9 numerals, 3 mm character height: ref. 293.3
- Set of 9 numerals, 4 mm character height: ref. 293.4
- Set of 9 punch-marks, 5 mm character height: ref. 294.5

Reference

292.4

Agreement

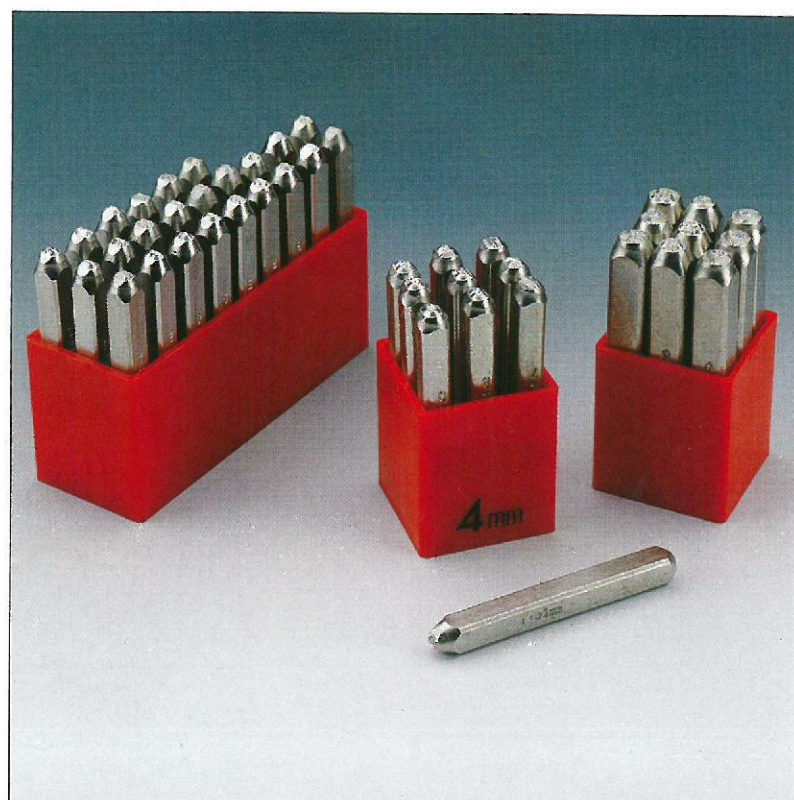
93.191

Guarantee

Life-time

Price

Price list page 3



FACOM Stud extractor

Tools for drilling down and extraction of sheared studs.

Description

Plastic case containing:

- 5 special drill bits
- 10 drill sleeves
- 5 splined pins (extractors)
- 5 hexagonal ends with splined hole (nuts)

Other versions:

- "Standard" knurl-type stud driver: ref. 286A
- Roller type stud driver: ref. 287A..JS5
- Nut splitter: ref. 289

Characteristics

- Length of case: 160 mm
- Width of case: 130 mm
- Height of case: 25 mm
- Weight: 0.54 kg

Comment

This extraction tool does not damage stud walls; maximum reach is 25 mm.

Reference

885

Agreement

93.190

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

MULLER BEM Surface plate accurate to 1/25 th

Plate for marking-off and checking component flatness.

Description

- Cast iron surface plate

Characteristics

- Length: 800 mm
- Width: 500 mm
- Weight: 73 kg
- Flatness to within 1/25 th

Comment

*Required item for
checking the flatness of a
cylinder head or any
other flat surface.*

Option

- Mechanic's rule L = 750 mm:
ref. 206330-30

Reference

206405-150

Agreement

93.046

Guarantee

1 year parts and labour

Price

Price list page 3



FACOM Mobile tool box

Professional trolley for storage of hand tools.

Description

"Workshop" roller cabinet comprising:

- 6 drawers of different heights with various partitions
- 2 large-diameter projecting wheels
- 2 castors, one with brake
- ABS-coated worktop
- Telescopic slides running on ball bearings on all drawers
- Centralized locking of all drawers with key lock
- Operating handle built in to worktop

Other versions:

- 3-drawer roller cabinet:
ref. Chrono 3
- 7-drawer roller cabinet:
ref. Chrono 7

Characteristics

- Length: 675 mm
- Width: 430 mm
- Height: 935 mm
- Weight: 63.5 kg
- Max. loaded weight: 600 kg

Comment

Ergonomic, versatile, sturdy, highly manoeuvrable, and stable. ABS-coated worktop resistant to hydrocarbons and with recessed trays.

Reference

CHRONO 5

Agreement

93.189

Guarantee

Life-time

Price

Price list page 3



SERVICE
INFO

MULLER BEM Mobile tool box

Professional trolley for storage of hand tools.

Description

- Reinforced work surface with rubber protection
- Centralised padlock securing system
- 5 drawers on ball mounted slides with stops, accessible from both sides
- Guillotine type closure panels
- Large locker for the storage of pneumatic tools
- 3 rubber protection mouldings
- 2 large diameter castors, one with a brake, with heavy duty securing points
- 2 large diameter fixed wheels with heavy duty securing points

Other version:

- 4 drawers trolley: ref 111021-4

Characteristics

- Height: 920 mm
- Width: 380 mm
- Length: 660 mm
- Diameter of castors: 100 mm
- Diameter of fixed wheels: 140 mm
- Weight: 25 kg
- Total carrying capacity: 180 kg

Comment

Ergonomically designed, multi-purpose, robust trolley, easy to move and stable.

Reference

111021-5

Agreement

93.043

Guarantee

Life-time

Price

Price list page 3



GEDORE Mobile tool box

Professional trolley for storage of hand tools.

Description

Tool trolley with:

- 4 drawers including drawer dividers, running in strong guides with ball bearings
- Chassis made of solid steel plate allowing a carrying capacity of 300 kg on worktop
- 2 fixed castors and 2 swivel castors, 1 with foot operated "dead stop" brake
- Total closing by steel shutters
- Protection rubber rings

Characteristics

- Length: 625 mm
- Depth: 400 mm
- Height: 930 mm
- Weight: 40,5 kg

Comment

Sturdy equipment, handy and stable, allowing a rational storage of tools.

Option

- Tool chest as top box for trolley: ref. 1430 CIT

Reference

1580 CIT

Agreement

93.211

Guarantee

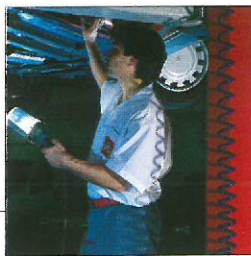
Life-time

Price

Price list page 3



SERVICE
INFO



1.3 FIXED INSTALLATIONS

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ROTARY GRINDER

<i>Bench grinder</i>	58
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FOG Workshop press

Hydraulic equipment allowing fitting and dismantling of jointed parts at 20 tons maximum.

Description

Set featuring:

- Welded monobloc frame and removable legs
- Working table with adjustable height (8 positions)
- Central jack with incorporated tank, stroke limiter, piston return by spring and pressure-gauge
- Two output foot pump with single pedal (automatic passing from the quick approach function to the working function)
- Sensitive decompression from pedal
- Supplied with:
 - 1 set of 2 monobloc "V" shaped stand
 - 1 extraction plate
 - 1 set of eight mandrels (diameter 12, 14, 16, 18, 20, 22, 25, and 30 mm)

Comment

Equipped with a rapid hydraulic approach, with foot control operation freeing the operator's hands.

Reference

255 9021

Agreement

92.019

Guarantee

1 year parts and labour

Price

Price list page 3

Characteristics

- Width: 780 mm
- Length: 700 mm
- Height: 1850 mm
- Weight: 208 kg
- Table height: 602 to 1402 mm
- Front clearance: 640 mm
- Side clearance: 210 mm
- Piston stroke: 200 mm
- Piston crown diameter: 60 mm
- Maximum distance between piston crown and table: 800 mm



CELETTE Articulated service arm

Power and extraction supply to the work-bay.

Description

Post with energy supply arm, delivered with:

- 2 fluorescent lamps at the end of the arm
- Electrical supply 3 European sockets
- Plugs delivered with each socket
- Compressed air supply
- 1 direct compressed air outlet
- 1 regulated outlet for cleaned and dry air
- 2 regulated outlets for cleaned oiled air
- 1 blue coiled extension
- 1 red coiled extension
- 2 exhaust apertures with valves equipped with switches

Other version:

- 5 meter arm: ref. ESP PBE 50

Characteristics

- Height of the post: 3 m
- Length of the arm: 6 m
- Length of reflectors: 1,20 m
- Diameter of extraction apertures: 50 mm
- Electrical supply:
 - 1 socket 380 V 32 ampere Tri + earth
 - 1 socket 220 V 16 ampere mono + earth
 - 1 plug 24 V
- Reflector power: 2 x 36 W

Comment

Overhead support for 2 work-bays, designed for bodyshops (panel work and sanding). Improves the health and safety conditions.

Options

- Co-axial air and dust extraction for sanders with quick-fit coupling: ref. ESP TA 003
- Suction pipe and bevelled suction pipe: ref. ESP ASP 835

Reference

ESP PBE 60

Agreement

93.093

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

INTAIRCO Articulated service arm

Power and extraction supply to the work-bay.

Description

- Arm 4, 5, 7 or 8 m long, with epoxy-coated metal reinforcement hinge for the arm
- Power supply box allowing the arm to be moved over 4,5 m above the floor, comprising:
 - 2 dust extraction flaps
 - 4 outlets for purified, reduced and oiled compressed air for blower and spray gun
- The power supply box is suspended 1,80 m above the floor
- Wall-mounting of arm

Other versions:

- 4 m long arm: ref. BM401
- 5 m long arm: ref. BM501
- 7 m long arm: ref. BM701
- 8 m long arm: ref. BM801

Characteristics

- Length when extended: 6000 mm
- Section of profile: 100 x 100 mm
- Diameter of extraction hose: 75 mm
- Section of the hoses: 3300 mm
- Power supply: 220/380 V
- Compressed air supply: 8 bars
- 220 V 16 A socket
- 380 V 16 A socket
- 24 V socket

Comment

Air purification tool for 2 workstations, suitable for bodyshop and paintshop. Improves hygiene and safety.

Options

- Air hose reel or trailer
- Track rail for local drying and for welding tongs
- Smoke extraction kit
- Exhaust gas extraction system
- Extractor with unblocking ASI23
- Dust extraction system 02CA
- Coaxial hose : ref. TA003

Reference

BM601

Agreement

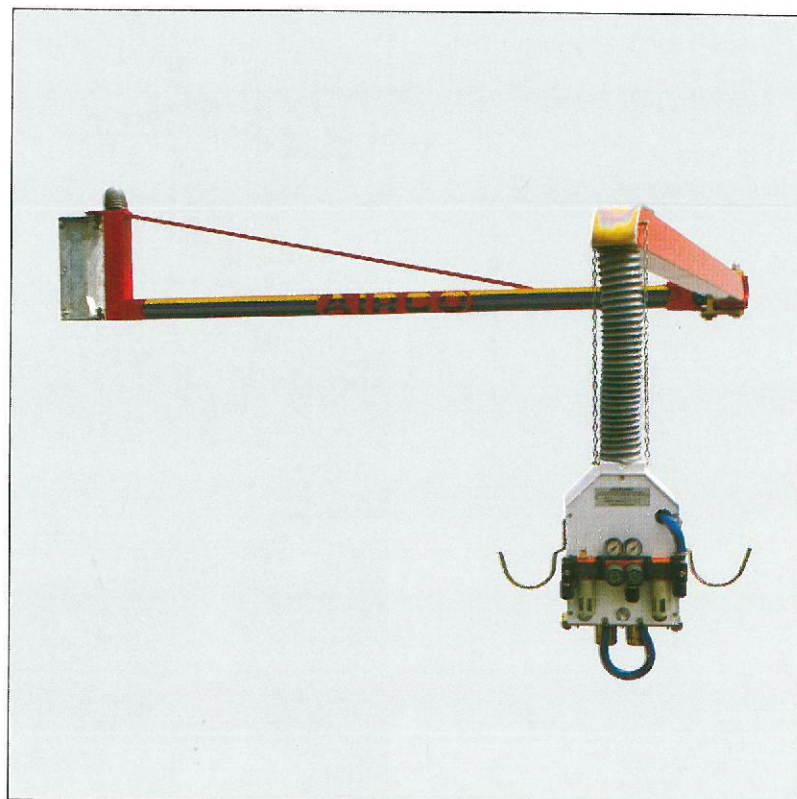
93.196

Guarantee

1 year parts and labour

Price

Price list page 4



CREYSSSENSAC/FIAC Piston air compressor

Equipment allowing compressed air storage with a continuous output.

Description

Compressor delivered ready to operate, to locate on ground without foundations and equipped with top grade components.

- LEROY SOMER motors
- Tele mecanique electrical components
- Hour timer
- Fan cooling
- Two stage cast iron cylinders with oversized valve plates
- Receiver in conformity with EEC 87400 normes

Other versions:

- Pixair 2 hp, 10 bar: ref. PX1002
- Pixair 3 hp, 10 bar: ref. PX2003
- Pixair 5.5 hp, 10 bar: ref. PX3005
- Pixair 5.5 hp, 10 bar: ref. PX5005
- Pixair 7.5 hp, 10 bar: ref. PX5007
- Pixair 10 hp, 10 bar: ref. PX5010
- Pixair 3 hp, 12 bar: ref. PX3003B
- Pixair 5.5 hp, 12 bar: ref. PX3005B
- Sound insulated line: ref. PSX

Characteristics

- Length: 1920 mm
- Width: 600 mm
- Height: 1280 mm
- Weight: 280 kg
- Operating pressure: 12 bars
- Actual delivery: 42 m³/h
- Receiver capacity: 500 l
- Voltage: 220 V/380 V 3 phase
- Motor: 7.5 hp

Comment

Efficient and sturdy equipment for intensive use. Control board with maintenance programme

Options

- Star delta starting
- Maintenance contract

Reference

PX 5007B

Agreement

93.136

Guarantee

2 years parts and labour

Price

Price list page 4



SERVICE
INFO

COMPAIR LUCHARD Piston air compressor

Equipment allowing compressed air storage with a continuous output.

Description

- Motor-compressor group sitting upon a 500 l
- Air tank. A V designed aluminium alloy four cylinder twin stage compressor, equipped with cast iron cylinder jackets and low inertia valves
- A wide diameter flywheel and 4 coolers (2 intermediate and 2 final) ensure the valves long life and the compressed air quality
- A manostat ensures the 4 coolers outside position
- Control board with synoptic maintenance

Other versions:

- 30 m³/h (5,5 hp) compressor: ref. 526 9820
- 42 m³/h (7,5 hp) compressor: ref. 526 9821
- 42 m³/h (7,5 hp) compressor with star-delta starting: ref. 526 9822
- 62 m³/h (10 hp) compressor: ref. 526 9823
- 62 m³/h (10 hp) compressor with star-delta starting: ref. 526 9824

Characteristics

- Length: 2080 mm
- Width: 620 mm
- Height: 1370 mm
- Weight: 318 kg
- Electrical voltage: 3 x 380 V
- Power: 11 kW
- Air pressure: 8/10 bars
- Gross output: 106 m³/h
- Effective output: 87 m³/h
- Capacity of the horizontal tank: 500 l
- Female connector diameter: 1 inch

Comment

Heavy-duty and reliable equipment for intensive use.

Reference

526 9831

Agreement

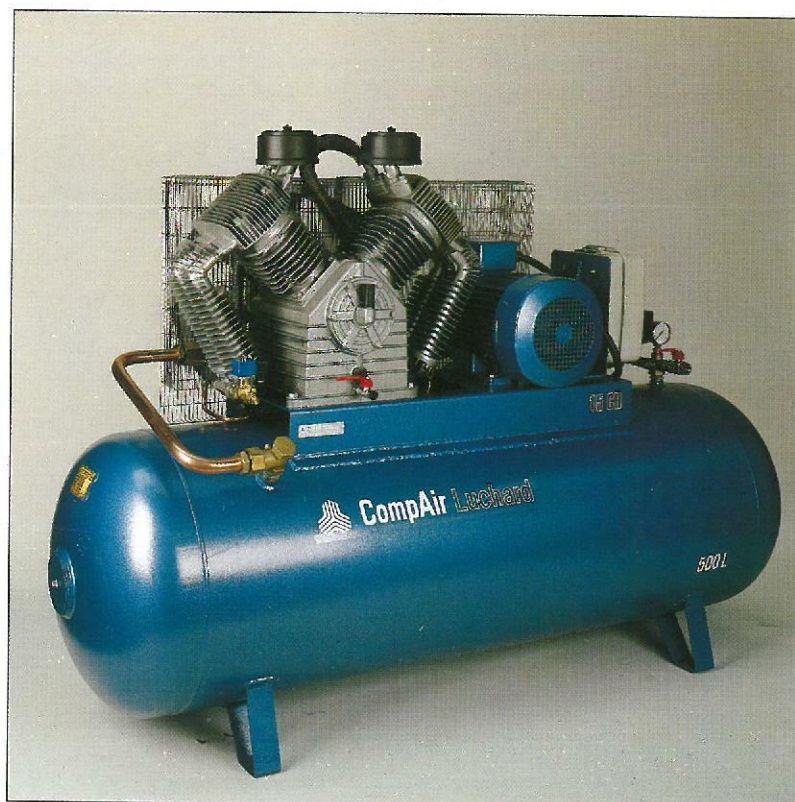
93.231

Guarantee

1 year parts and labour

Price

Price list page 4



CRESSENSAC/FIAC Screw air compressor

Equipment allowing compressed air to be stocked in the receiver.

Description

The compressor ROLLAIR 4000 X is of the rotating screw type designed for 24 hour a day continuous operation. It consists of:

- A CREYSSENSAC compression unit
- An operation and control cabinet
- A star delta starter
- Belt drive
- Air and oil receiver
- On/off delivery control by suction closing
- An integrated final air cooler equipped with a timer operated purge solenoid valve
- A rapid vacuum draining system
- A control board with synoptic signals and pressure gauge for the air at the supply outlet
- The canopy allows for a perfect sound insulation of the package
- The package can be installed on the ground without anchors

Other versions:

- With electro mechanical board: RLR 4000 E, 3000 E, 2500 E, 2000 E, 1500 E, 1000 E, 750 E, 550 E. Installed on 500 L receiver

Characteristics

- Length: 1570 mm
- Width: 985 mm
- Height: 1300 mm
- Weight: 550 kg
- Voltage: 220/380 V
- Nominal pressure at full delivery: 8/10 bars
- Actual delivery norm ISO 1217 at 8 bars: 276 m³/h
- Actual delivery norm ISO 1217 at 10 bars: 241 m³/h
- Power: 40 hp
- Sound level: 72 dba
- Oil receiver capacity: 20 l
- Maximum residual oil quantity in outlet: ppm
- Outlet diameter: 1,25 inch
- Air temperature at final cooler outlet air: 10°
- Motor rotating speed: 3000 rpm
- F class IP 235 protection

Comment

Sturdy, reliable equipment, easy and limited maintenance, good sound insulation.

Options

- Air receiver: ref 10001
- Filter: ref 871 hf
- Purge unit: ref deh 3

Reference

ROLLAIR 4000 X

Agreement

93 139

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

COMPAIR LUCHARD Screw air compressor

Equipment allowing compressed air to be stocked in the receiver.

Description

- Fully covered and sound-proofed equipment
- Rotary model with lubricated screw
- The compressed air crosses an air/oil separator followed by an air-cooler
- The oil collected in the separator crosses an independent pulsed air cooler, followed by a filter before going back to the compressor
- An electronic circuit controls the running and the maintenance functions as well as the defects and the safety

Other versions:

- 63 m³/h (10 hp) model: ref. 526 9805
- 63 m³/h (10 hp) model with star-delta starting: ref. 526 9806
- 95 m³/h (15 hp) model: ref. 526 9809
- 95 m³/h (15 hp) model with star-delta starting: ref. 526 9810
- 142 m³/h (20 hp) model with star-delta starting: ref. 526 9814

Characteristics

- Length: 1130 mm
- Width: 740 mm
- Height: 1120 mm
- Weight: 355 kg
- Electrical voltage: 3 phase 380 V
- Power: 25 hp
- Air pressure output: 7/9 bars
- Effective output: 170 m³/h
- Noise level: 72 dBA
- Air output temperature: 10°C
- Male connector diameter: 1 inch

Comment

Continuous air production without efficiency loss but low maintenance and noise level.

Options

- Hose-pipe of 0,75 m: ref. 526 7001
- 500 l vertical tank: ref. 526 9964
- 800 l vertical tank: ref. 526 9966
- 1000 l vertical tank: ref. 526 9967

Reference

526 9815

Agreement

93.227

Guarantee

1 year parts and labour

Price

Price list page 4



CREYSSSENSAC/FIAC

Compressed air reservoir

Equipment allowing compressed air storage.

Description

- Vertical 1000 l receiver with base
- Installed on the ground without foundations
- Equipped with a safety valve
- A manual 1/4 turn drain tap
- Air inlet and outlets
- High resistance painting to avoid corrosion
- An inspection door allowing the official checks to be carried out
- Conforms to the EEC 87404 note with calculation sheet CODAP 90

Other versions

- Vertical receiver: 300 l, 500 l, 2000 l, 3000 l, 5000 l, 10000 l
- Horizontal receiver: 100 l, 200 l, 300 l, 500 l

Characteristics

- Capacity: 1000 l
- Diameter: 850 mm
- Weight: 240 kg
- Operating pressure: 10,5 bars

Comment

Vertical receiver with limited surface dimensions.

Options

- Galvanised receiver
- Compressor: ref 4000 X
- Electronic purge: ref deltomatic 230

Reference

1000 l

Agreement

93140

Guarantee

1 year parts

Price

Price list page 4



SERVICE
INFO

COMPAIR LUCHARD

Compressed air reservoir

Equipment allowing compressed air storage.

Description

- Vertical cylinder tank of 1000 l
- Rounded ends, one equipped with flanges for ground fixing
- Manometer
- Safety valve
- Drain tap
- Output valve
- A pressure test is compulsory every ten years
- Meets the EN 286 standard and the EEC 87 404 directive dated 25/07/87 and 30/06/92 according to the CODAP90 calculation basis

Other versions:

- 500 l vertical tank: ref. 526 9964
- 800 l vertical tank: ref. 526 9966

Characteristics

- Overall height: 2150 mm
- Diameter: 850 mm
- Weight: 350 kg
- Capacity: 1000 l
- Maximum pressure: 14 bars
- Connector diameter: 2 inches

Comment

Low overall dimensions.

Reference

526 9967

Agreement

93.230

Guarantee

1 year parts and labour

Price

Price list page 4



CREYSSSENSAC/FIAC

Compressed air drier

Equipment allowing the compressed air coming from the compressor to be dried.

Description

- Autonomous equipment installed on the ground
- The operation of the air drier is fully automatic and does not call for any particular maintenance: it provides a +3° dew point
- Control board
- General switch
- On/off compressor switch
- Low voltage light
- Compressor operation light
- Purge test with light
- Dew point indicator
- Hermetic compressor unit using R22 freon
- Electronic purge

Other versions

- Delivery 27 m/h: ref. CW3
- Delivery 42 m/h: ref. CW4
- Delivery 72 m/h: ref. CW7
- Delivery 138 m/h: ref. CW14
- Delivery 180 m/h: ref. CW18
- Delivery 271 m/h: ref. VW27

Characteristics

- Width: 744 mm
- Height: 930 mm
- Length: 700 mm
- Weight: 170 kg
- Maximum operating pressure: 16 bars
- Actual delivery at 35°C: 361 m/h
- Voltage: 220 V single phase
- Maximum power: 1.62 kW
- Air connection: 1.5 inch

Comment

*Reliable equipment,
limited maintenance and
fully silent.*

Options

- Turn key installation
- Remote control

Reference

CW 36

Agreement

93138

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

COMPAIR LUCHARD

Compressed air drier

Equipment allowing the compressed air coming from the compressor to be dried.

Description

- Equipment fully covered and self-contained
- The air circuit features an air/air exchanger/saver and an air/freon exchanger
- The cooler circuit features a refrigerator group

Other versions:

- 35 m³/h air drier: ref. 526 8090
- 74 m³/h air drier: ref. 526 8091
- 105 m³/h air drier: ref. 526 8092
- 135 m³/h air drier: ref. 526 8093

Characteristics

- Width: 350 mm
- Depth: 475 mm
- Height: 745 mm
- Weight: 60 kg
- Electrical voltage: 1 x 220 V
- Nominal capacity of treatment: 180 m³/h (for a dew point of 2/3°C and a surrounding temperature of 35°C)
- Allowable maximum air pressure: 16 bars
- Female inlet and outlet connector diameters: 1 inch

Comment

Reliable equipment, low maintenance, quiet and essential for the good air quality needed for painting and pneumatic tools.

Reference

526 8094

Agreement

93.228

Guarantee

1 year parts and labour

Price

Price list page 4



CREYSSENSAC/FIAC

Compressed air filter

Equipment enabling the compressed air to be filtered.

Description

Oil removing filter 871 IIF consisting of:

- Aluminium construction
- Efficient filtering media to retain condensates, solid particles and oil

- A saturation indicator

- An automatic purge

The selection of a filter is related to the degree of filtration asked for and the flow of the air to be filtered

Other versions

- Filter 35 m/h: ref. 850 HF
- Filter 55 m/h: ref. 851 HF
- Filter 100 m/h: ref. 852 HF
- Filter 170 m/h: ref. 170 HF

Characteristics

- Height: 417 mm
- Diameter: 115 mm
- Weight: 2.4 kg
- Maximum operating pressure: 16 bars
- Delivery: 210 m/h
- Maximum inlet temperature: +50°C
- Minimum inlet temperature: +2°C
- Connection: 1 inch
- Filtration: from 0.1 to 0.01 micron

Comment

This filter eliminates contamination by water and oil condensates, dust, carbon deposits, etc...

Options

- Pre filter: PF 871
- Blockage indicator with time delayed electronic purge: deltomatic 230

Reference

871.HF

Agreement

93137

Guarantee

1 year parts and labour

Price

Price list page 4



COMPAIR LUCHARD

Compressed air filter

Equipment enabling the compressed air to be filtered.

Description

- Set composed of a pre-filter and an independent filter adaptable to the outlet of the compressed air tank
- If the installation comprises an air drier, the pre-filter must be placed "upstream" and the filter "downstream"
- The pre-filter featuring a ceramic cartridge allows the elimination of liquid particles up to 0,01 micron and a residual amount of oil of 0,01 ppm thanks to the coalescence effect
- Automatic draining and condensing level

Other versions:

- 42 m³/h output filter:
ref. 526 8082
- 90 m³/h output filter:
ref. 526 8083
- 144 m³/h output filter:
ref. 526 8084

Characteristics

- Overall width: 109 mm
- Overall height: 367 mm
- Weight: 2,2 kg
- Nominal output at 7 bars:
210 m³/h
- Maximum pressure: 16 bars
- Female connector diameter:
1,5 inch

Comment

Air quality improvement device.

Reference

526 8085

Agreement

93.229

Guarantee

1 year parts and labour

Price

Price list page 4



CREYSSENSAC/FIAC Water separator

Purge equipment allowing the treatment of all the condensates connected with the compressed air.

Description

Installed on the ground, the separator unit consists of:

- A patented expansion and sound insulating room
- An impurities collector
- An active carbon filter
- An oil outlet
- A water outlet

The use of a purge separator allows an efficient separation between the oil and the water present in the condensates

Characteristics

- Height: 930 mm
- Diameter: 460 mm
- Receiver capacity: 80 l
- Active carbon: 1 x 15 l
- Condensate inlet: DN 25
- Oil and water outlet: DN 32
- Weight: 16 kg
- Treated delivery: 12 m³/mn

Comment

Equipment adaptable to all screw and reciprocating compressors. Treatment of the condensates before the outlet.

Reference

DHE 3

Agreement

93.141

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

ZECA Automatic reel mounted lead lamp

Equipment for lighting work place.

Description

- Automatic roller fitted with a spring
- Guiding device
- Coiled cable
- Catches applicable every 50 cm
- Adjustable support for wall fixing
- Friction contactor with ring and brush commutator
- Portable lamp with protective insulation and unbreakable plastic bell (10 A)
- Can be used in moist places or with large metallic masses
- Degree of protection: IP 55

Characteristics

- Length: 0,415 m
- Height: 0,31 m
- Thickness: 0,15 m
- Weight: 4 kg

Comment

*Suspended position
allowing efficient off
ground storage.*

Reference

907 F

Agreement

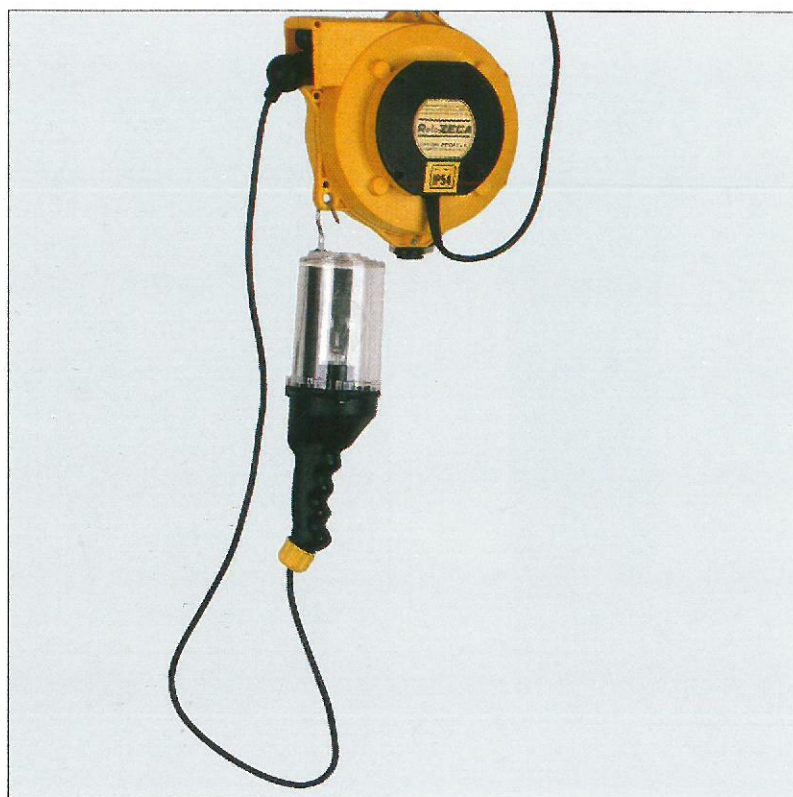
93.113

Guarantee

1 year parts

Price

Price list page 4



ZECA Automatic compressed air hose reel

Compressed air supply to the work place.

Description

- Roller with aluminium box
- Pressure moulded and stove enamelled
- Adjustable support for wall fixing
- Contact resin tube
- Stop catches applicable every 0.50 m

Characteristics

- Length: 0.41 m
- Height: 0.38 m
- Thickness: 0.21 m
- Weight: 10.5 kg
- Tube Length: 10.00 m
- Tube section: 8 mm
- Rolled-up length: 8 m
- Pressure: 18 bars

Comment

*Suspended position
allowing efficient off
ground storage.*

Reference

813/PAIR/E

Agreement

93.114

Guarantee

1 year parts

Price

Price list page 4



SERVICE
INFO

VACULA Automatic compressed air hose reel

Compressed air supply to the work place.

Description

- Wall mounting, rotatable
- Hose lock
- Easy and safe to use
- Long service life
- Light in weight and therefore easy to handle
- Plastic housing
- Braided polyurethane hose, which is more resistant than a PVC hose and does not tangle
- Very high oil resistance

Characteristics

- Length: 340 mm
- Width: 120 mm
- Height: 280 mm
- Weight: 5 kg
- Working pressure: max. 6 bars
- Diameter of compressed-air connecting hose: 3/8" with 1/4" connection
- Permissible ambient temperatures: -40°C to +80°C
- Hose diameter: 8 x 12 mm
- 8 m wound on + 2 m external

Comment

*Can be mounted
anywhere; occupies no
floor space.*

Reference

RE8X10V

Agreement

93.206

Guarantee

1 year parts and labour

Price

Price list page 4



TEPSON Exhaust gas extractor

System for evacuating exhaust gas at the work place.

Description

Kit for equipping 4 work places includes:

- 6 m aluminium rail
- Sliding carriage with ball-bearing wheels and fixing support
- 5 metres of flexible tube with stainless steel flap funnel
- Suspension bracelet
- Turbo exhauster
- Wall or ceiling fixing

Characteristics

- Rail length: 6 m
- rail width: 0.24 m
- rail depth: 0,24 m
- Weight: 22 kg/m
- Turbo exhauster capacity: 900 m³/h
- Power: 0.75 kW
- Power supply: 380 V Tri
- Outlet diameter: 0.20 m

Comment

Suspended position allowing efficient off ground storage and indispensable for extracting exhaust gas from vehicles in a closed workshop. April 1964 law.

Options

- Mechanical roller: ref. AR 75-7
- Electric roller: ref. E75-7.5
- Tube: ref. T575 ref. T5100
- Ventilator: ref. AL150C to AL 750 C
- Funnel: ref. B075/100

Reference

R61CV

Agreement

93.121

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

FACOM Bench grinder

Stationary equipment for all grinding and brushing work.

Description

Grinder to be fastened to workbench or support, containing:

- 50-cycle asynchronous motor
- Fine grinding wheel: ref. E.420 A4
- Brush: ref. E.420 A2
- Protective guards for wheels and brushes
- Transparent, adjustable protective eyeshields for operator
- Electrical supply harness

Other version:

- 2-wheel grinder: ref. E.417 MM

Characteristics

- Weight: 11.18 kg
- Mains voltage: 220/380 V
- Power rating: 430 W
- Speed: 2,850 rpm
- Wheel diameter: 150 mm
- Brush diameter: 120 mm

Comment

Sturdy, reliable equipment.

Reference

E.417MB380

Agreement

93.188

Guarantee

1 year parts and labour

Price

Price list page 4





1.4 LIFTING AND HANDLING

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FACOM Axle stands

Adjustable axle stands for private and commercial vehicles.

Description

- 2 adjustable axle stands, adjusted by means of 375 to 645 mm shafts
- Captive adjusting shaft
- Tripod design with base plates to prevent sinking in

Other version:

- 2 adjustable, low axle stands, 260 to 460 mm: ref. CHL.R1

Characteristics

- Height: 375 mm
- Weight: 8 kg
- Capacity: 1.6 T

Comment

Equipment compulsory for all work under vehicle.

Reference

CHL.R2

Agreement

93.187

Guarantee

Life-time

Price

Price list page 4



FOG Trolley jack

Equipment allowing any automotive lifting from one point.

Description

Device consisting of:

- Singleblock welded frame
- The lowering is controlled by hand-turning progressively the lever, springs back to original position automatically
- Pump equipped with pressure and stroke limiters
- Plastic wheel
- Meets the NF R 63102 standard

Characteristics

- Overall frame length: 905 mm
- Overall width: 365 mm
- Overall height: 166 mm
- Plate height: 105 to 490 mm
- Command lever length: 900 mm
- Weight: 33 kg
- Force: 2 T

Comment

Strongly built equipment, reliable and essential within the workshop.

Reference

100 9302

Agreement

92.028

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

CMD Trolley jack with low pick-up

Device permitting lifting of a vehicle with a ground clearance of 45 mm.

Description

This trolley jack, by handling the control level, enables vehicles with only 45 mm ground clearance to be lifted. It consists of:

- One body with two flanges
- One hydraulic jack
- 4 small wheels
- One swivelling head and a control lever
- In order to reach a very low minimum height, each front wheel consists of a 30 mm diameter axle with nylon rollers

Characteristics

- Length: 880 mm
- Width: 340 mm
- Elevating height: 40 to 415 mm
- Overall dimensions:
height: 1000 mm, length:
1250 mm, width: 340 mm
- Weight: 35 kg
- Force: 2 T

Comment

Equipment suitable for ordinary lifting but due to its low grip capability, it is essential for damaged cars as well as for vehicles with collapsed hydraulic suspension.

Reference

MR 91/2

Agreement

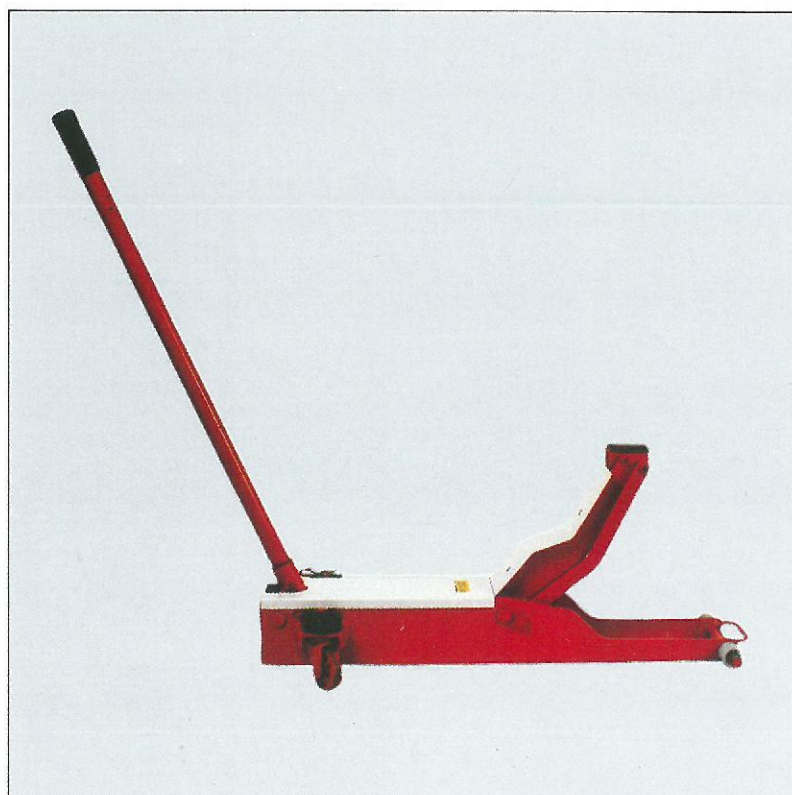
F 91 002

Guarantee

1 year parts and labour

Price

Price list page 4



ZIPPO 2-column hoist

Lifting fixture for raising vehicles of up to 2.7 t to the desired height by gripping under the body.

Description

The ZIPPO 1250 system comprises:

- 2 columns, each equipped with a motor
- 1 Transverse cross beam
- 2 long telescopic arms
- 2 short telescopic arms
- 1 automatic safety fixture
- Movement transmitted by a belt
- Lubrication of worm before elevating truck passes through
- Elevating truck not affected by poor load distribution (constructed on concave and convex ball bearings)
- Safety "open doors"
- Preset safety cable

Other versions:

- Lifting platform with 2 columns and special body (no basic structure):
 - Type 1226 2,5 T: Part number 9 684 162 030
 - Type 1236 3,2 T: Part number 9 684 162 031
 - Type 1590 5 T: Part number 9 681 162 590

Characteristics

- Length: 3000 mm
- Width: 1250 mm
- Height: 2890 mm
- Weight: 720 kg
- Power connection: 380 V 50 Hz, 3-phase current
- Lifting duration: 40 seconds
- Nominal width between columns: 2470 mm
- Nominal width between elevating trucks: 2240 mm
- Elevating trucks stroke: 1800 mm
- Skid diameter: 120 mm
- Length of long arm, min.: 985 mm
- Length of long arm, max.: 1600 mm
- Length of short arm, min.: 455 mm
- Length of short arm, max.: 835 mm

Comment

Open door for safety. The sales price includes: delivery, assembly, inspection with overload and commissioning. Only in France.

Option

- Maintenance contract description

Reference

9 684 162 020

Agreement

93.147

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

FOG 2-column hoist

Under-body car lifting equipment at 2,5 tons maximum load.

Description

Lift consisting of:

- 2 folded and welded sheet steel columns, frame mounted
- Each column comprises 2 "U" shaped special sections linked together by welded sheet-metal
- Columns linking frame equipped with 2 access ramps
- Telescopic arms with 2 or 3 parts equipped with rubber adjustable pads, fixed to the carriage
- The carriages are moved by means of a non-reversing screw/nut set with automatic motor-driven lubrication
- An electro-mechanical safety control, permanently monitors the synchronism of the 2 carriages
- On/off switch box and emergency stop, incorporated in the cabinet, locking by 3 padlocks
- Motor protection by thermal relay
- Rotating arm locking device. Foot-guard device
- The commands meet the "dead man" principle
- "Load fall" safety by mean of a chain
- Meets the NF R 63101 standard and carries the "UTAC" label

Other versions:

- 2,5 T 2 motor model: ref. 449 9112. 3,5
- T model with symmetrical arms: ref. 449 9012

Characteristics

- Overall width: 3190 mm
- Overall height: 2525 mm
- Depth: 1400 mm
- Pads height: 128 to 1828 mm
- Clearance between columns: 2450 mm
- Clearance between carriages: 2130 mm
- Length of the short arms: 500 to 940 mm
- Length of the long arms: 920 to 1400 mm
- Pad screw stroke: 90 mm
- Frame height: 54 mm
- Weight: 580 kg

Comment

Total accessibility to all the car components in one single lifting.

- Electrical voltage: 3 x 380 v
- Power: 3 kW
- Rise/descent timing: 55 s
- Load capacity: 2,5 T

Options

- Adaptation kit for sub-frame embedding in floor: ref. 449 8435
- Low ceiling safety device: ref. 490 8190
- Safety device (chains): ref. 449 8620

Reference

000 4203

Agreement

92.021

Guarantee

1 year parts and labour

Price

Price list page 4



FOG 4-column hoist

Under wheel car lifting at 4 tons maximum load.

Description

Welded and folded sheet metal equipment consisting of:

- 2 access ramps
- 2 tracks with recess
- 2 crossbeams
- 4 columns bolt in the ground
- 1 electric motor
- 2 jacks driven by an electro-pump
- Rest latches on toothed rack for each column
- An anti-fall device in each column
- A ground clearance safety
- Hydraulic safety valve
- "Dead man" control lowering valve
- Sealed pressure limiter
- A thermal relay for motor protection
- A 48 V low voltage circuit control
- An emergency push button stop
- Slack cable electric detection
- Lifting control by "dead man" push button
- Latch unlocking command by push button
- Stroke end switches and detectors with pull-off contacts
- Meets NF 63101 standard and carries the "UTAC" garage label

Other version:

- 2,5 Tons: ref. 490 9301

Characteristics

- Length: 6368 mm
- Width: 3255 mm
- Height: 2128 mm
- Clearance between columns: 2696 mm
- Track length: 5280 mm
- Track width: 530 mm
- Gap between tracks: 700 to 1170 mm
- Recess dimensions: 520 x 55 mm
- Weight: 1040 kg
- Electrical voltage: 3 x 380 V
- Power: 1,85 kW
- Rising time: 40 s
- Descending time: 23 s
- Load capacity: 4 T

Comment

Simple and strongly built equipment.

Options

- 2,6 T auxiliary lift: ref. 427 9203
- 4 tube lighting device: ref. 495 8025
- Automatic lighting switch-off: ref. 490 8024
- Set of 1 m long ramps for the 2nd access: ref. 497 8032
- Low ceiling safety device: ref. 490 8190

Reference

000 4204

Agreement

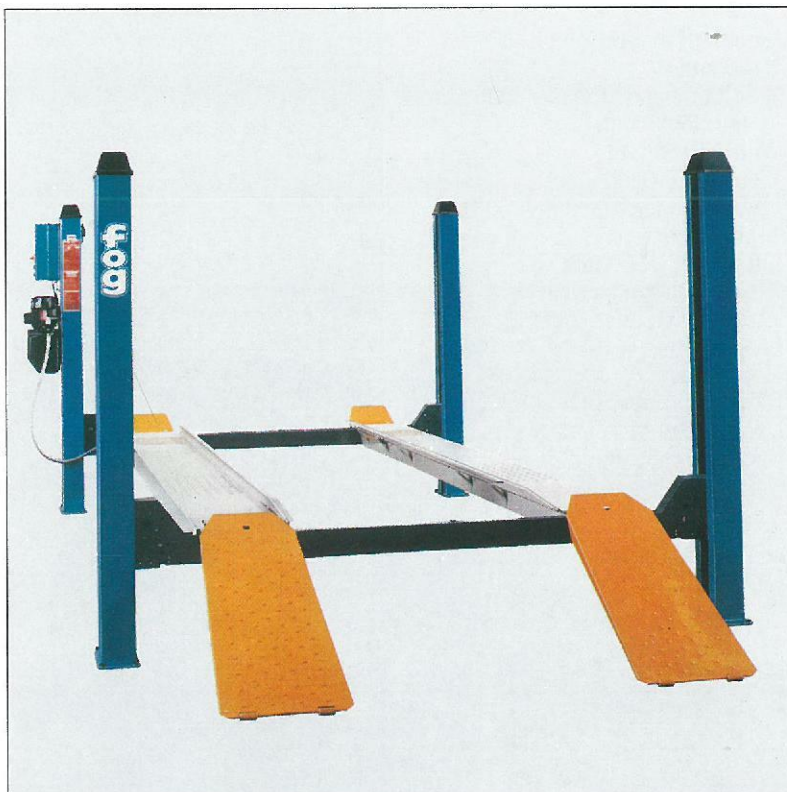
92.023

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

ZIPPO Scissor hoist

Lifting fixture without columns for lifting vehicles of up to max. 3,5 T to height.

Description

- Scissor-type elevating platform, 8090 F with auxiliary elevating system
- Installed version
- Electrohydraulic control cabinet
- Integrated auxiliary elevating system
- Pneumatic adjusting plates
- Spot lamp for underbody inspections
- Installation points for installing swivel plates at front
- Extra long
- Reinforcing rods
- Elevating platform designed for Tuv work
- Meets the specifications of the standard AFNOR 63.101

Other versions:

- Standard platform installed: ref. 9 681 162 090
- Standard platform on the ground: ref. 9 684 162 095
- Axle measuring platform, installed: ref. 9 684 192 097

Characteristics

- Length of inspection pit: 5150 mm
- Width of inspection pit: 2220 mm
- Length: 5000 mm
- Width: 2160 mm
- Weight: 1740 kg
- Power connection: 380 V 50 Hz, 3-phase current
- Lift height: 1800 mm
- Height of lift of auxiliary elevating system: 400 mm
- Load-bearing capacity: 3500 kg
- Motor power: 3 kW
- Elevating duration: 20 seconds
- Lowering duration: 20 seconds
- Elevating duration of the auxiliary system: 10 seconds

Comment

Alternatively: The sales price includes: delivery, assembly, inspection with overload and commissioning. Only in France.

Options

- Set for lifting axles to the same height: ref. 9 685 162 207
- Lighting: ref. 9 685 162 990
- Maintenance contract

Reference

9 684 162 095

Agreement

93.148

Guarantee

1 year parts and labour

Price

Price list page 4



FOG Scissor hoist

**Both under wheels and under body car lifting equipment
at 3,5 tons maximum load.**

Description

Horizon 2 lift to be embedded in the ground consisting of:

- 2 independent frame sets equipped with 4 synchronised hydraulic jacks
- "Lambda" design used for the track lifting allows a vertical lifting and free space under the runways
- Each runway has its recess for wheel alignment control device fitting
- Hydraulic auxiliary lifting for free access to wheels, consisting of a platform with possible extension for a better grip
- The mechanical security is ensured on each jack by a bolt/toothed-rack set, released by a pneumatic microjack whenever an up or down operation is completed
- The operators' feet are protected by detection rods fixed on the outside of each runway
- Hydraulic safety system in case of over-loading or cables breaking
- A separate console includes all the electrical control components as well as those of the hydraulic group
- Meets the NF R 63101 standard
- 1 access lift bolted to the floor: ref. 419 9201
- 2 access lift bolted to the floor: ref. 419 9202

Comment

High precision in any position of the tooth rack, easy access, low overall dimensions.

Characteristics

- Overall length: 5333 mm
- Overall width: 2205 mm
- Runway height from pit bottom: 345 to 1901 mm
- Runway height from pit edge: 0 to 1556 mm
- Runway length: 4476 mm
- Runway width: 600 mm
- Auxiliary lifting travel height: 400 mm
- Runway recess dimensions: 890 x 550 mm
- Weight: 2900 kg
- Electrical voltage: 3 x 380 V
- Power: 4 kW
- Lift rising time: 30 s
- Auxiliary descending time: 7 s
- Air pressure input: 4/6 bars
- Load capacity: 3,5 T

Reference

000 4205

Agreement

93.221

Guarantee

1 year parts and labour

Price

Price list page 4

Options

- 4 tube lighting device: ref. 418 8110
- Low coiling safety device: ref. 490 8190



SERVICE
INFO

MULLER BEM Scissor hoist

Lift, without columns, that can raise vehicles of up to a maximum of 3,5 tonnes in weight.

Description

- Electro hydraulic lift controlled from a separate console
- Recesses for swing plates
- Electrical, mechanical and hydraulic safety systems
- Built in air point
- Vertical lift
- Synchronisation of wheel track movements: Manual emergency hand pump

Other versions:

- With axle play checking plates: ref. 678-4B
- With built in side movements pads: ref. 678-4A
- With play checking plates and side movement pads: ref. 678-4C
- All these models fulfil the requirements of standard NF-R-63-101 and current French regulations
- They are covered by:
 - an ATS certificate issued by the APAVE
 - TUV, GS approval

Characteristics

- Length with play checking plates, single end access: 5490 mm
- Length with play checking plates, double end access: 6765 mm
- Length without play checking plates, single end access: 4900 mm
- Length without play checking plates, double end access: 6175 mm
- Width: 1950 mm
- Height above ground: 270 mm
- Maximum raised height: 1800 mm
- Auxiliary lift travel: 350 mm
- Diagonal tolerance: +/- 2 mm variation at ends
- Length of non slip surfaced wheel tracks:
 - without play checking plates: 4000 mm
 - with play checking plates: 4590 mm
- Supply pressure: 8 bars
- Hydraulic pressure: 180 bars

Comment

Easy access, compact dimensions. The retail price includes delivery, installation, overload testing and commissioning, in France only.

- Power supply: three phase 220/380 V-4 kW
- Lifting capacity: 3,5 T
- Auxiliary lift capacity 2,5 T
- Average raising/lowering time: 20 s

Options

- Additional lighting: ref. 678-31
- One pair of long ramps: ref. 678-25

Reference

678-4

Agreement

93.060

Guarantee

1 year parts and labour

Price

Price list page 4

- Double ended access or recessed versions
- Maintenance contract



MAHA Scissor hoist

Precision lift.

Lifting capacity up to max. of 3.5 t.

Description

- Lifting platform model DUO+1/LT/PMS3X/PP with wheel suspension lifting jack.
- Non-skid, granulated coated driving surfaces
- Connection possibility for electronic rotary plates
- Hydraulic axle play detector
- Teflon-coated ball bearing
- Total light barrier protection
- Synchronized levelling control
- Operator console with hydraulic unit
- Emergency Down unit for lowering when there is power failure or control problems
- DUO+1 is ideal for serial vehicle testing and inspection

Other version:

- DUO+1 without wheel suspension lifting jack (DUO+1/PMS3X/PP)

Characteristics

- Driving platform length: 4400 mm
- Length including ramps: 6500 mm
- Width: 2100 mm
- Height: 340 mm
- Net weight: 2660 kg
- Voltage: 220 V/380 V, Tri+T+N
- Power: 4 kW
- Air connection: 7 bars
- Lifting capacity: 3.5 T
- Lifting capacity of wheel suspension lifting jack: 2.5 T
- Lifting time: 25 s
- Lifting way of wheel suspension jack: 800 mm
- Installation space for rotary plates: 400 mm x 90 mm

Comment

Note the wheel/suspension lifting jack function

Option

- Lighting between the driving platforms

Reference

DUO+1/LT/PMS3X/PP

Agreement

93.076

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

OMER Body hoist

Scissor hoist for lifting vehicles up to max. 3,5 t.

Description

- Triangular scissor-lift to guarantee a perfect stability
- Electro-hydraulically operated
- Lifting surface with extendable arms
- Foot safety, hydraulic and mechanical (13 positions), safeties with automatic engagement
- Synchronization of the runways through a strong torsion bar, which remains regular
- Separated control unit with electro-hydraulic group and hydraulic pump for lowering the lift in case of power failure
- CONCORD lift can be "above ground" in case it is impossible to install it flush mount

Characteristics

- Length: 2760 mm
- Width: 1910 mm
- Depth of pit: 255 mm
- Max. lifting height from the ground: 1850 mm
- Max. lifting height from the pit: 2055 mm
- Weight: 1100 kg
- Power: 220 V/380 V, 3 phase
- Power: 1,5 kg
- Feeding pressure of compressed air: 10 bars
- Lifting time: 45 s
- Hydraulic pressure: 180 bars
- Capacity of oil tank: 20 l
- Lifting capacity: 3,5 T

Comment

Easy access, less space and 4 wheels free. The public price includes: delivery, installation, test with overload and put into service. Only in France.

Option

- Frame for flush mount version (CAC)

Reference

CONCORD 35 I

Agreement

93.077

Guarantee

1 year parts and labour

Price

Price list page 4



FOG Pneumatic hoist, low pick-up

Car lifting equipment at 2,5 Tons maximum.

Description

Platform lift serving as runways including:

- Double stage access ramps bolted to the ground
- Equipment driven by a pneumatic jack and guided by a parallelogram
- Mechanical safety system lockable at 3 levels (270, 370, 470 mm)
- Foot operating drive with protection rods on side edges
- Supplied with 4 rubber pads (175 x 95 x 60 mm) etc...

Characteristics

- Overall length: 3435 mm
- Overall width: 2180 mm
- Platform height: 150 to 495 mm
- Maximum height with pads: 540 mm
- Weight: 380 kg
- Air pressure inlet: 5 to 8 bars
- Load capacity: 2,5 T

Comment

Quick lifting for front and rear axle and wheel operations.

Option

- 4 telescopic arms for long vehicles

Reference

426 9700

Agreement

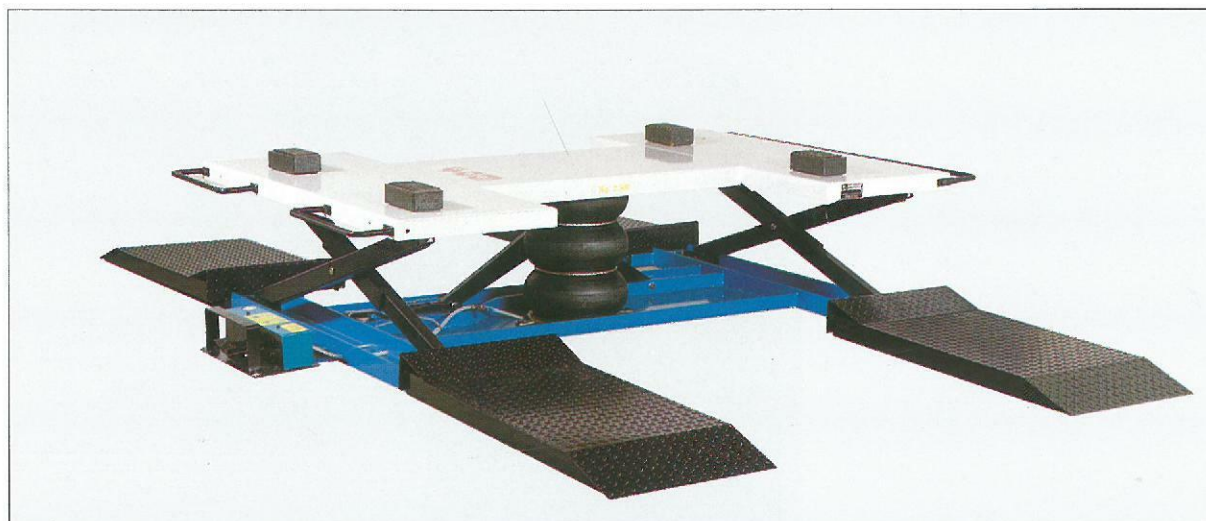
93.216

Guarantee

1 year parts and labour

Price

Price list page 4



SERVICE
INFO

HERCULES-LIFT Lifting table

Pneumatically operated lift for the body and paint shops.

Description

Portable lift equipped with:

- Handle and wheels
- Pneumatic handvalve
- Vertical lift with approved airbag
- Safety valve to prevent overpressure
- Automatic safety device
- 5 years guarantee on airbag

Characteristics

- Length: 1875 mm
- Width: 966 mm
- Construction height: 95 mm
- Total height: 800 mm
- Weight: 300 kg
- Air pressure: 8 bars
- Capacity: 2 T

Comment

*Equipment manufacturer
for body and paint shop*

Reference

K900-12

Agreement

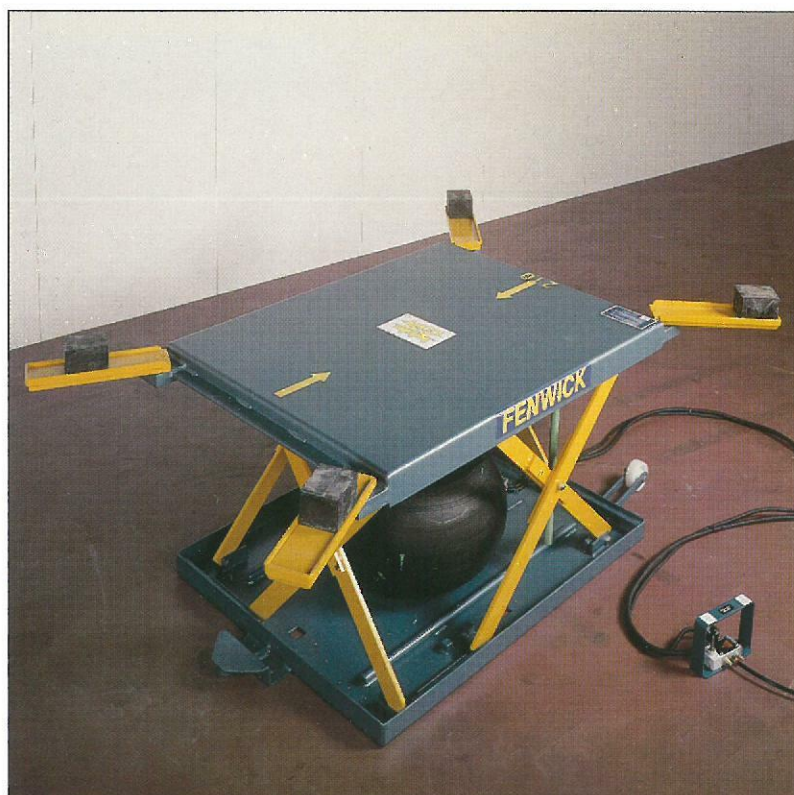
91.011

Guarantee

1 year parts and labour

Price

Price list page 4



DEWET Workshop crane

Hydraulic crane lifting up to 2000 kg.

Description

Workshop crane consisting of:

- 1 support frame with polyamid front swivelling wheels with beam
- 1 mast carrying the beam
- 1 articulated beam with swivelling hook
- 1 lifting hydraulic ram
- 1 double effect pump with manual lever control
- 1 relief valve with progressive emptying
- 1 extension beam with 5 possible positions

Other versions:

- 500 kg crane: ref. Giraffe standard 500 kg
- 1000 kg crane: ref. Giraffe standard 1000 kg

Characteristics

- Overall height: 1990 mm
- Overall length: 2270 mm
- Sidemember height: 225 mm
- Overall width: 1320 mm
- Sidemember clearance: 680 mm
- Wheel diameter: 200 mm
- Weight with extension: 392 kg
- Lifting height without extension: - 2,64 m for 2000 kg
- Lifting height with extension:
 - 1 notch: 2950 mm for 800 kg load
 - 2 notches: 3080 mm for 500 kg load
 - 3 notches: 3200 mm for 400 kg load
 - 4 notches: 3330 mm for 300 kg load

Comment

Essential equipment for any lifting operation within the workshop and the body-shop.

Options

- Beam extension
- Articulated special arm
- Folding beam

Reference

Giraffe standard 2000 kg

Agreement

93.074

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

OTC EUROPE-VL CHURCHILL

Block and tackle

Load handling mechanism used in conjunction with lifting equipment, maximum load 1 tonne.

Description

- Used with a crane or hoist, the sling facilitates the handling of engines, gearboxes and other heavy or bulky components, as well as the emptying of drums
- Supplied with a very strong chain fitted with a swivel safety hook at each end
- Self-locking mechanism with worm and gear assembly allowing the load to be tilted to the desired position

Other version:

- Positioning sling, 2 ton capacity: ref. 1806

Characteristics

- Length: 140 mm
- Width: 102 mm
- Height: 194 mm
- Weight: 4 kg
- Capacity: 1 T
- Chain length: 132 cm
- Gear Ratio: 34: 1

Comment

Makes the positioning of engines, transmissions, etc, a simple one-man operation.

Reference

1805

Agreement

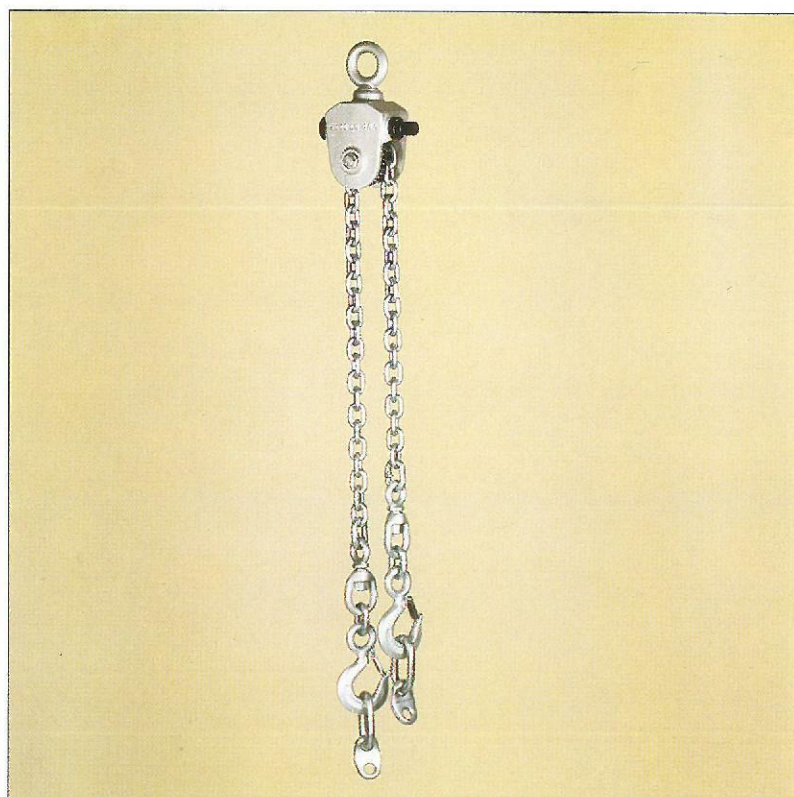
93.209

Guarantee

1 year parts and labour

Price

Price list page 5



DESVIL Mobile vehicle trolley

Designed to handle car bodies and vehicles that are immobilised.

Description

- Mobile trolley with adjustable sliding bars
- Rubber plates with grooves for an efficient holding of car bodies
- 3 position system with locking by ram .4 pivoting wheels, of which one with brake
- Towing ring

Characteristics

- Length (folded): 1400 mm
- Length (unfolded): 1950 mm
- Width: 600 mm
- Weight: 50 kg
- Maximum distance between axles: 1650 mm
- Safe load: 2 T

Comment

Device to facilitate all handling within the workshops.

Options

- Set of 4 flanges to hold the vehicle on trailer: ref. BCM 3165
- Set of 2 clamps to hold the sill flanges: ref. PCM 150

Reference

CM3000

Agreement

93.130

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

DESVIL Mobile power unit trolley

Handling equipment to shift or stock power unit or others.

Description

Mobile trolley delivered with:

- Cradle to hold 2 sliding crossmembers, adjustable in all directions and 4 pivoting wheels - one with brake
- Fixing rods with bonded and screwed polyurethane plates
- Lock nuts

This cradle enables the dismantling or placing of the whole power-unit with the front axle elements.

Characteristics

- Length: 1270 mm
- Width: 670 mm
- Maximum height: 660 mm
- Minimum height: 430 mm
- Maximum distance between axles: 930 mm
- Minimum distance between axles: 60 mm
- Safe load: 400 kg

Comment

Facilitates any handling within the workshops and enables different operations to be carried out on dismantled units.

Référence

CMD1200

Agrément

93.127

Garantie

1 year parts and labour

Prix

List price page 5



DESVIL Height adjustable component stand

Device to remove or refit major units on the vehicle.

Description

- Hydraulic, simple extension ram on mobile trolley
- 4 pivoting castors, can be moved by means of a trolley. Foot controlled hydraulic pump
- Head with 3 pivoting ball joints
- 4 adjustable pins to dismantle or replace units from underneath, gearbox, front and rear axles, tank, engine etc...
- Automatic locking of decompression system, according to NF R. 63.103

Characteristics

- Dimensions to the ground: 700 x 700 mm
- Maximum height: 1750 mm
- Minimum height: 1100 mm
- Weight: 55 kg
- Top tilt: rear/front 45°
- Top tilt: right/left 45°
- Capacity: 200 kg
- Ram diameter: 30 mm
- Volume of the hydraulic tank: 2,8 l

Comment

Support of major units, facilitating the technician's work under the vehicle.

Options

- Extension sleeve:
 - 150 mm: ref. M 740
 - 300 mm: ref. M 750

Reference

V 703 ST

Agreement

93.131

Guarantee

1 year parts and labour

Price

Price list page 5





1.5 SAFETY / PROTECTION

SAFETY

<i>Exhaust gas filter</i>	80
<i>Petrol and Diesel fuel tank draining pump</i>	81
<i>Unleaded petrol fuel tank draining pump</i>	82

PROTECTION

<i>Personal protection kit</i>	83-84
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EHC Exhaust gas filter

Equipment for filtering exhaust emissions from commercial and private vehicles.

Description

Unit includes:

- 1 funnel adaptable for exhaust silencer outlet of diameters from 35 to 70 mm
- 1 disposable filter with saturation indicator
- This filter can be used for 50 carburettor engine startings and 35 to 40 diesel engine startings

Characteristics

- Weight: 0,4 kg
- Filtering of particles: 99 % (over 0.10 microns)
- RCHO: 90 %
- HC: 35 %
- CO: 30 %
- NOx: 60 ù
- Lead: 95 %

Comment

Unit to be used for moving vehicles within a show room or a workshop.

Options

- Exhaust funnel, diameter 40/25: ref. 4060195
- 1 carton of 4 filters P10: ref. 4060115

Reference

4060200/115

Agreement

93.120

Guarantee

Price

Price list page 5



OUTELEC Petrol and Diesel fuel tank draining pump

Unit permitting the emptying and refilling of petrol and diesel tanks by suction.

Description

Upper part

It consists of:

- A vane pump with by-pass and integrated filter
- An ADF electric motor
- An ADF "force" control box
- A volumetric control
- An exhaust hose
- An ADF control box with "ON" impulse push-button
- A green light led indicating liquid suction in operation
- A red light led indicating liquid suction completed operation

Lower part:

- 2 vats, diesel and petrol, with quick fit suction hose, vent-hole for atmospheric pressure and level control tube
- 1 central compartment
- 1 stand for transport palette.

Characteristics

- Length: 1200 mm
- Height: 1200 mm
- Depth: 500 mm
- Weight 200 kg
- Electrical voltage: 3 x 220/380 V
- ADF electrical motor: 0,25 hp
- Speed: 750 mm
- Pump output in exhaust operation: 12 l/mn
- Pump input in suction operation: 3 l/mn
- 2 120 l capacity tanks
- Measurement level: 0 to 75 l

Comment

Meets safety rules for motor fuel emptying or decanting. Device equipped with a volumetric meter.

Reference

VAC 300

Agreement

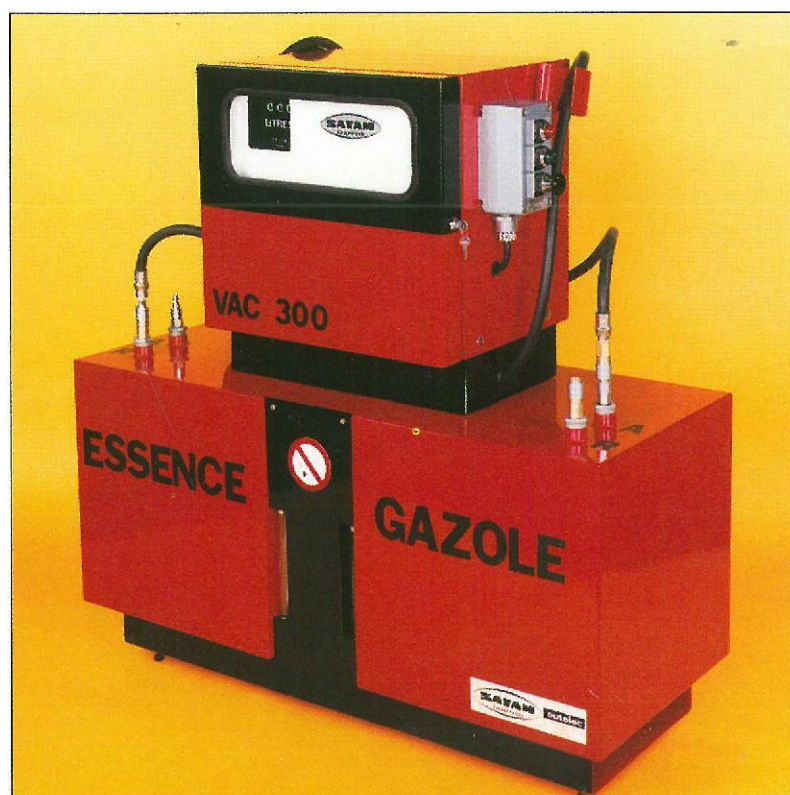
87.113

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

OUTELEC Unleaded petrol fuel tank draining pump

Unit permitting tank emptying and refilling by suction.

Description

Upper part

It consists of:

- A vane pump with by-pass and integrated filter
- An ADF electric motor
- An ADF "force" control box
- A volumetric control. An exhaust hose. An ADF control box with "ON" impulse push-button
- A green light led indicating liquid suction in operation
- A red light led indicating liquid suction completed operation

Lower part:

- 2 vats, diesel and petrol, with quick fit suction hose, vent-hole for atmospheric pressure and level control tube
- 1 central compartment
- 1 stand for transport palette

Characteristics

- Length: 720 mm
- Height: 1300 mm
- Width: 500 mm
- Weight: 150 kg
- Electrical voltage: 3 x 220/380 V 50 Hz
- 3 wire cable with earth (II 07 RN F)
- Wire section: 2,5 mm²
- Motor power: 184 W
- Pump output in exhaust operation: 12 l/mn
- Pump input in suction operation 3 l/mn
- 80 l capacity tank

Comment

Meets safety rules for liquid emptying or decanting.

Reference

VAC 150

Agreement

89.178

Guarantee

1 year parts and labour

Price

Price list page 5



FACOM Personal protection kit

Insulating gloves for work on electrical equipment in vehicles or other.

Description

- Protective goggles. Weight 38 g; ref. BC.4
- A pair of polycarbonate protective goggles with four vents, essential when grinding or chiselling. May be worn over spectacles. Conform to NF E 77.101. Weight 82 g; ref. BC.5
- A pair of leather gloves with extended cuffs. Essential when handling sheet metal or when working near sharp edges etc...Weight 155 g; ref. BC.10
- A set of 20 breathing masks. Conform to NF S 76 101 and NF S. 76.201. Essential when working with fine dust. Weight 226 g; ref. BC.1J20
- Pair of insulating gloves, natural latex. Tested to 5,000 V. Essential when working near electrical installations. Compliance with standard NFC 18415. Weight: 0.2 kg. Size: 9. Thickness: 7/10 mm: ref. BC.90VSE

Comment

Pair of gloves essential for all jobs on live equipment.

Reference

CIT.PROTECT

Agreement

93.186

Guarantee

Price

Price list page 5



SERVICE
INFO

SAF Personal protection kit

Protective equipment for cutting, welding, grinding, chipping etc...

Description

Selection comprising:

- A leather protective apron, fastening by buckle and leather strap, length 110 cm covering the legs: ref. 0820 0001
- A pair of protective gloves, leather palm and top of index finger, American styling, webbed thumb, undressed leather back and 150 mm cuff, polyamide thread stitching: ref. 0007 0009
- Foot protection (gaiters), made of undressed leather, height 35 cm, wide foot protection, fastening by strap providing good resistance to incandescent metal spatter: ref. 0820 0017
- Oxy-fuel cutting goggles, flexible one-piece PVC frame, perforated shells, elastic headband, eyepieces diameter 50 mm N° 5 green, unpolished: ref. 0811 0001
- Oxy-flame goggles with light metal frame, flexible legs with safety cord, 50 mm diameter PROTANE quality lenses, T5 green polished, interchangeable: ref. 0881 0605
- Grinding goggles with one-piece flexible PVC frame, perforated shells, elastic headband, colourless polycarbonate 50 mm diameter eyepiece fitted by screwed ring: ref. 0811 0108
- Super Aiglon glass fibre reinforced, window 110 x 90 mm, NFA 88 222 DIN 58214/212: ref. 0082 0041
- Euromask N glass fibre reinforced polyester mask, adjustable headband, swivelling flap, double window 105 x 50 and 105 x 32 mm, orange polycarbonate shade and white lens, for ARC and TIG: ref. 0082 0002
- Active electronic noise protector, noises above 85 dB are clipped, 9 V rechargeable battery, autonomy 50 H, supplied with charger, sounds and voice transmitted with clarity: ref. 0080 0007

Comment

Essential products which guarantee complete protection for the operator.

Reference

Protect CIT

Agreement

93.232

Guarantee

Price

Price list page 5





1.6 CLEANERS

VACUUM CLEANERS

<i>Industrial vacuum cleaner</i>	86-87
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CLEANING

<i>High pressure cleaner</i>	88-90
<i>Upholstery cleaner</i>	91-92
<i>Component cleaning bath</i>	93-94
<i>Floor sweeper</i>	95
<i>Floor cleaning machine</i>	96

WASHING

<i>Stationary high pressure cleaner</i>	97
<i>Car Wash</i>	98-99

SOTECO/MAXXI Industrial vacuum cleaner

Equipment that allows liquids and dust to be cleaned away.

Description

Model EP 2400/50 equipped with:

- Steel tank Uginox assembly on trolley with 4 wheels
- Dust filter
- Supplied with accessories 40 mm diameter: ref. 950493
- 2 By-pass motors with separate switches that can be used separately or together

Characteristics

- Width: 0,50 m
- Height: 0,86 m
- Depth: 0,50 m
- Weight: 25 kg
- Water column: 2200 mm/ce
- Air flow: 430 m³/h
- Voltage: 220 V-240 V 1~
- Power absorption: 2400 W (2 motors 1200 W)
- Tank: 50 l

Comment

Suitable for bodyshops and workshops.

Options

- Trolley: ref. 950092
- Fix frontal tool: ref. 950010
- Nylon filter: ref. 950127
- Separator tank for dust collection: ref. 950149

Reference

663653

Agreement

93.062

Guarantee

6 months parts and labour

Price

Price list page 5



KEW Industrial vacuum cleaner

Equipment that allows liquids and dust to be cleaned away.

Description

The mobile WD 70-21 vacuum cleaner has:

- 2 built-in motors in the polypropylene tank
- 2 big wheels and 2 rotating castors
- A steering handle
- A propylene hose
- A stainless angled tube
- A rubber housing
- A crevice tool

Characteristics

- Length: 550 mm
- Width: 450 mm
- Height: 895 mm
- Weight: 21,6 kg
- Depression: 2200 mm
- Air pressure: 342 m3
- Motor power: 2 x 1080 W
- Electric power: 220 V, 50 Hz
- Tank capacity: 70 l
- Hose diameter: 50 mm
- Hose length: 2500 mm
- Electrical cable length: 8500 mm

Comment

Reliable equipment, strong, very quiet and invaluable for both mechanical and body workshops

Options

- Vacuum tank 301: ref. wd 30-12
- Vacuum tank 301: ref. wdc 30-11
- Vacuum tank 401: ref. wd 40-11

Reference

WD 70-21

Agreement

93.198

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

FRANK High pressure cleaner

Mobile electrical device for hot and cold water cleaning.

Description

- Hot water high pressure cleaner with electrical heating model HE 618 MS 30 kW
- Supplied with:
 - 1 hose 10 m
 - 1 spray-lance
 - 1 mechanical security grip (dead man's handle)
 - 1 high pressure nozzle
 - 4 m electric cable
- Chassis, box and hood enamelled, high corrosion resistance
- Mounted on 2 wheels diameter 250 + 1 castor wheel and wagon lock
- Corresponds with currently valid regulations
- Chemical suction over dosage control valve
- Pump with 3 ceramic plungers, high corrosion resistance

Other versions:

- 18 kW load: ref. HE 618 MS 18 kW
- With fuel: ref. HW 806

Characteristics

- Length: 910 mm
- Width: 580 mm
- Height: 820 mm
- Weight: 132 kg packing included, net weight 98 kg
- Electric connection: 380 V
- Pressure:
 - High pressure 120 bars
 - Regular Pressure 50 bars
- Water flow:
 - High pressure 600 l
 - Regular Pressure 420 l
- T°:
 - High Pressure 60°C
 - Regular Pressure 60° to 70°C
- Heating time: 6 minutes
- Electric heating: 30 kW
- Connection output: 32,8 kW

Comment

Material is suitable for cleaning mechanical components, bodywork and for vehicle degreasing.

Options

- Wet sand-blast: ref. 628776
- Hose:
 - 20 m: ref. 664266
 - 40 m: ref. 664267
 - 60 m: ref. 664268
- Extension:
 - 10 m: ref. 267526
 - 20 m: ref. 267682

Reference
662680
Agreement
93.061
Guarantee
6 months parts and labour
Price
Price list page 5

- Spray lances:
 - 0,5 m: ref. 402883
 - 1,5 m: ref. 403204
 - 2 m: ref. 403360
- Rotating spray nozzle: ref. 663764



FOG High pressure cleaner

Mobile electrical device for hot and cold water cleaning.

Description

"MAGNUM PROFIL" cleaner consisting of:

- A rotomoulded polycarbonate frame with built-in fuel tank upon which is installed:
 - a constant level water tank equipped with a defurring device
 - a 3 piston electro-pump
 - a 60000 kg/cal fuel copper
 - a 4 wheel stretcher
- Possible dosage adjustment of the detergent, the output level, the pressure and the water temperature
- Safety systems guard against shortage of water and fuel

Other version:

- 3 x 220 V cleaner: ref. 560 9301

Characteristics

- Length: 1,4 m
- Width: 0,72 m
- Height: 0,79 m
- Weight: 160 kg
- Maximum water output: 900 l/h
- Water pressure adjustment: 30 to 200 bars
- Temperature adjustment: 150°C
- Water input: 15 l/mn at 2 bars.
- Maximum static pressure: 6 bars
- Electrical voltage: 3 x 380 V
- Power: 4,4 kW
- Fuel tank capacity: 40 l
- Maximum consumption: 5,8 l/h
- 20 l detergent removable tank
- 10 m long hose lance
- 1,1 m long lance
- Nozzle angle: 25°
- 10 m electric cable

Comment

Multi-purpose equipment suitable for cleaning mechanical parts, body-building and body coating removal.

Options

- Extra 10 m long hose: ref. 560 7115
- Hose connector: ref. 564 0101

Reference

560 9300

Agreement

92.029

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

KEW High pressure cleaner

Mobile pressure cleaner for hot and cold water cleaning.

Description

Model 3040 H cleaner delivered complete with:

- 2 big wheels and 2 rotating castors with brakes
- A boiler unit
- A high pressure pump
- A pressure gauge
- An automatic start/stop system
- An anti-scale kit
- A detergent injector
- A spray lance with spray handle and hose

Characteristics

- Length: 925 mm
- Width: 660 mm
- Height: 950 mm
- Weight: 95 kg
- Electric: 380 V three phase
- Pump pressure: 155 bars
- Water volume: 850 l/h
- Temperature: 0 to 150°C
- Power: 7.5 kW
- Fuel consumption: 5.2 l/h
- Hose length: 10 m
- Spray lance: 1 m

Comment

Electric hot water pressure cleaner suitable for cleaning mechanical and body components and for dewaxing protected vehicles.

Options

- 100 bars high pressure cleaner: ref. 1640 H
- 110 bars high pressure cleaner: ref. 1840 H

Reference

6296108

Agreement

93.200

Guarantee

1 year parts and labour

Price

Price list page 5



SOTECO/MAXXI Upholstery cleaner

Machine for cleaning carpets and upholstery.

Description

Model IE 2400 G equipped as follows:

- Vacuum cleaner with Injection-extraction system with big tank capacity and high filtration
- Assembly on mobile trolley, with 2 big wheels 200mm diameter and 2 front wheels
- Stainless steel tank AISI 304 with high resistance to corrosion
- Complete with accessories 40mm diameter: ref. 950510
- Antifoam system, that does not allow foam to enter the motors
- 2 By-pass motors with separate switches that can be used separately or together

Comment

Suitable for bodyshops, workshops and for valeting used cars.

Options

- Carpet tool: ref. 950405
- Nylon filter: ref. 950127

Reference

664303

Agreement

93.063

Guarantee

6 month parts and labour

Price

Price list page 5

Characteristics

- Width: 0,50 m
- Height: 0,91 m
- Depth: 0,70 m
- Weight: 34 kg
- Water column: 2400 mm/ce
- Air flow: 430 m3/h
- Voltage: 220-240 V 1~
- Power absorption: 2500 W (2 motors 1200 W + 1 pump 100 W)
- Spraying pump: 100 W, 10B, 2 l/mn
- Tank 50 l



SERVICE
INFO

EUROSTEAM Upholstery cleaner

Machine for cleaning carpets and upholstery.

Description

Mobile machine supplied with:

- Hand-held aluminium suction head
- Hand-held plastic suction head for delicate materials
- Propylene filter for both dust and water
- Automatic water control
- HD polyethylene body with 4 castors
- Hose with stainless steel tubing and spray nozzle

Characteristics

- Length: 450 mm
- Width: 440 mm
- Height: 560 mm
- Weight: 14 kg
- Voltage: 220/115 V, 50 Hz
- Current: 5 a
- Vacuum motor capacity: 46 dm³/sec
- Pump capacity: 1.5 l/min
- Clean water tank capacity: 15 l
- Used water tank capacity: 16 l
- Vacuum: 2200 mm water
- Vacuum motor power: 1100 W
- Hose length: 2 m
- Electric cable length: 7 m

Comment

Cleans and dries in one operation. Machine invaluable for refurbishing second hand cars.

Reference

ES 15.2

Agreement

93.204

Guarantee

1 year parts and labour

Price

Price list page 5



FOG Component cleaning bath

Equipment allowing cold cleaning of parts.

Description

Bath with:

- A pneumatic pump located upon a 120 l drum
- A tap on the air inlet allows precise adjustment of the dosage of the product to the brush (diam. 23)
- An air blower exists for cleaning the parts
- Double decanting within the bath under the metal-sheet work surface and at the drum bottom

Characteristics

- Length: 715 mm
- Width: 600 mm
- Height: 940 mm
- Working plan height: 650 mm
- Working plan dimensions: 430 x 700 mm
- Minimum capacity: 30 l
- Maximum capacity: 80 l
- Weight: 35 kg
- Air inlet pressure: 5 to 7 bars

Comment

Safety and flexibility of use.

Options

- Adaptable carriage under the drum: ref. 577 8021

Reference

577 9013

Agreement

92.032

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

KEW Component cleaning bath

Equipment for the cleaning of small components.

Description

Mobile unit on castors with:

- A styrolit parts cleaner with tank for water and detergent mixing
- A control unit with pressure gauge, thermometer, thermostat and safety valve
- An electric heating element
- A high pressure hose with spray handle
- An adjustable and pivoting water tray

Characteristics

- Length: 480 mm
- Width: 410 mm
- Height: 160 mm
- Weight with liquid: 43 kg
- Electric power: 220 V, 50 Hz
- Pump pressure: 6 bars
- Water volume: 720 l/h
- Temperature: 35 to 95°C
- Heating element power: 2 kW
- Electric cable: 5 m
- Tank capacity: 23 l
- Adjustable water tray height: 900 to 1350 mm

Comment

Special equipment for the cleaning of brakes, clutches, carburettors.

Reference

1109810

Agreement

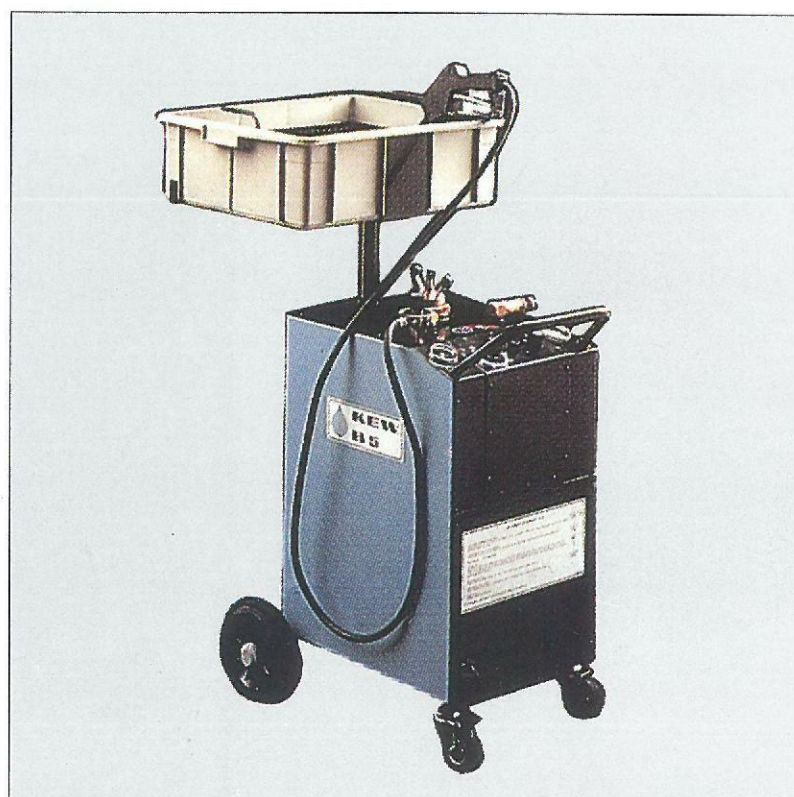
93.199

Guarantee

1 year parts and labour

Price

Price list page 5



RCM Floor sweeper

Ride-on, petrol-engined industrial sweeping machine.

Description

- Side brush
- Front guard
- Main horizontal floating brush
- High capacity dirt container
- Highly effective filtering device

Characteristics

- Sweeping width: 1 m
- Dirt container capacity: 130 l
- Power: 7 hp
- Sweeping capacity: 9500 m²

Comment

Very manoeuvrable for sweeping large size areas, vacuums dust and collects litter and debris.

Options

- Diesel powered: ref. T8500TD
- Electrically powered: ref. T8500TE

Reference

RCM T850 S

Agreement

93.203

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

RCM Floor cleaning machine

Machine designed for scrubbing and drying in one operation.

Description

Scrubber/dryer fully equipped with:

- Two nylon brushes
- One battery
- A battery charger
- Vacuum drying system
- Hour timer
- Electric brake
- Spare parts catalogue
- User's guide

Characteristics

- Length: 1520 mm
- Width: 975 mm
- Height: 1010 mm
- Scrubbing width: 660 mm
- Drying width: 970 mm
- Tank capacity: 2 x 65 l
- Brush pressure: 80 kg
- Vacuum motor: 36 V 1000 W
- Battery: 36 V 240 A
- Charger: 36 V 25 A
- Weight without battery: 250 kg
- Battery weight: 252 kg
- Charger weight: 40 kg

Comment

Equipment with industrial OLDHAM battery for superior running time.

Options

- Tynex (carbon) brush
- SCOTCH 3M cleaning pad

Reference

LB66

Agreement

93.202

Guarantee

1 year parts and labour

Price

Price list page 5



KEW Stationary high pressure cleaner

Electric equipment for the cleaning of vehicles.

Description

Fully automatic, electric, stationary high pressure cleaner, delivered with:

- A 100 bars pump
- A wall bracket
- A high pressure hose
- A KEW spray handle
- A double spray lance
- An anti-scale kit
- An hour timer
- An electric control unit
- A heating unit with adjustable electrical resistance

Characteristics

- Length: 764 mm
- Width: 565 mm
- Height: 1555 mm
- Weight: 110 kg
- Power: 30 kW
- Pump pressure: 100 bars
- Water volume: 660 l/h
- Tank: 120 l
- Temperature: 0 to 90°C

Comment

Compact, pollution-free, silent and invaluable for vehicle cleaning.

Reference

1702 K.S.A

Agreement

93.201

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO

WESUMAT Car wash

**Multi-program equipment providing vehicle
brush-washing and drying.**

Description

Model ARIANE 1 TYPE 2100
consisting of:

- Hot dip galvanised structure
- 3 brush washing gantry
- "Plate" type wheel brushes
- Electric brush pressure system
- Direct motor/mechanism transmission
- Galvanised wheel guides and stops
- Supply pole and conduit
- RAL 9010 machine and blue brushes
- Anti-movement guide rails
- Vehicle profile drying system
- Programmes and utilisation panel
- 4 programmes over 4 cycles:
Acti-mousse foam.
Wash-shampoo-rinse. Wax.
Wheel brush. Drying
- Self service
- Anti-frost draining system
- Draining system
- "Manipulator" hand control unit

Other version:

- Std 3 brush model: ref. 4306808
- Model Ariane 2 H 2.45 m:
ref. N900072

Characteristics

- Rail separation distance:
2800 mm
- Height: 3165 mm
- Width: 3760 mm
- Depth: 1600 mm
- Weight: 2.2 T
- Electrical supply:
 - Three phase 380 V, 50 Hz,
4 conductors of 32 A protected
by 30 ma sensitivity circuit
breaker
 - Three phase 220 V, 50 Hz,
4 conductors 55 A. By auto
transformer
- Live power: 14 kW
- Power consumption: 18 kW
- Fluid supply:
 - Water supply: 26-34 mm
diameter tube
 - Pressure 5/6 bars
- Water consumption: 50/60 l/min
- Shampoo consumption:
15 ml/cycle
- Wax consumption: 25 ml/cycle

Comment

**A change in rotation, on
the return pass, of the
front brush prevents
damage to accessories:
spoilers, rear windscreen
wipers etc.**

Options

- Chassis wash: ref. LC 001
- Machine and chassis wash
exterior control unit: ref. 511832
- Machine exterior control unit:
ref. 511063
- Punched card start up unit:
ref. 506089
- Coin operated change giving start
up unit, 5 programmes
maximum: ref. LJE 08

Reference

N900080

Agreement

92.033

Guarantee

1 year parts and labour

Price

Price list page 5



FOG Car wash

**Multi-program equipment providing vehicle
brush-washing and drying.**

Description

5 program washing machine
"CARESSE" consisting of:

- A sheet-metal frame protected by a coloured polyester coating
- Its movement upon rails is ensured by 4 wheels, 2 of which are driven by 2 water-proof reduction motors of IP class with 2 speeds
- 2 vertical brushes
- 1 horizontal brush
- An air drying unit
- A wheel washing unit
- A distribution unit for detergent products, protection waxes and drying
- An integrated screen for program sequence watching
- An automatic draining device
- A triple front and rear sweeping sequence
- A 5 program token pay-box
- Possible minitel telemaintenance (or directly by PC)

Other versions:

- 2,15 m working height:
ref. 550 9002
- 2,50 m working height:
ref. 550 9103

Characteristics

- Maximum vehicle height:
2500 mm
- Maximum vehicle width:
2200 mm
- Site necessary length: 8600 mm
- Site necessary width: 5060 mm
- Site necessary height: 3470 mm
- Electrical voltage: 3 x 380 V
- Power: 13,5 kW
- Water input: 30 l/mn at 3 bars
- Compressed air input: 6 to 10 bars
- Electrical consumption when washing: 0,25 kW
- Electrical consumption when drying: 0,63 kW
- Water consumption: about 110 l
- Spare compressed air for draining: 200 l
- Washing translation speed:
7 m/mn
- Drying translation speed: 7 m/mn
- "Acti-Neige" translation speed:
14 m/mn

Comment

**Low noise equipment,
possible
telemaintenance.**

Option

- Under-body washing device:
ref. 550 8108

Reference

550 9003

Agreement

92.017

Guarantee

1 year parts and labour

Price

Price list page 5



SERVICE
INFO



2.1 RUNNING GEAR

WHEEL / TYRES

<i>Tyre fitting equipment</i>	102-104
<i>Off-car wheel balancer</i>	105-107
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WHEEL ALIGNMENT

<i>Electronic geometry tester</i>	113-114
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FACOM Tyre fitting equipment

Tool for changing tyres.

Description

UTM.250 tyre changer for standard tyres, semi-automatic, supplied with:

- Two turntables with 4 inside and outside gripping clamps for rims.
- Adjustable arm on beam
- Air inflator in compliance with European standards
- Tyre lubricant recipient
- Mounting lever
- Automatic compressed air lubricator

Other versions:

- 10- to 21-inch semi-automatic tyre changer: ref. UTM.300
- 10- to 21-inch automatic tyre changer: ref. UTM.400

Characteristics

- Length: 1,230 mm
- Width: 1,000 mm
- Height: 1,680 mm
- Weight: 190 kg
- Motor power rating: 0.55 kW
- Electrical power supply: 220/380 V, three-phase, 50 Hz
- Compressed-air supply pressure: 7 to 12 bars
- Max. wheel width: 325 mm
- Max. rim diameter: 10 to 20 inches

Comment

Equipment easy to use and sturdy.

Option

- 4 clamps for motorcycle wheels: ref. UTM.300 M

Reference

UTM.250

Agreement

93.176

Guarantee

1 year parts and labour

Price

Price list page 6



MULLER BEM Tyre fitting equipment

Tool for changing tyres.

Description

The equipment is supplied with:

- 1 tyre inflation gun with pressure gauge
- 1 air lubricator
- 1 tyre lever
- 1 lubricant container
- A self clamping reversible pneumatic chuck fitted with 4 jaws
- Rapid automatic clamping of the wheel rim from the inside (from 13 inches to 20 inches) or from the outside (from 9 inches to 16 inches)
- The fact that the unit is reversible means that the correct engagement of the finger end can be checked at any time

Characteristics

- Height: 1550 mm
- Depth overall: 950 mm
- Maximum wheel diameter: 750 mm
- Width with tyre release arm open: 950 mm
- Tyre release arm capacity: 230 mm
- Tyre release force: 2200 kg at 10 bars
- Weight: 193 kg
- Operating pressure 6/10 bars
- Three phase 220/380 V motor: power 0,75 hp

Comment

The automatic fitting and removing of tyres without damage to the wheel rim edges under optimum safety conditions for the operator.

Options

- Set of 4 adaptable jaws with a special motor cycle spade end for spoked or light alloy wheels
- Capacity 16 inches to 23 inches: ref. 3636-900

Reference

3636

Agreement

93.050

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

CORGHI Tyre fitting equipment

Tool for changing tyres.

Description

Semi automatic equipment with:

- Air filter and regulator
- Inflation gauge MICHELIN type Eurodairu 1822
- Tyre lever
- Lubricating brush
- Manually operated tilting centre post with automatic locking system
- Lever allows the positioning simultaneously of the vertical and horizontal arms so that the operating head will be adjacent to the rim (automatic gap 2 mm)
- The self centring turntable operates in both directions and is equipped with 4 clamps to clamp the inside or outside of the rim
- 2 air cylinders operate the clamps and lock them
- Tubeless tyres from 17.5" can be clamped from the outside without special adaptors
- The bead breaker is operated by a double acting air cylinder

Characteristics

- Depth maximum: 1350 mm
- Depth minimum: 980 mm
- Width maximum: 1102 mm
- Width minimum: 770 mm
- Height maximum: 1740 mm
- Height minimum: 1480 mm
- Net weight: 176 kg
- Power supply: 220 V for 3 phases
- Air pressure: 10 bars
- Self centring turntable:
 - inside clamping from 12-20"
 - outside clamping from 10-17.5"
- Bead breaking force: 1550 kg
- Bead breaker opening: 330 mm
- Maximum tyre diameter: 960 mm
- Maximum tyre width: 305 mm

Comment

Automatic fitting and removal of tyres without damaging the rims offering the utmost care and safety to the operator.

Reference

A 2001 S

Agreement

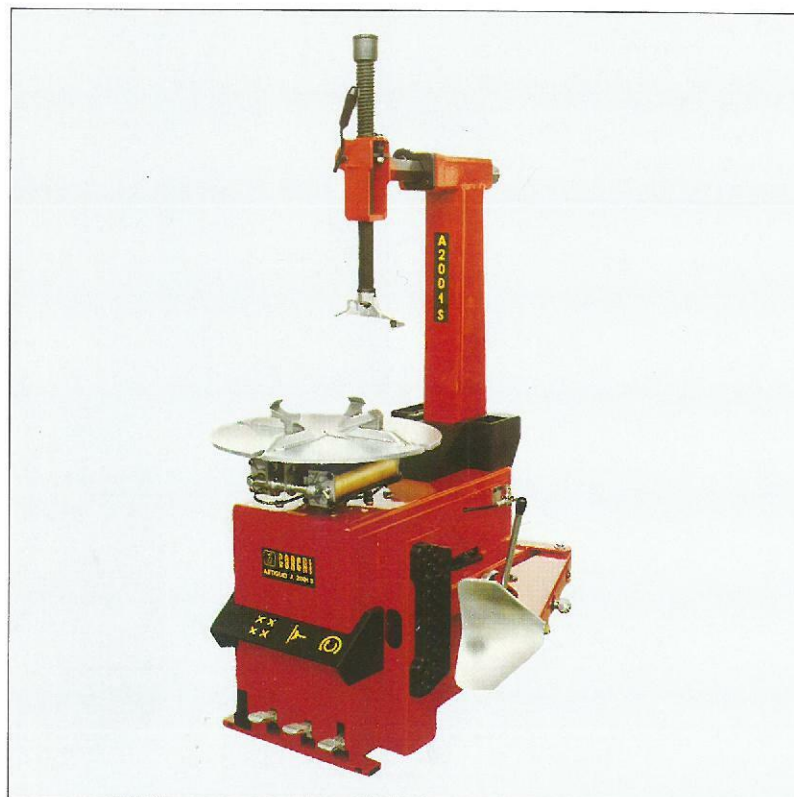
93.086

Guarantee

1 year parts and labour

Price

Price list page 6



FACOM Off-car wheel balancer

Electronic device for balancing a removed wheel.

Description

U.307.403 electronic balancer with colour graphic/display on 14-inch screen, including:

- Touch-sensitive keys, wheel recognition program
- Position of weights marked by light spot
- Integrated user's guide and printer
- General-purpose plate
- Plate with quick-coupling screw
- Dual tyre spacing gauge
- Clip for removal and installation of balance weights
- 80-column printer
- Plate fastening wrench
- 19 mm wrench for wheel nut
- Set of speed nuts
- Measuring compass
- Standard weight
- Workshop handbook
- Selection guide
- Poster
- Accessories holder
- Roller cabinet
- Worktop with storage for weights and accessories
- Programmable messaging system

Other versions:

- Balancer with standard plate: ref. U.307.400
- Balancer with general-purpose plate: ref. U.307.401

Characteristics

- Length: 770 mm
- Width: 800 mm
- Height: 1,660 mm
- Weight: 200 kg
- Power supply: 220 V, single-phase, 50 Hz
- Power rating: 550 W
- Width of rim: 2 to 13 inches
- Diameter of rim: 8 to 24 inches
- Max. loaded weight on pin: 70 kg
- Precision to nearest gramme

Comment

Electronic equipment with colour/graphic display.
Wheel recognition programme. 10 balancing modes available.

Options

- Safety housing: ref. UA.CART2
- Eccentric ring: ref. UA.JA17

Reference

U.307-403

Agreement

93.174

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

MULLER BEM Off-car wheel balancer

Electronic device for balancing a removed wheel.

Description

- 1 single electronic board
- The wheel is balanced in a single spin up
- Plate braking and locking system
- Wheel parameter display facility
- Out of balance readings shown on 2 digital displays
- Power spin up
- Duration of cycle approximately 10 sec
- Accurate to the nearest gram
- Keyboard with large keys

Characteristics

- Length with cover closed: 1000 mm
- Width with cover closed: 1040 mm
- Height with cover closed: 1200 mm
- Wheel diameters: 10" to 18" and motor cycles up to 23"
- Wheel width 2" to 14"
- Maximum wheel diameter:
 - under cover: 850 mm
 - without cover: 930 mm
- Weight: 50 kg
- Power supply: Single phase V-50/60 Hz
- Balancing speed: 200 rpm
- Measurement time: 3 s

Comment

The microprocessor carries out self diagnosis, self calibration operations and has 4 static and dynamic wheel balancing programs.

Options

- A stowage support for plates, cones and 2 trays for balance weights: ref. G100315
- 2 stowage supports for plates, cones and 2 balance weight trays: ref. G100136
- Weight fitting and removal grips: ref. 2600-60

Reference

1625-3C

Agreement

93.032

Guarantee

1 year parts and labour

Price

Price list page 6



CORCHI Off-car wheel balancer

Electronic device for balancing a removed wheel.

Description

- Balancer EM 73 C with movable console, 2 LED displays and touch sensitive keyboard
- Automatic stop/start by lowering the wheel guard
- The unbalance position and weight notified after a single spin
- A braking system to ease the mounting of the wheel
- Programmes for standard, dynamic and static, self calibration and quick optimisation
- 5 programmes for alloy wheels
- Dimensions can be entered in inches or millimeters
- Front and back cones for mounting the wheels centrally
- Rack for cones and tools
- Balance weight pliers
- The work top comprises a number of compartments for the range of balance weights

Characteristics

- Depth with wheel guard down: 1080 mm
- Depth with wheel guard up: 1630 mm
- Width with the guard: 1160 mm
- Height with the wheel guard lowered: 1280 mm
- Height with the wheel guard raised: 1680 mm
- Net weight: 115 kg
- Power: 220 V single phase (1.4 A) 250 W
- Spin speed: 3 s
- Maximum wheel diameter: 230 mm
- Maximum wheel width: 60 kg
- Balancing speed: 150 rpm
- Accuracy of measurement: 1 g

Comment

Equipment with digital display and microprocessors ensures automatic balancing and diagnosis.

Options

- Universal flange for closed centre wheels with 3, 4, 5 and 6 holes: ref. FRU/FW
- Centring cones: ref. FP, FR, D, I and AX

Reference

EM 73 C

Agreement

93.083

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

MULLER BEM Portable tyre inflator

Tool for inflating and measuring the tyre pressures.

Description

- Portable tyre inflator pressure 0 to 9 bars
- EEC approved pressure gauge
- Support fitted with an automatic screw in valve and an air input union

Characteristics

- Length: 330 mm
- Width: 330 mm
- Height: 610 mm
- Weight: 9 kg
- Compressed air line input pressure (filtered): 10 bars
- Safety valve: set at 9 bars
- Air reservoir capacity: 8 l

Comment

*Easily handled,
independent inflation
point, without piping.*

Reference

205220

Agreement

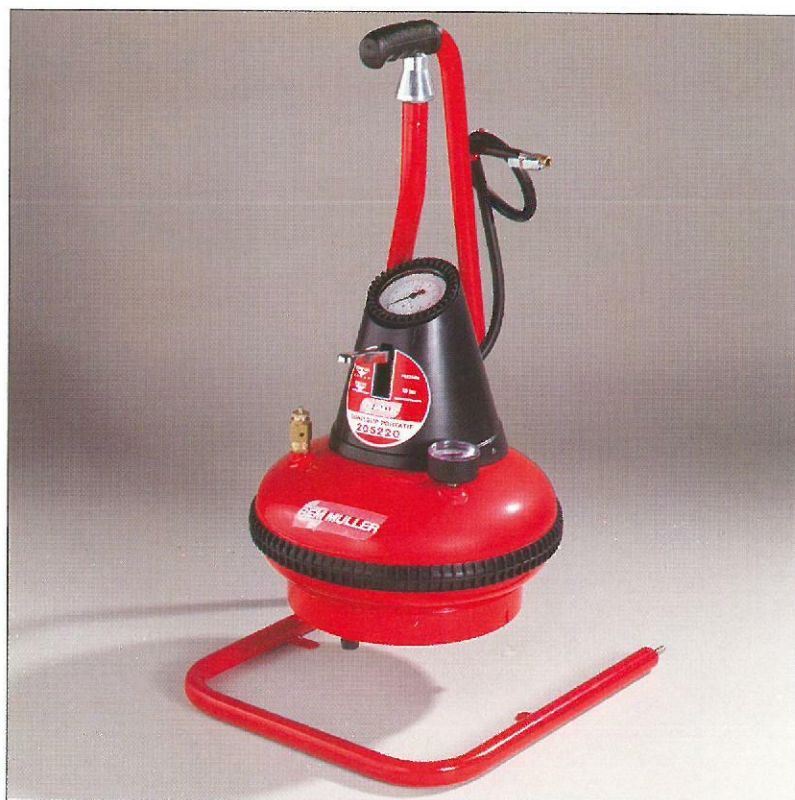
93.034

Guarantee

1 year parts and labour

Price

Price list page 6



WONDER Tyre inflator

Tool for inflating and measuring the tyre pressures.

Description

- The EURODAINU gauge has a dial display
- Ergonomically designed handle
- Rubber casing with hook and inlet valve
- Flexible inflation equipped with a clip on connector to attach to the valve
- This tool must have compressed air
- Conforms to the European Directive 86/217 CEE

Characteristics

- Flexible length: 1500 mm
- Interior diameter of the inlet pipe: 7 mm
- Diameter of dial: 80 mm
- Weight: 0.9 kg
- Graduation of gauge: 0.7 bar to 12 bars

Comment

*Portable, accurate, reliable and economic.
The EURODAINU inflation gauge is made under licence from MICHELIN.*

Reference

1822

Agreement

93.078

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

PROVAC Tyre bead spreader

Pneumatic tool for spreading tyres for inspection and repair.

Description

- Pneumatic cylinder with handle
- Air valve to open and close the movable clamp
- Air inlet with connector
- Automatic lock on the whole range of the moving clamp

Other version:

- Mechanical portable spreader (licence MICHELIN): ref. 1245

Characteristics

- Length minimum: 460 mm
- Length maximum: 780 mm
- Weight: 4.2 kg
- Air pressure: 8 bars

Comment

Easy to handle air power tool for spreading beads quickly without effort.

Reference

SUPER

Agreement

93.084

Guarantee

1 year parts and labour

Price

Price list page 6



PROVAC Tyre leak testing bath

This tank is used to immerse tubed or tubeless tyres to test for punctures.

Description

- Epoxy painted test tank
- Water covered parts are galvanised
- Draining tap
- Apparatus for lifting and lowering
- Overflow control
- Galvanised basket
- Double action air cylinder

Characteristics

- Width: 900 mm
- Height: 1550 mm
- Width maximum wheel: 300 mm
- Diameter maximum wheel: 850 mm
- Depth: 990 mm
- Weight without water: 49 kg
- Air pressure: 8 bars
- Water in bath: 160 l

Comment

Reliable equipment and simple to use. Assists rapid locating of air leaks.

Reference

80/1

Agreement

93.085

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

MULLER BEM On-car wheel balancer

Equipment that can be used for balancing a wheel fitted to a private car or a light utility vehicle.

Description

- The out of balance reading is taken by a sensor mounted under the stub axle. Its angular position is determined by a strobe light
- The out of balance reading is displayed directly on a digital display panel
- The control console is equipped with an LED indicator light that ensures the sensor is correctly connected to the wheelbalancer
- 2 control keys:
 - automatic cycle
 - manual cycle

Composition:

- Integral wheel spin up system
- Strobe system
- Spin up pulley brake
- Coaxial connection cable
- 2 piezo sensor supports, sensor carrier load

Characteristics

- Length: 1050 mm
- Width: 750 mm
- Overall height: 610 mm
- Weight: 50 kg
- Drive motor: 4 hp (3 kW)
- Equivalent wheel speed: 120 km/h
- Power supply: 220/380 V three phase-50/60 Hz
- Sensor carrier load: 500 kg

Comment

Quick wheel balancing operation showing, accurately, the position and value of the weight to be fitted to the wheel.

Options

- Wall panel for balance weights: ref. 2622
- Mobile carrier for balance weights: ref. 2600-600

Reference

5610-2

Agreement

93.045

Guarantee

1 year parts and labour

Price

Price list page 6



MULLER BEM Electronic geometry tester

Equipment for measuring and checking front and rear axle geometry.

Description

Set of 4 sensors that detect the following on the front and rear axles:

- Runout
- Wheel alignment
- Camber
- Castor
- King pin inclination
- Steering lock divergence
- Thrust angle
- Direct toe in/out readings

Data bank:

- 3.5" diskette covering a period of 10 years facilitating the operator's work by allowing him to compare his readings with the vehicle manufacturer's data
- The operator can display the data, on a screen, at any time and a very simple, user friendly program assists him to produce high quality work

Other version:

- 21" colour screen:
ref. 8670-4DB21

Characteristics

The 8670-4DB15 comprises:

- 1 mobile desk
- 1 central unit
- 15" colour screen
- 1 A4 80 column printer
- 1 set of 2 3.5" diskettes
- 2 pairs of front and rear wheel sensors with self centring supports
- Standard adaptors and adaptors for light alloy wheels
- 1 pair of front wheel swing plates
- 1 pedal depressor
- 1 steering wheel lock
- 1 publicity panel
- Power supply 220 V single phase with ground point

Comment

Equipment that is simple to use, rapid, accurate and reliable. It conforms to CITROËN After Sales procedures.

Options

- Maintenance contract
- Annual up date of vehicle data via a payable subscription

Reference

8670-4DB15

Agreement

93.044

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

HUNTER Electronic geometry tester

Equipment for measuring and checking front and rear axle geometry.

Description

- System L 111 VP4 C mobile cabinet
- Video screen 38 cm, 256 colours
- Keyboard with 102 keys
- 2 Microprocessors of 32 bits, 4 of 8 bits and 4 of 16 bits
- Printer A4 of 80 columns
- RS-232 communication
- Interactive aid on line (HELP)
- 2 3.5" disk readers
- User spec. memory for 100 vehicles
- Spec. memory of 2200 vehicles
- Annual update of manufacturer's data
- Adjustment aid by animated graphics
- Infrared telecommand
- 4 infrared measuring heads with self centering support from 10 to 19" for wheels of steel and aluminium
- Digital signal treatment (DSP)
- Anti-shock measuring head case
- Steering wheel holder
- Brake pedal depressor
- 2 front turning angle gauges
- 2 rear slip plates

Characteristics

- Length: 813 mm
- Width: 1290 mm
- Height: 1473 mm
- Weight: 166 kg
- Weight front head: 6.8 kg
- Weight rear head: 6.7 kg
- Power requirements: 220 V single phase 50/60 Hz
- Precision of display of angle: 1 minute
- Precision of toe display: 1/10th mm

Comment

Precise material, simple use with auto-control and permanent auto diagnosis. Conforming to the After-Sale CITROËN procedures.

Reference

L 111 VP 4 C

Agreement

93.079

Guarantee

3 years parts, 1 year labour

Price

Price list page 6



FACOM Steering geometry tester

Equipment for measuring and checking front and rear axle geometry.

Description

GTR.100-404P "compact" steering geometry checking equipment with 4 measuring heads:

- Display unit
- Right front read head
- Left front read head
- Right rear read head
- Left rear read head
- 3 standard 4-metre leads
- 6 m drive lead
- Extendable connector
- Power lead
- 2 turntables
- 4 head carriers
- Pedal press
- Steering wheel lock
- 2 rear compensation blocks
- Underbody height gauge
- Wall console
- Printer

Other version:

- 2-head device: ref. GTR.100-402P

Characteristics

- Length of console: 770 mm
- Height of console: 640 mm
- Depth of console: 220 mm
- Weight: 27 kg
- Power supply: 220 V, single-phase, 50/60 Hz

Comment

Equipment that is easy to use, quick, precise and reliable. Continuous display of all values.

Reference

GTR.100-404P

Agreement

93.175

Guarantee

2 years parts and labour

Price

Price list page 6



MULLER BEM Steering geometry tester

Equipment for measuring and checking front and rear axle geometry.

Description

The equipment is supplied with a wheeled support and consists of:

- 2 sensors (right and left hand)
- 2 supports with mounting jaws and a manual wheel runout elimination system
- 2 swing plates
- 2 mirrors (right and left hand)
- 2 Symmetry scales (alignment)
- 1 brake pedal depressor
- 1 steering wheel lock
- 1 220/12 volt transformer
- Degree to mm conversion tables

Other version:

- Equipment delivered on a wall support: ref. 665.933.9

Characteristics

- Power supply 220 V single phase + ground

Comment

Equipment that is very simple to use, quick, accurate and reliable. It can be updated, by means of a mirror kit. It fulfils the requirements of CITROËN After Sales Procedures.

Options

- Kit of mirrors for checking and adjusting 2 axles simultaneously: ref. 665.933.20
- Pair of scales for adjusting steering rack height: ref. 665.162.67

Reference

665.933.7

Agreement

93.033

Guarantee

1 year parts and labour

Price

Price list page 6



HUNTER Portable geometry tester

Electronic equipment for measuring and checking front and rear axle geometry.

Description

System M 111 VP4 C including:

- Hand-held console
- Polycarbonate anti-shock case with screen LCD 15 cm
- 2 8 bit microprocessors and 4 32 bit microprocessors
- Flash memory card 256 K bytes for 2200 vehicles
- User programmable specification memory for 60 vehicles
- Annual update of manufacturer's data
- Mobile storage cabinet for 80 column A4 printer, 4 measuring heads, hand-held console, steering wheel holder, brake pedal depressor, front turning angle gauges and 2 rear slip plates
- Infrared measuring heads with self centering support from 10 to 19" for wheels of steel and aluminium
- Digital signal treatment by DSP processor

Comment

Precise material, simple use. Portable unit to visualize the data during the control of the suspension system. Conforming to the After-Sale CITROËN procedures.

- Power requirement: 220 V single phase 50/60 Hz
- Precision of alignment display: 1/10th mm
- Precision of display of angles: 1 minute

Reference

M 111 VP4 C

Agreement

93.080

Guarantee

3 years parts and labour

Price

Price list page 6

Characteristics

- Length: 740 mm
- Width: 690 mm
- Height: 1200 mm
- Weight: 140 kg
- Weight of portable unit: 1.2 kg
- Weight front sensor: 6.8 kg
- Weight rear sensor: 5.7 kg



SERVICE
INFO





2.2 BRAKING

REPAIR EQUIPMENT

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BRAKE TESTERS

<i>Roller brake tester</i>	121-122
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<i>Brake and suspension tester</i>	123-127
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<i>Ramp</i>	128
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FOG Brake dust removal equipment

Mobile equipment for brake dust collection.

Description

Composite container mounted on a 2 wheel trolley equipped with:

- A rubber flap
- A transparent window
- A work handle
- An air blower with hose
- A coupling-sleeve for the vacuum-cleaner
- The height of the device is adjustable to fit the brake-drum:
- Working with:
 - A dust vacuum-cleaner mounted on a 4 wheel trolley equipped with a stainless steel container, an absolute filter and a 2 motor vacuum group able to run together or separately
 - A 2,5 m long hose
 - A tube with flat nozzle
- Meets C73150 and C73160 french standards

Comment

Permits the collection of brake dust under the best possible conditions.

Option

- Absolute spare filter: ref. 578 8028

Reference

578 9219

Agreement

93.219

Guarantee

1 year parts and labour

Price

Price list page 6

Characteristics

- Container length: 560 mm
- Container width: 622 mm
- Container height: 970 to 1370 mm
- Weight: 14 kg
- Brake plate diameter: 160 to 345 mm
- Vacuum connector diameter: 38 to 50 mm
- Vacuum-cleaner length: 660 mm
- Vacuum-cleaner width: 540 mm
- Vacuum-cleaner height: 870 mm
- Weight: 30 kg
- Electrical voltage: 220 V single phase
- Power: 2 x 1100 W
- Maximum depression: 2200 mm/ce
- Output: 88 l/s
- Container capacity: 58 l



MULLER BEM Roller brake tester

Equipment for checking the efficiency and symmetry of the vehicle braking system.

Description

The Bilanmatic 5000 comprises:

- 1 Central unit built into an enclosed desk:
 - 20" colour screen
 - Keyboard with 54 keys
 - Power supply circuit
 - Industrial grade computing electronics
- Electronic circuits with resident software for connecting to a micro computer and other test units
- The operator can program in his own garage name, publicity messages etc
- 1 regulation vehicle test sequence
- 14 programmable fault finding sequences
- On line help function
- Centronics plug for an A4 printer
- 1 base frame equipped with:
 - 2 pairs of rollers
 - The measurement system
 - 2 motor gearbox assemblies
 - Braking efforts measured by strain gauges
 - Automatic and manual measurement cycles
- Axle weighing facility
- Equipment officially approved for use as an auxiliary test installation according to the requirements of NF-R-63-701 dated 12/90 and the decree dated 18.06.91
- Readings are taken on the main service and emergency braking systems:
 - Residual
 - Runout max: min force
 - Asymmetry on each axle
 - Maximum braking effort
 - Efficiency
 - Facility for wheel by wheel testing
- Overall braking efficiency calculations for the entire vehicle
- Integrated visual inspection facility

Characteristics

- Equivalent speed: 5 km/h
- Maximum measurable force: 600 daN
- Maximum weight of each axle: 4000 kg

Comment

This equipment helps diagnose defects before rectification work is undertaken and guarantees the quality of the completed work. It conforms to current vehicle test leg. France.

- Roller diameter: 200 mm
- Min/max track: 780/2200 mm
- 2 motors of 4,8 kW 220/380 V three phase

Options

- Printer: ref. SB 100306
- Brake pedal pressure indicator: ref. SB17900-B
- Maintenance contract

Reference

5000-1 L-F-PE

Agreement

93.057

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

MAHA Roller brake tester

Equipment for checking the efficiency and symmetry of the vehicle braking system.

Description

- Steel plated console for monitor and electronics
- Colour screen with graphic and digital display, 57 cm, VGA
- Keyboard
- Infrared remote control
- Program control via electronic 16 bit microprocessor, RS-232
- Roller brake tester
- 4 steel roller set with 2 electromotors
- Roller set with synthetic coating
- Electronic strain gauge measurement system
- Electronic start-up monitoring and exiting assistance
- Automatic slip switch off with test value display and automatic re-start

Comment

An optimal diagnosis is possible using the testing unit.

Options

- DIN A4 printer
- Suspension tester
- Side-slip tester
- 4 wheel drive regulator
- Interface, 8-positions

Reference

IW MONITOR PI

Agreement

93.081

Guarantee

1 year parts and labour

Price

Price list page 6

Characteristics

Dimensions steel plated console:

- Width: 675 mm
- Depth: 650 mm
- Height: 2320 mm

Brake tester:

- Width: 2320 mm
- Length: 680 mm
- Height: 285 mm
- Weight net: 710 kg
- Voltage: 220 V/35 A - 380 V/25 A
- Tri+T+N - 9 kW



BOSCH Brake and suspension tester

Braking and suspension tester.

Description

Dynamic brake analyzer:

- Test program with automatic inspection, wheel by wheel
- Infrared remote control
- Rollers with plastic coating
- Complete frame and sub-assembly galvanized
- Interface RS 232

Chassis test analyzer (suspension):

- Automatic display of presence of vehicle
- Reliable measurements, even if the wheel is not centered on the plate
- Interface RS 232
- Portable operator terminal and transmission of measurements to a central processing unit for conducting preliminary test: 52 safety points or 89 quality points
- Allows simultaneous inspection of several vehicles
- Test conducted without previous adjustment or previous link up
- Concentrator with dual function
- Printer format A4

Characteristics

- Length: 2400 mm
- Width: 780 mm
- Height: 305 mm
- Weight: 520 mm
- Voltage connection: 380 V 50 Hz, 3-phase current
- Rotational speed: 4.2 km/h
- Current consumption: 3 kW each motor
- Max. load-bearing capacity per axle: 4 t
- Track width: 800 to 2200 mm
- Permitted wheel diameter: > 10"
- Chassis analyzer (suspension):
- Length: 2150 mm
- Width: 900 mm
- Height: 330 mm
- Weight: 380 mm
- Voltage connection: 220 V 50 Hz
- Power: 6 kW
- Frequency sensing: from 23 to 0 Hz
- Permitted load per axle: 2 t
- Display of adhesion: 0 to 99 %
- Display of unevenness: 0 to 99 %
- Alarm if deviation exceeds 30 %

Comment

Test bench (can be connected to the computer), used for preventive maintenance and for inspection after repair work. Satisfies the TÜV requirements in France. It can also be connected t

Options

- Pedal-force meter: part number 0 684 101 220
- Volume: report sheets: part number 9 683 160 982
- Maintenance contract

Reference

Autocompact 1600/PSA

Agreement

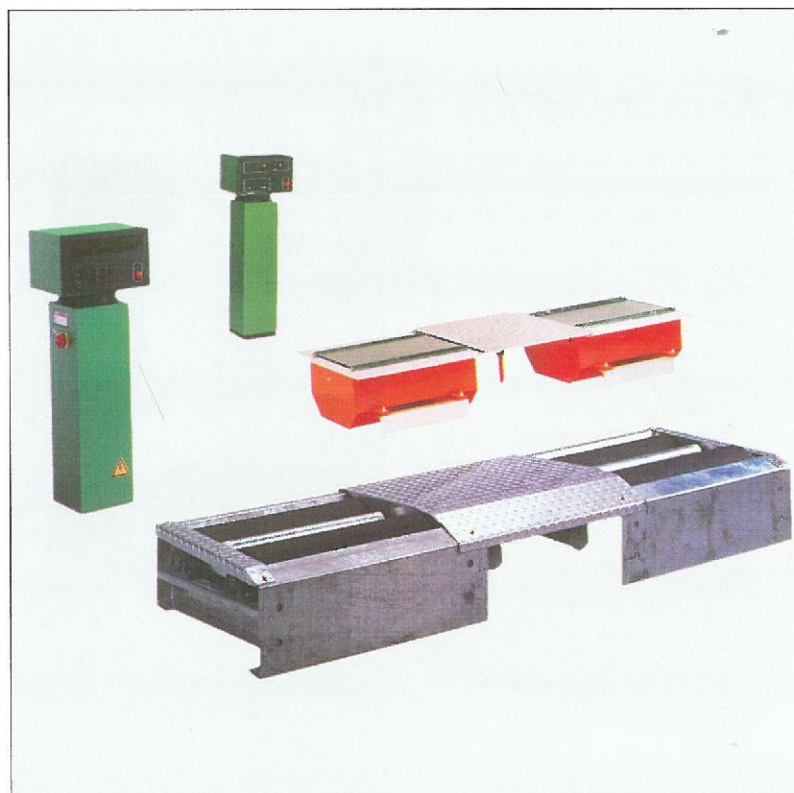
93.146

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

FOG Brake and suspension tester

Braking and suspension tester.

Description

Unit consists of:

- One brake tester featuring 2 rollers fixed at different height levels which are epoxy/silica coated
- One suspension tester with integrated car weighing system and direct data transmission for the braking rate calculation
- One swivelling console displaying results with 2 analogue dials (25 N precision) and 3 numeric display units
- One 3 button infra-red remote control
- One pedometer equipped with a push-button box wired to the console, allowing test completion in automatic or manual modes without leaving the vehicle
- One printer for printing the results
- The testers can be embedded in the ground or installed in an external frame
- Brake testers meet the NF R 63701 standard and carries the garage UTAC label

Characteristics

- Maximum axle load for the brake tester: 2 t
- Vehicle gauge: 1000 to 1530 mm
- Test speed: 5 km/h
- Weight: 600 kg
- Electrical voltage: 3 x 380 V
- Power: 11 kW
- Measurement limits: 0 to 6000 N
- Maximum axle load for the suspension tester: 2 t
- Minimum load per wheel: 125 kg
- Vehicle gauge: 1000 to 1930 mm
- Weight: 280 kg
- Electrical voltage: 3 x 380 V
- Power: 4 kW
- Dissymmetry measurement by L/R comparison expressed in %
- Scan frequency: 0 to 32 Hz

Comment

4 wheel-drive car checking. This equipment aids the diagnosis before repair and ensures the quality of the operation.

Reference

565 9032

Agreement

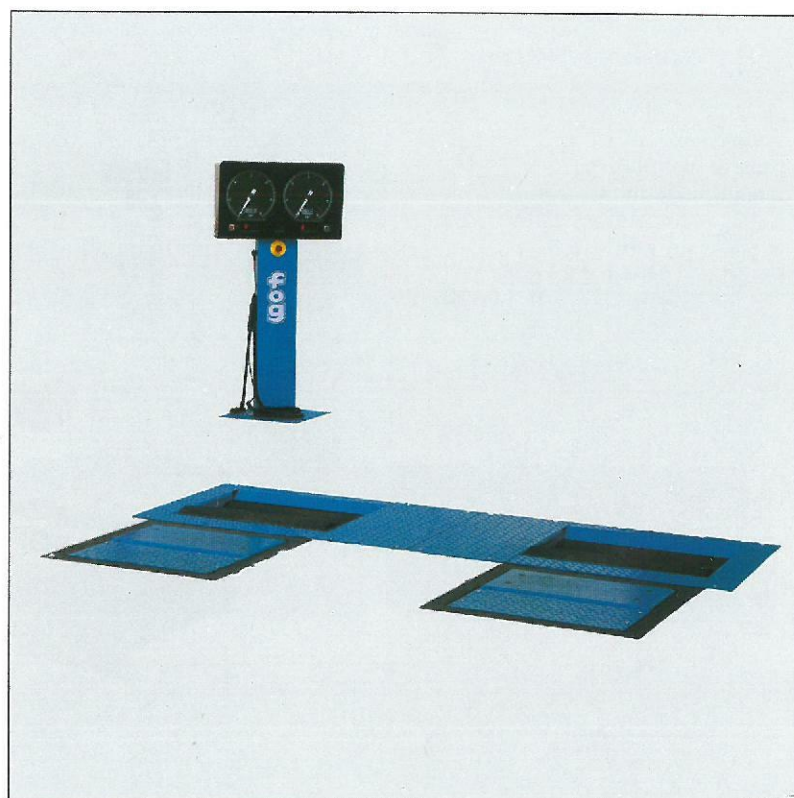
93.224

Guarantee

1 year parts and labour

Price

Price list page 6



MULLER BEM Brake and suspension tester

Braking and suspension tester.

Description

The Bilanmatic 6000 comprises:

- A console that can be adjusted through 90 degrees
 - A computerised central unit with a 21" colour screen
 - An infra red remote control
 - A keyboard with 54 keys
 - An A4 printer:
 - A program cassette
 - One regulation vehicle test sequence
 - 14 fault finding brake tester conforming to standard NF-R-63-701 (12-90)
 - Measurement readings per axle: asymmetry, overall efficiency, emergency brake efficiency
 - A facility for checking wheel by wheel
 - A suspension asymmetry test unit
 - Measurements that can be taken per axle: weight, static, wheel by wheel, dynamic, asymmetry comparing LH and RH sides.
- Equipment approved for auxiliary vch.test.install.06.91

Comment

This equipment assists in diagnosing defects before repair and guarantees the quality of the work carried out afterwards. It can be connected to other equipment.

Options

- Brake pedal pressure indicator: ref. SB 100306
- Maintenance contract

Reference

6000-1

Agreement

93.058

Guarantee

1 year parts and labour

Price

Price list page 6

Characteristics

Brake test:

- Equivalent speed: 5 km/h
 - Maximum measurable force: 600 daN
 - Maximum load per axle: 2000 kg
 - Roller diameter: 200 mm
 - Roller between centres dimension: 400 mm
 - Track min/max: 820/2200 mm
- Suspension asymmetry test unit:
- Frequency sweep: 16 to 3 Hz
 - Maximum load per axle: 2000 kg
 - 2 motors 1,85 kW



SERVICE
INFO

MAHA Brake and suspension tester

Braking and suspension tester.

Description

- EUROTEST steel plated console for monitor (rotatable) and electronics
- Colour screen with graphic and digital display, 57 cm, VGA
- Keyboard-Infrared remote control
- Program control via electronic 16 bit microprocessor, RS-232
- Automobile diagnostic testing
- Automatic zero point adjustment
- 4 Steel roller set/electromotors
- Roller set with synthetic coating (50000 tests are possible)
- Electronic strain-gauge measurement system
- Electronic start-up monitoring and exiting assistance
- Automatic slip switch off with test value display and automatic re-start
- Automatic operational sequence
- Single wheel testing
- Shock absorber tester with weight transmission to brake tester
- 2 vibration plates each

Characteristics

Dimension EUROTEST steel-plated console:

- Width: 750 mm
- Depth: 710 mm
- Height: 1800 mm

Comment

An optimal diagnosis is possible using this testing unit.

Brake tester dimensions:

- Width: 2320 mm
- Length: 680 mm
- Height: 285 mm
- Track width: 0,78 m - 2,20 m
- Axle load: 4 t
- Friction value: 0,9
- Test speed: 4,5 km/h
- Weight measurement: 2 t per axle
- Display range: 0-6 kN

Options

- Pedal force meter
- Interface, 8-positions

Reference

PACK SF

Agreement

93.082

Guarantee

1 year parts and labour

Price

Price list page 6



SOURIAU Brake and suspension tester

Braking and suspension tester.

Description

- Console display, centralised printout of results and computer controlled
- Brake tester, allows the measurement of braking efficiency, before, after and in total. The braking imbalance, the drag, ovality and the vehicle weight (by axle and in total)
- Suspension tester, allows measurement of the suspension control and movement frequency. Centralised computer control
- Automatic results transmission for both brake and suspension testers from the central control computer
- Conforms to the 63701 12/90 standard
- Conforms to the installation and use of auxiliary "control technique" equipment (agreed 18.6.91)

Comment

The unit aids diagnosis before repair and ensures the quality of the repairs made. It conforms to the French "control technique" legislation.

Options

- Maintenance contracts
- Can be floor or podium mounted

Reference

1805 V

Agreement

93.088

Guarantee

1 year parts and labour

Price

Price list page 6

Characteristics

Roller brake tester: ref. 1845:

- Length: 670 mm
- Width: 2250 mm
- Height: 270 mm
- Weight: 540 kg

Twin wheel rollers:

- Length: 700 mm
- Diameter: 200 mm
- Min track width: 800 mm
- Max track width: 2200 mm
- Motors: 2 x 3 kW
- Power: 220/380 V three phase 50 Hz

Suspension tester: ref. 1885:

- Length: 800 mm
- Width: 700 mm
- Height: 320 mm
- Weight: 125 kg
- Motors: 2 x 3 kW
- Power: 220/380 V three phase 50 Hz

Control console:

- Width: 760 mm
- Height: 1750 mm
- Depth: 300 mm



SERVICE
INFO

FOG Tilting ramp

Equipment permitting access to a control bench placed on the ground as well as reducing its over-all length.

Description

- Ramp featuring a platform articulated on a frame. Lifting is carried out by 2 compressed air bellows, driven by a remote control.

Characteristics

- Length: 3260 mm
- Width: 2725 mm
- Height: 350 mm
- Weight: 700 kg
- Air pressure input: 6 to 10 bars
- Load capacity: 2 t

Comment

Permits a space saving of 2 m from a non-integrated control chain length.

Reference

565 9067

Agreement

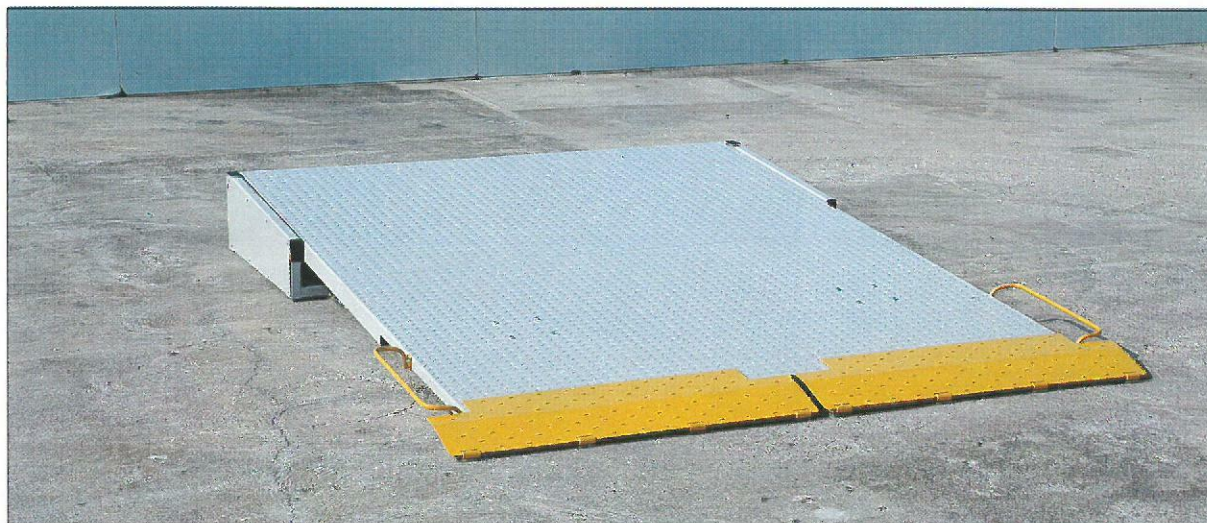
93.223

Guarantee

1 year parts and labour

Price

Price list page 6





2.3 LIGHTING

HEADLAMP BEAMSETTER

Headlamp beamsetter

130-131

BOSCH Headlamp beamsetter

Device for adjusting and inspecting the dipped and full beam headlamps and the foglamps.

Description

- Mobile frame with large rollers
- An actuating handle
- Alignment with rear-view mirror
- Optimal unit with luxmeter
- Adjustment button for the height of the light beam
- Suitable for inspection of RHD vehicles
- Simple to operate: height can be adjusted with just one hand
- Displacement of relative position of one headlamp to another without altering the setting
- Visual inspection from back or from front side of a device
- the foglamps and driving lamps can be inspected with this device
- Satisfies the standards of CEE 76/756 EEC

Characteristics

- Length: 600 mm
- Width: 650 mm
- Height: 1650 mm
- Weight: 32 kg
- Adjusting height: 270 up to 1300 mm
- Adjusting range: 0 up to 600 mm via step of 10 mm

Comment

Suitable for inspection of optical units with complex surface or polyellipsoïdal units.

Reference

0 684 100 921

Agreement

93.143

Guarantee

1 year parts and labour

Price

Price list page 6



SARO Headlamp beamsetter

Device for adjusting and inspecting the dipped and full beam headlamps and the foglamps.

Description

- Device including a rise and fall column
- Positioning with a support bar against the vehicle front wheels
- Aiming is realised by LED indicators showing how to adjust the headlamp, both horizontally and vertically
- The CANDELIC is able to aim all existing headlamps: II4, Complex Surfaces, Gas Discharge Lamps
- To save energy, pushing on the power switch allows 90 seconds duty. An indicator is "on" in case of low charge battery

Characteristics

- Length: 700 mm
- Width: 480 mm
- Height: 1400 mm
- Weight: 30 kg
- Power: 4 x R14 serial batteries: total 6 V

Comment

Simplicity of use by LED indicators. No possible mistake, even when aligning headlamps with a fuzzy "cut-off".

Options

- Viewfinder
- Cap for sunlight use
- Maintenance contract

Reference

CANDELIC

Agreement

92.015

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO



2.4 AIR CONDITIONING

AIR CONDITIONING EQUIPMENT

<i>Portable R134a recharging station</i>	134-135
<i>Mobile R134a recharging station</i>	136-137
<i>R12 recharging and recycling station</i>	138

DIAVIA Portable R134a recharging station

Basic Level equipment for all interventions on A/C systems using R134a refrigerant.

Description

Mobile unit with 4 wheels, including:

- Control valve group enabling pre-charging, evacuating and complete charging to be carried out
- High and low pressure gauges
- Charging cylinder 2,5 kg capacity, with pre-heating, control and over-fill protection
- 2-stage vacuum pump enabling an absolute vacuum of 0,3 bar

Characteristics

- Width: 0,6 m
- Depth: 0,5 m
- Height: 0,5 m
- Weight without refrigerant bottle: 17 kg
- Operation voltage: 220 V/50 Hz

Comment

The station is suitable for carrying out fault-finding and refrigerant recharging and charging functions in R134a A/C systems.

Options

- Electronic leak detector DIAVIA AT 41155
- Service and protection kit AT 41100

Reference

AT 41147

Agreement

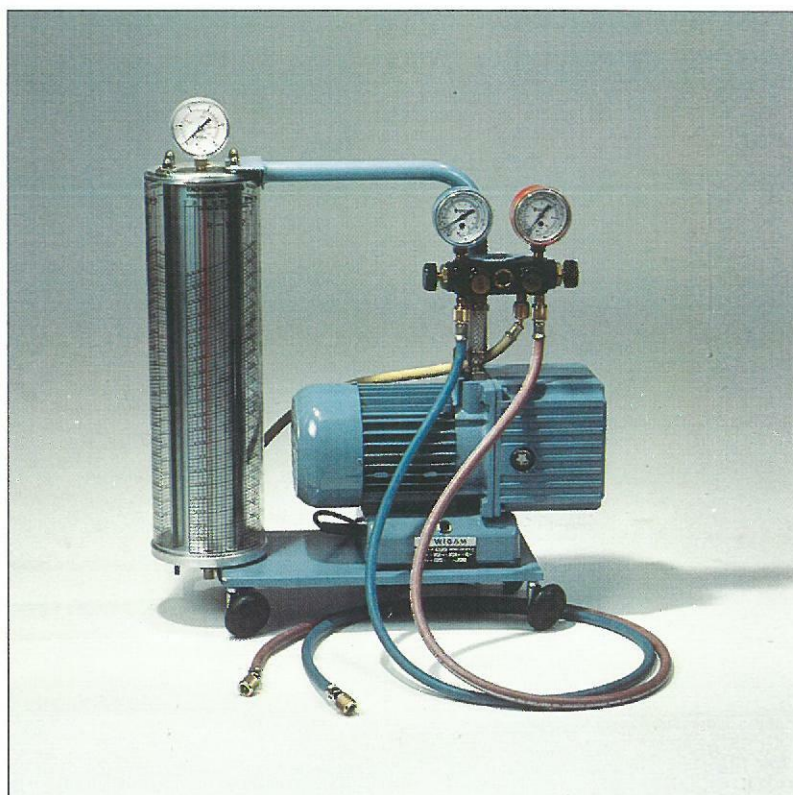
93.240

Guarantee

1 year parts and labour

Price

Price list page 6



ROBINAIR Portable R134a recharging station

Basic Level equipment for all interventions on A/C systems using R134a refrigerant.

Description

Mounted on a portable frame:

- 1 vacuum gauge
- 3 gauges for high, low and charging cylinder pressure
- 1 charging cylinder with heating element
- 1 vacuum pump
- 2 charging valves
- 3 differently coloured hoses type ACME
- 2 switches for vacuum pump and heating element
- 1 connector to combine directly with a recovery unit
- Further included in the CITROËN kit N°2:
 - 1 set of adaptors
 - 1 pair protective glasses
 - 1 brush
 - 1 adaptor

Characteristics

- Height: 600 mm
- Width: 180 mm
- Length: 600 mm
- Weight: 16 kg
- Voltage: 220 V
- Range of vacuum: 0/1000 mbar
 - low pressure: -1/+8,3 bar
 - high pressure: 0/+34 bar
 - cylinder pressure: 0/20 kg/cm
- Charging cylinder capacity: 2200 g

Comment

Essential equipment for the basic service work on R134a.

Options

- Leak detector: ref. W 13480
- Oil injector: ref. X 34065
- Refrigerant: ref. XM 6L

Reference

X95187-134 CIT

Agreement

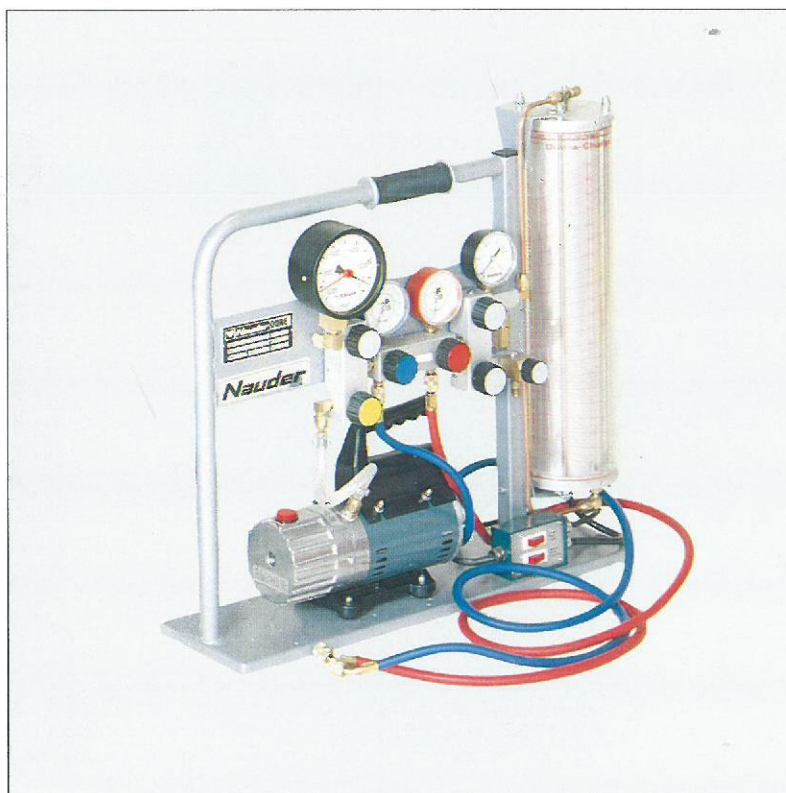
93.238

Guarantee

1 year parts and labour

Price

Price list page 6



SERVICE
INFO

DIAVIA Mobile R134a recharging station

**Basic level equipment for all interventions on A/C
systems using R134a refrigerant.**

Description

Mobile unit with 2 wheels,
including:

- Control valve group enabling pre-charging, evacuating and complete charging to be carried out
- High and low pressure gauges
- Charging cylinder 2,5 kg capacity, with pre-heating, control and over-fill protection
- 2-stage vacuum pump enabling an absolute vacuum of 0,3 bar
- User's manual

Characteristics

- Width: 0,6 m
- Depth: 0,5 m
- Height: 1,1 m
- Weight without refrigerant bottle: 35 kg
- Operating voltage: 220 V/50 Hz
- Bottle capacity: 14 kg (bottle not supplied)

Comment

The station is suitable for carrying out fault-finding and refrigerant recharging functions on R134a A/C systems.

Options

- Electronic leak detector DIAVIA AT 41155
- Service and protection kit AT 41100

Reference

AT 41140

Agreement

93.239

Guarantee

1 year parts and labour

Price

Price list page 7



ROBINAIR Mobile R134a recharging station

Basic Level equipment for all interventions on A/C systems using R134a refrigerant.

Description

- Two wheeled trolley and platform for refrigerant tank
- Vacuum gauge
- Gauges for the high side, low side as well as for the charging cylinder
- Charging cylinder with heating element
- Vacuum pump
- Vacuum valve
- Two charging valves
- Three individually coloured valves with the ACME connectors
- Two switches for the vacuum pump and the heating element
- Connectors for direct coupling to a delivery unit

Characteristics

- Height: 1150 mm
- Width: 450 mm
- Depth: 550 mm
- Weight: 40 kg
- Voltage: 220 V/50 Hz
- Graduation of vacuum gauges: 0/1000 mbar
- Graduation of gauges:
 - low side: -1 to +8,3 bars
 - high side: 0 to +34 bars
 - charging cylinder: 0 to 20 kg/cm
- Charging capacity: 2200 g

Comment

Essential equipment required for service/repairs on R134a units.

Options

- Leak detector: P/N W13480
- Protective goggles: P/N X12008
- R134a refrigerant: XM6L

Reference

X95802-134 CIT

Agreement

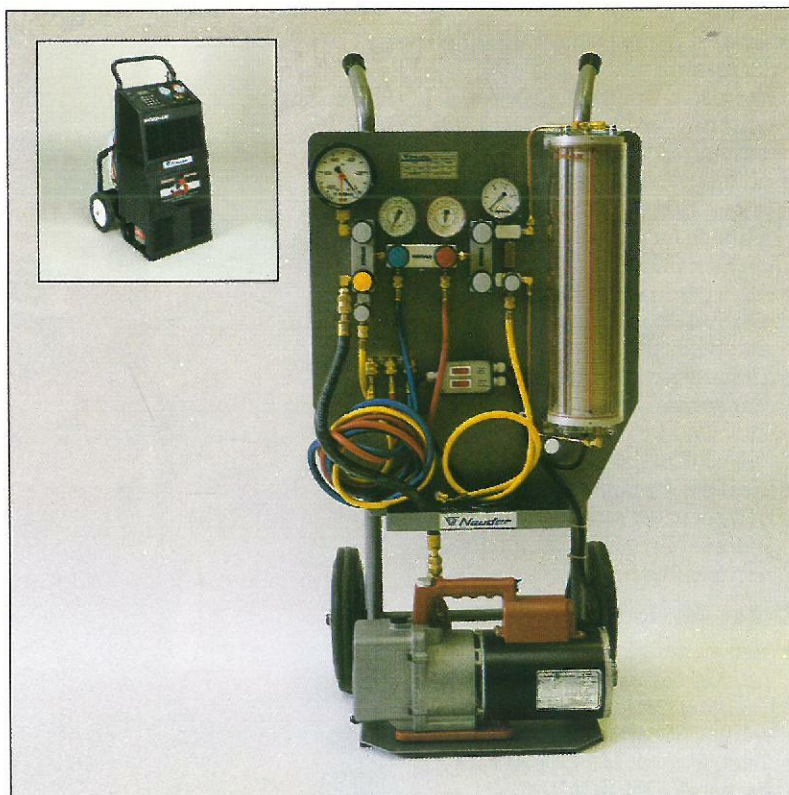
93.237

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

ROBINAIR R12 recharging and recycling station

Equipment permitting the recovery, recycling and charging of refrigerant R12.

Description

Self-contained mobile unit controlled by microprocessor, comprising:

- Control panel with manometer showing low and high pressure, control switch and indicator
- Compressor
- Vacuum pump
- Dehydration filter
- Recovery vessel
- Connection hoses in various colours
- Oil separator
- Heat exchanger
- High and low pressure safety valves

Recovery phase:

- A compressor rapidly extracts all the refrigerant from the A/C installation
- Oil and particles are removed as the refrigerant passes through the oil separator prior to being held in the reservoir

Vacuum phase:

- A vacuum pump (95 l/min) completely evacuates any moisture and air present in the A/C circuit

Recycling system:

- A liquid pump ensures that the refrigerant passes into the permanent recycling system until any moisture, oil and acids have disappeared completely
- An indicator on the control panel shows that the refrigerant is suitable for re-use

Charging phase:

- After evacuation and recycling, the system is recharged automatically
- The precise quantity of refrigerant to be recharged is indicated by pressing a key on the control panel
- The HP/LP manometers on the control panel indicate the different pressures during the service phases

Other versions:

- Minicharging station: ref. X95187-RR CIT
- Charging station: ref. X95802 RR CIT
- All equipment is supplied with the service kit CHARAC

Comment

Essential equipment for all work performed on air-conditioning circuits using gas R12.

Characteristics

- Width: 350 mm
- Depth: 570 mm
- Height: 1150 mm
- Weight: 73 kg
- Power supply: 220 V
- Recovery capacity: 0.2 kg/min
- Recycling capacity: 0.4 kg/min
- Delivery, vacuum pump: 95 l/min
- Recovery vessel: 23 kg

Reference

X 17701 CIT

Agreement

93.215

Guarantee

1 year parts and labour

Price

Price list page 7

Options

- Leakage detector R12 and R134a: ref. W 13480
- Refrigerating fluid: ref. XB6L
- Pair of goggles: ref. X12008





2.5 POWER UNIT

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LUBRICATION DELIVERY EQUIPMENT

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MULLER BEM Cooling system tester

Equipment for testing cooling systems for leaks, pressure, temperature and for presence of CO₂ in the system.

Description

Contents of the kit:

- Pressurising pump
- Pressure gauge
- Temperature sensor
- Hose
- Caps
- Reaction fluid (for detecting CO₂)
- Flushing fluid
- This equipment is used for checking cooling systems for:
 - leaks (in hoses, valves, etc)
 - bleeding
 - temperature
 - non-return valve settings
- The operation of temperature switches:
 - thermostats
 - choke
- CO₂ detection (by changes in the colour of the reaction fluid)

Characteristics

- Operating pressure: 1 bar
- Pressure gauge graduated from 0 to 2 bars
- Thermometer graduated from 0 to 120 degrees C

Comment

Accurate, reliable equipment which is simple to use and conforms to CITROËN After Sales procedures.

Options

- Reaction fluid: ref. 203020-110
- Flushing fluid: ref. 203020-120

Reference

203040-100

Agreement

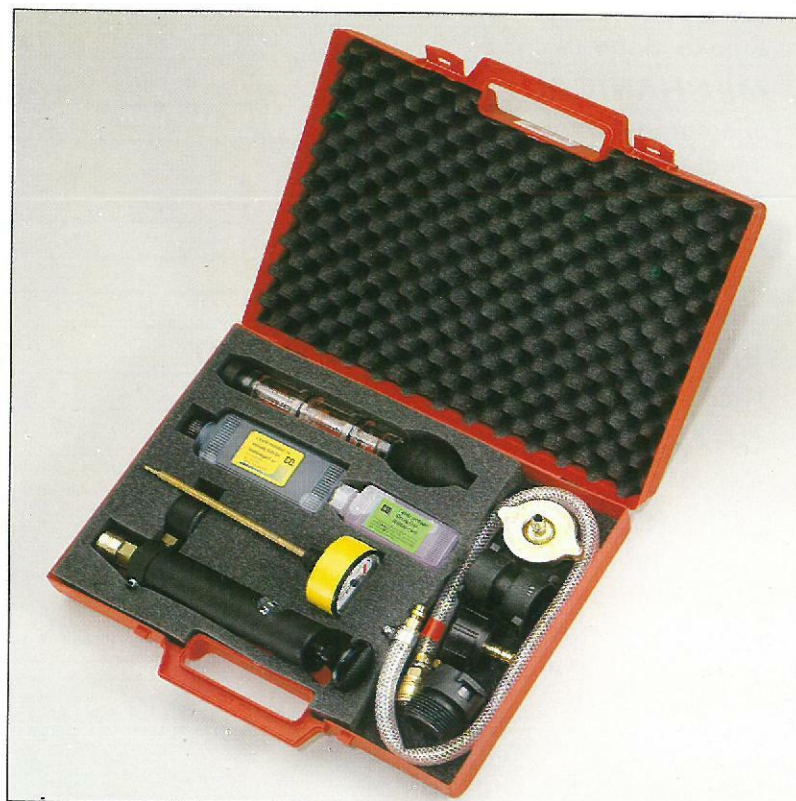
93.054

Guarantee

1 year parts and labour

Price

Price list page 7



MULLER BEM Flexible honer

Tool used for deglazing and surfacing any type of cylinder.

Description

- Flexible self centring honer (FLEX-HONE)
- Silicone carbide tool

Other versions of honer:

- 38/45 mm grain 120: ref. 204310-201
- 45/51 mm grain 120: ref. 204310-203
- 51/57 mm grain 120: ref. 204310-205
- 57/64 mm grain 120: ref. 204310-207
- 64/70 mm grain 120: ref. 204310-209
- 70/76 mm grain 120: ref. 204310-211
- 78/89 mm grain 120: ref. 204310-213
- 90/101 mm grain 120: ref. 204310-215
- 102/114 mm grain 120: ref. 204310-217
- 115/127 mm grain 120: ref. 204310-219
- 18/140 mm grain 80: ref. 204310-101

Comment

The tool can be fitted to a drilling machine without any form of adjustment.

Reference

204310-211

Agreement

93.051

Guarantee

1 year parts and labour

Price

Price list page 7

Characteristics

Weight:

- ref. 204310-201: 0.145 kg
- ref. 204310-203: 0.165 kg
- ref. 204310-205: 0.160 kg
- ref. 204310-207: 0.200 kg
- ref. 204310-209: 0.185 kg
- ref. 204310-211: 0.375 kg
- ref. 204310-213: 0.425 kg
- ref. 204310-215: 0.550 kg
- ref. 204310-217: 0.580 kg
- ref. 204310-219: 0.640 kg
- ref. 204310-101: 0.660 kg



SERVICE
INFO

SPECTRONICS Ultra-violet leak detector

UV lamp pinpoints automotive fluid leaks once fluorescent additive has been put into a leaking system.

Description

Equipment includes:

- 1 rugged 100 Watt long wave (365 nm) UV lamp used for leak detection, equipped with one 100 Watt mercury vapour bulb
- 1 power transformer with vertical and horizontal mounts for the lamp

Characteristics

- Length of cable from lamp to transformer: 2,4 m
- Length of cable from transformer to power supply: 6,1 m
- Lamp weight: 1,1 kg
- Transformer base weight: 5,1 kg
- Voltage: 220 V
- Lamp power: 100 W

Comment

Add fluorescent additive into system; run system to circulate additive; then trace system with UV lamp: a fluorescent glow will pinpoint the leak.

Options

- YAS 100: vinyl-coated steel heat-guard
- YAL 50: pair of protection goggles
- YIR: additive injector for air-conditioning circuits
- YAC 120: plastic case
- YCH: oil fluorescent additive
- other additives are available on request

Reference

YA 100 COF

Agreement

93.235

Guarantee

1 year parts and labour

Price

Price list page 7



TECNOTEST Electronic stethoscope

Instrument used to detect mechanical, electromechanical or other noise.

Description

Supplied in a case complete with:

- Amplifier box
- 1 headset adjustable on the right and left
- 3 stainless steel probes with quick coupling
- One 9 Volt battery
- 1 instruction manual
- Tone control knobs
- On/off switch and volume control knob
- ABS structure
- Operation indicator leds
- System with probe extension

Characteristics

- Length: 300 mm
- Width: 270 mm
- Thickness: 110 mm
- Weight: 2 kg
- Battery powered: 9 V with warning lamp
- Output frequency: $0 \div 20$ kHz
- Output power rating: 200 mW
- Headset: 4 ohms with jack connection
- Distortion: 0.05 % at 1 Hz

Comment

Accurately localizes mechanical or other types of noise, amplifying these in a headset.

Reference

MOD. 8000

Agreement

93.065

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

CHAUVIN ARNOUX

Temperature probe

Instrument enabling all temperature measurements by means of its sensors (water, oil, climate...).

Description

Thermometer TK 1000 supplied in a case comprising:

- Sensor SK1 needle
- Sensor SK2 bendable
- Sensor SK6 flexible
- 5 metre extension
- User's manual
- 2000 count digital liquid crystal display (13 mm)
- Display of negative sign
- Low battery indicator
- 9 specialised sensors, (surface, bendable, for pipes, air...)
- Two measurement ranges:
 - 50°C to +200°C (resolution 0.1°C)
 - 50°C to +1000°C (resolution 1°C)
- Accuracy:
 - from -50°C to -10°C: + or -2°C
 - from -10°C to +50°C: + or -1°C
 - from + 50°C to 1000°C: + or -0.5% reading of 1°C
- Protective index: IP 40 (with sensor)

Characteristics

- Length: 165 mm
- Width: 53 mm
- Thickness: 30 mm
- Weight: 180 g
- Power supply: 1 battery 9 V (6F22) with a service life of 600 hours

Comment

Sturdy assembly, quickly set up, with a very wide range of applications. Thermocouple sensors with fast response times.

Options

Other sensors:

- SK3 semi rigid: ref. 6529.03
- SK4 surface 250°C: ref. 6529.04
- SK5 surface 500°C: ref. 6529.05
- SK7 air: ref. 6529.07
- SK8 auto-grip: ref. 6529.08
- PK9 tyre: ref. 6529.15
- PP1 handle: ref. 6529.12

Reference

007270.95

Agreement

89.169

Guarantee

1 year parts and labour

Price

Price list page 7



LEITENBERGER Portable pre-heater plug tester

The instrument enables checking of individual glow plugs without removing them.

Description

- Portable case with 3 leads
- Red and blue lead for battery supply
- Black lead for glow plug supply
- The result is given by three green and red diodes in the electronics case
- Inverse polarity protected
- Short-circuit protected

Characteristics

- Length: 145 mm
- Width: 80 mm
- Height: 35 mm
- Weight: 300 g
- Voltage: 12 V
- Fuse: 16 A
- Test time: 15 s
- Cable length: 1.2 m

Comment

Reliable, easy to use tester. Rapid check for short circuit.

Reference

T973

Agreement

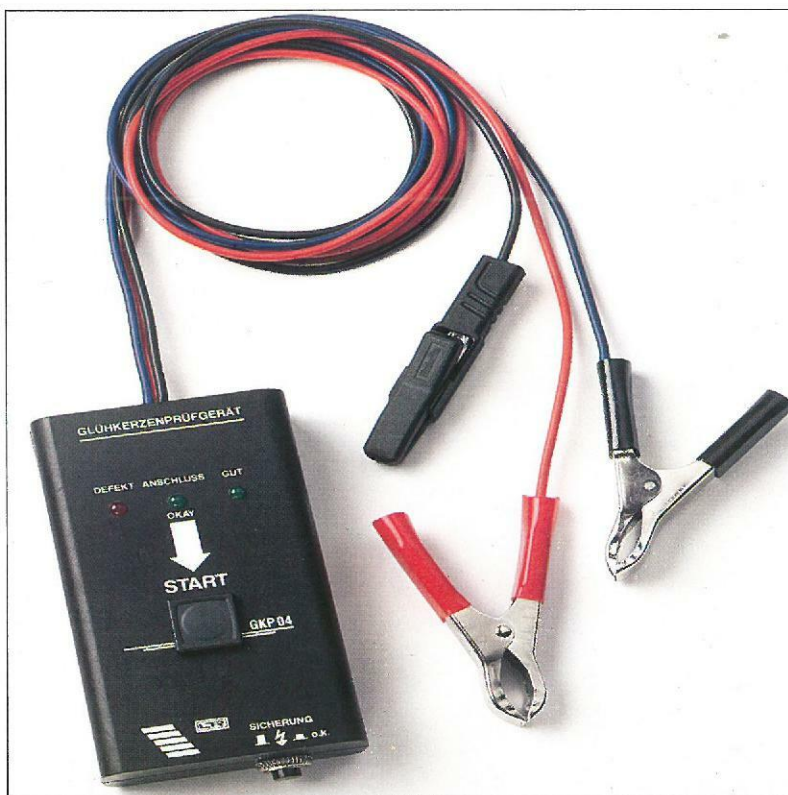
93.213

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

MULLER BEM Petrol engine compression tester

Tool for measuring and recording petrol engine compression pressures.

Description

The unit is made from moulded black plastic and supplied in a case:

- It cannot be damaged by hydro-carbon fuels
- It has an integral engine operating control
- It provides a test report at the end of the operation

Other version:

- Diesel compression tester kit: ref. 203102-100

Comment

The tool is easy to use, accurate and reliable with an integral engine control.

Options

- Packet of 50 4 to 17 bar diagram sheets: ref. 203101-110
- Diesel compression tester kit: ref. 203102-100
- Packet of 50 8 to 40 bar diagram sheets: ref. 203102-110

Reference

203101-100

Agreement

93.030

Guarantee

1 year parts and labour

Price

Price list page 7



MULLER BEM Oil pressure test equipment

Instrument for checking engine, torque converter and hydraulic suspension oil pressures.

Description

Contents of kit:

- 2 pressure gauges
- Hose
- Swivel adaptors for fitting to CITROËN vehicles

Characteristics

- Pressure gauge graduated from 0 to 10 bars
- Pressure gauge graduated from 0 to 250 bars

Comment

Accurate, reliable equipment that is simple to use. It conforms to CITROËN After Sales Procedures.

Reference

203125-100

Agreement

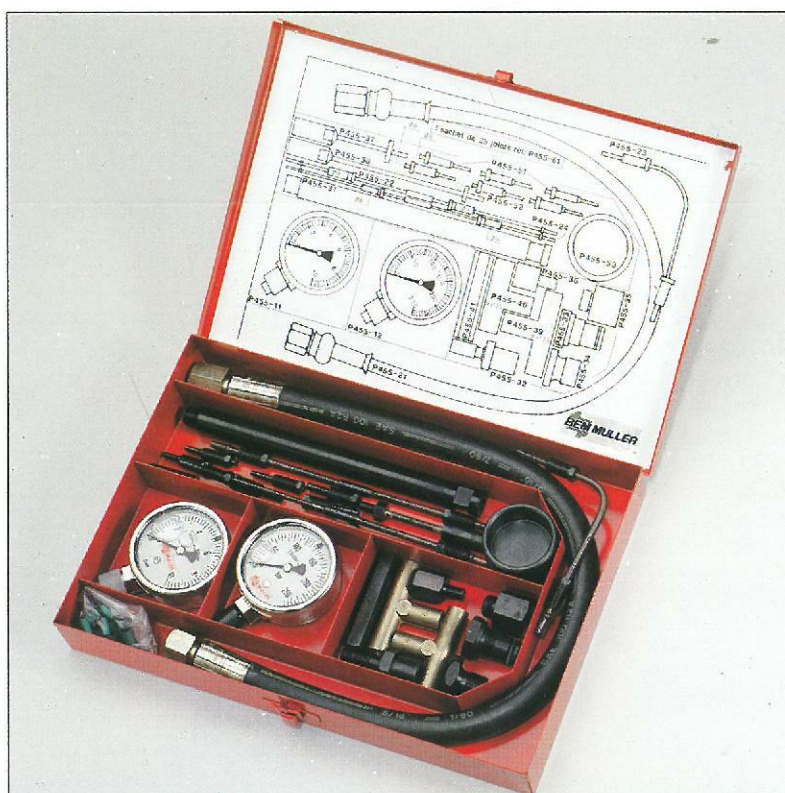
93.055

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

CHAUVIN ARNOUX Digital multimeter

Instrument enabling the measurement of current, voltage AC/DC, resistance and diode testing.

Description

- Multimeter MAX 2000 in shockproof rubber case with dual digital and analogue display
- Automatic recognition of the AC/DC signal (direct DC/AC current)
- Automatic range change: indication of the function, the range and the decimal point
- A single measurement input
- Auto OFF after 10 minutes
- Continuity and diode test
- Test of display and overload indication
- Battery test
- Measurement of frequency and temperature
- Supplied with safety leads and user's manual
- Specific switch position for clamp PAC 500B
- Total protection on voltage and resistance, HPC fuse on current
- Indication of blown fuse

Other versions:

- MAX 1000 without temperature or MAX/PEAK/HOLD/RANGE: ref. 1808.01
- MAX 3000 with direct 10 A input: ref. 1808.03

Characteristics

- Length: 145 mm
- Width: 107 mm
- Thickness: 50 mm
- Weight: 400 g
- Power supply: battery 9 V alkaline 6LR61
- Voltage AC/DC: 300 mV - 1000 V
- Current AC/DC: 30 mA - 900 mA
- Frequency: 300 Hz - 30 kHz
- Resistance: 300 Ohms - 30 mOhms
- Diode test: 3 V
- Temperature: internal 300°C / external - 50 to 1000°C
- Service life: 60 hours

Comment

Simplified use due to numerous auto features.

Options

- Current clamp PAC 500B: ref. 1200.38
- Extension CK 4F (for thermocouples): ref. 6529.14
- Fuse HPC 1A: ref. 2975.07
- Alkaline battery 9 V: ref. 1006.20
- Carrying case TPX 01: ref. 2985.04
- Safety lead: ref. 2950.12

Reference

1808.02

Agreement

92.002

Guarantee

3 years parts and labour

Price

Price list page 7



FLUKE Digital multimeter

*Instrument enabling the measurement of current,
voltage AC/DC, resistance and diode testing.*

Description

- Shockproof casing
- Liquid crystal display
- Measurement selection button
- Input connection holes
- Interface cables
- Automatic switch off if the unit is not used for 1 hour
- Automatic range change
- Resolution: 3200 points
- Integrated diodometer: low voltage is sensed to below 2 V
- Voltmeter range: 3 V, 30 V, 300 V and 1000 V
- Ohmmeter range: 300 to 3000 Ohms, 30 kOhms, 3 mOhms, 30 mOhms
- Ammeter, continuous or alternating current: 10 A overload up to 20 A for up to 30 secs

Comment

*Readily and simply
measures with multiple
inputs.*

Option

- Amps. clamp: ref. 1041-200

Reference

1041

Agreement

93.087

Guarantee

1 year parts and labour

Price

Price list page 7

Characteristics

- Length: 195 mm
- Width: 65 mm
- Depth: 35 mm
- Power: 1,5 volt battery, with a life of 2000 hours



SERVICE
INFO

CHAUVIN ARNOUX

Induction clamp

Clamp enabling the measurement of current in DC or AC electric circuits.

Description

- Clamp 500B designed for precision measurements of DC (or AC) current on vehicles
- This measurement is done on cables without interrupting or disturbing the circuit tested
- The adjustment thumbwheel, necessary for the measurement of currents with a DC component, makes it possible to overcome external influences: temperature, magnetic field, residual induction, etc
- Sturdy and attractively styled case
- ON/OFF switch
- Connection by two core fitted lead (dual insulation) 1.5m long with safety banana plugs diameter 4mm

Other versions:

- PAC 400B, 1 to 500 A.DC without zero adjustment: ref. 1200.37
- PAC 1000B, 1 to 1000 A.DC with zero adjustment: ref. 1200.32

Characteristics

- Length: 195 mm
- Width: 66 mm
- Thickness: 34 mm
- Weight: 380 g
- Power supply: 2 batteries 1.5 V type LR 03
- Measurement range: 0.1 to 600 A.DC and/or AC
- Accuracy: 2.5% of the reading
- Output: 1 mV DC / 1 A AC
- Service life: 800 hours
- Maximum clamping capacity: cable diameter 30 mm
- Operating temperature: 0°C to 50°C
- Dielectric strength test: 4000 V.AC
- Maximum operating voltage: 660 Vrms

Comment

Enables measurements without having to disconnect electric cables. Adapts to all digital multimeters, simple to use and to set up.

Options

- Adaptor safety socket / 4mm socket: ref.1017.45
- Batteries LR 03: ref.2960.05
- Digital multimeter: ref.1808.02

Reference

1200.38

Agreement

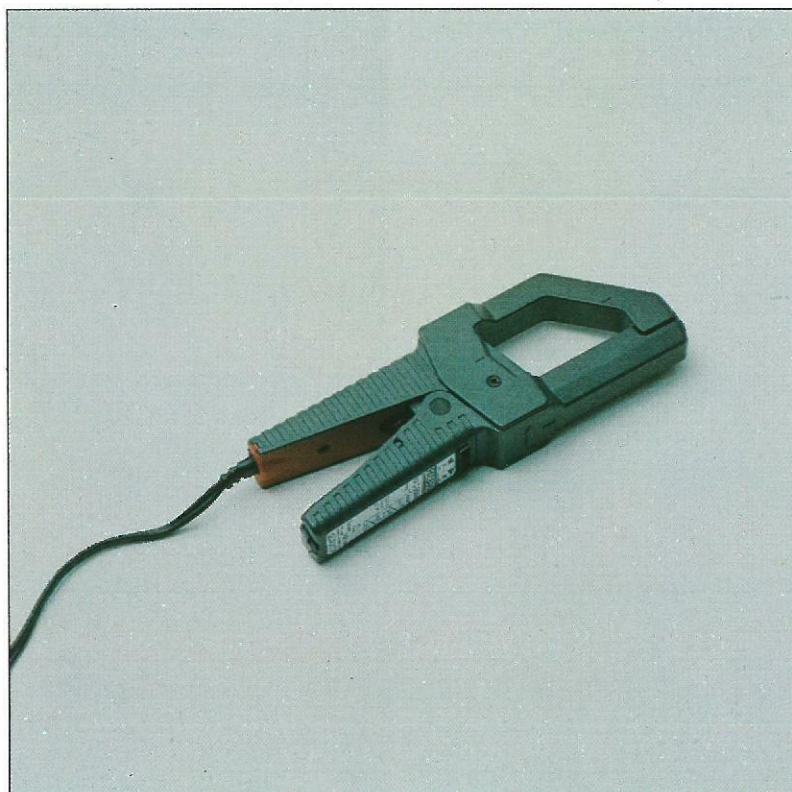
92.008

Guarantee

1 year parts and labour

Price

Price list page 7



FLUKE Induction clamp

Clamp enabling the measurement of current in DC or AC electric circuits.

Description

- Clamp with an on-off switch
- Measurements are taken without the need to disconnect the circuit cables
- Co-axial cable (double isolation)
- Operating temperature: 0°C to +50°C
- Measurement range 10 A to 400 A, but usable from 1 A to 600 A
- Maximum diameter of the cable being measured: 30 mm

Characteristics

- Length: 195 mm
- Width: 65 mm
- Depth: 35 mm
- Weight: 300 g
- Power: 2 batteries 1,5 volts, type LR03, with 500-1000 hours life

Comment

Allows the measurement without the need to disconnect the cables. Adaptable to all digital multimeters.

Option

- Multimeter: ref. 1041

Reference

1041-200

Agreement

93.094

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

MOTOMETER Battery tester

A precision testing device that gives an accurate analysis of the condition of a vehicle battery.

Description

- The battery condition recorder produces a printed chart which records the measurement results of
- Charge level (the quantity of stored chemical energy)
- Startability (whether a battery can discharge its stored energy under the extreme conditions of a starting procedure)
- The battery condition tester will take into consideration all factors which influence and determine the efficiency of a battery
- The internal microprocessor has been stocked with the characteristics of all batteries available on the world market:
 - capacity in Ah
 - cold discharge test current in A
 - typical utility values
- Permanent records and precise results
- The battery condition recorder analyses the temperature of the battery, using the ambient temperature as a reference value
- The voltage measurements are accurate to one hundredth of a volt

Characteristics

- Length: 330 mm
- Depth: 340 mm
- Height: 230 mm
- Weight: 8 kg
- Rated voltage: 12 V (24 V = 2 x 12 batteries)
- Rated capacity: 8 Ah up to 140 Ah
- Rated low temp test current: up to 500 A
- Battery temperature range: -18°C to +40°C
- Test duration: 5 minutes

Comment

Efficient equipment, with a new concept; accurate measurement results indicating the service condition of the battery.

Options

- Pack of 100 record sheets: P/N 513.412.0500
- Pack of 100 record charts: P/N 513.501.8000
- Chart carrier plate: P/N 539.201.9300
- Temperature sensor: P/N 642.019.001

Reference

BZS10

Agreement

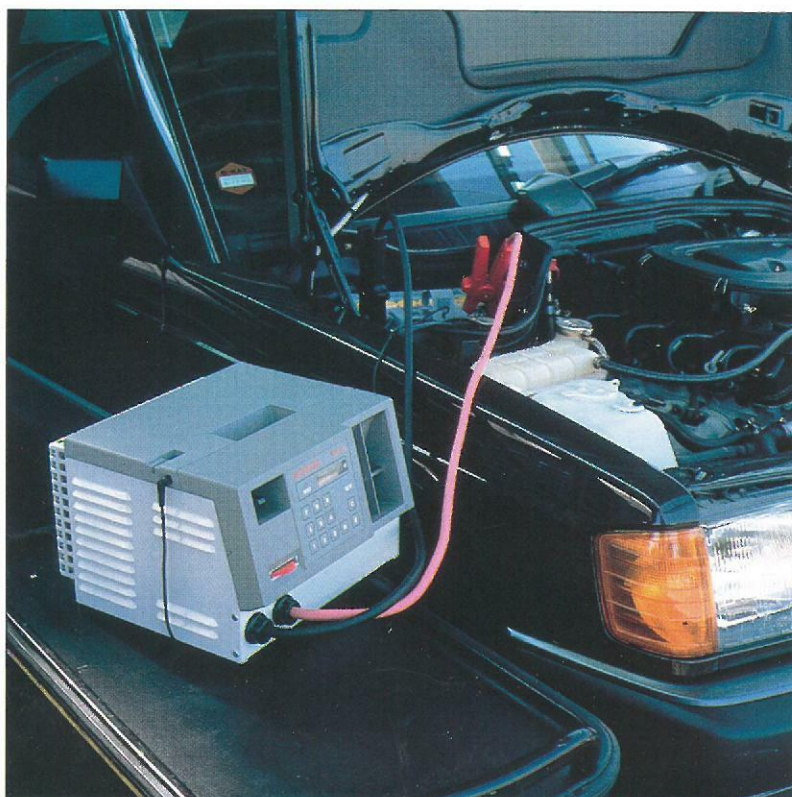
92.011

Guarantee

1 year parts and labour

Price

Price list page 7



LEITENBERGER

Refractometer

**Tester which allows the control of battery acid density
and antifreeze protection in cooling systems.**

Description

Controlling method:

- Take one drop of cooling water or battery acid and put it on the prism
- Close plastic lid
- Reading is through the eyepiece by directing the refractometer against a light source

4 measuring scales:

- Minimum temperature of protection of antifreeze in the cooling system: propylene glycol, ethylene glycol
- Density of battery acid
- Minimum temperature of protection of antifreeze in windscreen washer water

Comment

Precise and very rapid control.

Reference

T2020

Agreement

93.207

Guarantee

1 year parts and labour

Price

Price list page 7

Characteristics

- Plastic body
- Glass prism
- Pipette for taking fluid sample
- Adjustable eyepiece



SERVICE
INFO

FACOM Pressure and vacuum pump

Device for testing and adjusting equipment running under vacuum or pressure.

Description

- Device made out of plastic material
- Vacuum/pressure pump with decompression valve and "revolver" handle
- Graduated pressure gauge
- Pressure/vacuum inversion valve
- 800 mm transparent hose, six end-fittings and suction pad
- Can check and adjust:
 - Ignition vacuum advance
 - Turbocharger pressure control valve

Characteristics

- Length: 260 mm
- Width: 170 mm
- Thickness: 60 mm
- Weight: 0.465 kg
- Test pressure: 0 to 1.5 bar
- Test vacuum: 0 to 1 bar

Comment

Additional equipment serving as complement to timing light. Simulates a pressure or vacuum.

Reference

DA.16

Agreement

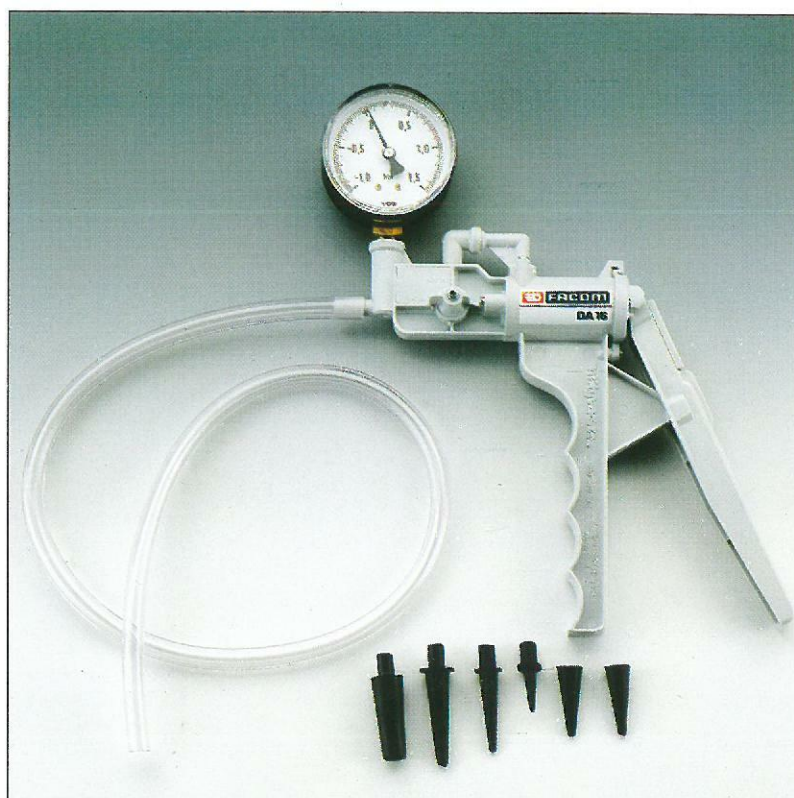
93.185

Guarantee

2 years parts and labour

Price

Price list page 7



SOURIAU Multitester

A unit that allows the analysis of both petrol and diesel engines.

Description

- The 1050 ED (petrol and diesel) allows 2 digital displays that read simultaneously
- A control keyboard that permits simple measurement selection. Amps and volts analysis
- Optional version: 1050 E (petrol only)
- Resistance measurement
- Dwell and points resistance measurements
- Engine speed
- Timing and advance analysis, using strobe lamp, or the vehicle's PMH (TDC) sensor
- Voltage measurement from 0-60 volts
- Peak voltage measurements up to 60 volts
- Amps. measurements from 2 to 600 amps
- Resistance measurements from 2 to 30 kOhm
- Engine speed from 0 to 6000 rpm
- Dwell angle from 0 to 100 %
- Advance from 0 to 60 degrees

Characteristics

- Length: 450 mm
- Depth: 400 mm
- Height: 200 mm
- Weight: 12 kg
- Power: vehicle battery (12 volts)

Comment

A simple to operate unit that works on all types of vehicles.

Options

- Wheeled trolley: ref. 1050-10
- PMH (TDC) cable: ref. 9310-0000)
- PMH (TDC) adaptor: ref. 2690-0171)

Reference

1050 ED

Agreement

92.007

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

TECNOTEST Petrol / Diesel timing meter

Instrument which checks and regulates the rate of advance in petrol and diesel engines.

Description

- 1 timing light
- One 12 V power supply cable
- 1 cable for diesel engines with 6 mm diameter piezo-sensor
- 1 cable for petrol engines with induction clamp
- 1 voltage monitoring cable
- 1 connection for TDC sensor
- 1 instruction manual
- 1 case
- RPM/TDC sensor
- Power supply through vehicle battery

Characteristics

- Length: 300 mm
- Width: 110 mm
- Height: 270 mm
- Weight: 2 kg
- Voltage: 0-60 V (tol.: 0.1)
- Running rate: 0.9990 rpm (tol.: 10)
- Advance: 0-99.9° (tol.: 0.1°)

Comment

*Digital display for three simultaneous readings.
10 seconds memory for the various values.
Volts/Peak.*

Reference

MOD. 232

Agreement

93.064

Guarantee

1 year parts and labour

Price

Price list page 7



SOURIAU Stroboscopic timing lamp

A unit designed to measure the initial timing and advance curve.

Description

- Anti-shock casing
- Microprocessor controlled
- Simultaneously reads and displays digitally, with different colour displays
- 2 or 4 stroke engine analysis
- Memorises for up to 10 seconds the measured values, manually or automatically
- Memorises the advance degrees
- Reads engine speed
- Automatic selection for number of cylinders
- Measures dwell, cylinder by cylinder, for verification of the ignition timing, with a precision of 0.1 degrees
- DC voltmeter, with peak measurement for the analysis of impulse sensors (OT, RPH, PMH, etc...)
- Reverse polarity protected
- Engine speed range 0-9990 rpm, +/- 10 rpm
- Advance 0-99,9 degrees, +/- 0,1 degree
- Dwell angle 0-99,9 degrees, +/- 0,1 degree
- Voltmeter 0-60 volts, +/- 0,1 volt
- Peak voltmeter 0-60 volts, +/- 0,1 volt

Characteristics

- Length: 275 mm
- Width: 175 mm
- Depth: 85 mm
- Weight: 1,8 kg
- Power: 12 volts

Comment

Displays the different measurements simultaneously.

Reference

1031

Agreement

89.188

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

BOSCH Multi-gas exhaust analyzer

Device for inspection, adjustment and analysis of exhaust gases (CO, CO₂, HC and O₂).

Description

Scope of delivery: exhaust-gas analyzer with:

- Engine speed sensor
- Temperature sensor
- Incorporated printer
- Mobile tester trolley
- 2 outputs RS 232
- Program control and compilation of measured value by microprocessor
- Continuous autotest of program and functions with display of error codes and operating errors
- During a measurement, no interruption for calibration
- Calculation of Lambda sensor characteristic
- Measuring ranges:
 - CO: 0 up to 10 % vol
 - CO₂: 0 up to 18 % vol
 - HC: 0 up to 9990 ppm - precision: 1 ppm
 - O₂: 0 up to 21 % vol.
 - CO: 0 up to 10 %
 - Speed counter: 0 up to 9990 U/min
 - Engine oil temperature: 0 up to +150°C
 - Satisfies the technical specification

Characteristics

- Length: 440 mm
- height: 270 mm
- Depth: 395 mm
- Net weight: 24 kg
- Power connection: 220 V 50 Hz
- Heating-up phase: 3 minutes

Comment

Automatic calibration before each analysis.

Meets the legal specifications for inspection of vehicles fitted with catalytic converters.

Options

- Printer format A4
- Link with central memory for measurements
- Maintenance contrac

Reference

0 684 100 835

Agreement

93.142

Guarantee

1 year parts and labour

Price

Price list page 7



FACOM Multi-gas exhaust analyzer

Device for inspection, adjustment and analysis of exhaust gases (CO, CO₂, HC and O₂).

Description

XR.742-4P400 infrared gas analyser on portable trolley, ready to use, including:

- Printer
- Gas probe with insulating handle
- Automatic altimetric correction
- Temperature probe for engine oil
- Revolution counter probe
- Automatic, forced water drainage
- Front panel filter
- RS-232 port
- Display of value of the 4 gases and lambda index display
- Adheres to NF.R10-019 and ISO 3930 standards

Characteristics

- Weight: 56.4 kg
- Power: 220 V, single-phase, 50 Hz
- Electricity consumption: 450 mA
- Measurement ranges:
 - CO: 0 to 10%
 - CO₂: 0 to 20%
 - HC: 0 to 2,000 ppm
 - CO: corrected in automatic and continuous calculation mode
 - O₂: 0 to 25%
- Lambda: 0.7 to 1.3
- RPM: 0 to 9,999 rpm
- Revolution counter cycle: 2-stroke or 4-stroke
- Oil temperature: -20° to +235°C
- Length of probe: 5.5 m
- Temperature limit: 400°C

Comment

Self-test and automatic calibration every 20 minutes. Meets legal inspection requirements for vehicles fitted with catalytic converters.

Reference

XR.742-4P400

Agreement

93.177

Guarantee

2 years parts and labour

Price

Price list page 7



SERVICE
INFO

SAGEM Multi-gas exhaust analyser

Device for inspection, adjustment and analysis of exhaust gases (CO, CO₂, HC and O₂).

Description

The AGM 1500 A gas analyser enables:

- Measurement of CO, CO₂, HC, and O₂ levels
- Computing of the lambda value
- Provision of an efficient aid for motor diagnostics
- Testing of vehicles' antipollution devices, especially catalytic converters
- The operator uses a 6 key pad and the readings are shown on 6 displays
- Operational control via an auto diagnostic component with an automatic electrical zero value and compensation for pressure and temperature variations
- Simplified maintenance including easy filter replacement and the possibility of performing calibrations without breaking any seals
- User safeguards designed to prevent improper handling
- Oil temperature: 0 to 160°C
- The following measurement range:
 - CO: 0 to 10% Vol
 - CO₂: 0 to 20% Vol
 - HC: 0 to 10000 ppm Vol
 - O₂: 0 to 25% Vol
- Opacity: 0 to 99%, 0 - 5 m-1
- Measurement precision: ISO 3930

Comment

Precise, yet easy to use. Equipment complies with various European standards now in force: SIM, AUII, MOT, CUNA, ISO 3930, and UTAC garage label.

Characteristics

- Length: 570 mm
- Width: 550 mm
- Height: 150 mm
- Weight: 15 kg

Options

- Printer: ref. 21.555.719-4
- Tachometer: ref. 21.573.835-6
- 2 Measurement channels: ref. 21.533.527-5
- Standard table: ref. 21.533.554-8
- Veritas table: ref. 21.533.584-5
- Preequipment: ref. 21.533.684-7

Reference

AGM 1500 A

Agreement

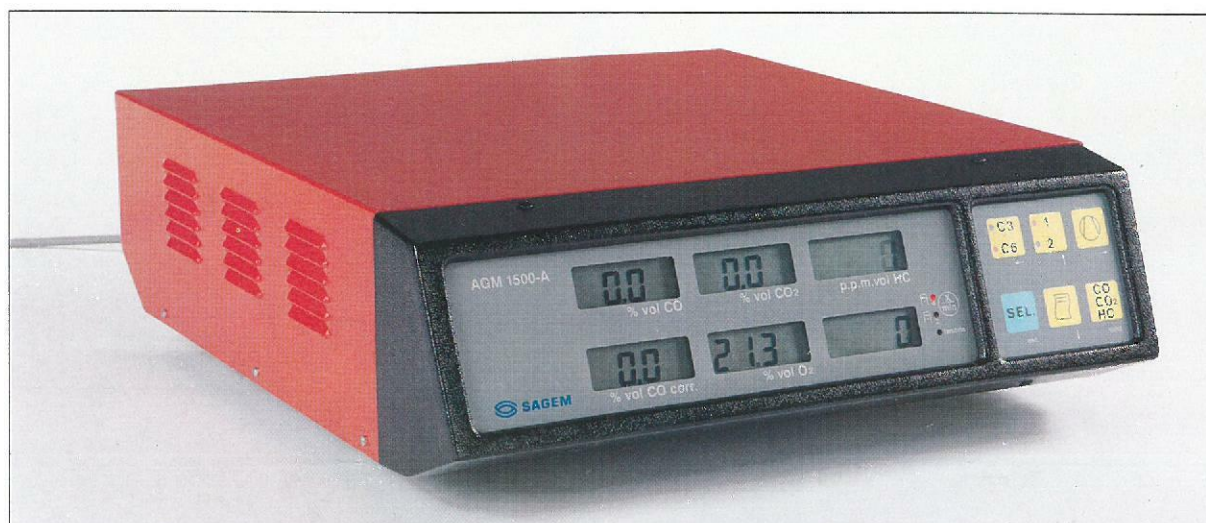
91.001

Guarantee

1 year parts and labour

Price

Price list page 7



SOURIAU Multi-gas exhaust analyser

Device for inspection, adjustment and analysis of exhaust gases (CO, CO₂, HC and O₂).

Description

- Simultaneous display of the 4 gasses as a % of the volume
- Operational assistance messages are displayed to aid the operator
- Air/fuel ratio calculation (Lambda ratio)
- 8 button keypad control
- 40 column printer
- Simultaneous measurement of:
 - the volume of carbon monoxide (CO) 0 - 7%
 - the volume of carbon dioxide (CO₂) 0 - 16%
 - the volume of hydrocarbons (HC) 0 - 10.000 ppm
 - the level of oxygen (O₂) 0 - 21%
 - corrected CO
 - the Lambda ratio
 - the engine speed, normal or distributorless ignition systems, 200 - 7000 rpm
 - the oil temperature max 150°C
- Uses the infra-red principle of measurement
- Automatically compensates for atmospheric pressure change (730 hpa to 1075 hpa)
- Automatically calibrates every 30 mins, with 1 min. warning of the next calibration
- Automatic control of the date and time
- Stainless steel exhaust probe
- RS232 and 20 mA RS485 ports
- Automatic test of the gas sampling circuit for leaks or blocked filters

Characteristics

- Length: 380 mm
- Depth: 220 mm
- Height: 450 mm
- Weight: 10 kg
- Power: 220 V, 50 Hz
- Operating temperature: +5°C to +40°C
- Warm up: 10 mins
- Pump capacity: 300 litres/hour

Comment

Pre-equipped for diesel smokemeter. Meets ISO 3930 and 3929, OIML R 99 and CEE 70220.

Options

- AZERTY PC keyboard: ref. 4040-23
- Smokemeter/Opacitymeter: ref. 4040-85
- Maintenance contract

Reference

4040 COF

Agreement

92-010

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

TECNOTEST Multigas exhaust analyser

Device for inspection, adjustment and analysis of exhaust gases (CO, CO₂, HC and O₂).

Description

- Multifunc. analys. with 7 simult. displays
- Controlled by microprocessor
- Autodiagn
- Infrared analyser
- Bright digital display
- Autom. self-setting
- Atmospheric pressure sensor
- Pneumatic circuit monitoring
- Built-in printer (24 charact.)
- Bimodular support (mod. 922)
- Adaptor (mod. 2030)
- Sampling probe cable
- Induct. revol. counter cable
- Temper. cable
- Continuous elimination of condens.
- Supplied with spare consumable parts Field of measurement:
 - CO: 0 - 99.99 Vol % (res. 0.01)
 - CO₂: 0 - 19.9 Vol % (res. 0.1)
 - HC: 0 - 9999 ppm (res. 1)
 - O₂: 0 - 25.5 % (res. 0.1)
 - Lambda: 0 - 2.000 (res. 0.001)
 - RPM: 0 - 9999 (res. 20 for 0 - 5000)
- Temperature 0 - 199 °C (res. 1°)
- RS 232 output
- SIM and OIML homologation

Characteristics

- Length: 400 mm
- Width: 340 mm
- Height: 182 mm
- Weight: 16 kg
- Power supply: 220 V/50 Hz

Comment

Compact and totally automatic. Permanent autodiagnosis. Low maintenance. Accuracy in compliance with the provisions in force in the various countries.

Options

- MICROCOM alphanumerical keyboard ref. 31051
- Personal Computer complete with the manufacturer's data: ref. MOD. 500
- Diesel opacity: ref. MOD. 495
- Maintenance agreement

Reference

MOD. 488

Agreement

92.014

Guarantee

1 year parts and labour

Price

Price list page 7



SEDA Lead detector

A product used to detect the presence of lead in exhaust systems of vehicles fitted with catalytic converters

Description

Supplied in plastic case containing:

- 1 box of 40 test-paper inserts
- 1 bottle of distilled water
- 1 bottle of acetone
- 40 disposable gloves
- Moisten a test-paper with 2 drops of distilled water, then press on end of still warm exhaust pipe
- Paper will turn pink or red if lead is present

Characteristics

- Length: 230 mm
- Width: 180 mm
- Thickness: 45 mm
- Weight: 470 g

Comment

Simple to use. No special training required. Gives highly sensitive and reliable results.

Option

- Box of 40 test-paper inserts: ref. T 900/1

Reference

T900

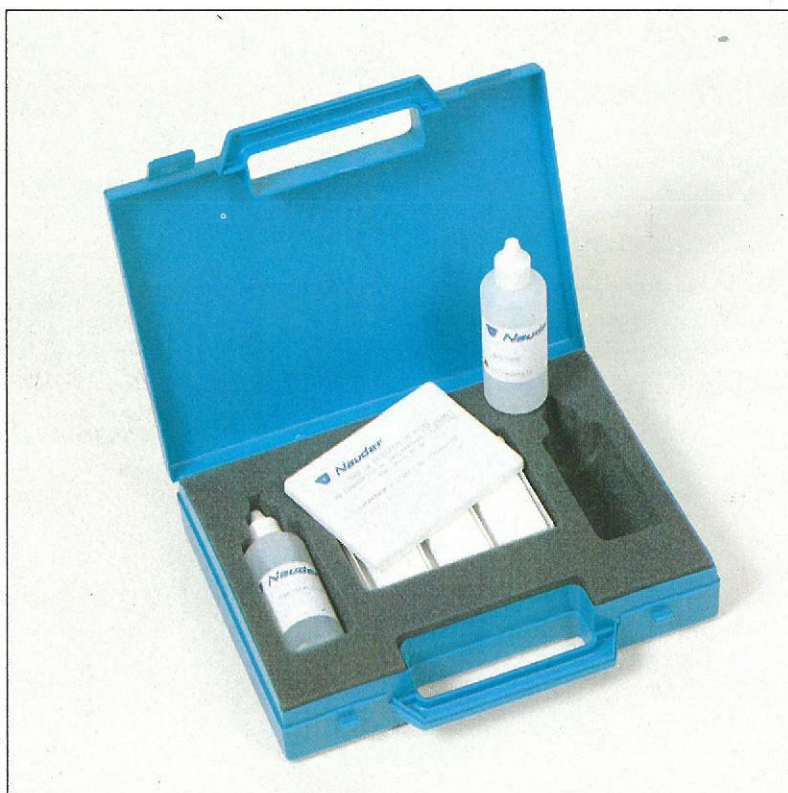
Agreement

93.210

Guarantee

Price

Price list page 7



SERVICE
INFO

TECNOTEST Lambda probe tester

Instrument to simulate operation and monitoring.

Description

Supplied in a case complete with:

- 1 detector with unbreakable case
- Graphic probe signal display
- Power supply monitoring selector
- Continuity monitoring selector
- Rich mixture simulating button
- Lean mixture simulating button
- 12 V power supply cable
- Lambda probe/injection plant connection cable
- Instruction manual
- Protection against polarity reversal
- Lighted display of graphics by leds
- Simulation of lean and rich mixture signals

Characteristics

- Length: 180 mm
- Width: 120 mm
- Thickness: 60 mm
- Power supply: 12 V

Comment

Specially designed to test the efficiency of the oxygen probe and related injection equipment by analysis and simulation.

Reference

MOD. 465 CTR

Agreement

92.013

Guarantee

1 year parts and labour

Price

Price list page 7



BOSCH Smoke meter

Device for inspecting and analyzing the emissions from Diesel engines.

Description

- RTT 100 supplied with flexible Viton hose, exhaust extraction probe and power supply cable for connecting to the vehicle battery
- Self-cleaning facility in measuring chamber by means of pyrolysis (disintegration of substances under influence of heat)
- Test program in accordance with standard BEC 72/306
- Test procedure with screen display support to assist the operator
- 2 measuring modes possible:
 - when accelerator pedal is actuated
 - continuous (measuring under load on roads)
- Self-diagnosis
- Interface RS 232
- Measuring process: absorption photometry
- Measuring range: 0 - 10 m(-1) (coefficient of absorption = K value)
- Resolution: 0,01 m3
- Display modes: coefficient of absorption (K value) % or mg/m3

Characteristics

- Length: 440 mm
- Width: 370 mm
- Height: 270 mm
- Weight: 30 kg
- Current supply: 12 V

Comment

Independent, high-precision instrument. Alphanumeric display with continuous text display to facilitate the work of the operator.

Options

- Incorporated printer: part number 1 687 023 078
- Engine speed sensor: part number 1 687 001 274
- Temperature sensor: part numbers 1 687 001 276 and 1 687 001 042
- Mobile tester trolley: part number 9 685 161 400
- Power unit: part number 1687 022 262

Reference

0 684 102 010

Agreement

93.149

Guarantee

1 year parts and labour

Price

Price list page 7

- Central processing unit: part number 9 685 160 987



SERVICE
INFO

BOSCH Injector test pump

Device for inspecting the pressure settings of the injector nozzles.

Description

The device comprises:

- A manually operated pump
- A container with filter and cover
- A housing on which a measuring pressure gauge is secured
- A baseplate for securing the device to a workbench

Characteristics

- Weight: 4 kg
- Max. test pressure: from 0 to 400 bar
- Graduation: 0 up to 5500 PSI (graduation: step by 100 PSI)

Comment

Device required for checking that the injection nozzles are operating correctly.

Reference

0 681 200 502

Agreement

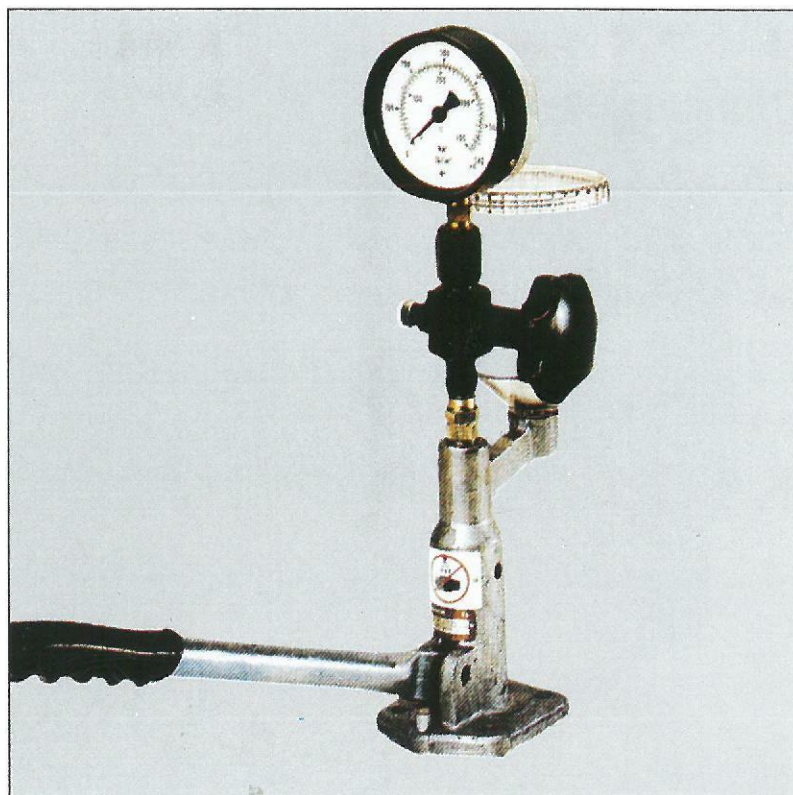
93.144

Guarantee

1 year parts and labour

Price

Price list page 7



BOSCH Injector spray extractor

Device for extracting test oil fumes.

Description

- Extraction of pulverized fuel is performed with a vacuum
- The (adjustable) vacuum is generated by a pneumatic pump, this pump condenses the oil vapour near a filter
- A ring lamp provides an accurate means of examining the pulverization of the jet (constituting a very valuable aid to diagnosis work)
- The device can be inclined forwards to provide a better means of observing the pulverization chamber
- An oil level indicator displays when the oil collection container needs to be emptied

Characteristics

- Length: 460 mm
- Width: 500 mm
- Height: 350 mm
- Weight: 15.5 kg
- Mains connection: 220 V 50 Hz
- compressed air connection: maximal 7 bars

Comment

This unit provides a means of visualizing perfectly the form of the jet emerging from the injection nozzle. Satisfies safety at work legislation.

Reference

0 684 200 702

Agreement

93.145

Guarantee

1 year parts and labour

Price

Price list page 7



SERVICE
INFO

FACOM Electric soldering iron

Device for desoldering and soldering tin.

Description

- High-efficiency soldering iron with substantial thermal inertia
- Supplied with standard angled tip
- 3-core lead; neoprene sheath

Other version:

- "Instant heat" 100 W/220 V soldering iron: ref. 848.B100

Characteristics

- Length: 360 mm
- Weight: 1.041 kg
- Power rating: 300 W
- Power supply voltage: 220 V
- Max. tip temperature: 500°C
- Length of supply lead: 1.2 m

Comment

Sturdy tools designed for optimum accessibility of electrical or other types of equipment.

Reference

847A.300

Agreement

93.184

Guarantee

1 year parts and labour

Price

Price list page 7



BENNING battery charger for electric vehicles

Unit allowing battery charging.

Description

- Type Belatron Select presented in beige coloured cabinet S22 (RAL 7032)
- Charger for maintenance free battery with buffering load data
- For 84 element lead batteries (168 V) and auxiliary power supply 12 V
- Mains cables 3 m, bared wire, and battery cable 10 m enclosure 16mm with black connector REMA 250 with handle and auxiliaries contacts
- Delivery on wood paddle and cardboard packing and polystyrene corner
- Programmed charge curve

Other version:

96 V: ref. 96-12 E 25 BSEL 92

Characteristics

- Width: 553 mm
- Depth: 410 mm
- Height: 1093 mm
- Net weight: 130 kg
- Gross weight: 140 kg
- Mains supply: 400 V tri
- Segment nominal force: 15 A
- Load nominal force: 30 A (for 168 V) and 3 A (for 12 V)
- Protection advice: bipolar circuit breaker D25 or fuse AN
- REMA connector accepts cables up to 50 mm
- Cable rating must be of nominal voltage of 300 V or more

Comment

Strong, reliable unit created for electric vehicle. Agreement batteries manufacturer (Fabrication ISO 9001).

Reference

168-12 D 30 BSEL 93

Agreement

93.075

Guarantee

1 year parts and labour

Price

Price list page 7



FACOM Electric vehicle tool kit

Insulated tools for work on electrical equipment in vehicles or other.

Description

5-drawer 2184.VSE case containing 42 insulated tools for work where potential voltage does not exceed 1,000 V:

- 2 Pozidriv screwdrivers, Nos. 1 and 2
- 2 Phillips screwdrivers, Nos. 1 and 2
- 6 screwdrivers for slotted heads
- Tester
- Rubber mat
- Pair of gloves
- 10 open-end wrenches
- 3 hexagon keys
- 3 box wrenches
- Set of multigrip pliers
- Set of flat-nose pliers
- Set of round-nose pliers
- Cutter
- Wire stripper
- Set of half-round nose pliers
- Set of combination pliers
- Diagonal cutter for copper
- 2 cable-cutters, 14 and 32 mm
- Plastic folding rule
- Knife
- Adheres to standard CEI 900

Characteristics

- Length of case: 430 mm
- Width: 230 mm
- Height: 350 mm
- Weight: 17.644 kg

Comment

Insulated tools for jobs in electrical environments where potential voltage does not exceed 1,000 V.

Reference

2184.VSE

Agreement

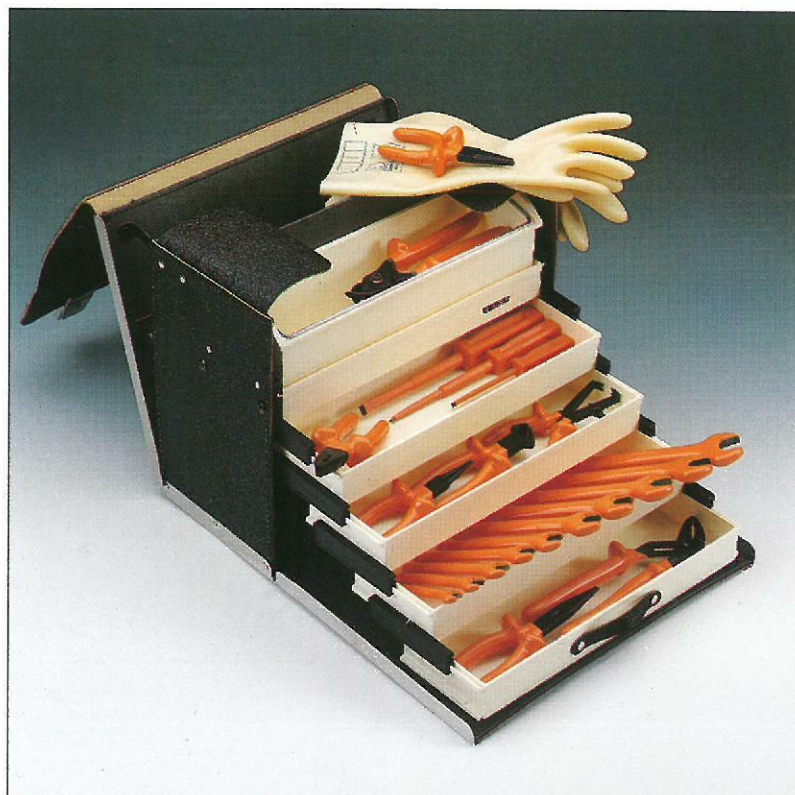
93.183

Guarantee

Life-time

Price

Price list page 7



FOG Vacuum and gravity oil drainer

Mobile equipment permitting a gravity or suction operated oil change.

Description

- Polyester trolley including a tank, equipped with 2 fixed wheels, 2 swivelling wheels, a telescopic funnel for gravity oil changing and a pneumatic pump for suction oil changing
- A tool-holder device
- An adjustable pressure-reducer
- Tank filling level visible through a translucent vertical band
- Tank emptying towards a drum by means of the device's pneumatic pump
- Supplied with 3 flexible probes, 5, 6, 8 mm diameters as well as a special 12 mm diameter connector

Characteristics

- Overall length: 735 mm
- Overall width: 525 mm
- Funnel height: 1035 to 1590 mm
- Tank capacity: 70 l
- Weight: 46 kg
- Input air pressure: 4 bars minimum
- Maximum depression: 760 mm of mercury

Comment

Polyvalent device for oil collection at any location in the workshop.

Options

Flexible spare probe:

- 5 mm diameter: ref. 326 8055
- 6 mm diameter: ref. 326 8056
- 8 mm diameter: ref. 326 8058

Spare connector:

- 12 mm diameter: ref. 326 8060

Reference

326 9106

Agreement

93.218

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

ALFA Vacuum and gravity oil drainer

Mobile equipment permitting a gravity or suction operated oil change.

Description

- 115 l mobile reservoir equipped with an external gauge, an emptying hose and a security valve
- A 18 l oil collector vat, placed at a pantograph end permits the use with an elevated or non-elevated vehicle
- A tool-holder
- A product suction hose with a set of probes

Other version:

- Without suction system: ref. 26 115

Characteristics

- Height: 1580 mm
- Diameter: 680 mm
- Weight: 40 kg
- Reservoir: 115 l
- Emptying vat: 18 l
- Emptying pressure: 0,5 bar
- Emptying timing: 4 to 5 mn
- Suction capacity with emptying (70 to 80° oil): 70 to 80 l
- Suction timing with diameter 8 probe: 2 to 2,5 mn

Comment

The sensible pantograph system permits the oil-change with a vehicle at the ground level.

Reference

26.114

Agreement

93.031

Guarantee

1 year parts and labour

Price

Price list page 8



SEEM Vacuum and gravity oil drainer

Mobile equipment permitting a gravity or suction operated oil change.

Description

- Equipment on rollers including one steering roller with lock
- Telescopic funnel for gravity oil change
- Outer level for tank filling
- Driven vacuum generator with automatic regulation to enable permanent connection to compressed-air supply
- There is no extra consumption thanks to automatic air supply cut-off as soon as depression is reached inside the tank
- Tank draining by pressurization
- Control pressure gauge
- Selection gate for engine or tank draining
- Air connection for tank draining
- Air connection for oil suction
- Supplied with:
 - 3-750 mm long flexible rods (5 mm, 6 mm and 8 mm diameter)
 - 2-750 mm long rigid rods (5 mm and 6 mm diameter)
 - 1 swan neck for tank draining

Other versions:

- Electric: ref. VIDECO 270
- Self service: ref. VIDECO 250

Characteristics

- Height: 1000 mm
- Width: 450 mm
- Telescopic collection funnel height: mini 1000 mm, maxi 1500 mm
- Tank capacity: 75 l
- Effective tank capacity: 60 l
- Unladen weight: 30 kg
- Supply air pressure: 8 bars
- Consumption: 250 l/min
- Depression: 650 mbar

Comment

General purpose equipment to collect oil from every workshop post.

Reference

VIDECO 260

Agreement

92.016

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

FOG Gravity oil drainer

Mobile device permitting oil collection at any location in the workshop.

Description

Equipment consisting of:

- Sealed cylindrical tank upon stand equipped with 4 swivelling wheels
- Equipped with a drain tap, a filling level indicator and a telescopic funnel with strainer
- Tank emptying by gravity towards a reservoir, located in the basement or embedded in the ground

Characteristics

- Overall length: 535 mm
- Overall width: 437 mm
- Funnel height: 1040 to 1640 mm
- Capacity: 60 l
- Weight: 28 kg

Comment

Permits oil collection at any location in the workshop.

Reference

356 3000

Agreement

93.217

Guarantee

1 year parts and labour

Price

Price list page 8



FOG Fixed multi-product dispenser

Device permitting oil distribution from a 220 l drum.

Description

Device consisting of:

- A pneumatic pump type P2 5/1 for 220 l drum with air inlet and piping connection hoses
- A roller with a 40 cm long piping connection hose, a distribution hose and a meter-gun with a drop-free nose
- One or several rollers can be extended to form a set

Other versions:

- Grease dispenser from 50 kg drum: ref. 311 9301
- 5 multi product front panel: ref. chart 5

Characteristics

- Pump ratio: 5/1
- Weight: 11 kg
- Air pressure inlet: 5 to 12 bars
- Roller hose length: 10 m
- Hose diameter: 12 x 20 mm
- Weight: 22 kg
- Pressure in commission: 138 bars

Comment

Modifiable installation, the pump can be set close to, or at a distance from, the hose roller.

Option

- Swivelling support for a roller without extension: ref. 670 8068

Reference

311 9201

Agreement

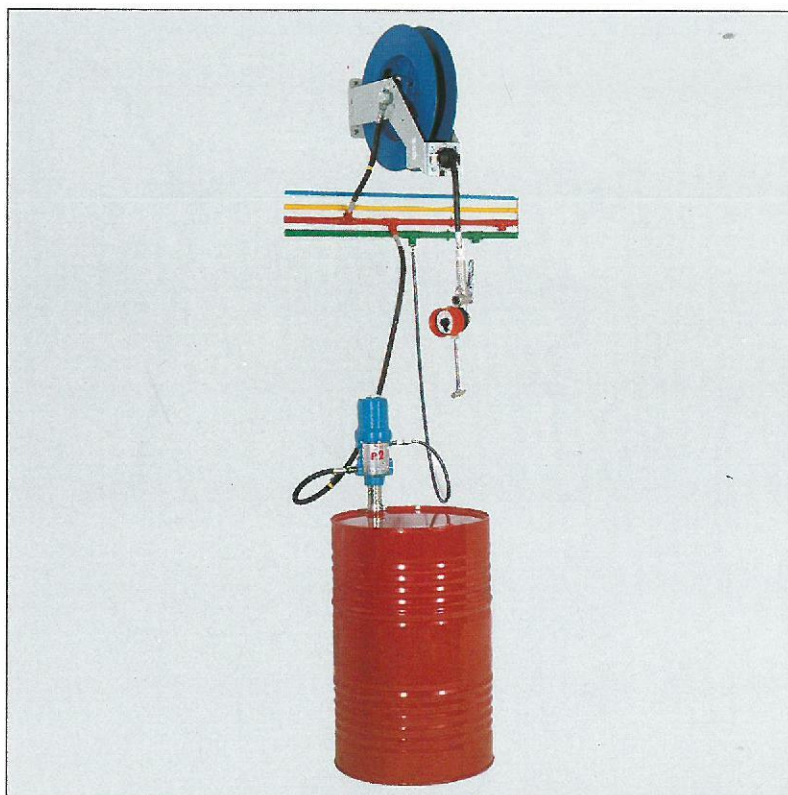
93.222

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

FOG Mobile grease dispenser

Mobile device permitting the distribution of grease from a 60 l drum.

Description

- Stand equipped with 2 wheels and 1 trolley upon which is placed an enclosed 50 kg drum and equipped with a pneumatic pump
- High pressure hose and gun with ferrule for hydraulic greaser
- The gun features a manual over-pressure system

Characteristics

- Length: 640 mm
- Width: 620 mm
- Height: 1180 mm
- Weight: 41 kg
- Air pressure: 5 to 12 bars
- Pump ratio: 45/1
- Hose length 4800 mm
- Possible over-pressure: 1000 bars

Comment

Simple and sturdy equipment.

Option

- Following plate: ref. 341 6270

Reference

332 2460

Agreement

93.225

Guarantee

1 year parts and labour

Price

Price list page 8



FOG Mobile oil dispenser

Mobile device permitting the distribution of oil from a 60 l drum.

Description

Fully covered unit consisting of:

- A stand equipped with 2 wheels and 1 trolley supporting a 60 l drum
- A cover equipped with a pneumatic pump
- A high pressure hose
- A meter gun with drip-free nozzle

Characteristics

- Length: 640 mm
- Width: 620 mm
- Height: 1180 mm
- Weight: 41 kg
- Air pressure: 6 to 12 bars
- Pump ratio: 5/1
- Hose length: 4800 mm

Comment

Essential equipment for dispensing engine or gearbox oil and for topping-up.

Reference

332 6460

Agreement

93.233

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

FOG Mobile oil dispenser and drainer

Mobile unit permitting the distribution of 2 quality oils as well as used oil collection.

Description

Set consisting of:

- 1 mobile trolley with a 4 wheel carriage, 2 of which are able to swivel and are equipped with brakes
- 2 units for oil dispensing, each consisting of:
 - a pneumatic pump PF2 3/1 for 60 l drum
 - a hose
 - an analogue meter gun with drip-free nozzle
- 1 oil collector consisting of a sealed 60 l cylindrical tank, equipped with a drain tap as well as a filling level indicator and a telescopic funnel with strainer
- Tank emptying by gravity towards a reservoir located in the basement or embedded in the ground

Characteristics

- Length: 1170 mm
- Width: 760 mm
- Height: 1560 mm
- Weight: 90 kg
- Air pressure input: 4 to 12 bars

Comment

One single unit for 3 functions. Good mobility and quick commissioning.

Reference

332 9601

Agreement

93.226

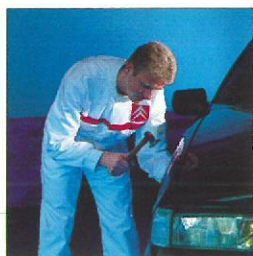
Guarantee

1 year parts and labour

Price

Price list page 8





3.1 GENERAL EQUIPMENT / TOOLING

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VARIOUS

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FEIN Windscreen seal cutter

A tool for cutting out bonded windscreens and body panels.

Description

Special cutter ASTLXE 638 in metal toolcase, includes:

- Whetstone and wrench
- Power output and cutting speed electronically controlled
- Air vents at rear of tool guarantee free air flow

Optional accessories:

- Cutter blades 639 03:
 - (pack of 2 blades)
 - AX: 080 014 or 076 016 or 079 012
 - BX: 073 011 and 076 016
 - BX BK: 080 014 or 076 016
 - XM: 125 017 and 076 016 or 079 012 and 126 010 + 124 013
 - ZX: 079 012 and 125 017 + 084 018
 - XANTIA: 079 012 and 126 010 + 125 017
 - C 25: 125 017 and 103 017
- Scraper blades, for use on all models 639 03:
 - 113 022
 - 129 016
 - 146 018
- Saw blades:
 - 63 mm dia: ref. 6 35 02 102 01 (2 per pack)
 - 80 mm dia: ref. 6 35 02 103 01 (2 per pack)

Characteristics

Technical Data:

- Length: 254 mm
- Weight: 1,5 kg
- Voltage: 110 or 240 V
- Blade oscillations: 9000 - 22000 p.min
- Power input: 400 W
- Power output: 230 W

Comment

*Handy, labour-saving
windscreen removal tool.
Impressive safety
features. Cold cutting
action, prevents
poisonous fumes which
could constitute health
hazard.*

Reference

7 236 19 11 23 6

Agreement

93.019

Guarantee

6 months parts and labour

Price

Price list page 8



FACOM Hot air gun

Tools for heating plastic or other types of material.

Description

- E.2005 heat gun supplied with 2 nozzles:
 - Distribution nozzle: ref. E.2002B1
 - Reflector nozzle for cable shrink-sealing: ref. E.2002B3
- Electronic temperature control from 60 to 600°C
- Air flow rate: 2 speeds: 300 and 500 litres/minute
- VDE-approved

Characteristics

- Length: 330 mm
- Width: 80 mm
- Thickness: 72 mm
- Weight: 1.075 kg
- Power rating: 2,000 W
- Power supply: 220 V, 50 Hz

Comment

Device for cleaning soundproofing before straightening. Possibility of applying a tin surface coat. Assists removal of bonded components and body mouldings.

Options

- Cross-flow nozzle: ref. E.2002B2
- Concentrator nozzle: ref. E.2002B4

Reference

E.2005

Agreement

93.182

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

FEIN Rechargeable drill

Cordless power tool for drilling, fastening and tapping.

Description

FEIN screwdriver/drill DSske 315, "Accu-drive screwdriver 4".

Price includes:

- battery, charger, drill chuck
- Simple clutch mechanism with 5 externally adjustable steps
- Torque can be additionally influenced by operator pressure
- Synchronized 2-stage planetary gears
- Optimal working speeds for screwdriving operations and small-diameter drilling
- Quick and keyless chuck change
- Variable electronic speed control
- Standardized FEIN tool change system ensuring optimal centering and power transmission
- Switch lock to prevent accidental gear change during operation
- 2 alternative battery positions to suit best working condition

Optional accessories, to be ordered separately:

- replac. battery charger:
ref. 9 26 04 009 01 2 (110 V)
- replac. battery charge:
ref. 9 26 04 022 02 1 (240 V)
- replacement battery:
ref. 9 26 04 007 02 6

Characteristics

- Net weight: 1,55 kg
- Voltage: 9,6 V
- Power input: 150 W
- Speeds, no load, 1st stage:
0 - 320 r.p.m
- Speeds, no load, 2st stage:
0 - 2.200 r.p.m
- Tightening torque: 10 N/m
- Screwdriving capacities:
 - wood screws 6 mm
 - metal screws M6, self tapping, 4,2 mm
- Drilling capacities:
 - steel 8 mm
 - aluminium 10 mm
 - wood 12 mm
- Thread-tapping capacity: M6
- Tool holder: 7 mm round receiver acc. to DIN 3126-H7

Comment

Handy, reliable and versatile tool.

Option

- Plastic toolcase:
ref. 3 39 01 065 00 7

Reference

7 110 27 11 23 3

Agreement

93.125

Guarantee

6 months parts and labour

Price

Price list page 8



FEIN Electric jigsaw

Tool suitable for cutting all metals, wood and laminates.

Description

Electric Jigsaw AStc 638, including:

- Pack of 5 saw blades and base plate with anti-chipping protector
- Well balanced, giving smooth and exact cut
- Easy and quick saw-blade change
- Removable handle with built-in hex.wrench
- Extended cutting range: base plate turns 180 for cutting into awkward areas
- Built-in dust extraction connector can be adjusted to keep cutting area free from saw dust

Optional accessories:

- Metal toolcase:
ref. 3 39 01 067 01 3
- Elongated baseplate:
ref. 3 27 14 084 00 8
- Pack of 5 chip protectors:
ref. 3 14 28 102 01 6

Characteristics

- Weight: 2,2 kg
- Voltage: 110 or 240 V
- Power input: 450 W
- Power output: 255 W
- Stroke rate: 1.050-2.600 strokes p.min
- Stroke of blade: 20 mm
- Cable with plug: 5 m
- Max. cutting capacity:
 - mild steel 10 mm
 - stainless steel 3 mm
 - plywood 50 mm
 - glass fibre 10 mm

Comment

Compact and handy power tool. Distortion-free cutting of any material.

Reference

7 234 15 11 23 8

Agreement

93.126

Guarantee

6 months parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Reversible drill

Pneumatic tool that can be used for drilling, screwing and unscrewing.

Description

- Progressive trigger action
- The drill is supplied with a key operated chuck

Other versions:

- With angle drive: ref. 3412-2
- Capacity 13 mm: ref. 3414
- Intensive use (non reversible): ref. 3410-2

Characteristics

- Overall length: 185 mm
- Capacity: 10 mm
- Weight: 1,1 kg
- Supply pressure 6/7 bars
- Speed: 1800 rpm
- Compressed air consumption: 0,1 m³/min

Comment

Ergonomically designed drill fitted with a reversing lever.

Options

- Set of 5 reversible HSS drills.
 - diameter 3 mm: ref. 312303-5
 - diameter 4 mm: ref. 312304-5
 - diameter 5 mm: ref. 312304-5
 - diameter 6 mm: ref. 312304-5
- Taper hole cutter (9 x 30): ref. 312830
- Adaptable lubricator: ref. 313599

Reference

3409

Agreement

93.038

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Mini angle grinder

Pneumatic tool that can be used for all grinding, disc sanding, milling and length cutting operations.

Description

- This tool can be used for all disc sanding, milling, grinding and length cutting operations with accessories with a 6 mm diameter shank

Other version:

- Disc sanding kit supplied in a case ref. 3336-200 including:
 - Mini grinder
 - Assortment of abrasives

Characteristics

- Length: 127 mm
- Height: 72 mm
- Weight: 0,5 kg
- Air supply pressure: 6 bars
- Speed: 20.000 rpm
- Consumption: 0,20 m3/mn

Comment

Compact multi-purpose lightweight tool for work to which access is difficult.

Options

- Adaptable lubricator: ref. 313599
- Protective goggles: ref. 308970

Reference

3336-2

Agreement

93.048

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

WIELANDER and SCHILL

Spot weld cutter

Compressed-air tool for milling and removing spot weld points.

Description

- VARIO DRILL WS 90 spot weld remover, supplied in a case with one drill bit and one hexagon socket screw
- VARIO MATIC can make a 360° turn around the machine
- Adjustable drilling depth
- VARIO MATIC for removing outer spot welds without drilling the second sheet
- VARIO MATIC for removing inner tack welds without drilling the second sheet

Characteristics

- Case length: 230 mm
- Case breadth: 230 mm
- Case height: 50 mm
- Weight: 1,8 kg
- Air supply pressure: 6 to 8 bars
- Drill bit diameter: 8 mm

Comment

The Vario Drill is easy to use and quickly dismantled. One can remove inner as well as outer spot weld points.

Options

- Single drill bit: ref. 5099004040
- 5-drill bit kit: ref. 5099004545

Reference

5099004010

Agreement

92.025

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Spot weld cutter

Pneumatic tool for cutting out and removing spot welds.

Description

- Spot weld remover supplied with one cutter
- The power and the quality of the cutter avoid the need to clamp the panelling
- The gradual increase in the depth of cut, into the spot weld, provides for a degree of accuracy that avoids damaging the support panelling
- Additional regulator

Characteristics

- Length: 250 mm
- Diameter of motor casing: 42 mm
- Diameter of cutter: 8,2 mm
- Weight: 1,5 kg
- Air supply pressure: 6 bars
- Speed: 2000 rpm
- Consumption: 0,28 m3/min

Comment

Flexibility and ease of use make this the optimum spot weld remover.

Options

- Adaptable lubricator: ref. 313599
- Protective goggles: ref. 308970

Reference

3437

Agreement

93.036

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

SIG Power saw

Pneumatic tool for cutting sheet steel and other materials.

Description

- Supplied in a case with 5 32-tooth blades
- Anti-vibration handle with a patented motor oscillation dampening system
- Control trigger with safety lock
- Finger guard
- Specially coated body
- Integrated exhaust silencer
- Measure as per DIN 45 635 standard and EC recommendations

Characteristics

- Length: 230 mm
- Breadth: 50 mm
- Weight: 0,45 kg
- Operating pressure: 6 to 8 bars
- Air consumption: 0,2 cu. metres at 6 bars
- Stroke rate: 12000 per minute
- Stroke frequency: 200 Hz
- Stroke: 8 mm

Comment

Easy to use, for accurate cutting without burrs or deformation.

Options

Spare blades:

- 32 teeth: ref. 5099001153
- 24 teeth: ref. 5099001152
- 18 teeth: ref. 5099001151
- 14 teeth: ref. 5099001150

Reference

5099001200

Agreement

92.027

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Power saw

Pneumatic tool for cutting sheet steel and other materials.

Description

Hacksaw supplied with:

- Silencer for rear and exhaust
- One blade: ref. 3432-913
- One blade: ref. 3432-190
- One connecting hose
- One set of wrenches
- Integral speed regulator

This can be used for cutting, accurately, sheet steel up to 2 mm thick, soft materials, plastics and composites without distortion

Characteristics

- Length: 240 mm
- Weight: 0,5 kg
- Blade travel: 10 mm
- Supply pressure: 6 bars
- Cutting speed: 13000 strokes/min
- Consumption: 0,28 m3/min

Comment

Powerful, robust, easily handled, quiet tool. Maximum operating safety.

Options

- Blades:
 - 10 teeth/cm for soft materials: ref. 3132-910
 - 13 teeth/cm for thin panelling: ref. 3432-913
- Diamond tipped blade for all plastics and composites: ref. 3432-920
- Adaptable lubricator: ref. 313599

Reference

3432

Agreement

93.025

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Windscreen seal cutter

Pneumatic tool for cutting bonded, rubber and synthetic seals.

Description

- Body made from light alloy, with handle
- Control trigger with safety system
- Integral speed regulator
- Integral silencer and supply duct
- Cutter delivered complete with a straight blade

Accessories to be ordered separately:

- Straight blade: ref. 3434-901
- "U" section blade:
 - Length 16 mm: ref. 3434-908
 - Length 20 mm: ref. 3434-907
 - Length 26 mm: ref. 3434-903
 - Length 37 mm: ref. 3434-906
 - Length 60 mm: ref. 3434-905
 - Length 90 mm: ref. 3434-904
- Straight shouldered blade: ref. 3434-910
- Curved blade length 35 mm: ref. 3434-940
- Stripping blade: ref. 3434-950
- Blades with stops at:
 - 16 mm: ref. 3434-916
 - 19 mm: ref. 3434-919
 - 22 mm: ref. 3434-922
 - 25 mm: ref. 3434-925
 - 27 mm: ref. 3434-927
- Saw blade diameter 75-180 teeth: ref. 3434-960

Characteristics

- Length: 200 mm
- Weight: 1 kg
- Supply pressure: 6/7 bars
- Consumption: 0.1 m³/min
- Cutting rate: 1000 to 20000 strokes/min

Comment

Easily handled, quiet cutter providing maximum operating safety. It can also be used for cutting thin panelling.

Option

- Adaptable lubricator: ref. 313599

Reference

3434-2

Agreement

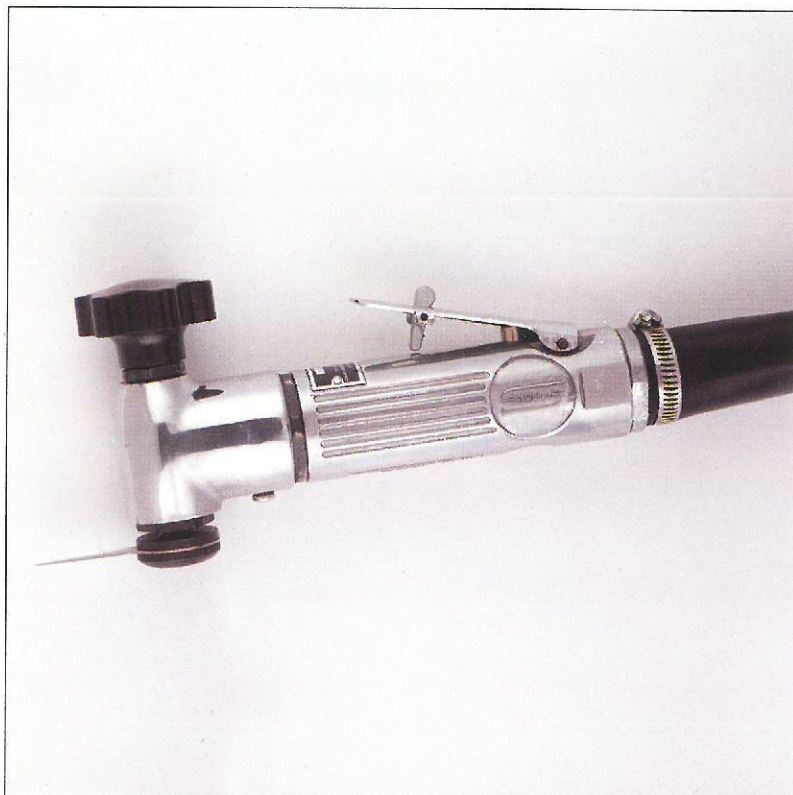
93.053

Guarantee

1 year parts and labour

Price

Price list page 8



INTAIRCO Orbital sander

Pneumatic vibrating sander with dust extraction.

Description

- PA004 sander, complete with perforated plate
- Can be used on all dust extraction systems
- Coaxial hoses supplied separately

Other versions:

- Rectangular electrical sander 210 x 115: ref. PA0085
- Rectangular sander 400 x 70: ref. PA007

Characteristics

- Length of the shoe: 210 mm
- Width of the shoe: 115 mm
- Weight: 2,4 kg
- Supply pressure: 5/6 bars
- Rotating speed: 8000 to 10000 rpm
- Consumption: 13 m³/h
- Orbit diameter: 4 mm
- Sound measurement: - 80 db

Comment

Reliable, silent and ergonomic tool.

Options

- Coaxial air-dust hose:
 - Length 3,5 m: ref. TA003
 - Length 5 m: ref. TA001
 - Length 8 m: ref. TA002

Reference

PA004

Agreement

93.151

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Orbital sander

Pneumatic vibrating sander with dust extraction.

Description

- Rectangular pad type sander specially designed for all dust extraction systems (dust extraction trolley etc.)
- The air input and the exhaust/dust pipes are contained in a coaxial sleeve
- Integral speed regulator
- The sander is supplied with an abrasive piercer

Other versions:

- Independent extraction: ref. 3240
- Non extracting type: ref. 3200-2

Characteristics

- Length of pad: 175 mm
- Width of pad: 90 mm
- Weight: 1,8 kg
- Supply pressure: 5/6 bars
- Speed: 7000 rpm
- Consumption: 0,4 m³/mn
- Orbital eccentricity: 5 mm

Comment

Easily handled tool. Its rubber protector makes it quiet and comfortable to use.

Options

- Packet of 100 abrasive sheets:
 - grain 80: ref. 311973-080
 - grain 120: ref. 311973-120
 - grain 240: ref. 311973-240
- Adaptable lubricator: ref. 313599

Reference

3237

Agreement

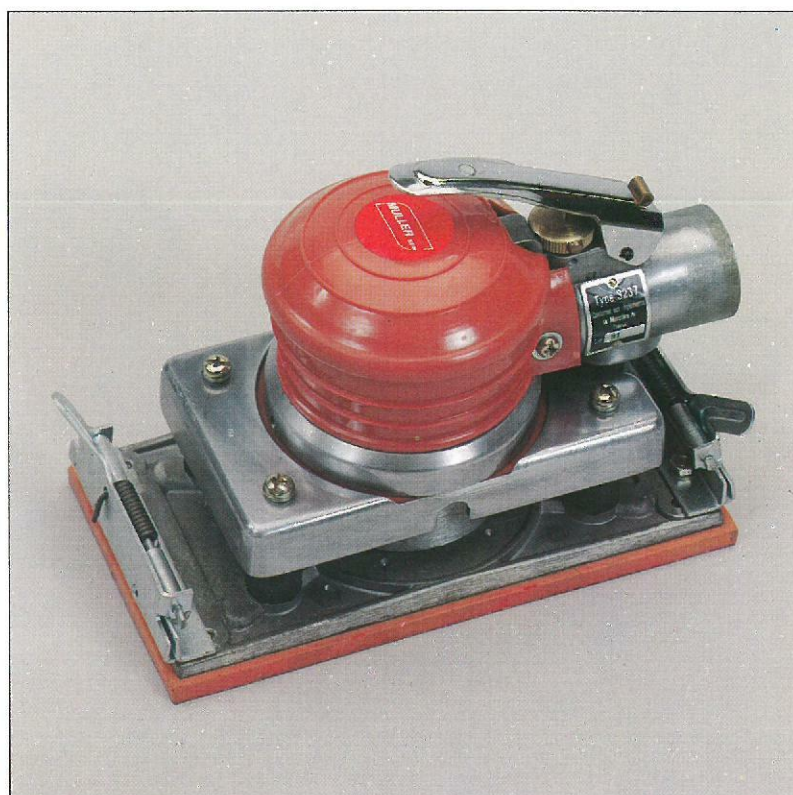
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Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Riveter

Hydropneumatic tool for the fitting of rivets 2,4 to 6,4 mm in diameter.

Description

The riveter is supplied in a case:

- 6 end fittings of different diameters 2,4; 3,2; 3,9; 4,7; 5,5; 6,3
- 4 sets of 2 jaws each
- 1 set of 2 return springs
- 1 set of 2 plungers
- 1 set of 2 guides
- 1 set of 2 wrenches
- 1 safety casing with assembly ring

Characteristics

- Weight: 2 kg
- Supply pressure: 5/6 bars
- Consumption: 1,45 l/rivet
- Thickness per movement: 16 mm

Comment

Powerful, easily handled riveter for fitting blind rivets.

Option

- Adaptable lubricator: ref. 313599

Reference

3445-2

Agreement

93.035

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Air wrench - 1 1/2" drive

*Pneumatic tool with adjustable power ratings for
loosening and tightening fastenings.*

Description

Impact wrench supplied in basic form:

- Reversing gear combined with the regulator so that:
 - Maximum power is always available for loosening fastenings (40 m/kg)
 - The tightening torque is automatically limited (to 10, 20 or 30 m/kg)
- The extra long spindle provides improved access to enclosed wheel rims
- Suspension hook
- The exhaust points downwards to avoid dust being projected
- The hammer casing is made from steel

Accessories to be ordered separately:

- Adaptor F 1/2", M 3/4": ref. 17376
- 150mm extension: ref. 17380
- Universal joint: ref. 17386

Characteristics

- Overall length: 250 mm
- Weight: 2,75 kg
- Supply pressure: 17 bars
- Offload speed: 8000 rpm
- Consumption: 0,15 m³/mn
- Tightening torques at 7 bars:
 - position "1" = 10 m/kg
 - position "2" = 20 m/kg
 - position "3" = 30 m/kg
- Loosening torque: 40 m/kg

Comment

Tool designed for the quick removal and refitting of wheels and other screwing and unscrewing operations.
WARNING: use a TORQUE WRENCH for the final tightening operation.

Options

- Supplied in a case with standard impact sockets (13, 14, 17, 19, 21, 22, 23, 24 mm across flats): ref. 3023-100
- Supplied with a reversible 17/19 mm socket: ref. 3023-400
- Adaptable lubricator: ref. 313599

Reference

3023

Agreement

93.029

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Articulated ratchet drive air wrench

Pneumatic tool for screwing and unscrewing operations in positions where access is difficult.

Description

- Body made from light alloy
- Accessories to be ordered separately:
 - 150 mm extension: ref. 17380
 - Universal joint: ref. 17386
- Case with 5/16 inch end fittings and end fitting holder:
 - for slotted and Phillips cruciform screws: ref. 106200-100
 - for hexagon socket screws: ref. 106200-200
 - for "XZN" screws: ref. 106200-300
 - for "Torx" screws: ref. 106200-400
- Case containing 5/16 inch end fittings for all types of screw: ref. 106200-500

Other version:

- Supplied in a case with a 150mm extension and 10 sockets 10, 11, 13, 14, 17, 19, 21, 22, 23, and 24 mm: ref. 3004-100

Characteristics

- Height of head: 45 mm
- Length: 265 mm
- Head clearance radius: 20 mm
- Supply pressure: 6 bars
- Offload speed: 150 rpm
- Consumption: 0,10 m³/mn
- Maximum angle of articulation: 30 degrees
- Tightening torque: 6 mkg
- Size of drive square: 1/2 inch

Comment

Compact, easily handled tool.

Option

- Adaptable lubricator: ref. 313599

Reference

3004

Agreement

93.052

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Mini disc sander

Pneumatic mini disc sander that can be used for all types of stripping, grinding and deburring work.

Description

- Disc sander supplied with a fibre backing disc diameter 115 mm for flexible fibre abrasive discs diameter 125 mm
- Integral speed regulator
- Accessories to be ordered separately
- Flexible fibre abrasive discs diameter 125 mm:
 - grain 36: ref. 311683-036
 - grain 80: ref. 311683-080
- Ventilated semi flexible backing disc diameter 100 mm bore 22.2 mm: ref. 311576
- Ventilated semi flexible abrasive discs diameter 125 mm
 - grain 36: ref. 311683-036
 - grain 80: ref. 311683-080
- Semi flexible corundum abrasive disc diameter 125 mm ref. 311678-036

Characteristics

- Diameter of disc: 125 mm
- Overall height: 125 mm
- Weight: 1,3 kg
- Supply pressure: 6/7 bars
- Speed: 12000 rpm
- Consumption: 0,17 M3/mn

Comment

Very easily handled tool for working body mastic, polyester and other materials.

Options

- Kit in metal case: ref. 3341-100 containing:
 - 1 backing disc with an assortment of flexible fibre abrasive discs
 - 1 semi-flexible ventilated backing disc with abrasive discs (grain 36 and 80)
- Adaptable lubricator: ref. 313599

Reference

3341

Agreement

93.023

Guarantee

1 year parts and labour

Price

Price list page 8



INTAIRCO Rotary extracting sander

Pneumatic tool for all sanding with dust extraction facility.

Description

- Sander PA001 with cast aluminium body
 - Hard-chromed motors, no lubrication
 - Self-adhesive base plate with 5 holes
 - Quick connect coupling on compressed air inlet
 - Silent
- Separate accessories:
- Coaxial air/dust hose with quick connect couplings:
 - Length 3,5 m: ref. TA003
 - Length 5 m: ref. TA001
 - Length 8 m: ref. TA002

Other versions:

- Orbital sander with self-gripping base plate: ref. PA001V
- Special orbital high-output sander: ref. PA08FV
- Orbital sander 200 mm: ref. PA200V
- Electrical orbital sander 150 mm: ref. PA005

Characteristics

- Diameter of perforated base plate: 150 mm
- Weight: 1,8 kg
- Supply pressure: 5-6 bars
- Rotating speed: 10000 rpm
- Air consumption: 14 m³/h
- Orbit diameter: 8 mm
- Noise level: -80 db
- Hose diameter: 29 mm

Comment

Suitable for all preparatory work for painting under good working conditions.

Options

- Self-adhesive perforated base plate diameter 150 mm: ref. PA910, PA912, PA914, PA921, PA930
- Self gripping perforated base plate diameter 150 mm: ref. PA911, PA913, PA915, PA920, PA922, PA931
- Special base plate PA08FV diameter 150 mm: ref. PA923, PA924, PA925, PA926

Reference

PA001

Agreement

93.155

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Rotary extracting sander

Pneumatic tool for all sanding with dust extraction facility.

Description

- Rotary orbital sander supplied in basic form
- Suitable for all types of dust extraction systems (mobile extractor etc)
- A rubber protective casing optimises the dust extraction operation
- The supply and exhaust/dust extraction pipes are contained in a coaxial sleeve
- Integral speed regulator
- Accessories to be ordered separately:
 - Foam pad: ref. 311902
 - Packet of 50 abrasives ref. 311902-040 etc
 - Pierced abrasive sheet: ref. 311909
 - Foam pad
 - Packet of 50 abrasives ref. 311903-040 etc

Other version:

- Non extractor type: ref. 3350-2

Characteristics

- Diameter of pad: 150 mm
- Weight: 1,6 kg
- Supply pressure: 6 bars
- Speed: 1000 rpm
- Consumption: 0,4 m³/mn
- Orbital eccentricity: 7 mm

Comment

Tool suitable for all pre-painting preparation work providing good working conditions.

Options

- Supplied with a standard 6 hole pad for self-adhesive abrasives: ref. 3231-902
- Supplied with a standard 6 hole pad for self-retaining abrasives: ref. 3231-903
- Supplied in a metal case with pad 311902 and packets of 50 self-adhesive abrasives grain 40-80, 120-140; kit ref. 3231-100
- Adaptable lubricator: ref. 313599

Reference

3231

Agreement

93.022

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Angle grinder

Pneumatic tool for all grinding and cutting work.

Description

- Trigger with safety system
- Disk protector
- Centrifugal speed governor
- Grinder supplied with a fettling wheel
- Uses offset hub wheels

Characteristics

- Wheel diameter: 125 mm
- Length: 220 mm
- Height with casing: 90 mm
- Weight: 1,8 kg
- Supply pressure: 6/7 bars
- Speed: 12000 rpm
- Consumption: 0,32 m³/mn

Comment

Easily handled, reliable tool.

Options

- Cutting wheel with offset hub: diameter 125 mm, thickness 3,2 mm, bore 22,2 mm: ref. 311273
- Fettling wheel with offset hub: 125 mm, thickness 6,4 mm, bore 22,2 mm: ref. 311276
- Adaptable lubricator: ref. 313599
- Protective goggles: ref. 308970

Reference

3346-2

Agreement

93.039

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Angle polisher

Pneumatic tool for all disc sanding and polishing operations.

Description

- A pneumatic angle disc sander/polisher supplied with a standard 180 mm backing disc
- Integral speed regulator
- Accessories to be ordered separately:
 - Flexible foam backing pad diameter 203 mm: ref. 311920
 - Self adhesive abrasive discs diameter 203 mm
 - grain 40: ref. 311920-040
 - grain 80: ref. 311920-080
 - grain 120: ref. 311920-120
 - Sheepskin bonnet diameter 203 mm: ref. 311948
 - Foam polishing pad: ref. 311941

Other version:

- Low speed: ref. 3360

Characteristics

- Overall length: 317 mm
- Overall height: 100 mm
- Weight: 2,3 kg
- Supply pressure: 6/7 bars
- Speed: 2500 rpm
- Consumption: 0,25 m³/min

Comment

Multi-purpose compact; easily handled and ergonomically designed tool.

Options

- Supplied in a case: ref. 3312-100 with:
 - 1 foam pad
 - 1 sheepskin bonnet
 - 1 set of self-adhesive abrasive discs
- Adaptable lubricator: ref. 313599

Reference

3312-2

Agreement

93.024

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Nibbler

Pneumatic tool used for cutting sheet steel up to 1,5 mm thick.

Description

- Adjustable head
- Swarf ejected upwards
- Integral speed regulator

Characteristics

- Length: 180 mm
- Weight: 1 kg
- Supply pressure: 6/7 bars
- Consumption: 0,11 m³/mn
- Minimum cutting radius: 7 mm
- Punch: 4,5 mm

Comment

Light, easily handled and accurate tool that cuts without distortion or forming a burr.

Option

- Adaptable lubricator: ref. 311599

Reference

3404

Agreement

93.026

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

MULLER BEM Straight grinder

High speed tool for disc sanding, milling, grinding and cutting.

Description

- Pneumatic grinder supplied with a 6 mm tool collet
 - Integral speed governor
- Accessories to be ordered separately:
- Cutting wheel: ref. 311253
 - Fettling wheel: ref. 311259
 - Fixture: ref. 311251
 - Brushes on 6 mm shank
 - Protective goggles: ref. 308970

Other version:

- Low speed (4000 rpm):
ref. 3333-2

Characteristics

- Length: 165 mm
- Diameter of the body: 40 mm
- Weight: 0,6 kg
- Tool collet diameter: 6 mm
- Supply pressure: 6/7 bars
- Speed: 2200 rpm
- Consumption: 0,17 m³/mn

Comment

*Compact, lightweight
multi-purpose tool.*

Options

- Kit supplied in a metal case:
ref. 3331-100 including:
 - 1 cutting wheel
 - 1 fettling wheel
 - 1 fixture
- Kit supplied in a metal case:
ref. 3331-200 including:
 - 5 wheels on standard shanks
 - 2 cutting wheels
 - 1 fixture
- Adaptable lubricator: ref. 313599

Reference

3331-2

Agreement

93.027

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Pneumatic chisel

Pneumatic tool for all chisel work.

Description

Chisel supplied in basic form:

- Progressive operation trigger for controlling the cutting speed
 - Maximum power at any cutting speed
 - Power regulator with 4 self locking levels
 - Integral speed governor
 - Minimum size and weight
- Accessories to be ordered separately:
- Ball type rapid action tool retainer: ref. 310008
 - Rivet cutter: ref. 310050
 - Punch for sheet metal screws: ref. 310053
 - Edge cutter: ref. 310071

Characteristics

- Length: 165 mm
- Retaining sleeve diameter: 10,2 mm
- Weight: 1,3 kg
- Supply pressure: 6/7 bars
- Adjustable strike rate: 1800 to 2300 strikes/mn

Comment

Reliable, easily handled tool for all mechanical and body repair operations. Low noise and vibration level.

Options

- Supplied with 1 chisel end (310073): ref. 3115-10
- Supplied with 3 tools:
 - 1 chisel end (310073)
 - 1 cutter (310076)
 - 1 punch (310078): ref. 3115-30
- Supplied in a metal case with 10 standard tools: ref. 3115-100
- Adaptable lubricator: ref. 313599

Reference

3115

Agreement

93.028

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

FACOM Adjustable clamp set

Tool for placing, assembling and tightening of components.

Description

- Pump-action bar clamp for throat depth of 150 mm
- Precision clamping without rotation
- Hardened bar with edge notches for positive lock
- Ball-joint swivel face
- Paint finish, with zinc-plated bar

Other versions:

- Special "arc welding" G-clamp, capacity 0 to 80 mm: ref. 271.80S
- Bar clamp, capacity 300 mm: ref. 272.300L
- Bar clamp, capacity 400 mm: ref. 272.400
- Bar clamp, capacity 600 mm: ref. 272.600

Characteristics

- Length: 1,140 mm
- Width: 215 mm
- Weight: 5.1 kg

Comment

Tool essential in workshops.

Reference

272.1000L

Agreement

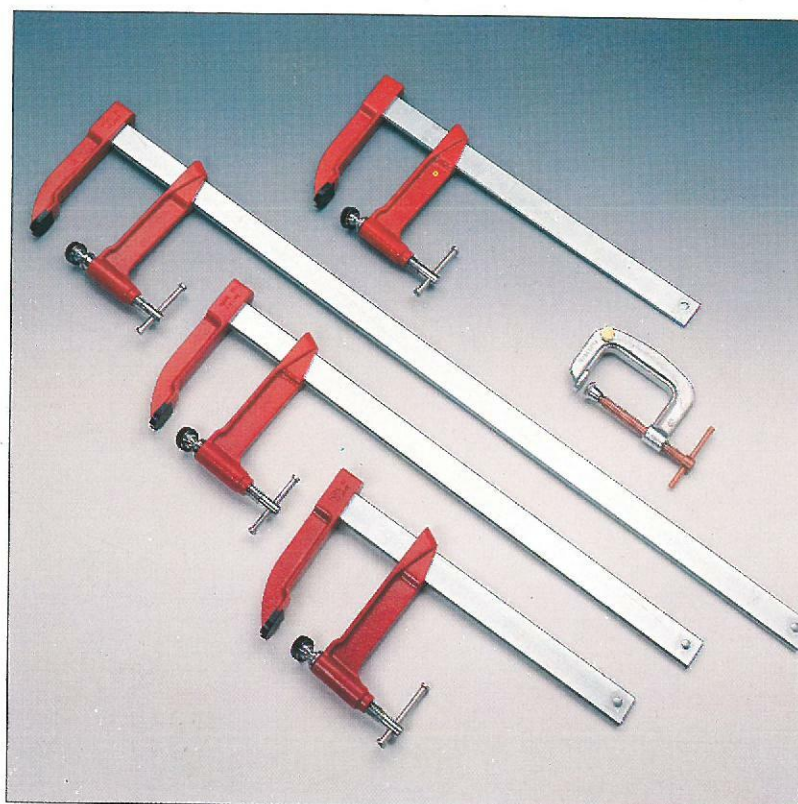
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Guarantee

Life-time

Price

Price list page 8



MULLER BEM Glass suction pads

Tools for the transportation and fitting of windows or windscreens.

Description

Set supplied in a case:

- One pair of double handle mounted suction pads fitted with two swivel heads
- One single suction pad with a handle for flat and curved windows
- One strap with a self-tightening ratchet to maintain the required adhesion pressure
- There is a special slot in each handle through which the strap passes to avoid any possibility of slipping
- Aluminium body and control lever made from attack resistant plastic

Accessories to be ordered separately:

- Single suction pad: ref. 201071
- Double suction pad: ref. 201070-101
- Strap: ref. 201070-110

Characteristics

- Pad diameter: 120 mm
- Length of strap: 4 m
- Maximum sustainable weight: 145 kg

Comment

A set of suction pads and straps to fit various forms of window or windscreen curvature. Using the strap increases the window retention effect to its optimum level.

Reference

201070-200

Agreement

93.047

Guarantee

1 year parts and labour

Price

Price list page 8



SERVICE
INFO

DESVIL Panel stand

Device for raising components to convenient height for repair or painting.

Description

- Mobile support with orientable central crossmember (8 x 45°)
- Handle and 2 fixed wheels for moving
- Holding plate with set of 4 bars and removable stands
- Shelf for the storage of pins

Characteristics

- Length: 1715 mm
- Width: 700 mm
- Height: 1030 mm
- Weight: 45 kg
- Maximum distance between axles to fix the doors: 920 mm
- Locking: 8 positions

Comment

This equipment is essential in a workshop for any job on front or rear door (dismantling, straightening, painting, etc...).

Option

- Set of 2 pins for painting and preparation of spoilers: ref. CAR910

Reference

CAR.900

Agreement

93.128

Guarantee

1 year parts and labour

Price

Price list page 8



MULLER BEM Body clamp kit

Equipment for securing body components in place during assembly or welding.

Description

- Set of 5 clamps supplied with a perforated storage panel (460 x 460)

Characteristics

- Spot welding clamp:
 - Length: 185 mm
 - Opening capacity: 16 mm
 - ref. 105162-11
- Straight swan neck clamp:
 - Length: 190 mm
 - Opening capacity: 22 mm
 - ref. 105162-12
- Double grip clamp
 - Length: 175 mm
 - Opening capacity: 12 mm
 - ref. 105162-13
- Straight grip clamp:
 - Length: 180 mm
 - Opening capacity: 25 mm
 - ref. 105162-14
- Angle profile double grip clamp
 - Length: 200 mm
 - Opening capacity: 15 mm
 - ref. 105162-15

Comment

*Set of clamps specially suited for bodywork.
Parallel clamping jaws.
The clamps are mounted perpendicular to the panelling.*

Option

- Each clamp can be ordered separately

Reference

111092-100

Agreement

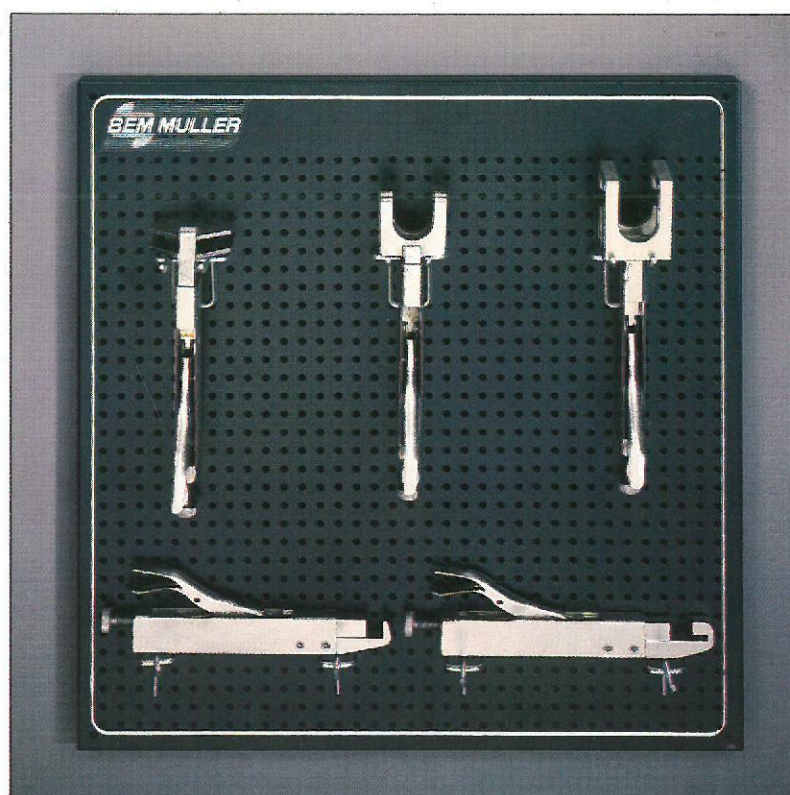
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Guarantee

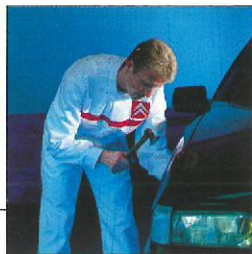
1 year parts and labour

Price

Price list page 8



SERVICE
INFO



3.2 JIGS / BRACKETS / HYDRAULIC EQUIPMENT

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CAR-O-LINER Bodyjig with fittings

Universal system for repair of damaged cars and light commercial vehicles.

Description

- 1 base frame with wheels and support legs
- 1 set adjustable jig mountings with universal clamps
- 1 complete measuring system incl. storage cabinet
- 1 complete set of vehicle data sheets
- 1 draw aligner 10 t capacity, incl. pump and cylinder
- 1 complete pulling support system incl. storage trolley

Characteristics

- Base frame length: 4,06 m
- Base frame width: 0,96 m
- Height without lift: 0,40 m
- Weight of system: 1050 kg
- Draw aligner force: 10 t

Comment

User friendly, flexible system. High repair precision based on rigid frame and accurate measuring. Free data sheets for 2 years from date of purchase.

Options

- Lift: high lifting with 2 t vehicle weight capacity: ref. T5
- Power unit for lift: ref. 1331316221

Reference

MARK 5

Agreement

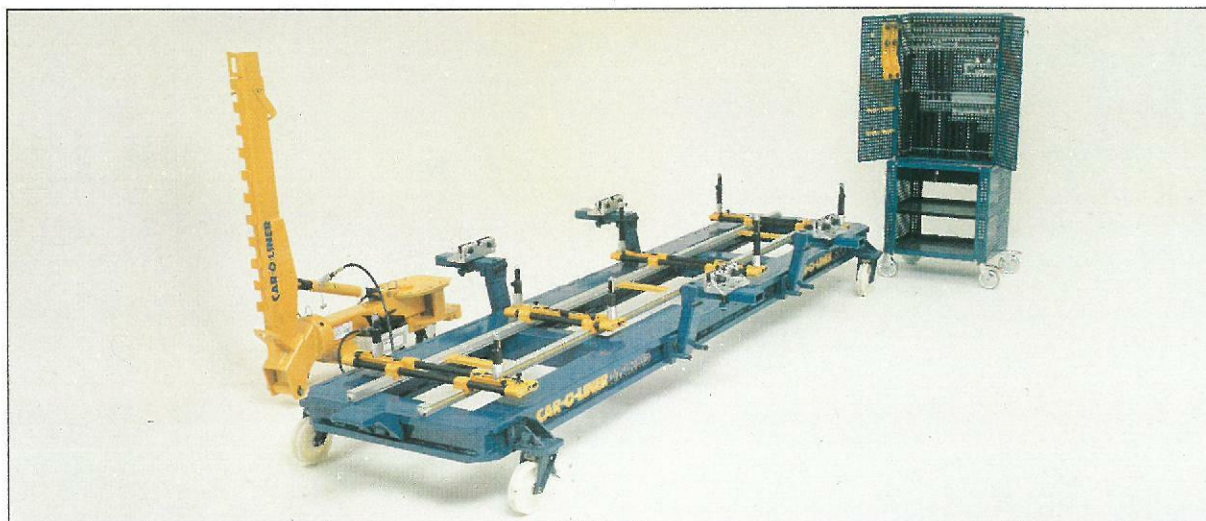
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Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Bodyjig

Universal system for repair of damaged cars and light commercial vehicles.

Description

- Frame of double pattern for measuring system on brackets
- 4 clamps adjustable in height, width and reclining
- Free positioning of clamps
- 4 wheels adjustable in length, 2 with brakes, ensuring the free positioning of the jig

Other version:

- Mobile straightening jig: ref. PB 31

Characteristics

- Length: 4010 mm
- Width with anchoring: 2060 mm
- Height on wheels: 495 mm
- Weight: 580 kg
- Blackhawk modular drillings: distance 850 mm

Comment

Easy to use, ergonomic and multipurpose, very robust.

Options

- Hydro-electric lifting table: ref. STL 101
- Mangusta II straightening system: ref. B 501
- Straightening arm with hydraulic loading: ref. AEK 501
- Clamp for cars CX: ref. 96.609

Reference

UMD 50 FR

Agreement

93.103

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Bodyjig

Universal system for repair of damaged cars and light commercial vehicles.

Description

- SEVENNE jig with quick anchoring peripheral frame
- 4 anchoring clamps with instantaneous locking
- Holding arm
- Modular drilling to fix universal crossmembers for the MZ positive checking

This equipment can also be extended with:

- Universal MZ crossmembers
- Metro 2000 measuring device

Characteristics

- Length: 4,30 m
- Overall width: 1,75 m
- Weight: 700 kg
- Height (on wheels): 0,515 m

Comment

Simple and quick utilisation. The clamps and the pulling unit can slide all around the jig, which improves the working conditions considerably.

Options

- Multi directional pulling unit: ref. SVN 93.201-F
- Lifting unit: ref. XVN 93.01.1
- Pulling beam: ref. ALL 812.1
- Multi-use support: ref. 9121.523
- Extension for pulling unit: ref. 8501.033
- Holding arm: ref. 9105.053

Reference

SVN 93100

Agreement

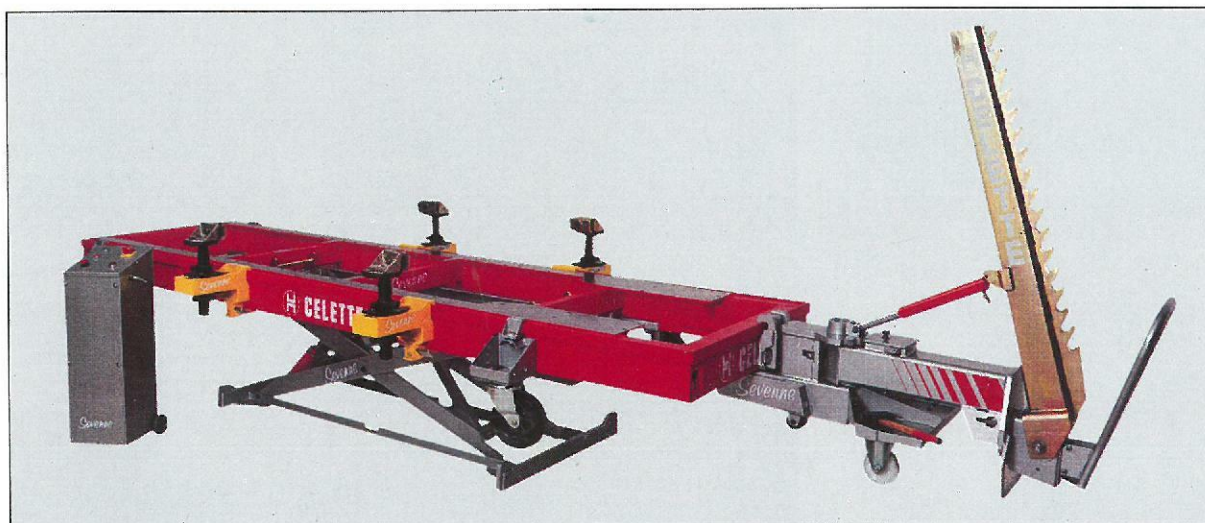
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Guarantee

1 year parts and labour

Price

Price list page 9



CAR-O-LINER Bodyjig

Universal system for repair of damaged cars and light commercial vehicles.

Description

- 1 base frame B11
- 4 adjustable jig mountings B36
- 4 universal clamps B106
- 4 wheels B55
- 4 legs B21

Characteristics

- Base frame length: 4,06 m
- Base frame width: 0,96 m
- Height without lift: 0,40 m
- Weight of system: 450 kg

Comment

Rigid and precision milled, this base frame can fully combine with CAR-O-LINER measuring and pulling equipment. A productive addition to any existing CAR-O-LINER system.

Options

- Draw aligner 10-ton: ref. D16
- Hydraulics (pump and cylinder): ref. D32, D42
- Complete measuring system

Reference

B12

Agreement

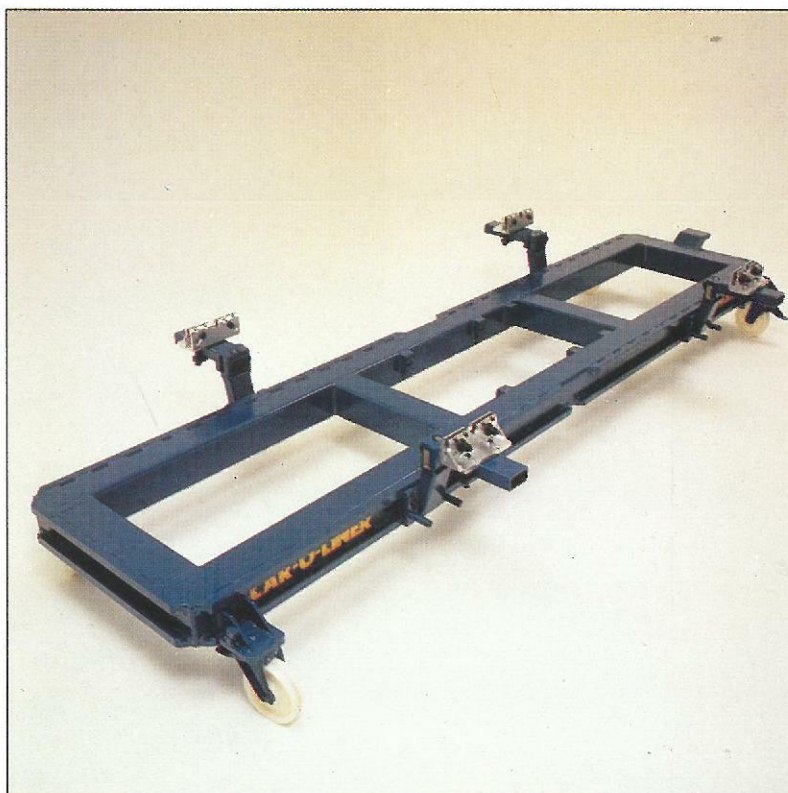
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Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

BLACKHAWK Pulling arm

Puller unit to effect pulls on damaged vehicles.

Description

- 1 horizontal frame
- 1 articulated, vertical arm
- 1 anchor post
- 2 chains
- 1 set of 2 support stands
- 1 cross tube
- 1 set of 2 pinch weld clamps
- 1 ram and hydro-air pump
- 2 sets of pull clamps
- 1 pull ring
- 1 safety clamp

Other version:

- Power Pro: ref. B 23

Characteristics

- Length of chassis: 3000 mm
- Beam height: 1700 mm
- Weight: 210 kg
- Strength of ram: 10 t

Comment

Frame straightener on floor. Appropriate for fast repair jobs.

Reference

AEK 90

Agreement

93.098

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Pulling arm

Puller unit to effect pulls on damaged vehicles.

Description

- Multi-directional puller unit with double articulation to perform repairs on jigs SEVENNE, MT 10 and M 8S
- The lifting of the puller arm is controlled by a pedal
- Ram support for multiple or vertical pulls
- Multi-position orientation by means of toothed sector
- Rapid locking (patented) of the puller unit to the bench
- Mobile system with handle bar
- Hydro air pump

Other version:

- Cobra 3 puller unit to be adapted on the previous jig generation, MUF 7, MUF 5 and EUROMUF: ref. 953.9051

Characteristics

- Length: 1600 mm
- Height: 1800 mm
- Weight: 232 kg
- Ram stroke: 250 mm
- Ram power: 10 t

Comment

*Easy to handle, quick and simple anchoring.
Optimizes the working conditions for the technician.*

Option

- Extension for pulling on high points: ref. 8501.033

Reference

SVN 93.201 F

Agreement

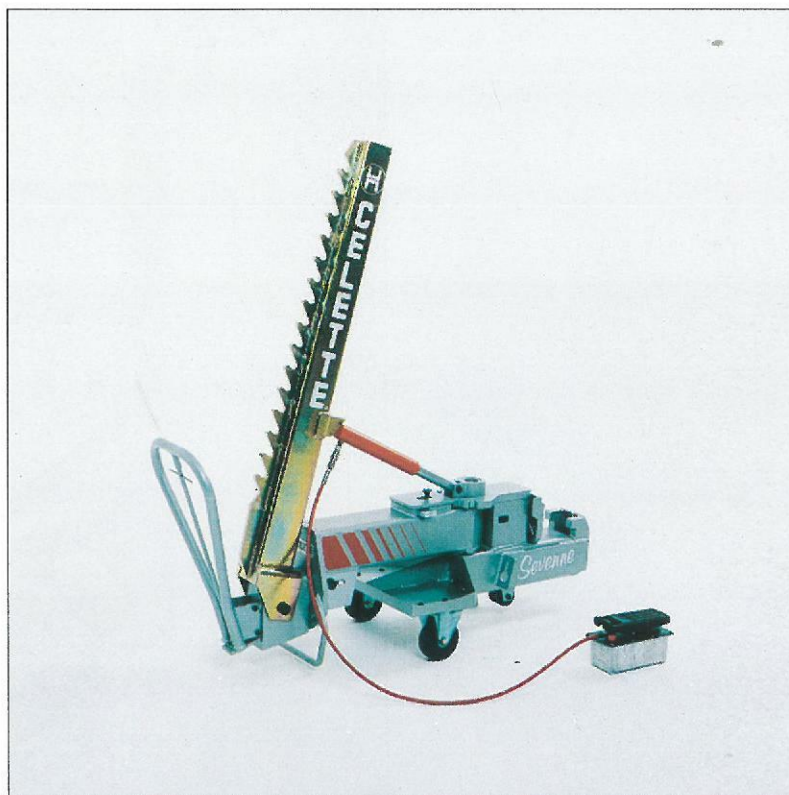
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Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CAR-O-LINER Pulling arm

Puller unit to effect pulls on damaged vehicles.

Description

Supplied with a D80 hydraulic unit including:

- 1 air/hydraulic pump
- 3 rams
- 1 support plate
- 1 chain support
- Extension tubes of 125 mm, 250 mm, 590 mm, 1000 mm
- Multi-directional puller unit with triple articulation and a pulling force of 10 tonnes around the jig
- Multi-position orientation by means of toothed sector
- Rapid mounting of the puller unit on the jig

Other version:

- Puller unit: ref. D16

Characteristics

- Length: 1440 mm
- Height: 198 mm
- Weight: 190 kg
- Pulling force: 10 t per cylinder

Comment

Three independent cylinders give very efficient pull/push combinations. Connects easily around the jig. Fits on all CAR-O-LINER bodyjigs.

Reference

D18.D80

Agreement

93.106

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Modular crossmembers

Set of 5 crossmembers to place the MZ towers on the jig.

Description

- Set of 5 crossmembers fitting directly on the jig
- High resistance tubular structure, coated with zinc, original and patented design

Characteristics

- Weight: 271 kg
- Volume: 0.33 m³

Comment

Very simple installation. The original shape of the crossmembers limits the quantity to 5 and allows an easy access to the underframe of the vehicle.

Reference

955.9001

Agreement

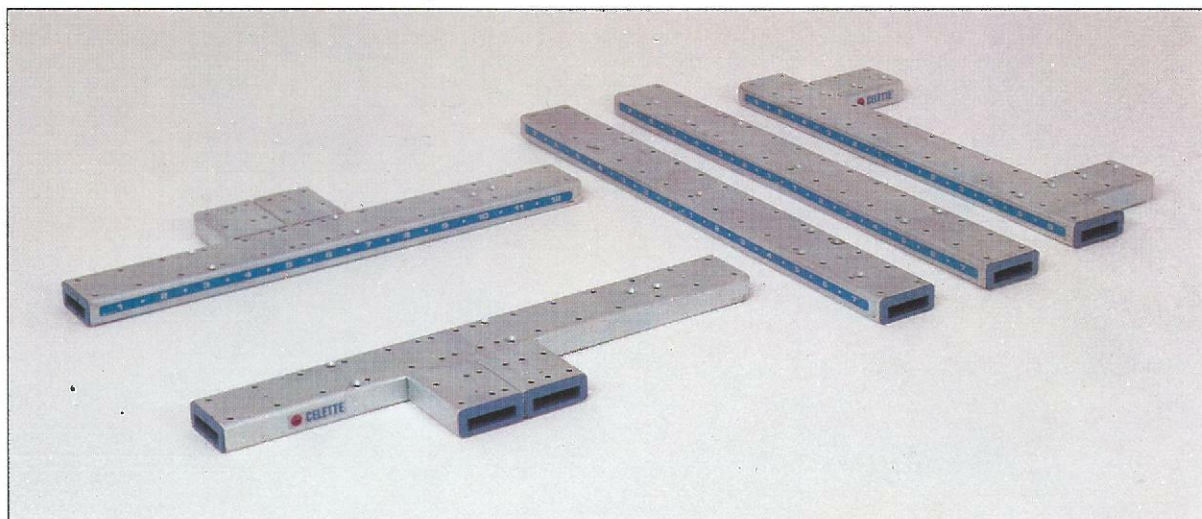
93.003

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Set of towers MZ system

*Set of 22 towers to support specific heads for each type
of vehicle.*

Description

- Set of patented towers, to be fixed on modular crossmembers
- The upper bore guides the specific tops, which are locked in position by means of pins

Characteristics

- Weight: 141 kg
- Volume: 0.23 m³

Comment

*Very simple installation.
The hollowed structure of
MZ towers accepts 4 ton
rams under the heads for
vertical pulls.*

Option

- Mobile trolley for towers:
ref. MZ 450.900

Reference

MZ 450.000

Agreement

93.002

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Set of heads MZ system

Set to check and rebuild any damaged car according to the manufacturer's specifications.

Description

- Set of heads for XANTIA delivered in a plastic case
- Heads to be placed on MZ universal towers, with or without dismantling the mechanical units

Other versions:

- BX: ref. 475.300
- AX: ref. 503.320
- C15: ref. 532.310
- XM: ref. 562.310
- ZX: ref. 612.300

Characteristic

- Weight: 50 kg

Comment

Specially designed for the CITROEN range of vehicles and for the CITROEN After Sales procedures.

Option

- Mobile trolley for the storage of 90 MZ heads: ref. MZ 450.903

Reference

MZ 670.300

Agreement

93.005

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

BLACKHAWK Measuring system

To measure, diagnose and straighten all vehicles.

Description

Measuring unit P-188 with 8 slides delivered with:

- Constant set-up
- Mobile and telescopic slide
- Self-portable and independent
- Compressible sensors
- Runway
- Handles and legs to convert the runway into a trolley
- Workcentre with accessories and data sheets

This unit is adaptable on a mobile straightening frame, on modular frame and classical BLACKHAWK bench or other

Other version:

- ref. 96412.8

Characteristics

- Weight of the measuring bridge: 70 kg
- Weight of the slide: 24 kg
- Weight of the work-centre: 45 kg

Comment

Equipment to use for pre and post repairs with a 2 post lift and stands, with or without mechanical components.

Options

- Diagnostic stands: ref. 96486 A
- McPherson measuring unit: ref. 96465.1

Reference

96413.8

Agreement

93.102

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Measuring system

To measure, diagnose and straighten all vehicles.

Description

- This measuring device can be used on all CELETTE jigs: SEVENNE, MT 10, M 8S, MUF 5, MUF 7, EUROMUF, equipped with anchoring clamps 8076.01380
- 1 frame made of anodized light alloy
- 8 independent trolleys with longitudinal displacement (8 checking points)
- 8 rulers made of light alloy
- 14 stands with quick anchoring
- 8 angle brackets
- 62 end-parts
- 1 storage trolley
- 1 case with plastic data sheets (annual up-dating by subscription)

Characteristics

- Weight of the frame: 41 kg

Comment

This set enables body repairs to be performed with or without dismantling of the mechanical units.

Option

- Checking device for upper points of MAC PHERSON suspensions: ref. ME 2112

Reference

ME 2010

Agreement

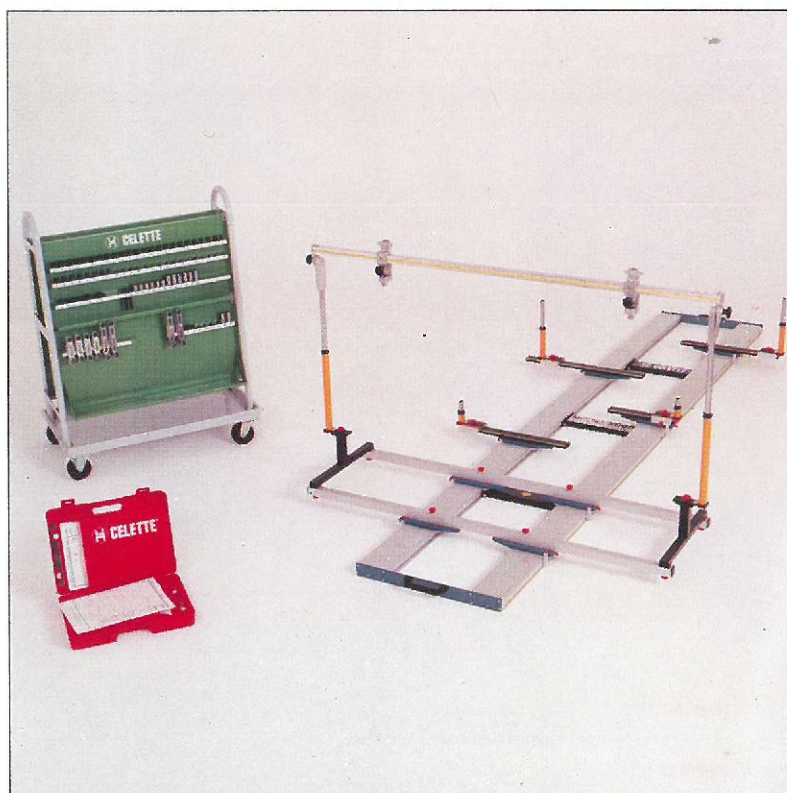
93.008

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CAR-O-LINER Measuring system

To measure, diagnose and straighten all vehicles.

Description

- 1 measuring bridge
- 4 measuring slides
- 1 complete set of measuring tubes, adaptors and scales
- 1 storage cabinet
- 1 complete set of vehicle dimensions data sheets
- New data sheet update free for two years from date of purchase

Characteristics

- Measuring bridge length: 4 m
- Measuring bridge width: 0,5 m
- Weight: 10,5 kg
- Total weight of complete system: 375 kg

Comment

Suitable for bodyjigs with dimensional or positive checking systems.

Options

- Bodyjig: ref. B12
- Puller unit: ref. D16
- Ram: ref. D32
- Pump: ref. D42

Reference

mechanical measuring sys

Agreement

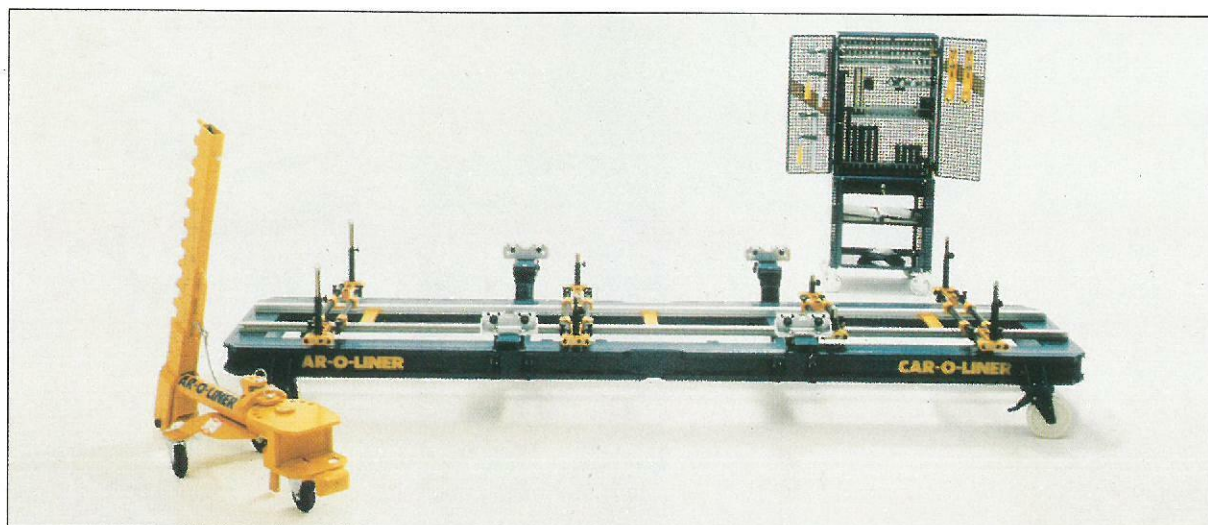
91.010

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Comparison gauge

Tool for comparing reference points on vehicles.

Description

- Telescopic extension in anodised silver aluminium and equipped with a cursor.

Other versions:

- Capacity of 415 to 925 mm to measure the engine compartment: ref. AEK 119
- Capacity of 990 to 3250 mm to measure the diagonals of the underbodies of commercial vehicles: ref. AEK 419

Characteristics

- Capacity: 900 to 2600 mm
- Weight: 2,2 kg

Comment

Direct and rapid reading of reference points.

Reference

AEK 329

Agreement

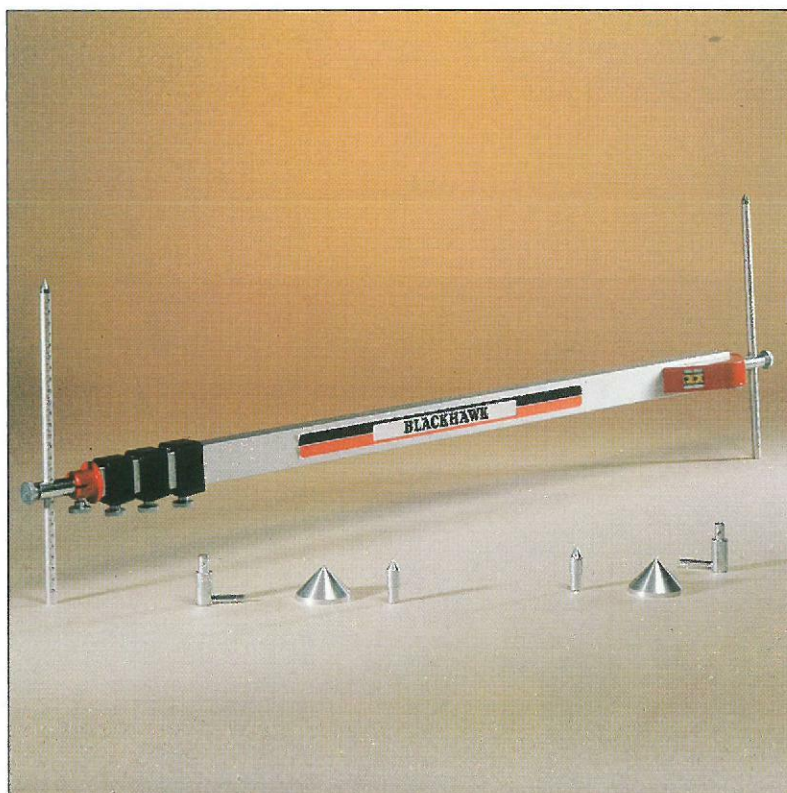
93.095

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Comparison gauge

Tool for comparing reference points on vehicles.

Description

- Graduated rulers (mm), made of anodized light alloy, equipped with a spirit-level and a slider with straight or offset pointers

Characteristic

- Capacity: 0 to 2,50 m

Comment

Direct and rapid reading of reference points.

Reference

9085.013

Agreement

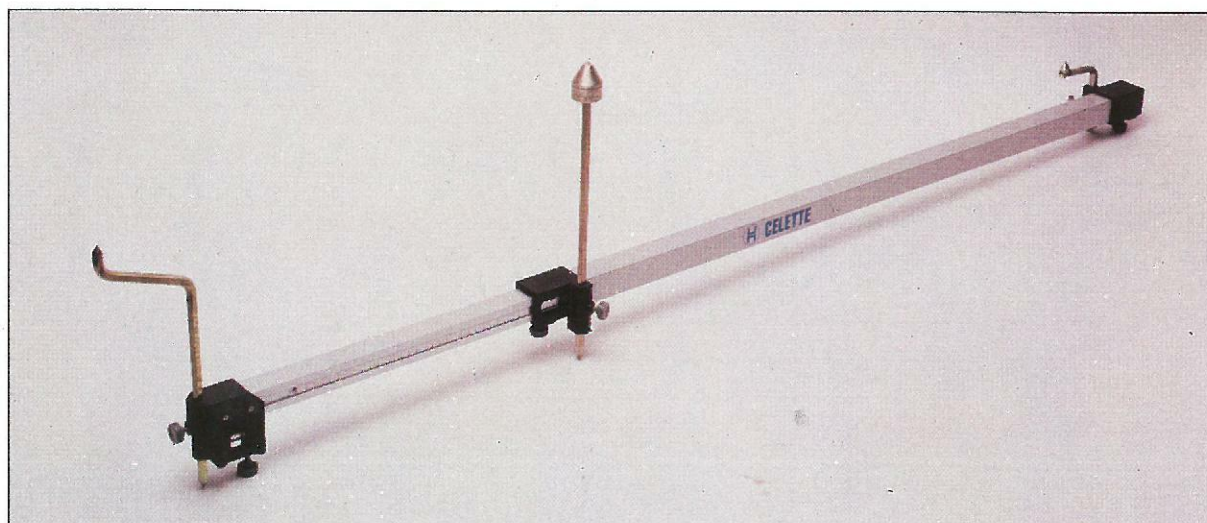
93.067

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Jig modernisation kit

Device to up-date early body jigs.

Description

Set including:

- Set of 4 wheel-spreaders:
ref. 9083.523
- Set of 4 wheels: ref. 9083.9224
- Set of 4 legs and level:
ref. 9084.513
- Set of fixing parts for anchoring
clamps, to be welded on the jig:
ref. 937.9091
- Set of 4 anchoring clamps:
ref. 9076.01381

Comment

*Enables the up-dating of
body jigs EUROMUF,
MUF 5, MUF 7, still
existing in the network.*

Reference

MOD 5/7

Agreement

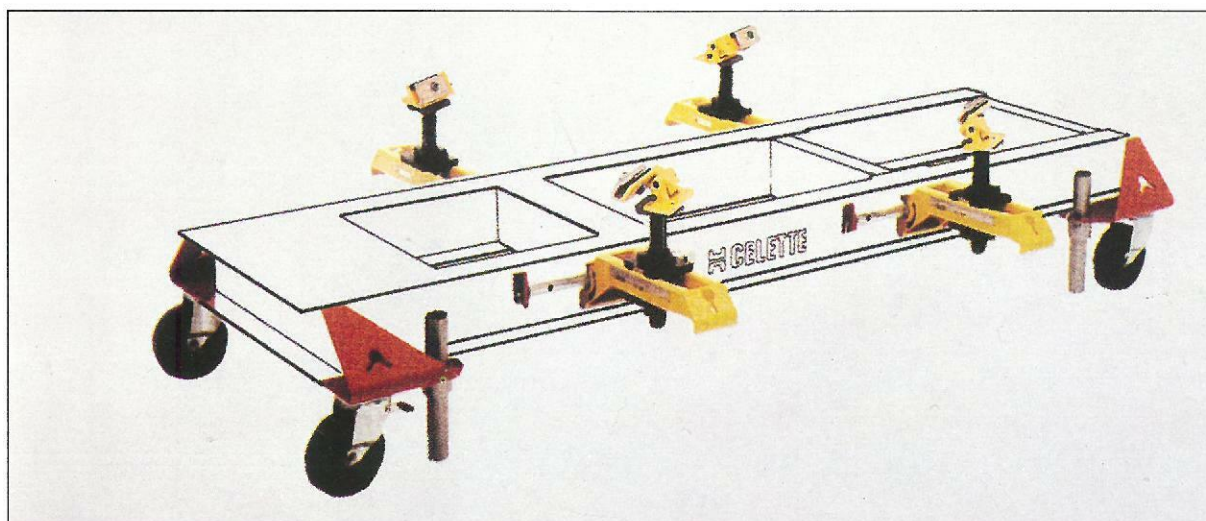
93.068

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CAR-O-LINER Bodyjig incorporating vehicle hoist

Universal system for repair of damaged cars and light commercial vehicles.

Description

BENCHRACK 5000 includes:

- 1 precision machined, rigid base frame
- 1 lift with power unit
- 1 complete set of removable ramps
- 1 D16 draw aligner with hydraulics
- 1 complete side support system incl. storage trolley
- 1 complete mechanical measuring system incl. storage trolley
- 1 complete set of data sheets, with free updates for 2 years from date of purchase

Characteristics

- Base frame length: 50 m
- Base frame + ramps length: 5,85 m
- Base frame width: 1,17 m
- Base frame + ramps width: 2,02 m
- Max. lifting height (base frame): 1,03 m
- Max. lifting weight: 3200 kg (vehicle)
- Lift time: 35-40 s
- Weight base frame and lift: 950 kg
- Weight total system: 2020 kg
- Power supply: 220/380 V, 3-Phase 50 HZ

Comment

User friendly, flexible system.

Options

- Winch for damaged vehicles: ref. T61
- Down pull: ref. B630
- Roll stop/loading trolley: ref. B57

Reference

BR 5000

Agreement

91.012

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK In-floor pulling system

Equipment for pulling and straightening of damaged vehicles.

Description

- Modular frame for two working bays, in-floor or on the floor
- Accepts a jig on wheels with telescopic feet or a vehicle directly anchored on diagnostic stands

Other versions:

- 1 working bay ASK1605901 PL
- 3 working bays ASK1605903 PL
- 4 working bays ASK1605904 PL
- 5 working bays ASK1605905 PL
- 6 working bays ASK1605906 PL, etc...

Characteristics

- Length: 7,118 m
- Width: 4,822 m
- Height: 0,10 m
- Weight: 1590 kg

Comment

The modular Korek frame for working simultaneously on private or commercial vehicles.

Reference

ASK1605 902 PL

Agreement

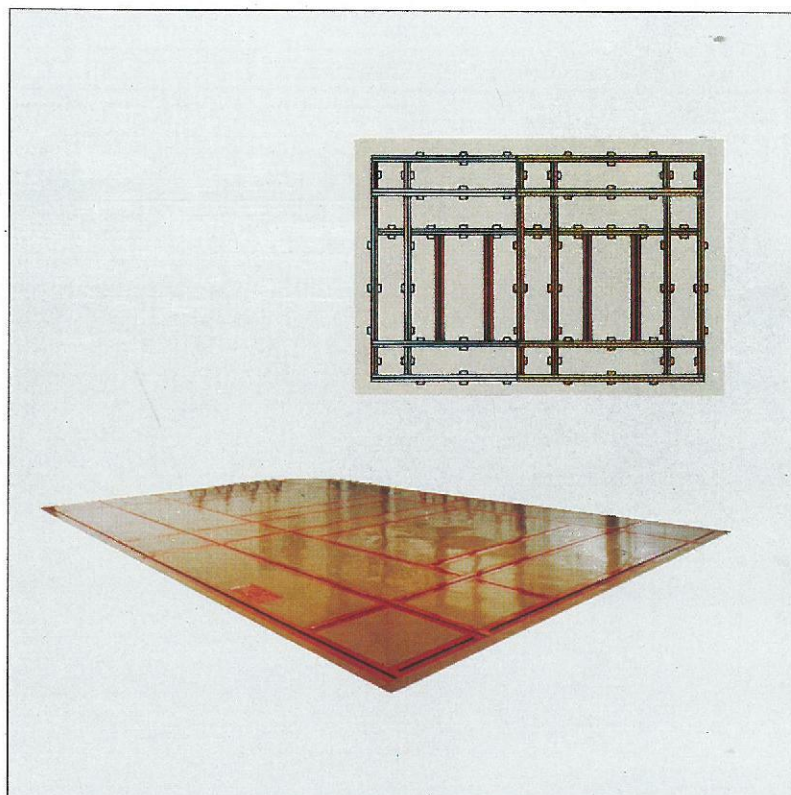
93.101

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE In-floor pulling system

Equipment for pulling and straightening of damaged vehicles.

Description

- In-the-ground or on-the-ground frame
- Composed of modular rails, it offers one or several straightening areas "made to measure"

Accessories to be ordered separately:

- To be used with the bench:
 - Set of chains and eccentric blocks: ref. CAT 508
 - Set of retractable legs: ref. 8001.043
- To be used without the bench:
 - Set of 4 anchoring clamps fixed on the frame to clamp the sill-flanges of the car: ref. AT 5976 III

Other version:

- In-the-ground frame: ref. 5100.01

Characteristics

- Length: 6,324 m
- Width: 4,108 m
- Weight: 985 kg

Comment

With this device it is not necessary to place the vehicle on the jig for light damage. Very fast installation.

Reference

AT 5101.01

Agreement

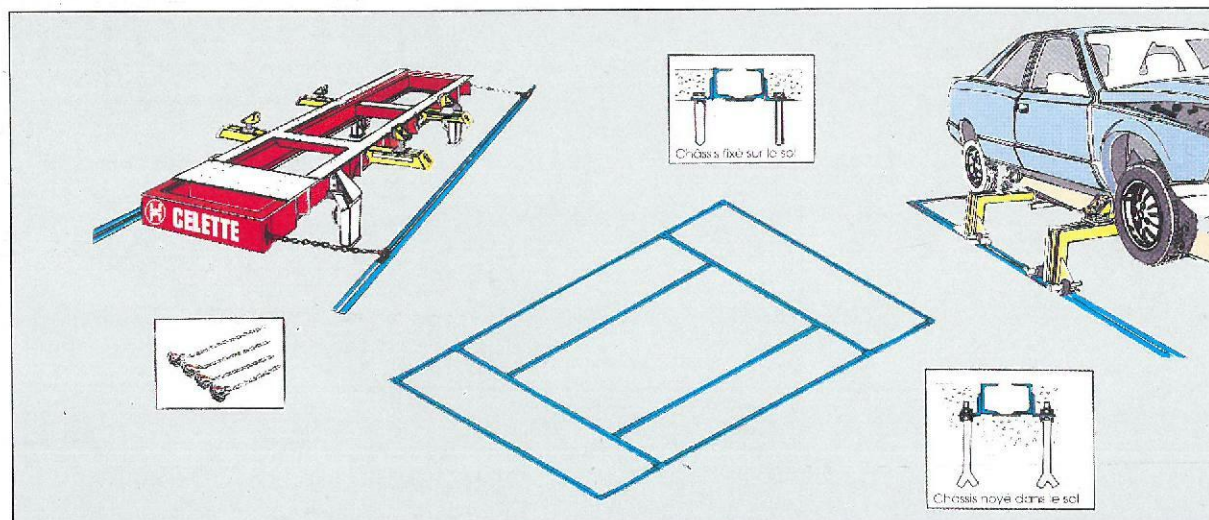
93.007

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Pulling tower

Mobile equipment to exert pulls on damaged vehicles.

Operates on a frame fitted on the floor.

Description

System 5000 comprises:

- Mobile hydraulic tower with instantaneous anchoring on frame by means of chains and eccentric blocks
- Constant pulling angle during the pulling operation
- Hydro air pump
- Handle-bar to lock the tower on the rail

Accessory to be ordered separately:

- Additional puller: ref. CSK 15211

Characteristics

- Weight: 265 kg
- Pump pressure: 700 bars maxi
- Chain stroke: 500 mm
- Power: 6 t

Comment

Constant pulling effort at any height.

Options

- Hydraulic kit to effect pushing operations: ref. CSK 15091
- Orientable chain pulley block fitting on a frame in the ground: ref. ATD 5947

Reference

AT 5200

Agreement

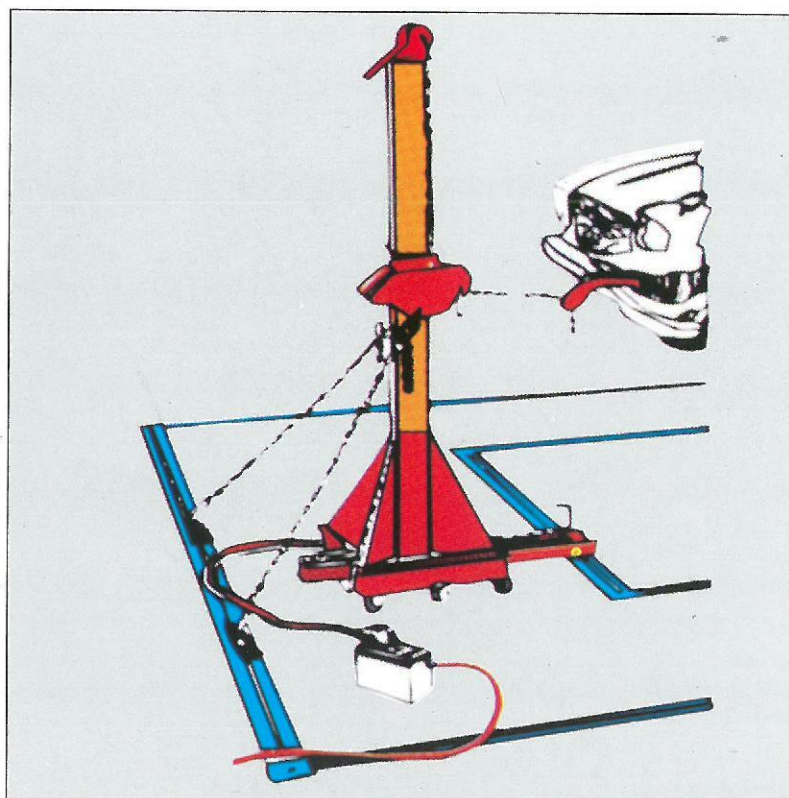
93.009

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

Equipment for car anchoring, pull and push with or without jig.

- Weight: 232 kg

- Set to fit old Korek frame model:
ref. AFM 814

Price list page 9



BLACKHAWK Ram sets

Ram kit to effect all pulling or pushing operations.

Description

Set in case, containing:

- 1 pump
- 1 ram
- 4 extensions
- 1 tube connector
- 1 serrated saddle
- 1 rubber head
- 1 flat base
- 1 V base
- 1 wedge head
- 1 ram toe
- 1 plunger toe
- 1 spread ram
- 1 flexible hose with coupler

Other versions:

- 4 T set: ref. 65132
- 4 T set on panel: ref. 65132 BO
- 10 T set on panel: ref. 65135 BO

Characteristics

- Length of extensions: 100, 250, 450, 675 mm
- Length of hose with coupler: 1,80 m
- Pressure: 700 bars
- Ram capacity: 10 t
- Total weight: 40 kg

Comment

Essential for straightening damaged vehicles.

Option

- Hydraulic oil: ref. LX 22 Y

Reference

65135

Agreement

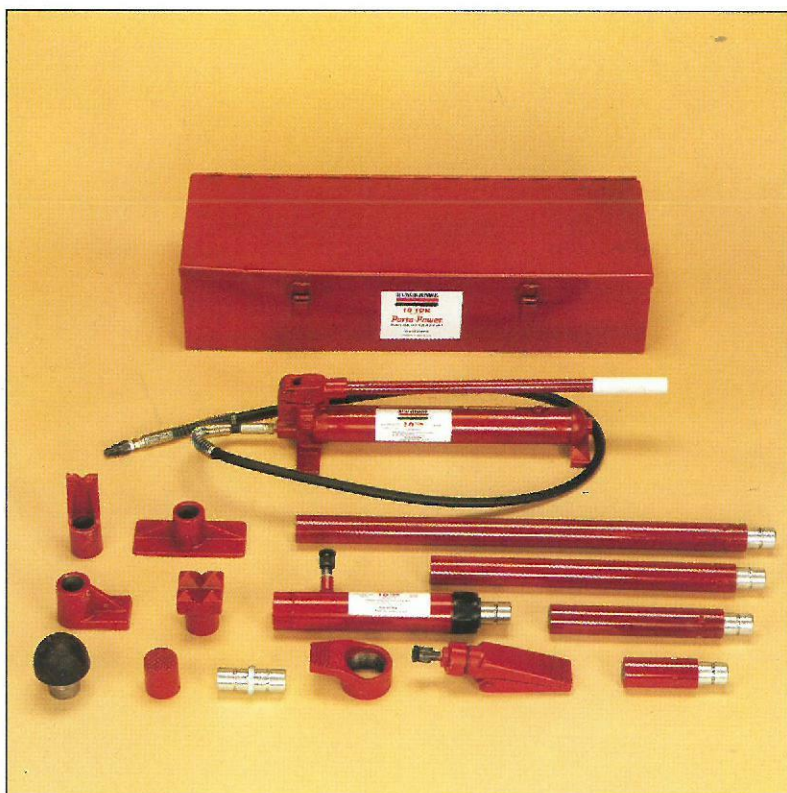
93.100

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Ram sets

Ram kit to effect all pulling or pushing operations.

Description

- Kit includes: rams, extensions, hydraulic pump, quick fit heads, self locking clamps, chains, hooks, rings, delivered in a mobile trolley with 4 shelves

Other version:

- 4 Ton standard kit in a case: ref. SC 44004

Characteristics

- Length of the trolley: 850 mm
- Width of the trolley: 390 mm
- Height of the trolley: 875 mm

Ram power:

- 10 t - 150 mm stroke
- 4 t - 150 mm stroke

Length of the extensions:

- SK 2101 125 mm
- SK 2102 250 mm
- SK 2103 500 mm
- SK 2104 700 mm

Comment

This set is essential to rebuild damaged vehicles.

Reference

SC 15031

Agreement

93.013

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Hydraulic pump

Device designed to control the ram.

Description

- Air hydraulic pump with hose
- Coupler
- Integrated air connection
- Oil reservoir
- Foot pedal monitoring
- Safety valve

Other versions:

- Professional hand pump
- Standard hand pump: ref. 65133 and 65170

Characteristics

- Flexible length: 1.80 m
- Weight: 5.2 kg
- Tank capacity: 600 cm³
- Coupler: 3/8"
- Utility pressure: 700 bars
- Supply air pressure: 9 bars

Comment

Light equipment, easy to use. Can be connected to all types of cylinders.

Options

- High pressure hydraulic oil: ref. LX 22 Y
- Coupler for cylinder, other make: ref. ZR 400

Reference

P 730 H

Agreement

93.099

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Hydraulic pump

Device designed to control the ram.

Description

- Hydro-air pump unit 1,8 m hose and half coupling (Hyr 51)
- Integrated air inlet
- Safety valve
- Repair kit

Other version:

- Hand pump: ref. HYP 1301

Characteristics

- Maximum pressure: 700 bars
- Weight: 10 kg
- Air pressure: 3 to 8 bars
- Air flow: 540 l/min
- Tank capacity: 1310 cm³

Comment

Compact and reliable device.

Reference

HYP 2301

Agreement

93.069

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Strut fixing clamp

Straightening attachment to repair the fixing points of struts without deforming.

Description

Set containing:

- Specific centering items for AX, BX, VISA, C15, XM, ZX, XANTIA

Comment

Designed to ensure that the McPherson front suspension brackets cannot be damaged.

Reference

AEK 6002

Agreement

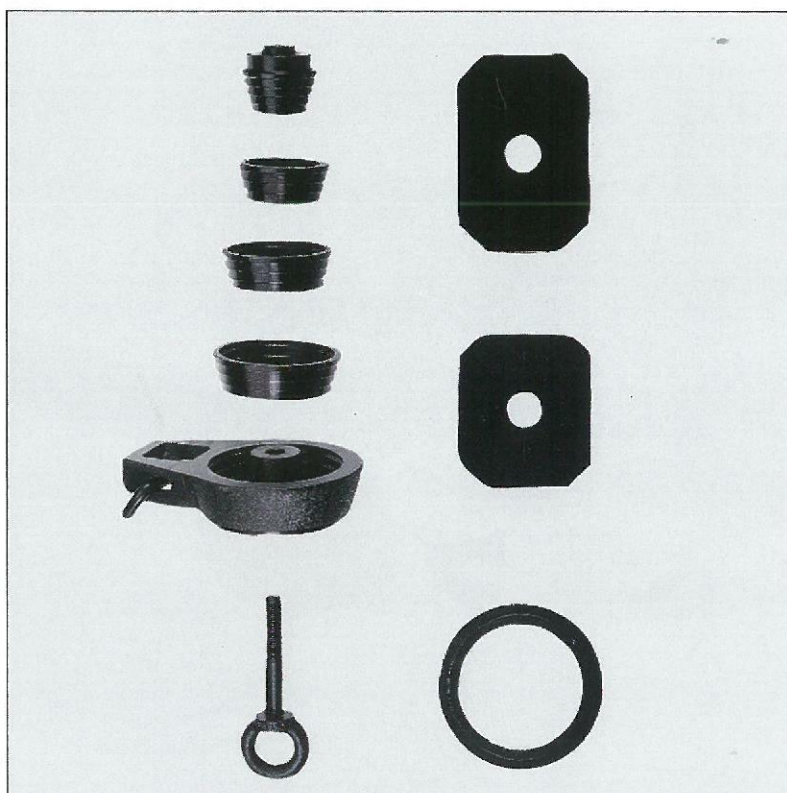
93.097

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Strut fixing clamp

Straightening attachment to repair the fixing points of struts without deforming.

Description

Kit includes:

- BTR cast steel pulling flange
- Specific machined centring parts for AX, BX, VISA, C15, XM, ZX, XANTIA

Comment

Prevents the distortion of the fixing points (MAC PHERSON) of the suspension struts.

Reference

ATD D 158

Agreement

93.012

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Puller kit

Hydraulic set for body straightening, and pull and push work on the ground.

Description

Composition containing:

- 1 safety cable
- 1 pull yoke
- 1 swivel clamp
- 2 pull clamps
- 2 hook pull chains
- 1 push ram
- 1 chain lock head
- 4 rams foot and chain anchors
- 8 wedges
- 5 extension tubes SNAP
- 1 air-hydraulic pump with hose
- 1 wall panel kit: 2 bare panels, stickers, supports, screws, pins concrete drill

Characteristics

- Length of the pull clamp: 100 mm and 45 mm
- Length of chains: 2.10 m and 2.70 m
- Strength of the chain hooks: 10 t
- Ram stroke: 250 mm
- Ram strength: 10 t
- Extension lengths: 125 mm, 250 mm, 450 mm, 710 mm

Comment

Essential equipment for the bodyshop. Multiple and simultaneous pull and push possibilities.

Options

Complementary kit to reference

AFM 131:

- ref. AFM 132
- ref. AFM 133
- ref. AFM 134 A

Reference

AFM 131 A

Agreement

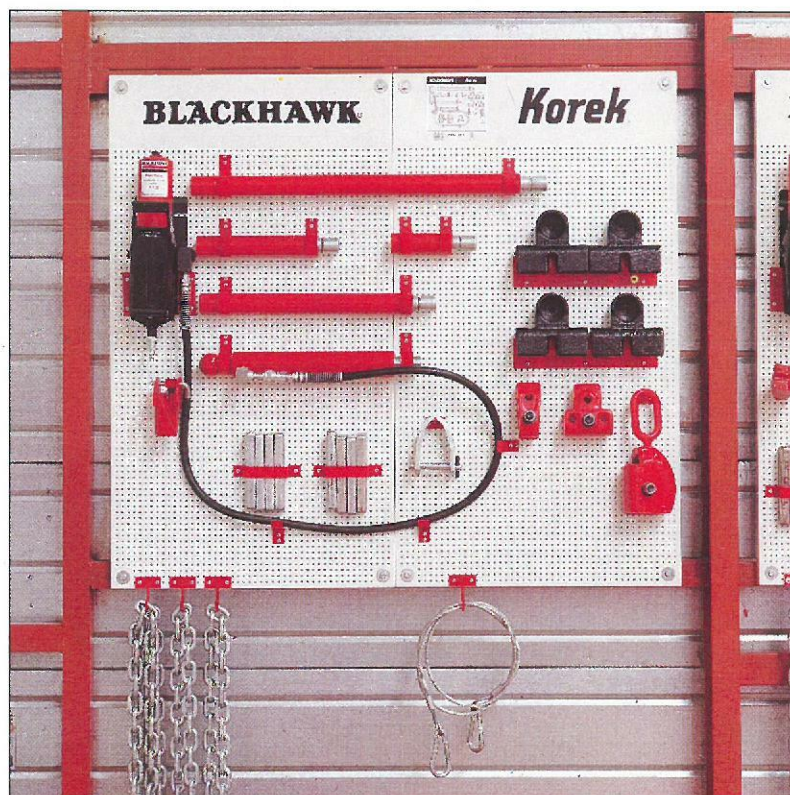
93.105

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Puller kit

Equipment recommended for the utilization of a pulling unit or tower.

Description

Kit includes:

- 2 chains with 1 hook: ref. CN 2410
- 2 double hooks: ref. CR 210
- 1 plate with holes: ref. ATD 135
- 1 self locking clamp: ref. ATD 1324
- 1 self locking clamp: ref. ATD 1312
- 1 universal pull clamp: ref. ATD 1343

Characteristics

- Chain length: 2,40 m
- Self locking clamps:
 - ATD 1324: 50 mm
 - ATD 1312: 100 mm
 - ATD 1343: 100 mm
- Total weight: 20 kg

Comment

This device is essential in the repair workshop.

Reference

CAT 500

Agreement

93.006

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Pulling chains

Designed to straighten any vehicle.

Description

- Kit includes chains of different lengths:
 - without hook
 - with 1 hook
 - with 2 hooks
- Hooks for chain end
- Double connecting hook
- Anchoring
- Pulling straps

Characteristics

- 10 mm diameter chain, without hook:
 - length 1,30 m: ref. CN1300
 - length 3,00 m: ref. CN 3000
- 10 mm diameter chain with 1 hook:
 - length 1,80 m: ref. CN 1810
 - length 3,00 m: ref. CN 3010
- 10 mm diameter chain with 2 hooks
 - length 2,4 m: ref. CN 2420
- Hook: ref. CR 110
- Double hook: ref. CR 210
- Anchor ring: ref. CR 313
- Pulling straps:
 - 0,75 m and 1,5 m length: ref. SVN 99.00

Comment

High resistance equipment, essential for pulling out damaged elements.

Reference

CT.CIT 1

Agreement

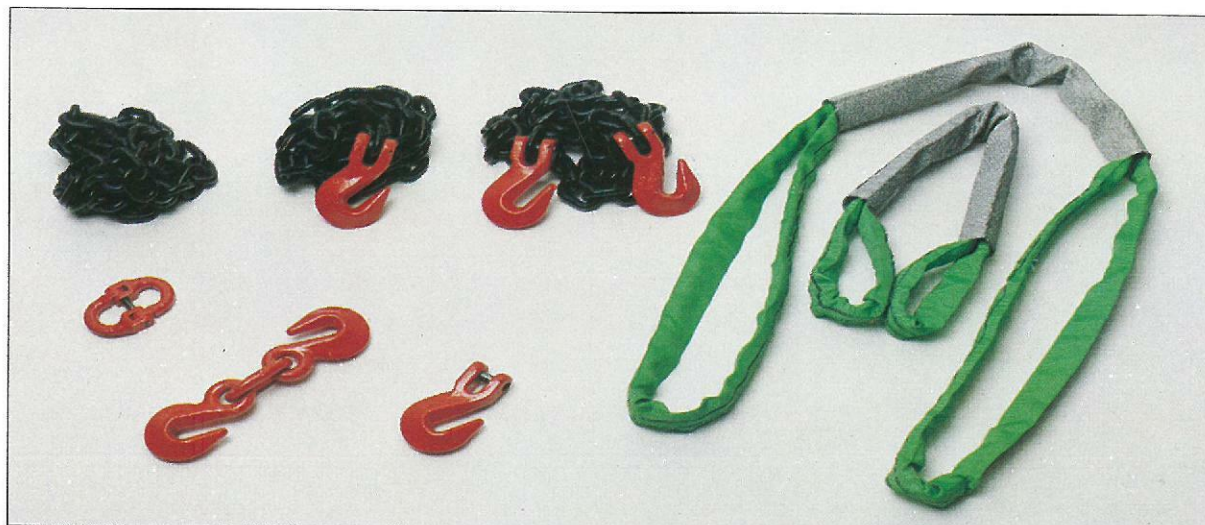
93.011

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Directional chain pulleys

Complementary element to obtain several pulling points.

Description

Kit includes:

- Pulley block for multi-angle pulling
- Free fixing by chain on jig, modular crossmembers and pulling unit: ref. ATD.01.801
- Orientable chain pulley block for downward pulls. Can be fixed on the jig or on modular crossmembers by screws: ref. 947.910

Characteristic

- Total weight: 10 kg

Comment

This set can be used for vertical downward pulling.

Reference

RC CIT 3

Agreement

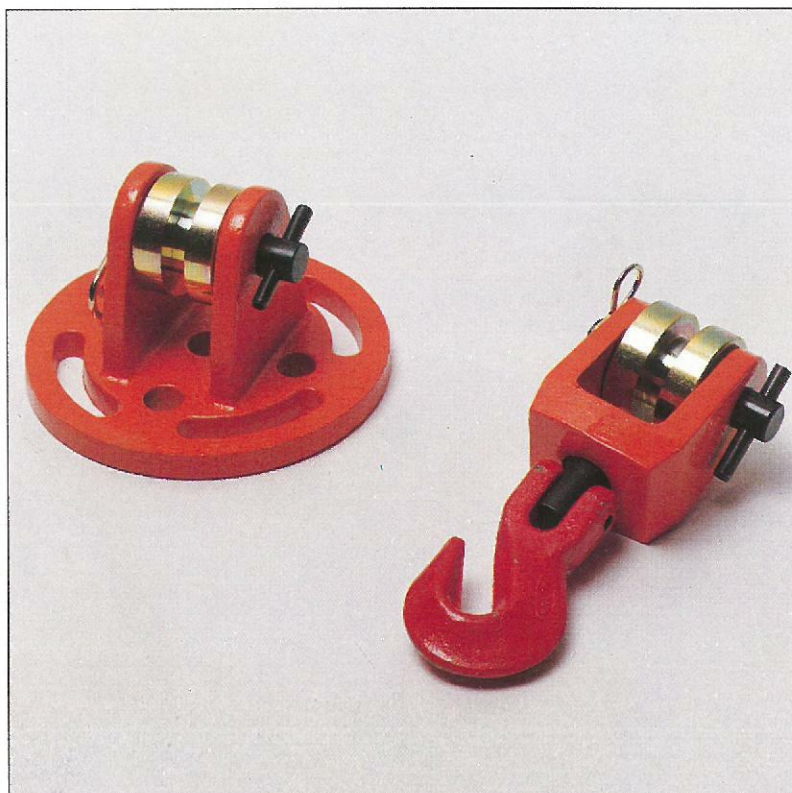
93.071

Guarantee

1 year parts and labour

Price

Price list page 9



BLACKHAWK Puller clamp kit

Liaison material between the pulling tool and the straightening object.

Description

Set containing:

- Pull clamp AEK 232
- Pull clamp AEK 233
- Right angle clamp AEK 183
- Swivel clamp AEK 185
- Fast clamp without bolt 97401
- Pull clamp AEK 428
- Pull clamp AEK 430
- Wedge clamp EK 402 T
- Multi purpose hook AEK 270
- Pull ring AEK 236

Characteristics

- AEK 232: width 100 mm, weight 2.7 kg
- AEK 233: width 45 mm, weight 1.3 kg
- AEK 183: width 100 mm, weight 3.1 kg
- AEK 185: width 100 mm, weight 4.5 kg
- 97401: width 45 mm, weight 3.1 kg
- AEK 428: width 60 mm, weight 3.5 kg, withstands a 6 t pull
- AEK 430: width 100 mm, weight 3.8 kg, withstands a 6 t pull
- EK 402 T: length 190 mm, width 80 mm, height 25 mm, weight 1.75 kg
- AEK 270: weight 12.5 kg

Comment

Essential tool in a body workshop.

Reference

AEK 6001

Agreement

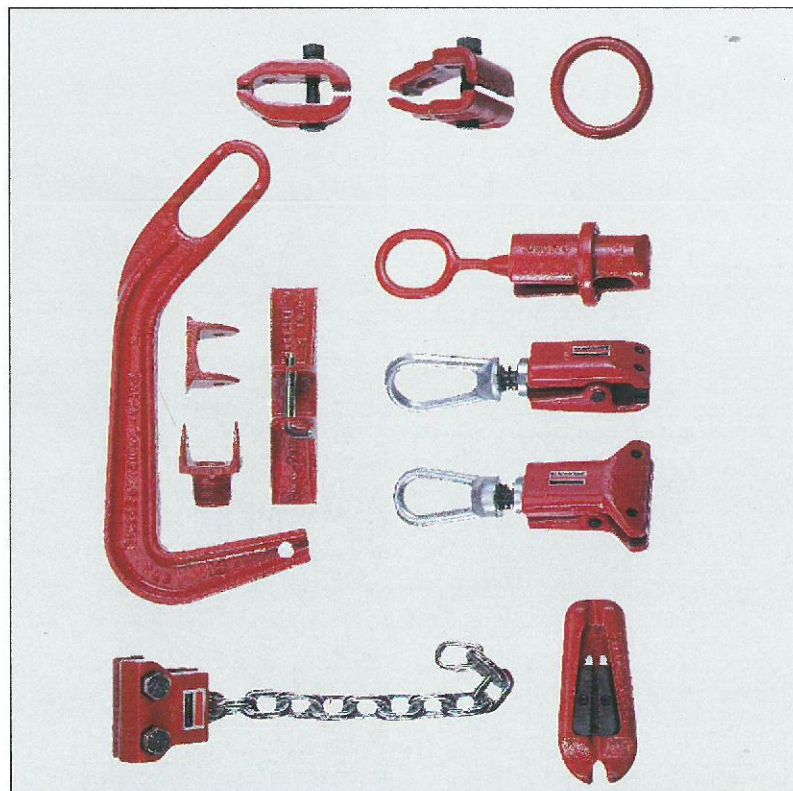
93.096

Guarantee

1 year parts and labour

Price

Price list page 9



SERVICE
INFO

CELETTE Puller clamp kit

Equipment to connect the pulling tool to the damaged element to be straightened.

Description

Set includes:

- Anchoring rod for chain: ref. ATD 141
- Anchoring ring with threaded rod: ref. ATD 162
- Pull hook with 2 holding plates and a threaded adaptor to use any screwed accessory of the hydraulic range: ref. ATD 130
- Drilled plate: ref. ATD 135
- Pull clamp for rear bodypanel of AX and XM: ref. ATD 177
- Universal pull clamp: ref. ATD 1343
- Automatic clamp: ref. ATD 165
- Automatic clamp: ref. ATD 168
- Self locking clamp: ref. ATD 144

Characteristics

- Automatic clamps:
 - ATD 144: 50 mm
 - ATD 165: 50 mm
 - ATD 168: 100 mm
 - ATD 1343: 100 mm

Comment

Tool made of high resistance hardened steel, essential in the repair workshop.

Reference

P.T CIT 2

Agreement

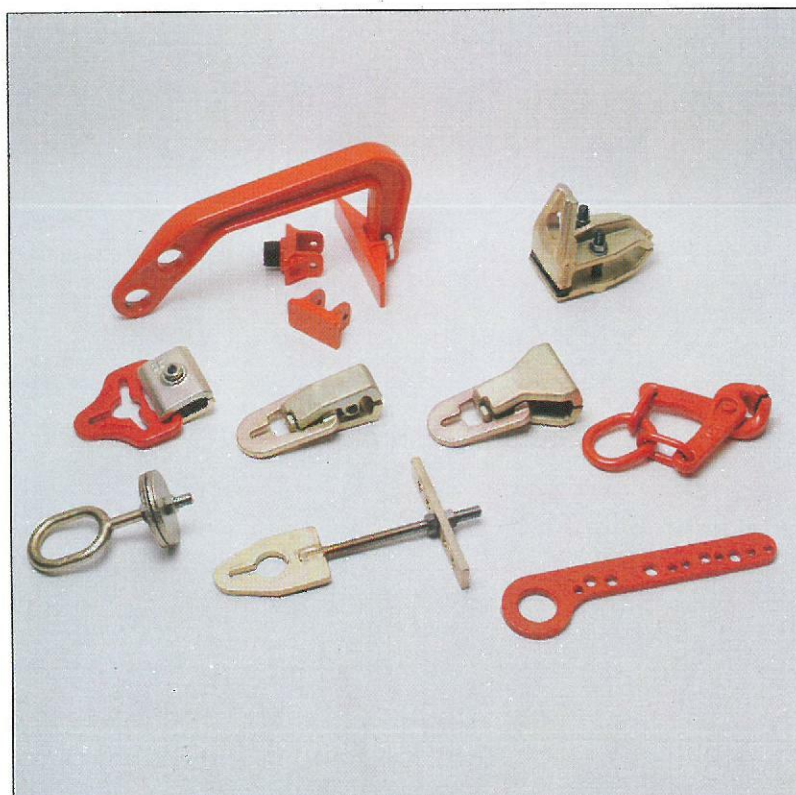
93.010

Guarantee

1 year parts and labour

Price

Price list page 9



CELETTE Body aperture supports

Tool to hold doorframes.

Description

- Double aperture restraint, 2 elements and a spacer
- Elements made of resistance hardened steel

Other version:

- simple aperture restraint, 1 element: ref. ATS 1801

Characteristic

- Weight: 12 kg

Comment

Prevents the distortion of door frames etc, during pulling operations.

Reference

ATS 1802

Agreement

93.070

Guarantee

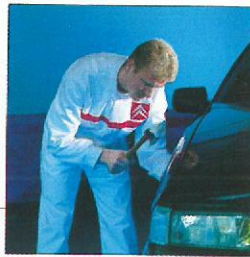
1 year parts and labour

Price

Price list page 9



SERVICE
INFO



3.3 WELDING / CUTTING

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PULLER / WELDER

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SAFETY

<i>Liquid crystal face mask</i>	261-262
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SAF Oxy-acetylene welding and cutting set

Equipment for welding and cutting by metal fusion.

Description

Welding and cutting box comprising:

- Elements made of resistance hardened steel
- A PYROSAF 400 C welding torch
- A star with 7 nozzles
- A PYROCOPT 2000 cutting torch with its 2 cutting tips
- An oxygen and an acetylene pressure regulator
- Two sleeves equipped with flashback arrestors and quick coupling
- Five meters of gas hoses
- A pair of oxy-fuel cutting goggles

Characteristics

- Hose length: 5 m
- Welding nozzles flow 40 l/h to 400 l/h
- Cutting head flow 150 to 850 l/h
- Pressure upstream of oxygen: 200 bars
- Pressure downstream of oxygen: 4 or 10 bars
- Oxygen flow 15 or 40 m³/h
- Pressure upstream of acetylene 40 bars
- Pressure downstream of acetylene 1.5 bar
- Acetylene flow 6m³/h
- Welds sheet thicknesses 0.25 to 5 mm
- Plate cutting up to 25 mm

Comment

Equipment equipped with flashback arrestors and conforming to industrial legislation.

Options

- Flame goggles: ref. 0810-605
- Oxy-fuel cutting goggles: ref. 0811-0001
- Grinding goggles: ref. 0811-0108
- Protective apron: ref. 0820-0001
- Foot protection (gaiters): ref. 0820-0017

Reference

0450 2030

Agreement

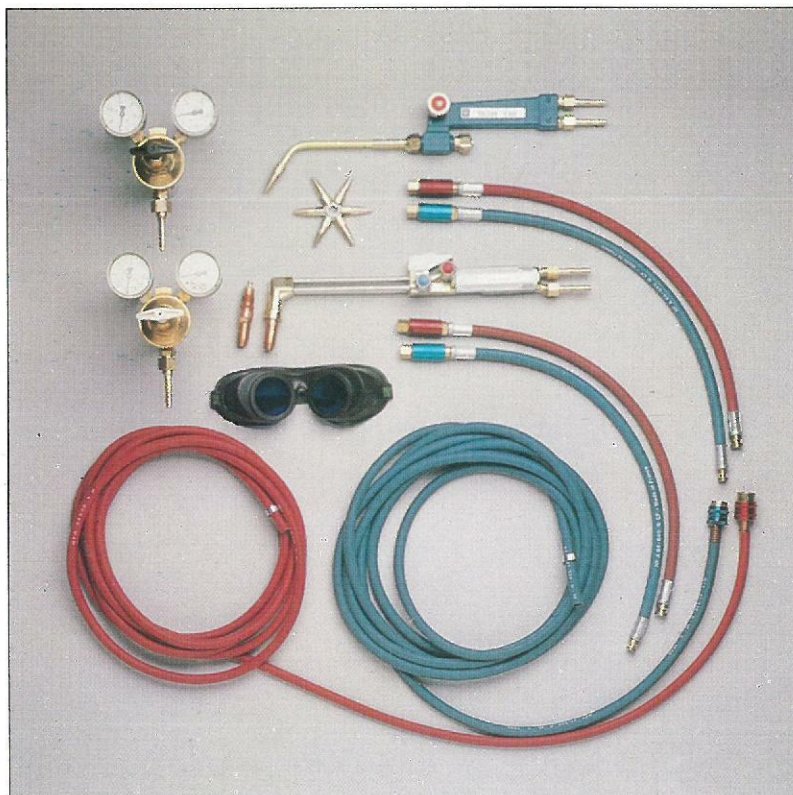
93.162

Guarantee

1 year parts and labour

Price

Price list page 9



CEMAC Spot welder

**Mobile unit allowing for spot welding of steel sheets
with pneumatic booster.**

Description

- Model CS 2000 C supplied with 2 sets of arms, 10 straight electrodes and 2 elbow electrodes
- Transformer's internal cooling system and welding wires
- Air chucking welding tongs with double open end
- Thyristor control of electrical power and welding time
- Preset squeeze sequences
- Arms and electrodes in cuprochromium with coniform shank
- Rapid interchangeability

Characteristics

- Width: 570 mm
- Depth: 730 mm
- Height: 1170 mm
- Weight: 65 kg
- Compressed air pressure: 6 to 7 bars
- Mains voltage: 220 V, Mains supply protection 60 A or 380 V, protection 32 A
- Power: 20 KVA
- Maximum welding current strength: 5200 A
- Pressure cylinder thrust: 360 kg
- Welding time: 0.1 to 2 seconds
- Length of welding wires: 2000 mm
- Length of both sets of arms: 150 and 400 mm

Comment

Appropriate for the welding of coated steel sheets with a minimum wear of surface treatments. The adequate output level of wires allows for ease of use of the welding tongs.

Option

- Tool board of 6 sets of arms: ref. Z000100000B

Reference

Z1900B

Agreement

91.004

Guarantee

1 year

Price

Price list page 9



SERVICE
INFO

ELEKTRON Spot welder

Equipment for resistance spot welding on sheets, with pneumatic aid.

Description

- MULTISPOT M6 is mounted on a wheeled trolley with a stand for accessories
- The pneumatic jaw body is of moulded aluminium alloy, with an electric harness
- Single point welding gun and nail puller
- The electrodes make a 90° angle with the handle. This makes the tool more handy and makes the sheets to be assembled more accessible
- The spot welding cycle is made up of 2 phases:
 - 1) Fusion of the white zinc coat by a gradual increase of the current
 - 2) The welding current (5000 A) ensures good sheet fusion.
- This spot welding operation is done in a very short time (0.3 to 0.5 s)
- The time can be set with the help of a potentiometer

Characteristics

- Length: 550 mm
- Breadth: 480 mm
- Height: 930 mm
- Welding cable length: 2200 mm
- Section: 95 mm
- Weight: 88 kg
- Power supply: 380 V
- Time-delay fuse: 35 A
- Power: 8.9 KVA
- No-load voltage: 3.4 to 9.5 V
- Welding current: 5000 A 3%
- Ambient temperature: maximum 40°C
- Protection: IP21

Comment

Resistance spot welding principle suited to sheets coated with white zinc.

Option

- Disk puller torch: ref. 5099001798

Reference

5099001799

Agreement

92.024

Guarantee

1 year parts and labour

Price

Price list page 9



CEMAC Set of electrodes

Electrode arms can fit on to a spot welding machine to enable sheet resistance welding.

Description

Board of 6 sets of BERYLIWN electrode arms in cuprochromium comprising:

- 1 set of offset electrode arms type "A"
- 1 set of offset electrode arms type "B"
- 1 set of flat electrode arms type "C"
- 1 set of electrode arms type "D" for wheelarches
- 1 set of elbow electrode arms type "E"
- 1 set of cranked electrode arms type "F"

Characteristics

- Board width: 370 mm
- Board height: 670 mm
- Weight: 14 kg
- Length of type A arm: 560 mm, offset 120 mm
- Length of type B arm: 340 mm, offset 300 mm
- Length of type C arm: 180 mm
- Length of type E arm: 300 mm, space requirement: 125 mm
- Length of type F arm: 320 mm, passage 160 mm

Comment

Enables almost every spot weld on the vehicle to be accessed.

Option

- Tool board of 4 sets of electrode alignment adjusters: ref. Z00119000B

Reference

Z00100000B

Agreement

91.003

Guarantee

1 year

Price

Price list page 10



SERVICE
INFO

CIMAC Set of electrodes

Electrode arms can fit on to a spot welding machine to enable sheet resistance welding.

Description

Wall panel with electrodes:

- N30 toggle joint electrode: ref. 5099003030
- N20 electrode: ref. 5099002020
- N21 electrode: ref. 5099002121
- N22 electrode: ref. 5099002222
- N23 electrode: ref. 5099002323

The electrode body has a square copper section

Characteristics

- Electrode diameter: 12 mm
- Copper alloy: 99,27%
- Chromium alloy: 0,65%
- Zirconium alloy: 0,08%

Comment

The various lengths and shapes of the welding jaws can be used for resistance spot welding on sheets, whatever the position of the parts may be.

Option

- 1 m bar spare electrode: ref. 509900HF12

Reference

5099005015

Agreement

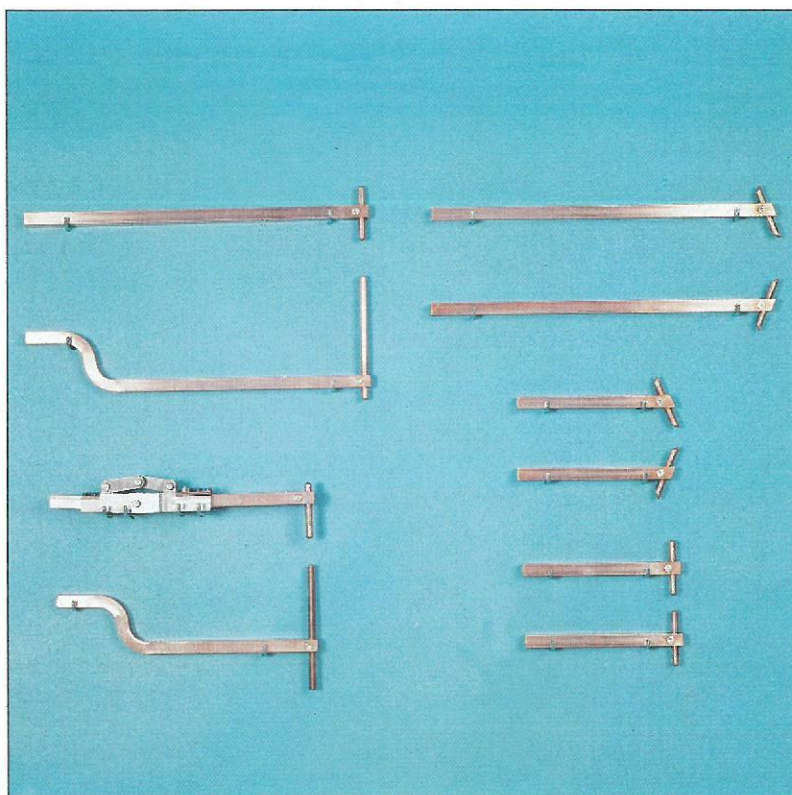
92.026

Guarantee

1 year parts and labour

Price

Price list page 10



SAF Arc and tig welder

Equipment for welding with coated electrodes for very varied applications.

Description

- PRESTOPAC 160 portable (slung across shoulder) welding kit supplied with a SAFTIG 160 torch with trigger and pressure regulator/flowmeter
- For arc and TIG welding from 5 to 160 amps with: TIG starting without high frequency, electronically piloted (PAC SYSTEM)
- A tack welding cycle
- End of weld fade out
- Very smooth fusion of coated electrodes up to 4 mm
- Equipped with a safety device (standby voltage 12 V)
- Electronic inverter technology for general purpose ARC and TIG welding
- VDE 542-EN 60974-1 standards

Other versions:

- PRESTOPAC 130: ref. 0389 0354
- PRESTO 130: ref. 0320 2511
- PRESTO 160: ref. 0320 2512
- SAFARC M 250: ref. 0340 0245
- SAFOR 190: ref. 0340 0084
- SAFOR 140: ref. 0340 0082

Characteristics

- Length: 470 mm
- Width: 170 mm
- Height: 340 mm
- Weight: 16 kg
- Single phase power supply: 220/240 V
- Frequency: 50/60 Hz
- Maximum primary consumption: 23 Amps
- Welding current 5 to 160 A (100 A at 100% duty cycle)
- Max primary power 5 KVA
- Harness length 4 m
- Protection index IP 23
- Insulation class H

Comment

Light and portable welding outfit.

Options

- Torch length 6 m: ref. 0377 0501
- Maintenance box: ref. 0377 1040
- Protective apron: ref. 0820 0001
- Protective gloves: ref. 0007 0009
- Super aiglon mask: ref. 0082 0041

Reference

0389 0358

Agreement

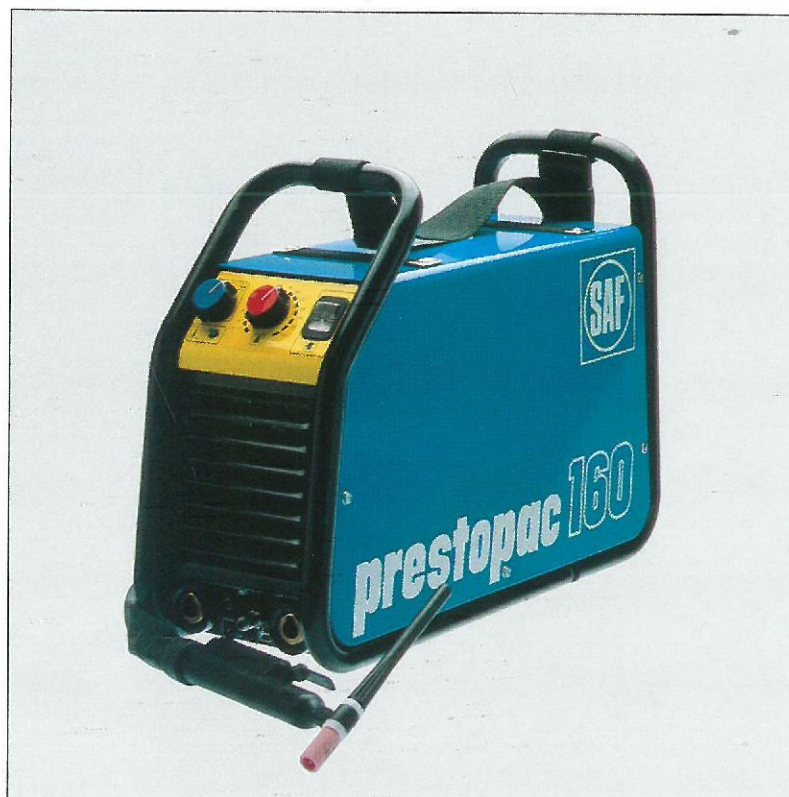
93.161

Guarantee

1 year parts and labour

Price

Price list page 10



SERVICE
INFO

CEMAC MIG welder

Semi-automatic unit for continuous, spot and sequential welding of thin sheet.

Description

MIG welding unit CA 250 comprising:

- 1 MIG generator 250 A
- 1 torch binzel MB 15 (3 m)
- 1 spool of welding wire of 0.8 mm
- 1 pressure regulator
- 1 welding shield
- 1 non-blocking spray
- 1 case of fittings: contact tube and nozzles
- Appropriate for seam welding, resistance spot welding (plug welding) and intermittent welding
- The unit can be coupled to the resistance spot welding outfit welding tongs
- Conformity to standards EN (60974) and ISO (R 700)

Comment

The arc high stability at low current strength permits the welding of sheets and minimizes the wear of surface treatments.

Reference

Z2700C

Agreement

92.009

Guarantee

1 year

Price

Price list page 10

Characteristics

- Length: 770 mm
- Width: 370 mm
- Height: 620 mm
- Weight: 66 kg
- Mains voltage: 220/380 V 3-phase
- Mains supply protection: 10 A/16 A
- Strength of current at 60% duty cycle: 175 A
- No load voltage: 14 to 34 V
- Wire running off speed: 2 to 12 m/min
- Minimum capacity: 18 A/14 V
- Maximum capacity: 250 A/34 V
- Welding wire diameter: 0.6 to 1.2 mm



CIMAC MIG welder

Semi-automatic unit for continuous, spot and sequential welding of thin sheet.

Description

MIG-MAG welding outfit with:

- MIG torch, 3 metre beam, type MB15AK
- 4 welding positions: 2 cycles, 4 cycles, intermittent, spot welding
- Forced ventilation
- The primary and secondary windings of the transformer are of copper, with thermal contact protection
- 21 intensity settings
- Pressure reducer
- Welding mask
- Ground wire with clamp

Characteristics

- Length: 890 mm
- Breadth: 390 mm
- Height: 560 mm
- Weight: 85 kg
- Power supply: 380 V
- Fuse: 16 A
- Power: 11 KVA
- Welding current: 250 A at 35%, 165 A at 100%
- Intensity range: 40 to 250 A
- Load and no-load Voltage range: 20 to 27 V and 17 to 38 V
- Protection: IP21
- Wire diameter: 0,6 mm, 0,8 mm and 1,00 mm

Comment

Sturdy equipment with electronic function control.

Reference

5062030250

Agreement

93.133

Guarantee

1 year parts and labour

Price

Price list page 10



SERVICE
INFO

SAF MIG welder

Semi-automatic unit for continuous, spot and sequential welding of thin sheet.

Description

SAFOR MR 200 MIG-MAG mobile welding outfit mounted on cylinder frame, supplied with:

- A MAMIG 201 torch, length 3 m, with quick connector and swivelling swan neck for better accessibility
- A primary cable length 5 m
- A ground cable length 3 m
- A ground connector and a point nozzle
- Integrated wire reel
- All the controls and adjustments are grouped on the front panel
- Discontinuous (9 positions) welding voltage adjustment
- Possible welding modes: continuous, spot and intermittent
- Meets European EN 60974 standards

Other version:

- SAFMIG MC 210 microcontroller outfit: ref. 9160 0614

Characteristics

- Length: 775 mm
- Width: 550 mm
- Height: 860 mm
- Weight: 75 kg
- Electrical power supply: 220/380 V 50 Hz 3 phase
- Max power consumption: 6.3 KVA
- Primary current: 14 A (220 V) or 8 A (380 V)
- Welding voltage: 15 to 29 V
- Welding current: 25 to 200 A
- Protection: IP 21
- Wire diameter: 0.6 to 0.8 mm
- For UK this MIG installation is also available in 240/415 V

Comment

General purpose equipment for welding in all positions, with limited sheet deformation.

Options

- Rectification tool: ref. 9160 0460
- Nail puller: ref. 9160 0500
- Bag of 50 boss removal washers: ref. 9160 0499
- Protective apron ref. 0820 0001
- Foot protection (gaiters): ref. 0820 0017
- Euromask mask N: ref. 0082 0002
- Gloves: ref. 0007 0009

Reference

9160 0485

Agreement

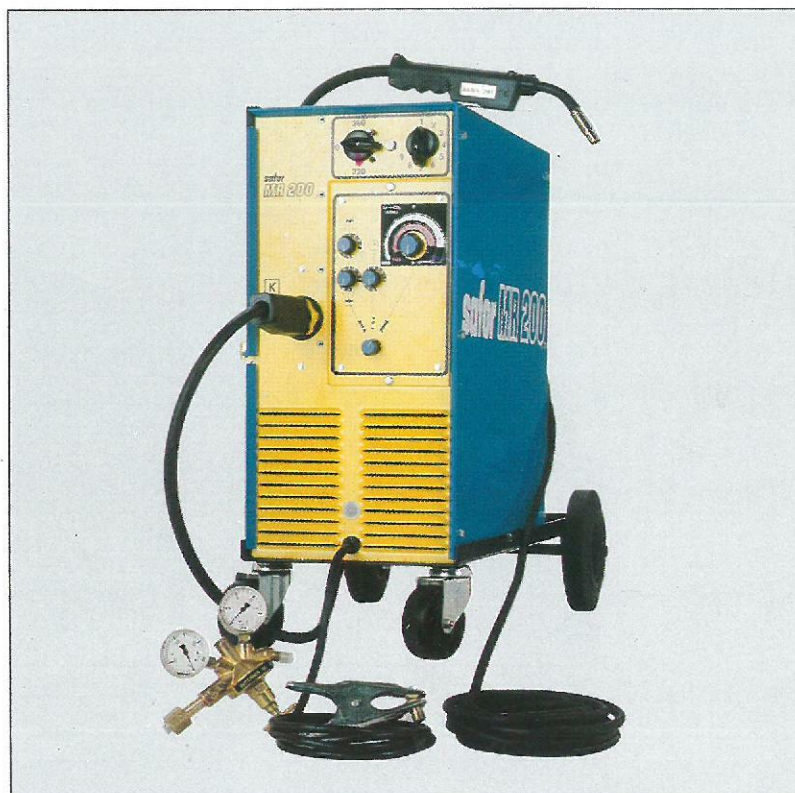
93.163

Guarantee

1 year parts and labour

Price

Price list page 10



CEMAC Stud welder and puller

Equipment for inertia straightening and panel dressing.

Description

The case comprises:

- 1 welding gun with aluminium casing
- 1 strap
- 1 tack welding head in alloy glass-wool
- 1 inertia hammer
- 1 box of 500 rivets VL
- 1 box of 500 rivets PL

Characteristics

- Length of case: 500 mm
- Width of case: 400 mm
- Depth of case: 120 mm
- Weight: 9 kg
- Mains voltage: 220 V single-phase
- Instantaneous power: 4 KVA

Comment

Avoids the stripping of panels to be repaired.

Reference

Z00007000E

Agreement

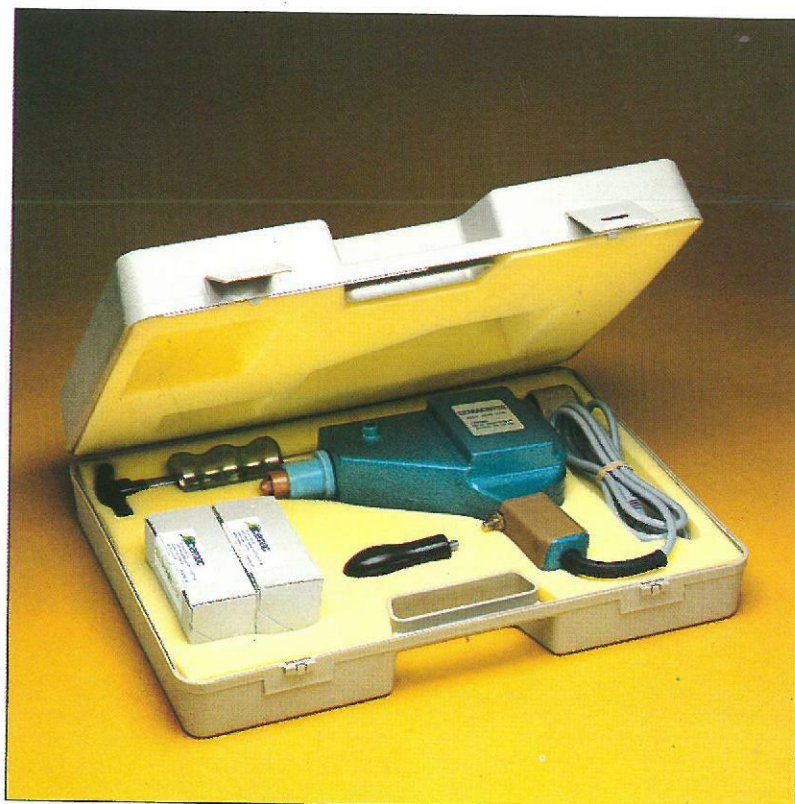
93.110

Guarantee

1 year

Price

Price list page 10



SERVICE
INFO

SPITZNAGEL Stud welder and puller

Equipment for inertia straightening and panel dressing.

Description

- Gun supplied with an inertia stud puller and a box of 1000 2 mm diameter studs

Characteristics

- Length: 450 mm
- Breadth: 340 mm
- Thickness: 100 mm
- Weight: 10 kg
- Power supply: 220 V
- Power: 4 KVA
- No-load voltage: 3 V
- Insulation class: E

Comment

Compact and easy to use. Avoids stripping the elements to be reformed in inaccessible boxed parts.

Option

- Box of 1000 studs: ref. 5099001060

Reference

5099001004

Agreement

93.132

Guarantee

1 year parts and labour

Price

Price list page 10



CEMAC Dual purpose welder

Mobile combined equipment for MIG arc welding and resistance spot welding.

Description

Unit Modul Soud 2000 C comprising:

- 1 resistance spot welding outfit CS 2000 C
 - Air chucking welding tongs with double open end
 - Transformer's internal cooling system and welding wires
 - Thyristor control of electrical power and welding time
 - Preset squeeze sequences
- 1 MIG welding outfit CA 250
 - MIG generator 250 A
 - Torch binzel MB 15
 - Pressure regulator
 - Spool of welding wire of 0.8 mm
 - Welding shield
 - Non-blocking spray
 - Case of fittings

Comment

A polyfunctional complete unit designed to weld coated steel sheets with a minimum wear of surface treatments.

Option

- Tool board of 6 sets of arms: ref. Z000100000B

Reference

Z00002400C

Agreement

93.111

Guarantee

1 year

Price

Price list page 10

Characteristics

- Width: 310 mm
- Depth: 700 mm
- Height: 1180 mm
- Weight of the unit: 130 kg
- Resistance spot welding outfit CS 2000 C:
 - Mains voltage: 220 or 380 V
 - Mains supply protection: 30-60 A
 - Strength of secondary current: 4500 A
 - Pressure cylinder thrust: 360 kg at 7 bars
 - Welding time: 0.1 to 2 seconds
 - Welding wire length: 2 m
- MIG welding outfit CA 250:
 - Mains voltage: 230/380 V 3-phase
 - Mains supply protection: 10 A/16 A
 - Power consumption: 2.2 KVA
 - Strength of current at 60% duty cycle (EN): 175 A
 - Strength of current at 60% duty cycle (ISO R700): 200 A
 - Wire diameter: 0.6 to 12 m/mn
 - Wire running off speed 2 to 12 m/mn



SERVICE
INFO

CIMAC Dual purpose welder

Mobile combined equipment for MIG arc welding and resistance spot welding.

Description

- Two-module set on a mobile wheeled stand
- CIMAC 250 MIG module:
 - MIG torch, 3 meter beam, type MB15AK
 - 4 welding positions: 2 cycles, 4 cycles, intermittent, spot welding
 - Forced ventilation
 - The primary and secondary windings of the transformer are of copper, with thermal contact protection
 - 21 intensity settings
 - One pressure reducer
 - One welding mask
 - Ground cable with arcing clamp
- ELEKTRON M6 spot welding module:
 - The body of the pneumatic jaw is made of aluminium alloy
 - Single-point welding gun and inertia puller
 - Potentiometer for setting the spot welding time
 - The spot welding cycle is made up 2 phases

Characteristics

- Breadth of the set: 600 mm
- Height of the set: 1400 mm
- Depth of the set: 900 mm
- Weight of the set: 180 kg
- CIMAC 250 outfit:
 - Power supply: Three-phase 380 V
 - Main fuse: 16 A
 - Connected power: 11 KVA
 - Load and no-load voltage: 20 to 27 V and 17 to 38 V
 - Welding current and duration of action(%): 250 A at 35%, 165 A at 60%
 - Protection: IP 21
 - Intensity range: 40 to 250 A
- ELEKTRON M6 spot welding outfit:
 - Power supply: Three-phase 380 V
 - Time-delay fuse 35A
 - Connected power: 8.5 KVA
 - Load and no-load voltage: 3.4 and 9.5 V for no-load
 - Protection: IP 21

Comment

A complete, multi purpose outfit suitable for welding coated sheets with minimum damage to the surface treatment.

Reference

5099250799

Agreement

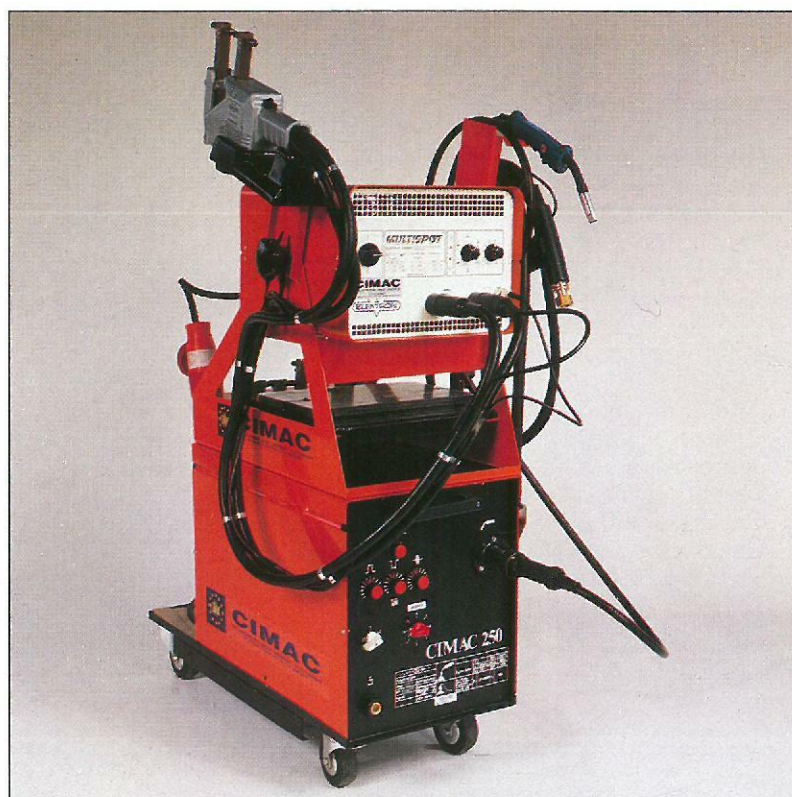
93.135

Guarantee

1 year parts and labour

Price

Price list page 10



SAF Plasma cutting outfit

Thermal cutting equipment for metals up to 6 mm thick.

Description

The mobile ZIPJUNIOR on 2 wheels is supplied with:

- A straight or elbowed CP 25 cutting torch
- A primary cable
- A ground cable and its connector
- A torch harness
- A compressed air delivery hose
- An ON/OFF switch on the front panel
- Protection fuse with LED indicator
- An oiling/de-oiling filter at the rear of the unit
- The arc is started by touching, without HF device which could disrupt the electrical and electronic environment
- Plasma cutting causes spatter which makes protection of fragile surfaces necessary.

Other versions:

- PRESTOZIP 625: ref. 0408 2600
- ZIPCAR: ref. 0408 2200
- ZIPCAR and ZIPGUN: ref. 0408 2210.

Characteristics

- Length: 390 mm
- Depth: 490 mm
- Height: 840 mm
- Weight: 55 kg
- Electrical power supply: 220/380 V 50 Hz single phase
- Primary current consumption: 36 A at 220 V, 20 A at 380 V
- Compressed air supply: 5 bars, 75 l/min (20 l/min on standby)
- For UK a similar installation named NERTAZIP 207 is available (supply voltage: 200/220/240 V, 50/60 Hz, single phase)

Comment

Quiet equipment, cuts metal rapidly in hygienic and safe conditions. Toxic release limited when cutting coated parts.

Options

- ZIPGUN kit: ref. 0408 2691
- ZIPGUN case: ref. 0408 2690
- ZIP gloves: ref. 0408 1058
- ZIP goggles: ref. 0408 1059
- Elbowed torch body: ref. 0408 2221
- Protective apron: ref. 0820 0001
- Foot protection (gaiters): ref. 0820 0017

Reference

0408 2325(04082321UK)

Agreement

93.164

Guarantee

1 year parts and labour

Price

Price list page 10



CEMAC Stud welder and puller combined with spot welder

Unit allowing for inertia straightening and resistance spot welding.

Description

- Multifunction unit CEMAC BOSS PLUS Version 3 on travelling carriage
- 20 KVA generator controlled by microprocessor
- 1 set composed of compressed air-cooled wires and air chucking welding tongs CS 2000 C
- 1 set composed of wires and a welding gun for butt welding, seam welding, dressing and stud welding
- 1 ground cable
- 1 inertia hammer with integrated welding function
- 5 stud holders, electrode holders and rivet holders
- 1 bag of washers
- 1 bag of 5 mm diameter studs
- 1 bag of 6 mm diameter studs
- 1 bag of rivets
- 2 conductive pencils for dressing

Other version:

- Unit supplied without wires and air chucking welding tongs: ref. CEMAC BOSS PLUS Version 1

Characteristics

- Width: 500 mm
- Height: 1250 mm
- Depth: 700 mm
- Weight: 70 kg
- Compressed air pressure: 7 bars
- Mains voltage: 220 or 380 V
- Mains supply protection: 60 A for the 220 V voltage or 32 A for the 380 V voltage
- Supply line section: 6 mm
- Welding wire section: 150 mm
- Continuous secondary current: 7000 A
- Chucking of the welding tongs at 7 bars: 360 DEN
- Compressed air consumption: 240 l/min

Comment

Compact and reliable outfit. Welding conditions and energy compensation are controlled via a microprocessor.

Reference

Z5000M (V3)

Agreement

93.109

Guarantee

1 year

Price

Price list page 10



CEMAC Liquid crystal face mask

Electronic mask for protection during welding operations.

Description

- VARILIGHT helmet delivered in a case containing a set of protective glasses
- Solar powered glasses provided with a variable protection and an extremely rapid reaction rate
- The operator is protected against ultraviolet radiations and infrared radiations even if the helmet is off-duty
- Large field of vision
- Very light
- Conformity to standard DIN 4647 Part 7

Characteristics

- Length of the liquid crystal cartridge: 100 mm
- Width of the liquid crystal cartridge: 90 mm
- Weight: 400 g
- Power: solar cell, no battery
- Reaction rate: 0.5 ms
- In-duty protection number: 4
- Off-duty variable protection number: 9 to 13

Comment

This type of helmet exempts the welder from lifting his helmet between two operations.

Suppresses "stray flashes". Hands-free operation.

Reference

Z00009000G

Agreement

93.107

Guarantee

1 year

Price

Price list page 10



SERVICE
INFO

CIMAC Liquid crystal face mask

Electronic mask for protection during welding operations.

Description

- ZYTEL ST shell, highly shock resistant
- Adjustable head-band
- Lithium accumulator with solar cell
- Cassette for all welding processes
- Optical class 1 of DIN standards
- Homogeneity 2 and diffusion 2

Characteristics

- Weight: 520 g
- Automatic darkening for MIG and TIG welding in 0.0005 seconds
- Tint adjustment: 9 to 13 with the electronic variator
- Field of vision: 98 x 47 mm
- Protection Index 4 for spot welding and permanent passive protection from UV and IR rays up to tint 16

Comment

The wearer does not need to remove the mask between operations. It prevents arc flashes and provides "hands free" operation.

Reference

52BLOCCUSELECT

Agreement

93.134

Guarantee

1 year parts and labour

Price

Price list page 10





4.1 GENERAL EQUIPMENT / TOOLING

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DEVILBISS RANSBURG

Paint sprayer's mask

Device for protecting operator's respiratory tract.

Description

Mask complete with:

- 1 cotton comfort outer rim
- Double string strap
- 2 extractor valves
- Cartridge equipped with a prefilter

Characteristic

- Maximum protection, for all uses including 2K polyurethane

Comment

Mask specifically adapted to paint, solvent and polyurethane spraying. In conformity with current legislation.

Options

- Maintenance kit with box of 4 special polyurethane cartridges and 12 prefilters: ref. GSM-400-AB
- Replacement parts kit: 1 string, 2 valves, 1 induction flap: ref. 4536

Reference

GMS-6001-AB

Agreement

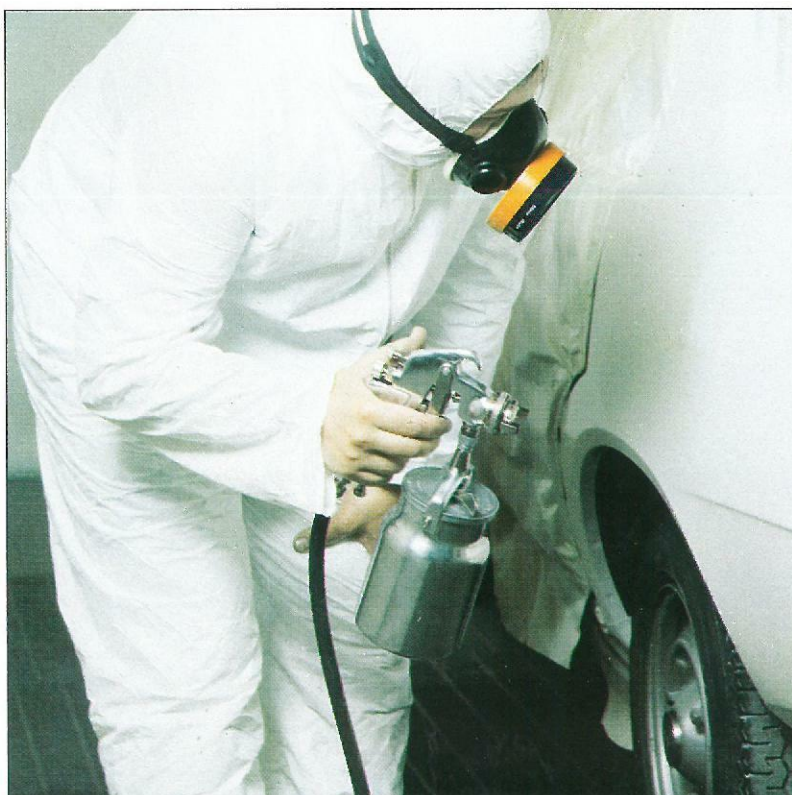
93.117

Guarantee

6 months, parts

Price

Price list page 10



DEVILBISS RANSBURG Air fed sprayer's face shield

Equipment for protecting the face and respiratory tract.

Description

- Plastic aeration visor on an articulated helmet frame
- Protective foam between frame and face
- Protective hood and disposable visor protector
- Filtered air supply via nylon tube
- Connected to adjustable pressure reducing valve on belt

Comment

Light, comfortable unit giving operator optimum protection with good visibility.

Options

- Regulating belt: ref. MPV-513
- Maintenance Kit:
 - 10 visor covers: ref. MPV-1-K-10
 - 10 "Tyrek" hoods: ref. MPV-2-K10
 - Waterproof non-fogging glasses: ref. MPV-440

Reference

MPV 514

Agreement

93.123

Guarantee

6 months, parts

Price

Price list page 10



SERVICE
INFO

DEVILBISS RANSBURG

Gravity spray gun

Material for applying primers and finishing laquers.

Description

"Maestro" gravity paint spray gun delivered with a body shop kit containing:

- 1 forged anodized aluminium body
- 1 reservoir with micro-filter
- 1 nozzle and pointer
- 1 lightened air cap providing a wider, more fluid and more homogeneous spray
- The entire paint circuit is of stainless steel
- The spray gun can already atomize water soluble products
- the F.E.P coated VITON joints resist spray gun cleaning products
- Spray gun support

Characteristics

- Body weight: 540 g
- Reservoir weight: 160 g
- Total weight: 700 g
- Air capacity: 346 l/min at 3.5 bars
- viscosity range: 18/30 CF
- Spray diameter: 240 mm
- Nozzle: 1.4 mm or 1.6 mm

Comment

Ergonomic paint spray gun designed for new generations of (polyurethane and water soluble) paints.

Options

- Maintenance kit: joints and springs: ref. KK-4503-F
- Repair kit with cap, nozzle, pointer and joint: ref. KK-4504

Reference

Maestro GFV 638

Agreement

93.122

Guarantee

1 year parts and labour

Price

Price list page 10



DEVILBISS RANSBURG

Suction spray gun

Material for applying primers and finishing laquers.

Description

The Maestro paint spray gun is delivered in a body shop kit:

- Paint spray gun with screw-on suction reservoir in anodized aluminium
- Air cap and nozzle/pointer control

Characteristics

- Spray gun weight: 470 g
- Reservoir weight: 415 g
- Total weight: 885 g
- Reservoir capacity: 1 l
- Air access connector: 1/4" NPS
- Air supply: 3.5 bars
- Pressure control: 3.5 bars

Comment

Precise, light paint spray gun, recommended for heavy paint jobs.

Options

- Maintenance kit: ref. KK4503 F
- Repair kit: ref. KK 4640 EXL & KK 4641 FWL L30
- Spray kit: ref. KK 4640 EXL & KK 4640 FWL

Reference

MAESTRO MSG 601

Agreement

93.220

Guarantee

1 year parts and labour

Price

Price list page 10



SERVICE
INFO

DEVILBISS RANSBURG Compressed air regulator and filter

Device for purifying and regulating compressed air.

Description

- Material to be installed vertically
- Regulator equipped with a BelloFram diaphragm permitting rapid precise adjustments
- Semi-automatic venting
- Coalescent filter
- Submicronic filter to use with respiratory tract protection devices
- Pressure gauge
- 3 regulated air outlets

Other versions:

- 3 air outlets, 5 micron filtering, 100°C: ref. DVFR 1
- 2 air outlets, 20 micron filtering up to 100 m³/h 100°C: ref. DVFR 3

Characteristics

- Length: 240 mm
- Height: 280 mm
- Weight: 3,3 kg
- Power: 1/2" gas
- Maximum capacity: 85 m³/h
- Pressure gauge: 0 to 11 bars
- Pressure gauge thread: 1/8" gas
- Pressure drop in relation to air entry: 10 %
- Dry filtration: 0.01 micron
- Liquid filtration: 99.99 %

Comment

This unit of coalescent submicronic filters provides breathing air for aeration masks.

Reference

DVFR 2

Agreement

93.118

Guarantee

6 months, parts

Price

Price list page 10



DEVILBISS RANSBURG Belt mounted air regulator

Equipment for supplying filtered, unpressurised air to paint spray gun and aeration visor.

Description

- Adjustable fibre textile belt with filtering unit
- 1 filtered, compressed air access to pressure reducing valve
- 1 filtered air outlet with pre-regulated pressure reducing valve to supply visor
- 1 air outlet to supply paint spray gun
- 1 tube for air supply to paint spray gun equipped with a rapid action hose coupling

Characteristics

- Loss of pressure: 1 bar per 10 m of tube
- Length of spray gun air supply tube: 1.20 m

Comment

Single air supply for paint spray gun and visor that does not hamper operator's movements.

Options

- Aeration visor: ref. MPV 514
- Filter cartridge: ref. MPV 3

Reference

MPV-513

Agreement

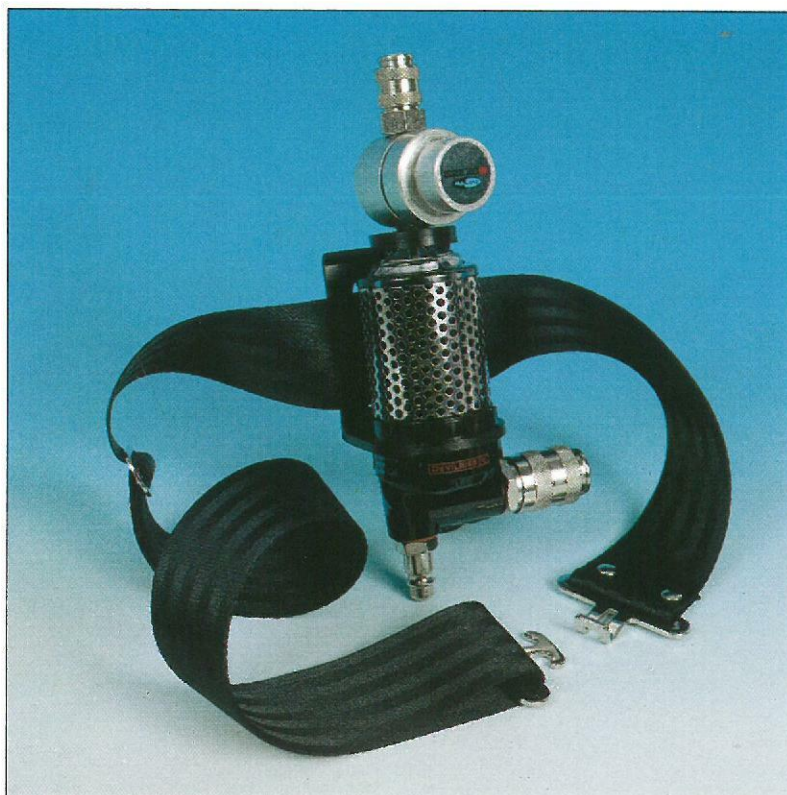
93.124

Guarantee

6 months, parts

Price

Price list page 10



SERVICE
INFO

DESVIL Standard panel support

Equipment to adjust the height and tilt of elements to be painted.

Description

- Tubular framework with small and large hooks (mobile and adjustable)
- Holding parts for adjustable elements
- 4 pivoting nylon wheels
- Adjustment of the height of the upper part by sliding
- Adjustment of the tilting of the crossmember by sector
- Shifting of the whole unit by means of a trolley

Characteristics

- Length: 2680 mm
- Maximum height: 1600 mm
- Minimum height: 1200 mm
- Width: 580 mm
- Weight: 50 kg

Comment

This support is necessary for painting removable elements in mini booth or standard booth.

Reference

CAR.800.01

Agreement

93.129

Guarantee

1 year parts and labour

Price

Price list page 10



CELETTE Steps

Step for better access when working at heights.

Description

- Support made of hardened steel with folding legs

Characteristics

- Length: 1000 mm
- Width: 300 mm
- Height: 400 mm
- Weight: 12 kg

Comment

Can be used for operations such as sanding, washing, painting on roof panels and commercial vehicles panels etc...

Reference

ESP MP 02

Agreement

93.072

Guarantee

1 year parts and labour

Price

Price list page 10



SERVICE
INFO

INTAIRCO Steps

Step for better access when working at heights.

Description

- Frame and anti-slip top in galvanized steel
- The legs can be folded for storage

Characteristics

- Length: 1000 mm
- Width: 300 mm
- Height: 370 mm
- Weight: 10 kg
- Maximum load: 100 kg

Comment

Especially useful in bodyshops for sanding, cleaning and painting of roofs and side panels of commercial vehicles.

Reference

C9001

Agreement

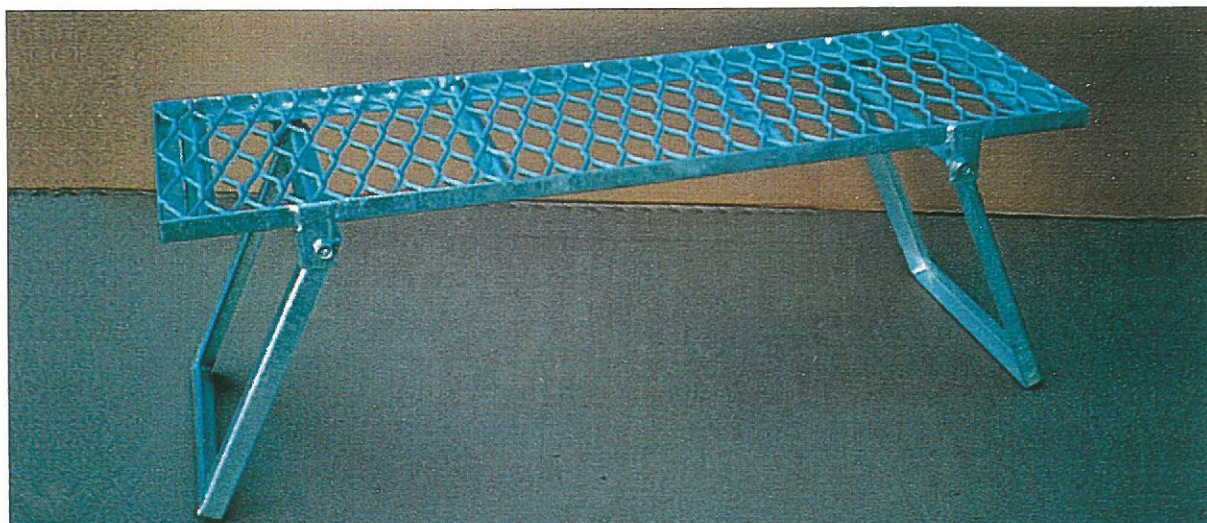
93.156

Guarantee

1 year, parts

Price

Price list page 10



INTAIRCO Mobile dust extraction unit

Mobile equipment used for extracting the dust produced by dry sanding operations.

Description

AS03 extraction system supplied with:

- 2160 W extractor with unblocking system 2 large wheels and 2 steering wheels
- Swivelling arm, 360° range
- Mobile chassis
- Worktop with shock-resistant cloth
- purification system, oiler
- Electropneumatic remote control for extraction machine
- 2 sockets for extraction tools
- 2 compressed air inlet valves with quick connect couplings
- 1 air inlet for blower
- 1 coaxial air-dust hose

Characteristics

- Length: 560 mm
- Length of coaxial hose: 5 m
- Width: 550 mm
- Height: 1780 mm
- Weight: 45 kg
- Power supply: 220 V single phase
- Supply pressure: 5-6 bar
- Consumption: 2160 W
- Capacity: 320 m3
- Vacuum: 24000 pa
- Contents of the reservoir: 58 l
- Power: 2000 W

Comment

Easy to handle, reliable system, essential in bodyshops. Optimizes the conditions of hygiene and safety.

Options

- Vibrating sander with rectangular shoe: ref. PA004 Orbital sander: ref. PA001
- Coaxial air/dust hose, 5 m long: ref. TA001

Reference

AS003

Agreement

93.154

Guarantee

1 year parts and labour

Price

Price list page 10



SERVICE
INFO

MULLER BEM Mobile dust extraction unit

Mobile equipment used for extracting the dust produced by dry sanding operations.

Description

- A complete rubbing down/sanding system with automatic extraction and integral air processing
- Dust separator specially designed for fine rubbing down dust particles
- Soundproofed fan unit
- Visible dust bag avoiding any necessity to handle the dust
- Filter cartridge fouling indicator
- Manual/automatic suction selector with indicator light
- Separate pressure point coaxial to the suction system
- Compressed air filter with sight gauge and bleed system
- Easy to handle because of its 4 wheels of which two are braked
- Lockable stowage locker

Other versions:

- Work position with rotary orbital sander ref. 3231 and coaxial hoses: ref. 810-3231
- Work position with vibrating orbital sander ref. 3237 and coaxial hoses: ref. 810-3237

Characteristics

- Vacuum: 22000 Pa
- Air throughput: 250 m³/h
- Maximum power: 2000 W

Comment

Easily moved and handled; Ensures optimum hygiene and safety conditions.

Options

- Standard coaxial extraction and supply hose: ref. 313932-40
- Armoured coaxial extraction and supply hose: ref. 313932-41

Reference

810

Agreement

93.049

Guarantee

1 year parts and labour

Price

Price list page 11



INTAIRCO Static dust extraction unit

Material for centralized extraction of sanding dust, etc....

Description

Upright, single piece system
02 CA with:

- Electrical operating panel
- Integrated lubrication turbine
- Filter sleeves
- Dust-proof self-cleaning filter block
- Purification and reducing device on the compressed air inlet
- Self-cleaning filters
- Direct discharge in workplace due to 99% filtering
- Comes in capacities of 200 m³/h to 2400 m³/h

Characteristics

- Length: 910 mm
- Width: 760 mm
- Height: 1020 mm
- Weight: 170 kg
- Power supply: 380 V three-phase
- Turbine speed: 1400 rpm
- Motor capacity: 1,5 kW (2hp)
- Extraction capacity: 185 m³/h

Comment

Accessory to the hinged energy supply arm.
Extendible to a number of workstations.

Option

- Extraction system (ml):
ref. RASP75

Reference

02CA

Agreement

93.150

Guarantee

1 year parts and labour

Price

Price list page 11



SERVICE
INFO

TEPSON Infra-red drier

Mobile apparatus for quick drying of putty, primer, varnish layers & paint.

Description

IRG infra-red drier on carriage equipped with:

- 4 wheels, 2 of which have brakes
- Bracket with jackscrew and locking system to keep panels in drying position
- Winding metre on one panel to indicate drying distance
- Multi-directional panel orientation
- Panels equipped with special lamps using "OR" special parabolas to aim short waves at surfaces for drying

Other version:

- OR series, 4 panels: ref. 410

Characteristics

- Panel length: 0.60 m
- Panel width: 0.40 m
- Power supply: 220 V 16 A
- Power
- 2 panels: 3200 W
- Drying surface: 1.20 m²
- Maximum panel height in relation to ground: 2.35 m

Comment

Infra-red GOLD dries stove-enamels, primer, putty, paint and varnish layers thoroughly and rapidly (8-10 min).

Reference

409

Agreement

93.115

Guarantee

1 year parts and labour

Price

Price list page 11



INTAIRCO Spraygun testing and cleaning cabinet

Material to paint test plates and small parts and clean the spray-gun.

Description

24 TNS combination of galvanized steel with:

- Stainless steel covering and box
- Worktop
- Centrifugal fan
- Lateral outlet
- Filter medium with progressive density on removable supports
- Light unit
- Electrical operating panel
- Purification reducing valve
- Electro-valve for spray-guns and accessories
- Storage cupboard
- Pressurized spray nozzles with directed spray
- Mounting system for spray-guns and accessories
- Pneumatic pump
- Air capacity control switch
- Timer
- Drain tap
- Filter sieve
- Automatic stop when cover of box is opened
- CRAM recommendations and INRS stipulations in accordance with prevailing standards

Characteristics

- Width: 930 mm
- Depth: 930 mm
- Height: 2450 mm
- Weight: 150 kg
- Supply power: 220 V, single-phase
- Energy consumption: 1 kW/h
- Supply pressure: 5 bar
- Air consumption: 5 m³/h
- Diameter of lateral outlet: 315 mm
- Duo-light unit: 2 x 18 W

Comment

Finding the right colour match is facilitated by spray-painting test plates in a ventilated room. Spray-guns can be cleaned automatically without disassembly.

Options

- Explosion-proof illumination: ref. CTE18X
- Explosion-proof fan: ref. ADF824
- Explosion-proof light switch: ref. IEX01
- Explosion-proof ventilator
- Switch: ref. IEX02
- Filter sieve: ref. EN900
- Filter medium: ref. CTM10

Reference

24TNS

Agreement

93.153

Guarantee

1 year parts and labour

Price

Price list page 11



SERVICE
INFO

INTAIRCO solvent recycling

Device to regenerate cleaning and paint solvents.

Description

27 EX unit comprising:

- Fully automatic cycle
- Air circulation condenser
- Upright or wall-mounted electricity cabinet
- Automatic operation with beam evaporation cone
- Solvent regeneration tank
- Collection of waste in a special bag
- All parts can be used under explosive conditions with ICIE quality mark

Characteristics

- Width: 720 mm
- Depth: 610 mm
- Height: 1280 mm
- Weight: 100 kg
- Power supply: 220 V, single-phase
- Output: 1500 W explosion-proof
- Hourly production: 5 to 10 l
- Reservoir capacity: 28 l
- Oil content: 19 l
- Solvent recuperation rate: 80-95 %

Comment

Explosion-proof material with which up to 1 tonne of solvent can be treated each month. In accordance with the prevailing legal stipulations.

Options

- Collection bag: ref. S20 (roll of 10 bags)
- Diathermic oil: ref. H20
- Support leg

Reference

27EX

Agreement

93.160

Guarantee

1 year parts and labour

Price

Price list page 11



CEMAC Solvent recycling with gun cleaning

Combined apparatus for cleaning spray guns and recycling solvents.

Description

- Dual function unit Modul Net on support comprising:
 - A compartment for the automatic slow-release cleaner (capacity: 2 guns)
 - A compartment for the regeneration of solvents by distillation
- The closed-circuit transfer of the soiled solvent is carried out via a pneumatic valve
- The unit complies with the explosion-proof standards VDE 171

Characteristics

- Width: 1100 mm
- Depth: 650 mm
- Height: 1250 mm
- Weight: 160 kg
- Mains voltage: 220 V
- Compressed air pressure: 5 bars
- Consumption: 1000 W
- Recycling capacity: 12 l
- Distillation temperature: 40 to 160°

Comment

Saves solvents and time, reduces harmful vapours, suppresses handling of toxic products.

Options

- Bags for the recovering of distillates: ref. Z00600200H
- Oil for the heater: ref. Z00670000H

Reference

Z00012000H

Agreement

93.108

Guarantee

1 year

Price

Price list page 11



SERVICE
INFO

INTAIRCO Solvent recycling with gun cleaning

Combined apparatus for cleaning spray guns and recycling solvents.

Description

- System supplied ready for operation
- Made of electrogalvanized sheet
- Enamelled epoxy coating
- Electric operating panel
- Stainless steel work top
- Compressed air reducing and oiler device
- Pneumatic pumps, pneumatic timer
- Stainless steel cleaning bath for 2 spray-guns and accessories
- Air or water cooling system
- Recycler for polluted solvents
- The system is ventilated by means of a centrifugal fan, the capacity and air speed of which are in accordance with prevailing standards
- Automatic transfer of the polluted solvent from the cleaning bath to the recycler
- Apparatus in accordance with the CRAM recommendations

Characteristics

- Width: 1200 mm
- Depth: 750 mm
- Height: 2450 mm
- Weight: 250 kg
- Power supply: 220 V, single-phase
- Supply pressure: 5-6 bars
- Output: 1540 W
- Pneumatic pump capacity: 7 l/min
- Discharge diameter: 315 mm
- Reservoir capacity: 28 l

Comment

Equipment for the automatic cleaning of spray guns. Paint tests on test plates.

Approximately 80% of the solvents treated can be re-used.

Options

- Plastic bag for the collection of waste: ref. S20 (roll of 10 bags)
- Diathermic oil: ref. H20
- Filter sieve: ref. EN900
- Filter medium: ref. CTM10

Reference

PACK01

Agreement

93.159

Guarantee

1 year parts and labour

Price

Price list page 11





4.2 SPRAYBOOTHS

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BLOWTHERM Spraybooth

Material for applying and drying laquers and varnish for private and commercial vehicles.

Description

- Prelaquered galvanized steel booth
- Double layer sandwich construction with 60 mm rock wool insulation
- Side or rear unit equipped with 4 high pressure direct-driven turbines
- 300 kW "Maxon" air stream gas burner
- Daylight type lighting: behind fixed compound glass
- Galvanized steel grate (800 kg/m) (200 mm x 200 mm pattern)
- Booth roof reinforced by parts-carrier rail
- 2 compound glass service doors, one of which is in the front
- Filter soiling control device and long-distance register control
- Unit and burner power can be increased without modifying the structure if new generations of paints are to be used
- In conformity with CRAM standards, INRS ND 1449-113.83 and NF 35009 recommendations and executive order of 12/02/89

Characteristics

- Exterior length: 6.90 m
- Exterior width: 4.10 m
- Exterior height: 3.36 m
- Interior length: 6.75 m
- Interior height: 2.70 m
- Service door width: 2.44 m
- Service door height: 2.68 m
- Emergency door width: 0.80 m
- Emergency door height: 2.63 m
- Power: 380 V Tri 50 Hz
5 conductors (3 Ph + N + G)
- Turbine capacity: 4 x 5.5 kW
- Extraction and propulsion ventilation: 34.000 m³/h
- Lighting: 1150 lux/mc
- Filtering surface: 21 m²
- Duration of class M2 filters: 1.000 h
- Maximum air speed: 0.7 m/s
- Maximum operational temperature: 120°
- Operational temperature: -15° to +80°
- Temperature increase: from -20° to 60° in 6 min & from -20° to 80° in 8 min

Comment

Price includes transport and assembly Open-ended booth. Rapid heat rise Booth: 10 year anticorrosion guarantee.

Options

- 6 m x 4 m booth: ref. extra 114/53
- 4 -leaf door unit for tunnel: ref. P08/02
- 3-leaf door unit for tunnel: ref. P04/59
- Burner: FOD
- Burner: city gas and propane-air mixture
- For cities, extraction system using activated carbon filtering

Reference

Extra 6.75

Agreement

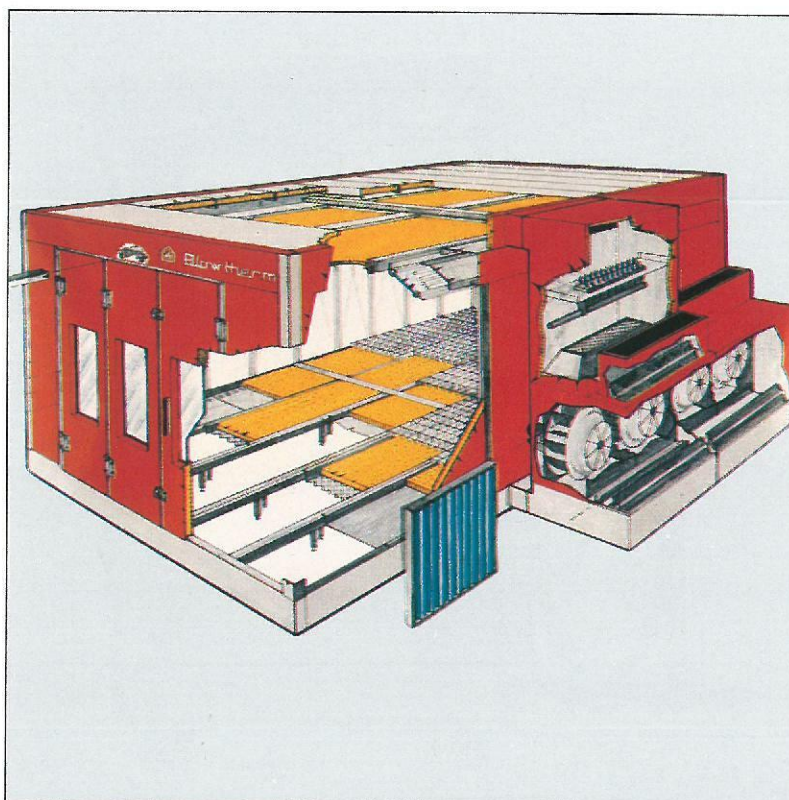
93.119

Guarantee

1 year parts and labour

Price

Price list page 11



WEINMANN Spraybooth

Material for applying and drying laquers and varnish for private and commercial vehicles.

Description

- Price includes transport and assembly
- Combined booth with low pressure vertical ventilation
- Ventilation aperture with prefiltering outside the workshop enclosure
- Separation of paint pigments by extraction through dry filters
- Air heating and baking running on fuel oil or gas
- Cabinet with automatic adjustment and recycling control by microprocessor
- Filter ceiling made of stainless steel composed of two parts lowered by winch
- Side walls in prelacquered sandwich (rock wool) panels
- Finger anti-pinch device on 3-leaved door
- Audio and visual alarm, inside and outside, triggered by ventilation monitoring
- This equipment complies with safety and hygiene standards decree n° 90-53 dated 12.01.90, order dated 03.05.90 and circular dated 09.05.90
- Rise in air speed to AFNOR T35009 standard

Characteristics

- Internal length: 6.50 m
- Internal width: 4.00 m
- Internal height: 2.80 m
- Access door width: 2.66 m
- Access door height: 2.72 m
- Emergency door width: 0.85 m
- Emergency door height: 2.05 m
- Supply: 3 x 380 V + Neutral + Earth
- Prefiltering surface area: 18 m²
- Heating surface area: 22 m²
- Extraction surface area: 16 m²
- Galvanised floor grating size: 513 x 950 mm, load of 500 kg per wheel
- 8 panels of four fluorescent tubes: 65 W
- Tube length: 1.5
- Total power (8): 2080 W
- Illumination level: 1000 Lux daylight quality
- Sound level: 75 to 80 dBA
- Centrifugal turbine blast: output 32,000 m³/h, 11 kW motor at 1500 rev/min

Comment

High technology equipment, very good reliability and regularly brought up to date under the control of DRIRE, CRAM and INRS. Contractual guarantee extension.

- Centrifugal turbine extraction output 30,000 m³/h, 7.5 kW motor at 1000 rev/min
- Heating: 270,000 Kcal/h

Options

- Booth on civil engineering or on a chassis
- Equipment on woodwork above the booth

Reference

SMD

Agreement

93.089

Guarantee

1/5 years with contrat

Price

Price list page 11

- Side drying oven: ref. E 1L, extension: ref. E 1P
- Activated carbon panel on air extraction
- Elevating platform
- Storage area for infra-red system
- Maintenance and breakdown service contract



SERVICE
INFO

TEPSON Ventilated open spraybooth

Ventilated equipment for applying mastic and primers on components.

Description

- Double louvre turbo exhauster booth
- Made of 15/10th galvanized sheet iron
- High performance "Columbus" Dry filters
- Electric panel equipped with isolating switch, contactor and heat protection (in conformity with EC standards)
- Electrovalve to regulate spraying to ventilator use
- Projection of 15/10th White prelaquered sheet iron
- Lighting: 2 x 58 W under fixed compound glass
- In conformity with the practical ventilation guide N° 9 (INRS)

Other versions:

- Length 4 m, protection 1 m: ref. CFS 04
- Length 5 m, protection 1 m: ref. CFS 05
- Length 6 m, protection 1 m: ref. CFS 06

Characteristics

- Length: 3.00 m
- Width: 1085 m
- Protection: 1.00 m
- Air shaft diameter: 0.63 m
- Weight: 185 kg
- Compressed air induction: 10 bars
- Electric power: Tri 380 V 50 Hz (3 phases + neutral + ground)
- capacity 1 ventilator: 12.000 m³/h
- Ventilator power: 3 kW
- Total consumption with lighting: 3.116 kW

Comment

Adjustable construction essential for applying primers before painting.

Reference

CFS 03

Agreement

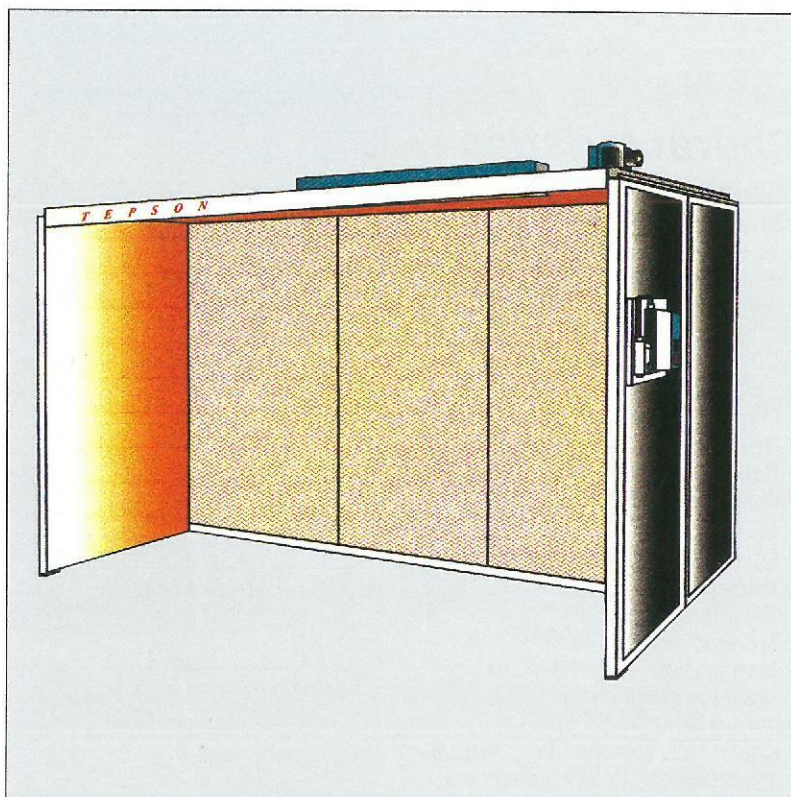
93.112

Guarantee

1 year parts and labour

Price

Price list page 11



WEINMANN Ventilated open spraybooth

Ventilated equipment for applying mastic and primers on components.

Description

- Application area open to horizontal ventilation capturing paint mists
- Resins and pigments are stopped by a dry-filtering agent; solvent vapours are captured by an extraction duct
- The enclosure is equipped with a spare glass fibre or special paper filter roll, 20 metres in length. When the filter is saturated, it is sufficient to unroll a new length to replace the clogged surface simply by moving the tension bars

Characteristics

- Width: 3 m
- Height: 2 m
- Depth: 1.25 m
- Air output from the centrifugal ventilator: 14,000 m³/h
- Power: 3 kW
- Speed: 1440 rev/min
- Supply: 220/380 V Triphase
- Fluorescent tube length: 1.20 m
- Unit power: 72 W
- Total power: 288 W

Comment

Booth adaptable by means of a 1.50 m wide panel. Usable for painting detachable items.

Options

- Extension of the booth in electrogalvanised 15/10 sheet metal fitted with
- Lighting by 4 IP55 environmentally sealed enclosures, each equipped with 2 fluorescent tubes with compensated starter

Reference

CS 30

Agreement

93.091

Guarantee

1 year parts and labour

Price

Price list page 11



SERVICE
INFO

BAS Mini-spraybooth

Material for applying primers and for infra-red drying of removable parts.

Description

- Booth with horizontal ventilation
- Built of prelaquered galvanized steel, double layer insulated side panels
- 1 2-leaf compound glass door (service leaf has safety device)
- Daylight type lighting in 3 groups
- Exterior fixing with fixed compound glass
- 2 ventilation units and extractor for dissolving stage
- "Gold" series mobile infra-red system for drying
- Electric control panel located outside (with safety devices ; in conformity with EEC standards)
- Electrovalve opening for compressed air during spraying stage
- Blowing filtration ("Freudenberg PA 560 G10" filter) ; extraction filtration ("high capacity COLOMBUS" filter)

Characteristics

- Exterior length: 5.35 m
- Exterior width: 3.00 m
- Exterior height: 3.05 m
- Weight: 960 kg
- Effective operation surface: 11.60 m²
- Extraction filtration surface: 6.46 m²
- Blowing extraction surface: 5.20 m²
- Turbine capacity: 2 x 3 kW
- Auxiliary ventilator capacity: 0.75 kW
- Extraction conduit diameter: 630 mm
- Lighting capacity: 3 caissons of 2 x 58 W

Comment

Unit permits reduction in operating costs in preparing and painting new or restructured car body pieces. Its size permits work site installation.

Option

- Dust-preventing pedestrian floor grate: ref. CP 12040

Reference

MC5853

Agreement

93.236

Guarantee

1 year parts and labour

Price

Price list page 11



BLOWTHERM Paint preparation booth

Ventilated, lighted enclosed space for paint preparation equipment.

Description

- Prelacquered double layer sheet iron construction
- Rock wool insulation
- Compound glass door with "anti-panic" control system
- High and low ventilation aperture for filtered air
- Extractor connected to lighting (exterior evacuation), hourly air renewal: minimum 15 times laboratory volume
- Exterior control box next to entrance
- Solvent retention by ground-anchored base
- Daylight-type lighting: 3 fluorescent tubes, with compound glass protection
- Extension possible by 0.75 m module with 1 or 2 service doors

Characteristics

- Length: 3.00 m
- Width: 2.25 m
- Height: 2.50 m
- Weight: 560 kg
- Entrance door width: 0.78 m
- Entrance door height: 2.08 m
- Ventilator power supply: 220 V mono 50 H 110 W
- Total lighting power: 114 W

Comment

Room in which operator is protected against risks of fire, explosion or spilling of products during preparation.

Options

- Work table with pneumatic ventilation: ref. 0571
- Fire damper equipment: ref. 513665
- Key-operated safety lock: ref. 375225

Reference

BQ 11/81

Agreement

93.116

Guarantee

1 year parts and labour

Price

Price list page 11



SERVICE
INFO

WEINMANN Paint preparation booth

Ventilated, lighted enclosed space for paint preparation equipment.

Description

- Premises in double or single-sided panels, prelacquered and assembled with rock wool sandwiched between
- Angle sections in aluminium
- The glass access door is equipped with automatic door closure
- Three glass portholes on one side
- Equipped with a dry filter with air intake outside the workshop
- Solvent vapours are captured by a semi-horizontal ventilation through an extractor duct
- Illumination is provided by two IP55 flush panels each comprising two tubes with compensated starter, giving 600 Lux of daylight quality
- The premises has available an external control box
- It is available in any non-standard size
- Centrifugal feedback ventilation

Characteristics

- Length: 3.50 m
- Width: 2.50 m
- Height: 2.50 m
- Door width: 0.85 m
- Door height: 2.05 m
- Prelacquered metal sheet thickness: 1.5 mm
- Free air flow: 1400 m³/h
- Power: 0.37 kW
- Speed: 1440 rev/min
- Supply: 220 V/380 V Triphase
- Fluorescent tube length: 1.20 m
- Unit power: 72 W
- Total power: 144 W

Comment

Allowing protection of the operator against risks of fire, explosion and scattering of products. Complies with NFT 35014 standard. Included transport and assembly.

Options

- Paint preparation table
- ADF electrical connector
- Prelacquered or stainless steel shelf

Reference

LABO SMD

Agreement

93.090

Guarantee

1 year parts and labour

Price

Price list page 11



GAMAIN Daylight light unit

Lighting fixture for perfect colour discernment.

Description

- Complete spectrum from ultra-violet to 750 nanometer red, balanced at 6500 Kelvin

Composed of:

- 1 HF plat
- 1 10/10 sheet metal body
- 1 safety glass lamp bowl

Characteristics

- Length: 1600 mm
- Width: 740 mm
- Thickness: 125 mm
- Weight: 25 kg
- High frequency power supply: 380 W
- Mains supply: 220 V 50 Hz
- Effective lighting surface: 3 x 3 m
- Illumination at 150 m: 1750 lux
- Supply lifetime: 7000 H
- Fixing between centres: 800 x 540 mm
- To obtain quality close to standard, the sources must be changed annually

Comment

Indispensable body shop and paint workshop equipment. Permits colour comparison of painted elements.

Options

- Time meter
- Double D65/A lighting

Reference

1865 HF

Agreement

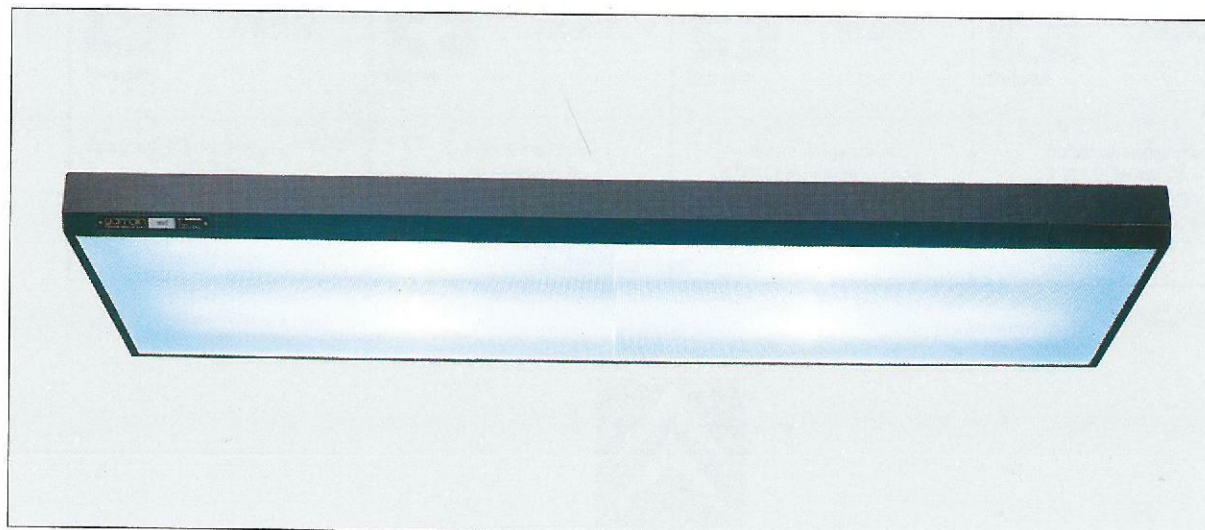
93.158

Guarantee

1 year parts and labour

Price

Price list page 11




SERVICE
INFO

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DOCUMENTATION INFO

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How to complete the reply coupon:

- 1. Complete the sections opposite, specifying:**
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 - your name, address and telephone number.
- 2. Write the supplier's name and address on the back (the addresses are on page 2 of the price list)**
- 3. Cut the coupon out, place in an envelope, affix a stamp and post.....**

... and very soon the information you need will arrive in your office, enabling you to purchase the right equipment!



DOCUMENTATION INFO

☐ Request for documentation

☐ Request for demonstration

Reference no. of the equipment you are interested in:

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Sender:

Name:

Company:

No: Street:

Postcode:

Town:

Country:

Language:

Tel. :

☐ Succersale ☐ Main dealer

☐ Service dealer ☐ Other:

Part to be returned



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Part to be returned



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Postcode: Town:

Part to be returned



DOCUMENTATION INFO

To:

Company:

.....

No: Street:

.....

Postcode: Town:

p r i s l i s t e

UDSTYR & MATERIEL

AUTOMECHANIKA 1994



CITROËN

SAMMENSLUTNINGEN AF FORHANDLERE AF KATALOGET "UDSTYR OG MATERIEL"

ALENTEC

Box 108 S-13223 FALTFJO BOO
SVERIGE Tlf. 4687150240 Fax 4687152074

AUTOTEST

Po Box 2523 Vermundsgade 13-15 DK-2100 COPENHAGEN
DANMARK Tlf. 0.31.839500 Fax 0.31.839900

BADEN

Transformervej 11 DK-2730 HERLEV
DANMARK Tlf. 45.429.103.22 Fax 45.429.156.4

BECH-LAURSEN

Staktoften 14 DK-2950 VEDBAEK
DANMARK Tlf. 42/890344 Fax 42/890341

BERNER

Postbox 197 DK-9400 NORRESUNDBY
DANMARK Tlf. 98 15 15 00 Fax 98 19 24 14

BOSCH

Telegrafvej 1 DK-2750 BALLERUP
DANMARK Tlf. 44 68 68 68 Fax 44 68 68 78

CALIFORNIA

Postbox 130 - Molledamsvej 12 DK-3460 BIRKEROD
DANMARK Tlf. 42 81 29 11 Fax 42 81 52 26

CAR-O-LINER

Livovej 33 DK-8800 VIBORG
DANMARK Tlf. 86.602.525 Fax 86.602.050

ELEKTRO

Valhojs Allé 179 DK-2610 RODOVRE
DANMARK Tlf. 0045/41702599 Fax 0045/41702188

ELMA

Lerhøj 15 DK-2880 BAGSVAERD
DANMARK Tlf. 44 49 10 00 Fax 44 49 10 02

FRANK

Postfach 1361 D-35663 DILLENBURG
TYSKLAND Tlf. (2771)98462 Fax (2771)98496

GKL

Stantsevein 30 N-903 OSLO
NORGE Tlf. 47.22.16.40.50 Fax 47.22.25.01.46

KETNER

Sankt Kjelds Plads 12-Postboks 2609 DK-2100 KOBENHAVN O
DANMARK Tlf. 45.39.29.12.50 Fax 45.39.29.03.04

KEW

Industrikvarteret DK-9560 HADSUND
DANMARK Tlf. (45)98 57 21 11 Fax (45)98 57 40 13 Telex 35851 KEW DK

LILLELUND

Staktoften 14 DK-2950 VEDBAEK
DANMARK Tlf. 45.42.89.11.22 Fax 45.42.89.45.47

LINDE

Bodkervej 2 DK 7100 VEJLE
DANMARK Tlf. 75-858255 Fax 75-859250 Telex 61126

LOEWENER

Krondalvej 11 DK-2610 RODOVRE
DANMARK Tlf. 04/494 96 11 Fax 04/494 68 01

LUNDSTROEM

Eijlersvej/Lupinvej DK-4700 NÆSTVED
DANMARK Tlf. 05/372 41 50 Fax 05/373 54 01

ORANIER

Parkvn. 4 N-105 LANGHUS
NORGE Tlf. 64-867260 Fax 64-867622

ORLA

Baldersbuen 41 DK 2640 HEDEHUSENE
DANMARK Tlf. 46.59.01.33 Fax 46.59.03.30 Telex 33100 + CARLO DK

OSTERGAARD

Wichmandsgade 12 P.O. Box 913 DK-5100 ODENSE
DANMARK Tlf. (66) 13 67 00 Fax (66) 14 76 71

PETERSEN

Skovlytoften 5 DK-2840 HOLTE
DANMARK Tlf. 42.422.111 Fax 42.422.122

PLG

Surbrunnsgatan 57 S-11357 STOCKHOLM
SVERIGE Tlf. (46) 832 28 00 Fax (46) 831 56 05

PORHON

Teollisuuskatu 4 95420 TORNIO
FINLAND Tlf. 9698 446 912 Fax 9698 446 918

RECENT

6, Landbrugsvej DK-5260 ONDENSE
DANMARK Tlf. 066-14.34.00 Fax 066-14.59.28

SAF

Jernholmen 43-47 DK-2650 HVIDOVRE
DANMARK Tlf. 36 77 30 00 Fax 36 77 20 10 Telex 12200

SALINVEST

Marielundvej 48b DK-2730 HERLEV DENMARK
DANMARK Tlf. 45 44 92 11 77 Fax 45 44 92 23 777

SINDBY

Bommerhavevej 41 - Sløde DK-7100 VEJLE
DANMARK Tlf. 75 88 21 22 Fax 75 88 22 40

SIRIUS

Broenge 20 DK 2635 ISHOJ
DANMARK Tlf. 43 71 52 22 Fax 43 71 52 23

SKANEKS

Vibeholmsvej 31 DK-2605 BRONDBY
DANMARK Tlf. 043/44 42 99 Fax 043/44 44 33

SPROTEUDSTYR

Baldershoj 36 E DK-2635 ISHOJ
DANMARK Tlf. 1 78 36 19 Fax 86 68 30 35 Telex 19082

WAECO

Tvaervej 2 - Postbox 1 DK-6640 LUNDERSKOV
DANMARK Tlf. 75.585.966 Fax 75.586.307

WESUMAT

Sofiendalvej 8 DK-5500 MIDDELFART
DANMARK Tlf. 64.40.18.62 Fax 64.40.27.68

1. ALMINDELIGT UDSTYR

1.1 INVENTAR

INDRETNING/OPSTILLING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
8	Værktøjstavle	FACOM	OSTERGAARD	PK.4	DKK 388,50
9	Rullebord til fralægning og ordning af værktøj	FACOM	OSTERGAARD	CIT.2475	DKK 2.061,00

ARBEJDSBORDE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
10	Vægskab eller skab ved arbejdsbord	FACOM	OSTERGAARD	2101.AT	DKK 5.564,00
11	Arbejdsbord	FACOM	OSTERGAARD	2104.150 AA	DKK 14.196,50
12	Arbejdsbord	MULLER	AUTOTEST	111050	DKK 3.679,15

1.2 HÄNDVÆRTØJ

KRAFTMÅLING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
14	Momentnøgle	FACOM	OSTERGAARD	S.310	DKK 3.880,50
15	Moment - skruetrækker	FACOM	OSTERGAARD	A.312J1	DKK 2.760,50

FORSKELLIGT VÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
16	Udvalg af mekanikerværktøj	FACOM	OSTERGAARD	CIT.MECA	DKK 12.677,00
17	Udvalg af mekanikerværktøj	MULLER	AUTOTEST	111021-500	DKK 6.776,60
18	Udvalg af mekanikerværktøj	GEDORE	AUTOTEST	S149 M-CIT	DKK 10.666,00
19	Diverse værktøj til karrosseri	FACOM	OSTERGAARD	CIT.CAR	DKK 20.670,00
20	Diverse værktøj til karrosseri	MULLER	AUTOTEST	111021-2000	DKK 11.702,13
21	Diverse værktøj til karrosseri	GEDORE	AUTOTEST	S 163 C-CIT	DKK 14.767,00
22	Diverse el-værktøj	FACOM	OSTERGAARD	CIT.ELEC	DKK 12.479,50
23	Diverse el-værktøj	MULLER	AUTOTEST	111021-1000	DKK 6.436,17
24	Diverse el-værktøj	GEDORE	AUTOTEST	S 131 E-CIT	DKK 7.402,00
25	Udvalg af måleværktøj	FACOM	OSTERGAARD	809.J2	DKK 2.779,50
26	Udvalg af skruetrækkere	FACOM	OSTERGAARD	R.402	DKK 884,50
27	Udvalg af værktøj til rensning	FACOM	OSTERGAARD	TV.3C	DKK 2.370,00
28	Udvalg af værktøj til hjul	FACOM	OSTERGAARD	CIT.ROU	DKK 4.582,31
29	Udvalg af værktøj til affjedring	FACOM	OSTERGAARD	CIT.SUS	DKK 18.930,50
30	Udvalg af værktøj til bremses	FACOM	OSTERGAARD	CIT.FRE	DKK 6.279,00
31	Gevindskærværktøj	FACOM	OSTERGAARD	221.227J2	DKK 4.923,00
32	Sæt bogstaver til indhugning	FACOM	OSTERGAARD	292.4	DKK 444,50
33	Boltudtrækker	FACOM	OSTERGAARD	885	DKK 753,00
34	Underlags-præcisionsplade	MULLER	AUTOTEST	206405-150	DKK 7.005,96

VÆRKSTEDSBORDE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
35	Værkstedsrullebord	FACOM	OSTERGAARD	CHRONO 5	DKK 3.727,50
36	Værkstedsrullebord	MULLER	AUTOTEST	111021-5	DKK 2.819,15
37	Værkstedsrullebord	GEDORE	AUTOTEST	1580CIT	DKK 4.492,00

1.3 FASTINSTALLERET VÆRKTØJ

PRESSE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
40	Hydraulisk Presse	FOG	ORLA	255 9021	DKK 14.186,00

HOLDERE / STATIVER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
41	Holderarm	CELETTE	ORLA	ESP PBE 60	DKK 27.933,00
42	Holderarm	INTAIRCO	ALENTEC	BM 601	DKK 14.917,00

LUFTKOMPRESSORER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
43	Kompressor med stempel	CREYSSENSAC	SALINVEST	PX.5007B	DKK 26.390,00
44	Kompressor med stempel	COMPAIR LUCHARD	ORLA	526 9831	DKK 40.465,00
45	Kompressor	CREYSSENSAC	SALINVEST	Rollair 4000 x	DKK 114.827,00
46	Kompressor	COMPAIR LUCHARD	ORLA	526 9815	DKK 77.907,00
47	Luftbeholder	CREYSSENSAC	SALINVEST	1000 I	DKK 11.270,00
48	Luftbeholder	COMPAIR LUCHARD	ORLA	526 9967	DKK 14.267,00
49	Luftaffugter	CREYSSENSAC	SALINVEST	CW 36	DKK 35.896,00
50	Luftaffugter	COMPAIR LUCHARD	ORLA	526 8094	DKK 22.442,00
51	Filter til komprimeret luft	CREYSSENSAC	SALINVEST	871.HF	DKK 3.425,00
52	Filter til komprimeret luft	COMPAIR LUCHARD	ORLA	526 8085	DKK 4.535,00
53	Dekanteringsapparat	CREYSSENSAC	SALINVEST	DHE 3	DKK 8.471,00

SPOLE / RULLE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
54	Automatisk opruller	ZECA	LINDE	907 F	DKK 1.170,00
55	Automatisk opruller til trykluft	ZECA	LINDE	813/PAIR/E	DKK 1.835,00
56	Automatisk opruller til trykluft	VACULA	BOSCH	RE8X10V	DKK 2.495,00

UDSUGNINIG

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
57	Apparat til udsugning af udstødningssgas	TEPSON	RECENT	R61CV	DKK 22.300,00

STENSLIBER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
58	Bænkslibemaskine	FACOM	OSTERGAARD	E.417MB380	DKK 4.326,00

1.4 LØFTE OG LOSSEVÆRKTØJ

BUKKE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
60	Bukke	FACOM	OSTERGAARD	CHL.R2	DKK 984,50

DONKRAFT

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
61	Værkstedsdonkraft	FOG	ORLA	100 9302	DKK 2.151,00
62	Værkstedsdonkraft (lav)	CMD	ORLA	MR 91/2	DKK 5.808,00

LIFTE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
63	To-søjlet lift	ZIPPO	BOSCH	9 684 162 020	DKK 35.241,00
64	To-søjlet lif	FOG	ORLA	000 4203	DKK 39.419,00
65	Fire-søjlet lift	FOG	ORLA	000 4204	DKK 79.186,00
66	Sakselift	ZIPPO	BOSCH	9 684 162 095	DKK 176.325,00
67	Sakselift	FOG	ORLA	000 4205	DKK 150.465,00
68	Sakselift	MULLER	AUTOTEST	678-4 B	DKK 140.624,47
69	Sakselift	MAHA	KETNER	DUO 1//T/PMS 3X/PP	DKK 250.100,00
70	Sakselift	OMER	GKL	CONCORD 35 I	DKK 64.300,00
71	Lav Sakselift (trykluft)	FOG	ORLA	426 9700	DKK 24.070,00
72	Løftebord	HERCULES-LIFT	BADEN	K 900-12	DKK 19.467,20

KRAN

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
73	Værkstedskran	DEWET	ORLA	Giraffe Standard 2000 kg	DKK 26.593,00
74	Balancekæde	CHURCHILL	CALFORNIA	1805	DKK 3.220,00

RULLEVOGNE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
75	Rullevogn	DESVIL	ORLA	CM3000	DKK 5.163,00
76	Rullevogn til motoraggregat	DESVIL	ORLA	CDM1200	DKK 3.700,00

MOBILT HEJSEAPPARAT

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
77	Komponentelevator	DESVIL	ORLA	V703ST	DKK 8.256,00

1.5 SIKKERHED / BESKYTTELSE

SIKKERHED

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
80	Filter til rensning af udstødningssgas	EHC	BERNER	4060200/115	DKK 770,00
81	Væskesuger	OUTELEC	ORLA	VAC 300	DKK 46.279,00
82	Væskesuger	OUTELEC	ORLA	VAC 150	DKK 45.640,00

BESKYTTELSE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
83	Beskyttelsessæt	FACOM	OSTERGAARD	CIT.PROTECT	DKK 1.359,50
84	Beskyttelsessæt	SAF	SAF	PROTECT CIT	DKK 3.476,45

1.6 RENSNING / VASK

STØVSUGNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
86	Industristøvsuger	MAXXI	ORANIER	663653	DKK 4.076,00
87	Industristøvsuger	KEW	KEW	WD70-21	DKK 6.036,00

RENSNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
88	Højtryksrenser	FRANK	FRANK	662680	DKK 29.797,00
89	Højtryksrenser	FOG	ORLA	560 9300	DKK 28.419,00
90	Højtryksrenser / spuler	KEW	KEW	6296108	DKK 19.209,00
91	Støvsuger	MAXXI	ORANIER	664303	DKK 7.291,00
92	Støvsuger	EURO STEAM	KEW	ES 15.2	DKK 5.643,00
93	Rensekar	FOG	ORLA	577 9013	DKK 7.788,00
94	Rensekar	KEW	KEW	1109810	DKK 7.513,00
95	Fejemaskine	RCM	KEW	RCM T850S	DKK 89.889,00
96	Gulvvaskemaskine	RCM	KEW	LB66	DKK 77.292,00

VASK

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
97	Vaskekabine	KEW	KEW	1702 K.S.A	DKK 85.272,00
98	Vaskehal m. automatvask	WESUMAT	WESUMAT	SOFTWASH *	DKK 507.051,00
99	Vaskehal m. automatvask	FOG	ORLA	550 9003	DKK 399.709,00

* N800000 => SOFTWASH

2. MEKANISK UDSTYR OG VÆRKTØJ

2.1 AFFJEDRING - UNDERVOGN

HJUL, TRYKLUF

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
102	Dækapparat	FACOM	OSTERGAARD	UTM.250	DKK 15.225,00
103	Dækapparat	MULLER	AUTOTEST	3636	DKK 18.478,72
104	Dækapparat	CORGI	LILLELUND	A 2001 S	DKK 20.090,00
105	Apparat til hjulafbalancering	FACOM	OSTERGAARD	U.307-403	DKK 95.256,00
106	Apparat til hjulafbalancering	MULLER	AUTOTEST	1625-3 C	DKK 28.906,38
107	Apparat til hjulafbalancering	CORGI	LILLELUND	EM 73 C	DKK 32.530,00
108	Apparat til oppumpning af dæk	MULLER	AUTOTEST	205220	DKK 4.361,70
109	Tryklufpistol til oppumpning af dæk	WONDER	LILLELUND	1822	DKK 526,00
110	Dækapparat	PROVAC	LILLELUND	SUPER	DKK 2.437,00
111	Kar til testning af dæks lufttæthed	PROVAC	LILLELUND	80/1	DKK 5.830,00
112	Apparat til hjulafbalancering	MULLER	AUTOTEST	5610-2	DKK 51.010,64

FOR - OG BAGTØJSUDMÅLERE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
113	Elektronisk firehjulsumåler	MULLER	AUTOTEST	8670-4DB15	DKK 105.851,06
114	Elektronisk firehjulsumåler	HUNTER	LILLELUND	L 111 VP4 C	DKK 191.250,00
115	Elektronisk firehjulsumåler	FACOM	OSTERGAARD	GTR.100-404P	DKK 71.841,00
116	Elektronisk for- og bagtøjsudmåler	MULLER	AUTOTEST	665.933.7	DKK 55.273,40
117	Elektronisk for- og bagtøjsudmåler	HUNTER	LILLELUND	M 111 VP4 C	DKK 123.700,00

2.2 BREMSER

REPARATIONSVÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
120	Apparat til afrensning af bremsesøstø	FOG	ORLA	578 9219	DKK 13.388,00

BREMSESKONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
121	Bremseprøvestand	MULLER	AUTOTEST	5000 - 1 L-F-PE	DKK 100.851,06
122	Bremseprøvestand	MAHA	KETNER	IW MONITOR PI	DKK 105.800,00
123	Stand til kontrol af bremses og affjedring	BOSCH	BOSCH	Autocompact 1600/PSA	DKK 236.506,00
124	Stand til kontrol af bremses og affjedring	FOG	ORLA	565 9032	DKK 264.419,00
125	Stand til kontrol af bremses og affjedring	MULLER	AUTOTEST	6000-1	DKK 243.617,02
126	Stand til kontrol af bremses og affjedring	MAHA	KETNER	PACK SF	DKK 236.700,00
127	Stand til kontrol af bremses og affjedring	SOURIAU	SIRIUS	1805V	DKK 251.950,00
128	Vipperampe	FOG	ORLA	565 9067	DKK 46.395,00

2.3 BELYSNING

LYGTEJUSTERING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
130	Apparat til justering af forlygter	BOSCH	BOSCH	0 684 100 921	DKK 8.346,00
131	Apparat til justering af forlygter	SARO	ORLA	CANDELIC	DKK 9.000,00

2.4 VENTILATIONSANLÆG

VENTILATIONSANLÆG

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
134	Transportabel fyldestation for R 134 a	DIAMIA	WAEKO	AT41147	DKK 95.400,00
135	Transportabel fyldestation for R 134 a	ROBINAIR	LOEWENER	X 95187-134 CIT	DKK 10.470,00

136	Transportabel fyldestation for R 134 a	DAVIA	WAECO	AT 41140	DKK 150.000,00
	Transportabel fyldestation (genbrug) for R 134 a	DAVIA	WAECO	AT 41167	DKK 50.400,00
137	Transportabel fyldestation for R 134 a	ROBINAIR	LOEWENER	X 95802 - 134 CIT	DKK 14.035,00
	Transportabel fyldestation (genbrug) for R 134 a	ROBINAIR	LOEWENER	X 34701 CIT	DKK 37.100,00
138	Transportabel fyldestation (genbrug) for R 12	ROBINAIR	LOEWENER	X 17701 CIT	DKK 42 680,00

2.5 MATERIEL TIL MOTORAGGREGAT

MATERIEL TIL MEKANISK KONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
140	Materiel til kontrol af motorens kølekredsløb	MULLER	AUTOTEST	203040-100	DKK 3.000,32
141	Honer	MULLER	AUTOTEST	204310-211	DKK 1.518,30
142	Ultraviolet detektor til olielækage	SPECTRONICS	SKANEKS	YA 100 COF	DKK 4.200,00
143	Elektronisk stetoskop	TECNOTEST	BECH-LAURSEN	MOD 8000	DKK 1.048,00
144	Termometer	CHAUVIN ARNOUX	ELMA	007270.95	DKK 1.295,00
145	Transportabelt apparat til kontrol af forvarmerrør	LEITENBERGER	LUNDSTROEM	T973	DKK 1.159,00
146	Kuffert med kompressionsmåler (benzin)	MULLER	AUTOTEST	203101-100	DKK 2.590,00
147	Olietryksmåler	MULLER	AUTOTEST	203125-100	DKK 5.791,81

MATERIEL TIL ELEKTRISK KONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
148	Numerisk multimeter	CHAUVIN ARNOUX	ELMA	1808.02	DKK 1.975,00
149	Numerisk multimeter	FLUKE	SIRIUS	1041	DKK 1.980,00
150	Tang til amperemener	CHAUVIN ARNOUX	ELMA	1200.38	DKK 1.950,00
151	Tang til amperemener	FLUKE	SIRIUS	1.041.200	DKK 1.600,00
152	Apparat til batterikontrol	MOTO METER	BOSCH	BZS10	
153	Refraktometer	LEITENBERGER	LUNDSTROEM	T2020	DKK 852,00

MATERIEL TIL INSPRØJTNIINGSKONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
154	Håndpumpe	FACOM	OSTERGAARD	DA.16	DKK 1.620,50
155	Multitester	SOURIAU	SIRIUS	1050 ED	DKK 24.000,00
156	Stroboskoplampe til benzin og diesel	TECNOTEST	BECH-LAURSEN	MOD 232	DKK 5.027,00

MATERIEL TIL TÆNDINGSKONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
157	Stroboskoppistol	SOURIAU	SIRIUS	1031	DKK 3.584,00

MATERIEL TIL KONTROL AF UDSØJNINGSGAS

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
158	Apparat til analyse af gasarter	BOSCH	BOSCH	0 684 100 835	DKK 68.627,00
159	Apparat til analyse af gasarter	FACOM	OSTERGAARD	XR.742-4P400	DKK 65 100,00
160	Apparat til analyse af gasarter	SAGEM	PORHON	AGM 1500 A	DKK 44.000,00
161	Apparat til analyse af gasarter	SOURIAU	SIRIUS	4040 COF	DKK 68.140,00
162	Apparat til analyse af gasarter	TECNOTEST	BECH-LAURSEN	MOD 488	DKK 36.027,00
163	Blydetektor	SEDA	LINDE	T900	DKK 490,00
164	Lambdasondetester	TECNOTEST	BECH-LAURSEN	MOD 465 CTR	DKK 2.730,00
165	Gastester	BOSCH	BOSCH	0 684 102 010	DKK 56.541,00

MATERIEL TIL MEKANISK REPARATION

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
166	Pumpe til justering af indsprøjtningdyser	BOSCH	BOSCH	0 681 200 502	DKK 2.574,00
167	Oliedampsuger	BOSCH	BOSCH	0 684 200 702	DKK 7.276,00

MATERIEL TIL REPARATION AF EL-ANLÆG

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
168	Leddekolber	FACOM	OSTERGAARD	847A.300	DKK 783,00
169	Batterilader til el-drevet køretøj	BENNING	ELEKTRO	168-12 D30 BSEL 93	DKK 18.297,00
170	Værktøjskuffert med el-værktøj	FACOM	OSTERGAARD	2184.VSE	DKK 15.421,50

MATERIEL TIL RENSNING VED SUGNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
171	Aftapnings-og sugeapparat	FOG	ORLA	3.269.106	DKK 15.047,00
172	Aftapnings-og sugeapparat	ALFA	ORLA	26.114	DKK 7.442,00
173	Aftapnings-og sugeapparat	SEEM	PLG	VIDECO 260	DKK 8.350,00

MATERIEL TIL RENSNING / GENINDVINDING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
174	Oliefatpningsbeholder	FOG	ORLA	356 3000	DKK 4.535,00

MATERIEL TIL FORDELING AF SMØREMIDLER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
175	Oliefyldningsapparat til 220 l.	FOG	ORLA	311 9201	DKK 15.915,00
176	Fedtsmøringsapparat 60 l. tromle	FOG	ORLA	332 2460	DKK 9.965,00
177	Transportabel oliefyldningsapparat til 60 l. tromle	FOG	ORLA	332 6460	DKK 10.424,00
178	Transportabel smørestation	FOG	ORLA	332 9601	DKK 14.863,00

3. Udstyr til pladeværktøj

3.1 Udstyr / Værktøj

EL - APPARATUR

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
180	Skæremaskine til forrude	FEIN	PETERSEN	7 236 19 11 23 6	DKK 3.209,00
181	Varmepistol	FACOM	OSTERGAARD	E.2005	DKK 1.963,00
182	Batteridrevet bore/skrue maskine	FEIN	PETERSEN	7 110 27 11 23 3	DKK 2.487,00
183	Dekupørsav	FEIN	PETERSEN	7234 15 11 23 8	DKK 3.108,00

TRYKLUFTSVÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
184	Reversibel boremaskine, højre-venstrelob	MULLER	AUTOTEST	3409	DKK 853,40
185	Håndvinkelsiber	MULLER	AUTOTEST	3336-2	DKK 1.361,70
186	Lokketang	WIELANDER	ORLA	5099004010	DKK 4.101,00
187	Lokketang	MULLER	AUTOTEST	3437	DKK 2.925,53
188	Højrehåndssav	SIG	ORLA	5099001200	DKK 5.337,00
189	Højrehåndssav	MULLER	AUTOTEST	3432	DKK 2.340,00
190	Skæremaskine til forrude	MULLER	AUTOTEST	3434-2	DKK 1.648,94
191	Rystepudser med udsugning	INTAIRCO	ALENTEC	PA004	DKK 2.697,00
192	Rystepudser med udsugning	MULLER	AUTOTEST	3237	DKK 1.856,38
193	Popnittedang	MULLER	AUTOTEST	3445-2	DKK 4.244,68
194	Luftskruenøgle	MULLER	AUTOTEST	3023	DKK 1.599,26
195	Reversibel luftskruenøgle med bøjeligt led	MULLER	AUTOTEST	3004	DKK 1.515,53
196	Håndslibemaskine (rondeller)	MULLER	AUTOTEST	3341	DKK 469,04
197	Rotorsliber med udsugning	INTAIRCO	ALENTEC	PA001	DKK 2.467,00
198	Rotorsliber med udsugning	MULLER	AUTOTEST	3231	DKK 1.702,13
199	Håndvinkelsliber	MULLER	AUTOTEST	3346-2	DKK 2.273,19
200	To-hånds vinkelslibe/poleremaskine	MULLER	AUTOTEST	3312-2	DKK 1.593,30
201	Pladesaks	MULLER	AUTOTEST	3404	DKK 991,60
202	Trykluftsfraeser	MULLER	AUTOTEST	3331-2	DKK 558,51
203	Luftmejsel	MULLER	AUTOTEST	3115	DKK 2.333,09

DIVERSE VÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
204	Skruevinge	FACOM	OSTERGAARD	272.1000L	DKK 854,50
205	Sugerkop til rudemontering	MULLER	AUTOTEST	201070-200	DKK 1.494,68
206	Holder til arbejde på karrosseridele	DESVIL	ORLA	CAR.900	DKK 3.844,00
207	Klemmetænger til at fastholde karrosseridele	MULLER	AUTOTEST	111092-100	DKK 1.837,02

3.2 OPHLINING / GENOPBYGNING

OPRETTEBÆNKE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
210	Rettebænk	CAR-O-LINER	CAR-O-LINER	MARK 5	DKK 135.000,00
211	Rettebænk	BLACKHAWK	SINDBY	UMD 50 FR	DKK 61.624,00
212	Rettebænk	CELETTE	ORLA	SVN 93100	DKK 76.705,00
213	Rettebænk	CAR-O-LINER	CAR-O-LINER	B12	DKK 45.000,00
214	Dozer	BLACKHAWK	SINDBY	AEK 90	DKK 14.866,00
215	Dozer	CELETTE	ORLA	SVN 93.201 F	DKK 47.527,00
216	Dozer	CAR-O-LINER	CAR-O-LINER	D18.D80	DKK 33.750,00
217	Moduldelt travers	CELETTE	ORLA	955 9001	DKK 19.835,00
218	Opretningskit	CELETTE	ORLA	MZ 450.000	DKK 24.171,00
219	Målehoveder	CELETTE	ORLA	MZ 670.300	DKK 18.937,00
220	Kontrol - og måleapparat	BLACKHAWK	SINDBY	96413-8	DKK 126.125,00
221	Kontrol - og måleapparat	CELETTE	ORLA	ME2010	DKK 87.150,00
222	Kontrol - og måleapparat	CAR-O-LINER	CAR-O-LINER	Système de mesure seul	DKK 57.870,00
223	Stangmål	BLACKHAWK	SINDBY	AEK 329	DKK 2.734,00
224	Stangmål	CELETTE	ORLA	9085.013	DKK 3.712,00
225	Værktøj til ajourføring af rettebænk	CELETTE	ORLA	MOD 5/7	DKK 45.218,00
226	Rettebænk med lift	CAR-O-LINER	CAR-O-LINER	BR 5000	DKK 231.940,00

VÆRKTØJ TIL OPRETNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
227	Opretningsramme til ilægning i gulv	BLACKHAWK	SINDBY	ASK 1605 902 PL	DKK 48.602,00
228	Opretningsramme til ilægning i gulv	CELETTE	ORLA	AT 5101.01	DKK 45.402,00
229	Dozer	CELETTE	ORLA	AT 5200	DKK 40.016,00
230	Opspændingssystem til chassis	BLACKHAWK	SINDBY	AFM 813	DKK 34.093,00

HYDRAULISK TRYKVÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
231	Hydraulisk tryksæt	BLACKHAWK	SINDBY	65135	DKK 2.911,00
232	Hydraulisk tryksæt	CELETTE	ORLA	SC 15031	DKK 41.223,00
233	Pumpe til trykværktøj	BLACKHAWK	SINDBY	P 730 H	DKK 4.489,00
234	Pumpe til trykværktøj	CELETTE	ORLA	HYP 2301	DKK 7.434,00

TILBEHØR TIL TRÆKVÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
235	Støddæmpertårn	BLACKHAWK	SINDBY	AEK 6002	DKK 5.262,00
236	Støddæmpertårn	CELETTE	ORLA	ATD D 158	DKK 3.040,00
237	Komplet trækværktøj	BLACKHAWK	SINDBY	AFM 131 A	DKK 21.015,00
238	Komplet trækværktøj	CELETTE	ORLA	CAT 500	DKK 7.875,00
239	Trækkæder	CELETTE	ORLA	CT.CIT 1	DKK 7.728,00
240	Kædeopsætningspunkter	CELETTE	ORLA	RC CIT 3	DKK 2.783,00
241	Trækkroge	BLACKHAWK	SINDBY	AEK 6001	DKK 9.028,00
242	Trækkroge	CELETTE	ORLA	P.T.CIT 2	DKK 11.429,00
243	Værktøj til opretning af dørkarme	CELETTE	ORLA	ATS 1802	DKK 3.024,00

3.3 SVEJSNING/LODNING/SKÆRING

AUTOGENSVEJSNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
246	Autogensvejsesæt	SAF	SAF	0450 2030	DKK 7.256.15,00

PUNKTSVEJNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
247	Punktsvejsmaskine	CEMAC	BECH-LAURSEN	Z1900B	DKK 37.788,00
248	Punktsvejsmaskine	ELEKTRON	ORLA	5099001799	DKK 42.719,00

249	Elektroder til punktsvejsemaskine	CEMAC	BECH-LAURSEN	Z00100000B	DKK 9.619,00
250	Elektroder til punktsvejsemaskine	CIMAC	ORLA	5099005015	DKK 8.579,00
251	TIG-Svejseanlæg	SAF	SAF	0389 0358	DKK 17.265,00

MIG SVEJSNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
252	MIG Svejseanlæg	CEMAC	BECH-LAURSEN	Z2700C	DKK 28.398,00
253	MIG Svejseanlæg	CIMAC	ORLA	5062030250	DKK 13.260,00
254	MIG Svejseanlæg	SAF	SAF	9160 0485	DKK 10.926,00
255	Svejsepistol og slaghammer	CEMAC	BECH-LAURSEN	Z00007000E	DKK 5.496,00
256	Svejsepistol og slaghammer	SPITZNAGEL	ORLA	5099001004	DKK 4.406,00

BLANDET SVEJSEVÆRKTØJ

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
257	To-funktions svejseanlæg	CEMAC	BECH-LAURSEN	Z00002400 C	DKK 66.588,00
258	To-funktions svejseanlæg	CIMAC	ORLA	5099250799	DKK 51.706,00

PLADESKÆRING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
259	Pladeskærer	SAF	SAF	0408 2325	DKK 13.278,00

BULEOPRETNING/SVEJSNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
260	Anlæg til buleopretning og svejsning	CEMAC	BECH-LAURSEN	Z5000M (V3)	DKK 59.431,00

SIKKERHED/BESKYTTELSE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
261	Svejsemaske med flydende krystaller	CEMAC	BECH-LAURSEN	Z00009000G	DKK 2.061,00
262	Svejsemaske med flydende krystaller	CIMAC	ORLA	52BLOCCUSELECT	DKK 2.829,00

4. UDSTYR TIL MALEREPARATION

4.1 UDSTYR / VÆRKTØJSSÆT

SIKKERHEDSUDSTYR

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
264	Maske til beskyttelse ved malerarbejde	DEVILBISS RANSBURG	SPROJTEUDSTYR	GMS-6001-AB	DKK 370,00
265	Visir med luftfilter	DEVILBISS RANSBURG	SPROJTEUDSTYR	MPV 514	DKK 480,00

VÆRKTØJSPISTOLER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
266	Malepistol	DEVILBISS RANSBURG	SPROJTEUDSTYR	MAESTRO GFV 638	DKK 1.605,00
267	Malepistol med sugning	DEVILBISS RANSBURG	SPROJTEUDSTYR	MAESTRO MSG 601	DKK 1.805,00
268	Renseanlæg til komprimeret luft	DEVILBISS RANSBURG	SPROJTEUDSTYR	DVFR2	DKK 3.020,00
269	Bælte til luftregulering	DEVILBISS RANSBURG	SPROJTEUDSTYR	MPV-513	DKK 1.250,00

EKSTRA MATERIEL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
270	Transportabelt stativ til lakering af karrosseridele	DESUIL	ORLA	CAR.800.01	DKK 4.331,00
271	Skammel	CELETTE	ORLA	ESP MP 02	DKK 1.103,00
272	Skammel	INTAIRCO	ALENTEC	C9001	DKK 923,00

STØVINDSUGNING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
273	Transportabelt støvsugningsanlæg	INTAIRCO	ALENTEC	AS 003	DKK 13.196,00

274	Transportabelt støvsugningsanlæg	MULLER	AUTOTEST	810	DKK 18.079,79
275	Sugeanlæg	INTAIRCO	ALENTEC	02CA	DKK 27.539,00

TØRREAPPARATUR

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
276	Tørreanlæg med infrarødt lys	TEPSON	RECENT	409	DKK 16.550,00

APPARAT TIL RENSNING AF MALEPISTOLER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
277	Apparatur til rensning af malepistoler	INTAIRCO	ALENTEC	24 TNS	DKK 23.523,00

APPARAT TIL GENANVENDELSE AF OPLØSNINGSMIDLER

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
278	Apparat til genanvendelse af opløsningsmidler	INTAIRCO	ALENTEC	27 EX	DKK 26.277,00
279	Apparat til blandet genanvendelse af opløsningsmidler	CEMAC	BECH-LAURSEN	Z00012000H	DKK 67.561,00
280	Apparat til blandet genanvendelse af opløsningsmidler	INTAIRCO	ALENTEC	PACK01	DKK 61.388,00

4.2 MALEKABINE

LUKKET MALEKABINE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
282	Malekabine	BLOWTHERM	RECENT	Extra 6.75	DKK 237.400,00
283	Malekabine	WEINMANN	ORLA	SMD	DKK 248.400,00

ÅBEN MALEKABINE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
284	Åben malekabine med udsugning	TEPSON	RECENT	CFS 03	DKK 32.845,00
285	Åben malekabine med udsugning	WEINMANN	ORLA	CS30	DKK 29.600,00

MINI-MALEKABINE

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
286	Mini malekabine	BAS	RECENT	MC5853	DKK 116.700,00

RUM TIL FORBEREDELSE AF DELE TIL MALING

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
287	Maleblandingskabine	BLOWTHERM	RECENT	BQ 11/81	DKK 33.800,00
288	Maleblandingskabine	WEINMANN	ORLA	LABO SMD	DKK 44.200,00

MATERIEL TIL MALEKONTROL

Side	Produkt	Fabrikat	Distributør	Ref.	Pris
289	Loftsbelysning Etalon D 65	GAMAIN	RECENT	1865 HF	DKK 15.500,00

Spørg efter priserne...

Ønsker De at modtage endnu et eksemplar af prisliste for "Automechanika 94"?
Eller ønsker De, så snart den er færdig, at kende prislisen "Autoudstyr 95"?

...I så fald skal De blote udfylde vedlagte
"Anmodning om prisliste" og returnere den til:

KATALOG "TILBEHØR & UDSKYR" CITROËN

Bestilling af prisliste

CITROËN Danmark A/S

Serviceafdelingen
Bådehavnsgade 38
2450 Kbh. Sv.

**Ønsker De vederlagsfrit tilsendt
kataloget "Udstyr og materiel"
Citroën...**

Hvis Deres ordre andrager minimum 3000 Dkr.
excl. moms, kan De benytte De af dette tilbud...

...Udfyld og medsend blot det vedlagte kort
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De bedes venligst fremsende et eksemplar af følgende prisoversigter:

Det ønskede bedes afkrydset

☐

Prisliste Automochanika 94

☐

Prisliste over Autoudstyr 95 (så snart den kommer)

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Navn: Firma:

Adresse:

Postnummer: By:

Land: Sprog:

Telefonnr: Faxnr:



KATALOGET "UDSTYR OG MATÉRIEL" CITROËN

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**Afklippes og returneres til adressen (angivet på side 2)
på den forhandler, der ekspederer Deres ordre.**

**For at modtage rabatten,
bedes firmastempel
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Min ordre andrager minimum 3000 Dkr. excl. moms...
**...Jeg ønsker derfor at benytte mig af Deres tilbud og opnå et
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