

Katalog alata i strojeva

ecorn
zastupstva

Wax-carving

Wax tips

Spare wax tips for Kerr Ultra-Waxer.

Description	Code
Large, green	4118225
Small, grey	4118226
Beavertail, purple	4118227
1/2 hollenback, black	4118228
Needle, red	4118229



Wax carver, Kerr Deluxe

The finely tuned heat control and the easy handling help create intricate designs.

- the dial control easily establishes temperature range.
- the foot pedal can fine-tune the working temperature with instantaneous heating and cooling.
- 178 mm handpiece with positive slide-locks secures the tips; accepts nichrome wire modeling tips
- temperature range: 66°C-538°C
- dimensions: 104x158x63,5 mm
- weight: 1,8 kg
- voltage: 110-230 V

Includes a 24-ga bent tip and 20-ga rolled flat spatula tip (no. 13 and 14).

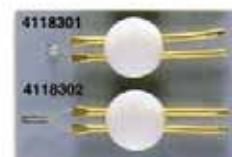
Description	Code
Deluxe MasterTouch wax designers	4118200
15-piece tip set	4118201



Wax Pen, Matt Speedy

Cordless pocket tool for welding wax wire, to make beads and repairs on delicate wax models. Battery operated, tip heats and cools instantly.

Description	Code
Speedy-Wax pen	4118300
Replacement tip	4118301
Flat replacement tip	4118302



Reduc-It modelling paste

Reduc-it is a unique positive casting material that uniformly reduces to 50% of its original size, creating scale replicas for most models. Use Reduced-It to make graduated sets or to reduce larger original patterns to an appropriate jewelry size. It's excellent to make companion models such as earrings, pendants, brooches and emblems for rings.

- cures at room-temperature or can be aided by a dehydrator.
 - after curing, Reduced-It models can make new RTV molds for injecting wax patterns.
- 454 g package.

Description	Code
Reduc-It	4117754



Mold rubber

Castaldo Mold Rubber

Castaldo is a name known throughout the jewelry industry as the standard for dependability, performance and value. Castaldo mold rubber has a high concentration of pure natural rubber, making it pliable and durable.

- Vulcanizes at: 153°C
- Shrinkage: 3-4%
- Organic rubber
- Released agent: required

Gold Label

Gold Label is a more pliable, natural rubber - perfect for difficult patterns that might break in a stiffer mold. Available in 2.3 kg rolls (457x1143x3 mm).

Description	Code
Gold Label roll	4117501



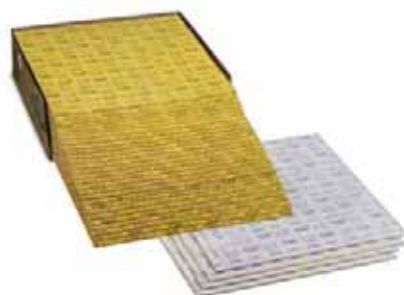
Quadrotto Mold Rubber

This brand of Castaldo organic mold rubber comes in large sheets that allow you to fully customize molds of any size or shape. Both sides are lined for cleanliness.

- Vulcanizes at: 153°C
- Shrinkage: 3-4%
- Size: 457x457x3 mm
- Release agent: required.

Sold by the kilo.

Description	Code
Gold Label Quadrotto	4117499
White Label Quadrotto	4117502



Castaldo Silicone Mold Rubber

Silicone rubber in 73x457x9.5 mm strips. Colour: dark yellow.

- Vulcanizes at: 166°C
- Shrinkage: 1.5% (less than organics)
- Release agent: not required.

Sold by the kilo.

Description	Code
Silicon rubber - strips	4117731

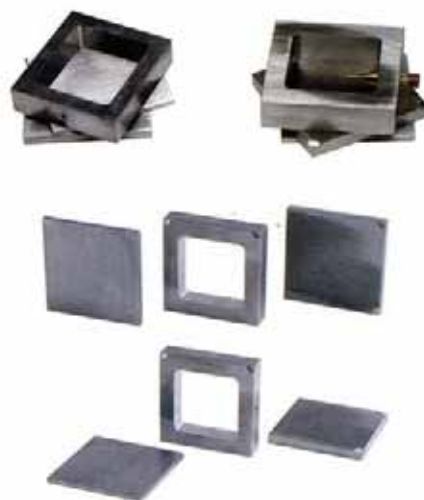


Mold Frames

Rectangular frames (single and double) made from aluminium bar stock; they won't warp after repeated heating and cooling. Special sizes available upon request.

Single

Dimensions mm	Code
50x70x20	2150415
50x70x25	2150429
50x70x30	2150416
50x70x35	2150417
60x80x20	2150410
60x80x25	2150398
60x80x30	2150397
60x80x35	2150412
80x90x20	2150405
80x90x25	2150428
80x90x30	2150406
80x90x35	2150407



Mold rubber



Double

Dimensions mm	Code
50x70x25	2150456
50x70x30	2150475
50x70x35	2150421
60x80x20	2150425
60x80x25	2150436
60x80x30	2150426
60x80x35	2150474
70x50x20	2150420



Mold frames, round

Round mold frames with aluminium case and steel inside.

Dimensions mm	Code
ø 50x50 h	2150203
ø 60x50 h	2150204
ø 65x50 h	2150205
ø 70x50 h	2150209
ø 80x60 h	2150210
ø 90x60 h	2150211
ø 100x60 h	2150212



Sprue Formers

Brass sprue formers for wax injection in the rubber mould. The angled shape ensures the right point of contact between the mold and wax injector nozzle for the best seal and wax fill. The set includes a 1/8"-shank sprue rod or a 3/16"-shank sprue rod. Packages of 10 rod and former sets.

Description	Code
3 mm hole sprue former	4117770
5 mm hole sprue former	4117771



Sprue Collet

Brass collets to apply directly to mold frames.

Description	Code
Sprue collet	4117781

Mold rubber

Silicone rubbers

These silicon rubbers are especially designed for use in lost-wax casting. The typical shrinkage is less than 1%, and they are very soft and pliable. Very high in tear strength, they do not give off a bad smell. To be used only with aluminium frames.

80-90°C silicon rubbers

White rubber

Tear resistant, low shrinkage, indicated for undercuts and filigree.

Color: white.

Size: 260x110x6 mm.

Hardness: 43 Shore.

Vulcanizes at: 80°C.

Vulcanization time: 2-3 min/mm.

Shrinkage: <1%.

Description	Code
White rubber, 90°C - 43 Shore	4117672



Turquoise rubber

Tear resistant, shiny surface, indicated for undercuts and filigree.

Color: turquoise.

Size: 300x300x6 mm.

Hardness: 42 Shore.

Vulcanizes at: 80°C.

Vulcanization time: 20 min.

Shrinkage: 1%.

Description	Code
Turquoise rubber, 80°C - 42 Shore	4117624



120°C silicone rubbers

Blue rubber

Good tear resistance and flexibility. It offers great wax fluency and makes it easy to be removed. Indicated for rings and filigree.

Color: blue.

Size: 300x300x6 mm.

Hardness: 40 Shore.

Vulcanizes at: 120°C.

Vulcanization time: 1 hour.

Shrinkage: 1-3%.

Description	Code
Blue rubber, 120°C - 40 Shore	4117691



Violet rubber

Very good tear resistant; it is specially indicated for silversmiths production and oversized designs.

Color: violet.

Size: 300x300x6 mm.

Hardness: 52 Shore.

Vulcanizes at: 120°C.

Vulcanization time: 2-3 min/mm.

Shrinkage: 1-3%.

Description	Code
Violet rubber, 120°C - 52 Shores	4117350



Yellow rubber

Very good tear resistant; it is specially indicated for designs with undercuts of medium-big design. Wax flows quickly leaving a very smooth surface on the model.

Color: yellow.

Size: 300x300x6 mm.

Hardness: 46 Shore.

Vulcanizes at: 120°C.

Vulcanization time: 2-3 min/mm.

Shrinkage: 1-3%.

Description	Code
Yellow rubber, 120°C - 46 Shore	4117711





170-180°C silicone rubbers

White rubber

Good mechanic features; it can be used in different applications, also for undercuts. It helps wax injection.

Color: white.

Size: 300x300x6,3 mm.

Hardness: 40 Shore.

Vulcanizes at: 180°C.

Vulcanization time: 1 hour.

Shrinkage: 2-4%.

Description	Code
White rubber, 180°C - 40 Shore	4117700



Violet rubber

Excellent mechanical resistance; it is specially used for undercuts and filigree that require good dimensional stability.

Color: violet.

Size: 300x300x6 mm.

Hardness: 50 Shore.

Vulcanizes at: 180°C.

Vulcanization time: 1 hour.

Shrinkage: 1-3%.

Description	Code
Violet rubber, 180° C - 50 Shore	4117702



Blue rubber

Excellent mechanical resistance; it is specially used for models with many undercuts. Excellent elastic properties.

Color: blue.

Size: 300x300x6,3 mm.

Hardness: 40 Shore.

Vulcanizes at: 180°C.

Vulcanization time: 2-3 min/mm.

Shrinkage: 3-5%.

Description	Code
Blue rubber, 180°C - 40 Shore	4117690



Turquoise rubber

Good mechanical resistance; very shiny surface, it is specially used for oversized designs with small undercuts.

Color: turquoise.

Size: 300x300x6,3 mm.

Hardness: 50 Shore.

Vulcanizes at: 170°C.

Vulcanization time: 45 min.

Shrinkage: 2-6%.

Description	Code
Turquoise rubber, 170°C - 50 Shore	4117621



Blue rubber

Good mechanical resistance; soft when cutting, low thermic conductivity, excellent wax flow. Indicated for any type of design.

Color: blue.

Size: 300x300x6 mm.

Hardness: 48 Shore.

Vulcanizes at: 170°C.

Vulcanization time: 45 min.

Shrinkage: 2-6%.

Description	Code
Blue rubber, 170°C - 48 Shore	4117627

Mold rubber

Dark yellow rubber

Good mechanical resistance; soft when cutting, low thermic conductivity; indicated for any type of models, also for undercuts and filigree.

Color: dark yellow.

Size: 300x300x6,3 mm.

Hardness: 47 Shore.

Vulcanizes at: 170°C.

Vulcanization time: 45 min.

Shrinkage: 2-6%.

Description	Code
Dark yellow rubber, 170°C - 47 Shore	4117620



Mold Locks

Mold locks for aligning small or large molds and making powder separation molds; they serve as locators to align any mold top and bottom. Available in both small and large size.

	Dimensions mm	Code
Small mold lock	ø 7x16 h	4117782
Large mold lock	ø 7x22.5 h	4117784



Rubber extractor

Dimensions: 24x10x39h cm, weight 7,6 kg.

Description	Code
Rubber extractor	2150300



Talc

This talc keeps vents in the mold open for air to escape, eliminating air-bubble defects in the patterns. It contains no oil or perfumes to clog or deteriorate the mold, and keeps rubber layers from vulcanizing together.

1 kg bag.

Description	Code
Jeweler's talc, 1 kg bag	432111#1..KG



Mold Release Spray

These sprays reduce defects caused by friction, and prevent wax from sticking to molds. Patterns can be removed quickly from rubber molds, improving wax appearance. Available in 500 ml bottle.

Hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Silicon spray (500 ml)	4117800
Fresil spray (500 ml)	4117801



Mold rubber



Mold Lubrificant, Kerr Microfilm

A non-oily, water soluble mold lubricant that allows an accurate wax pattern to be removed without distortion. Water soluble for easy cleanup. Low viscosity surfactant for rapid and complete coverage of the mold surface. Allows quick and clean separation.
946 ml bottle,

Description	Code
Kerr Microfilm	4117810



Pliers, Mold-Opening

Keep molds leveraged open while cutting; flat jaw, reverse-action pliers reach into thick molds. Ideal for white metal and thicker vulcanized molds.

Description	Code
Mold-opening pliers	4220015



Mold-Opener

Adjustable bench-top clamp for mold cutting.

Description	Code
Mold-opener	4120778



Blade Handle

Stainless steel surgical handle; it is supplied non-sterile and individually wrapped. It accepts straight and curved scalpel blades.

Description	Code
Knife handle	4120750



Blade Handle, Basic

With plastic handle, it offers comfortable grip for larger hands. It holds both straight and curved blades.

Description	Code
Basic handle	4120755



Scalpel Blades

Straight or curved blades, produced in non-sterile carbon steel.
Package of 5 blades.

Description	Code
Straight blades - Fig. 11	4120702
Curved blades - Fig. 12	4120704



Vulcanizer, Compress-Gum

Compact, easy to use pneumatic vulcanizer.

- Voltage: 220 V 50/60 Hz
- Power consumption: 1,4 kW
- Air pressure: 4 Bar
- Ideal working temperature: 200°C
- Noise: Lp < 70 dB(A)
- Working area dimensions: 200x200x100h mm
- Dimensions: 350x390x600h mm
- Weight: 45 kg

Description	Code
Compress-Gum	1150300



Vulcanizer, Duplex Top

Duplex Top is a multifunction vulcanizer designed to produce with different methods, rubber moulds, using one machine only. With a simple kit supplied with the machine, the operator can choose between two different work methods.

CONFIGURATION 1): the only function of the upper heating plate is to transmit the vulcanization heat to the flask, while the central piston, since it can descend inside the flask, is used to compress the rubber mould. This is the perfect configuration for using cylindrical or rectangular flasks with metal spacers sliding inside the flask.

CONFIGURATION 2): the descent of the central piston can be blocked by using a simple kit supplied with the machine. This kit consists of a robust metal plate (150x150 mm) to apply to the upper heating plate. In this configuration, the upper heating plate not only transmits the vulcanization heat but also compresses the rubber mould. This is the best method for using rectangular flasks without internally sliding spacers.

- Heating plates dimensions: 150x150 mm
- Max width between plates: 80 mm
- Maximum temperature: 190°C
- Range of vulcanization cycle: 0-99 min
- Max. dimension round frame: 100 mm. Max. dimension rectangular frame: 70 mm.
- Voltage: 220V - 50Hz Singlephase
- Power consumption: 825W - 4A
- Dimensions: 280x210x450h mm
- Weight: 25 kg

Description	Code
Duplex Top vulcanizer - CE	1150320



Vulcanizer, Mini

This vulcanizer has a remote, pre-calibrated thermostat for consistent heating.

- Pre-heat setting for quick warm-up of platens
- Precision-ground aluminium platens ensure accurate, level vulcanization of molds; even heating
- Sturdy cast aluminium frame with guide posts
- Temperature range: 55-300°C
- Platen dimensions: 165x145 mm
- Max. platen opening: 86 mm
- Dimensions: 279x178x391h mm
- Voltage: 220V - 50Hz Singlephase
- Power consumption: 500W
- Weight: 16 kg

NOT FOR SALE IN UE CONTRIES

Description	Code
"Mini" vulcanizer	1150450

Vulcanizers

Vulcanizer, Basic

- Vulcanizer with unique wheel/lever handle that provides maximum leverage.
- Dependable mercury-dial thermostat vulcanizer for precise temperature control.
 - Full-size heavy-duty, precision-ground aluminium platens with steel guide posts for even heat distribution.
 - Sturdy cast aluminium frame with guide posts.
 - On/off indicator light.
 - Temperature range: 22-220°C
 - Platen dimensions: 127x203 mm
 - Max. platen opening: 92 mm
 - Voltage: 220V - 50Hz Singlephase
 - Power consumption: 650W
 - Dimensions: 333x241x441h mm
 - Weight: 24 kg

NOT FOR SALE IN UE COUNTRIES

Description	Code
Basic vulcanizer	1150460



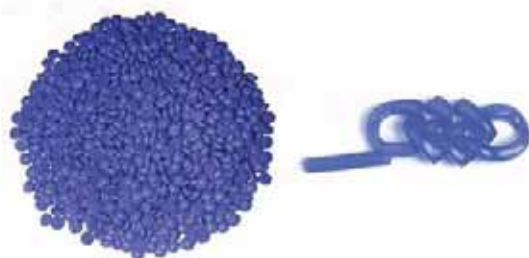
Vulcanizer, Heavy

- Sturdy steel vulcanizer with square aluminium platens.
- Heavy steel guide posts ensure parallel platen alignment
 - Accurate dual-dial mercury thermostats give you independent control of each platen, eliminating uneven platen temperature and mold results
 - Thermometer ports in each platen allow for temperature calibration and accuracy for custom applications
 - Temperature range: 22-220°C
 - Platen dimensions: 203x203 mm
 - Max. platen opening: 83 mm
 - Voltage: 220V - 50Hz Singlephase
 - Power consumption: 1000W
 - Dimensions: 391x279x540h mm
 - Weight: 37 kg

NOT FOR SALE IN UE COUNTRIES

Description	Code
"Heavy" vulcanizer	1150470





Wax Beads, Zaph-ONE

Zaph-ONE is a high quality product characterised by high elasticity and ductility, thus ensuring perfect mold filling. Zaph-ONE wax maintains its characteristics in the long term and has the so-called memory effect (elastic opening and closing). It is therefore particularly suitable for setting stones on wax models. It has significant shrinkage on large pieces. Zaph-ONE wax can be used to produce fine or medium thickness models, and in all applications requiring minimum shrinkage and high elasticity. It is particularly suitable for casting with stones.

- Injection temperature: 72-74°C
- Flow: Medium
- Shrinkage: Low
- Flexibility: Very high

Description	Code
2.5 kg package	411710#.ZAPH2.5KG
25 kg package	411710#.ZAPH25.KG



Wax Beads, Green-ONE

Green-ONE wax is a wax used in lost wax casting processes. It is a general purpose wax with high flexibility. It captures the finest details on patterns while maintaining good flow properties. This wax is very soft and easy to extract and offers low shrinkage.

Green-ONE is particularly suitable when manual injectors have to be used. This and all other Legor's waxes are steam-dewaxable and compatible with one other. Green-ONE wax can be used in all applications. It is particularly suitable for the production of thin designs and filigree.

- Injection temperature: 72-74°C
- Flow: Medium
- Shrinkage: Low
- Flexibility: High

Description	Code
2.5 kg package	411710#GREEN2.5KG
25 kg package	411710#GREEN25.KG



Wax Beads, Pink-ONE

Pink-ONE is a general purpose wax for lost-wax casting. It offers extremely smooth surfaces, excellent flexibility, reduced shrinkage and high mechanical resistance. Pink-ONE is particularly suitable when manual injectors have to be used. This and all other Legor's waxes are steam-dewaxable and compatible with one other.

Pink-ONE is suitable for production of both large and thin designs. It is indicated also for gem-stone setting in wax. Pieces obtained by Pink-ONE can be stored for a long time.

- Injection temperature: 72-74°C
- Flow: High
- Shrinkage: Low
- Flexibility: High

Description	Code
Sacco da 25 kg	411710#PINK.2.5KG
25 kg package	411710#PINK.25.KG



Wax Beads, Red-ONE

Red-ONE wax is a high quality wax used for lost wax casting processes. The main characteristic of Red-ONE wax is its very high fluidity, which makes it extremely smooth-flowing. It also has very low shrinkage and low flexibility.

Red-ONE wax can be used in all applications involving articles with very large surfaces. Its fluidity makes it particularly suitable for the production of very difficult and complicated pieces. It is also suitable for the production of silverware.

- Injection temperature: 72-74°C
- Flow: Very high
- Shrinkage: low
- Flexibility: Low

Description	Code
2.5 kg package	411710#RED..2.5KG
25 kg package	411710#RED..25.KG

Injection waxes

Wax, Plast-O-Wax

Plast-O-Wax performs like plastic, but can be steam-dewaxed. It offers good, smooth surface quality, crisp detail and minimal shrinkage.

Description	Code
2,27 kg bag	4117008
22,7 kg carton	4117009



Wax Flakes, Freeman

Freeman's unique low specific (0,95) formula yields more wax patterns per pound.

- Supplied in flakes form.
- Eliminates the need for talc.
- Built-in mold release agent.
- Produces a sheen finish on designs.
- Reducing polishing and finishing labor.
- No residual sludge (sediment built-up in pot).

454 g bags.

Description	Code
Aqua	4117050
Turquoise	4117051
Flexible Blue	4117052
Filigree Pink	4117053
Tuffy Green	4117054
Ruby Red	4117055
Super Pink	4117058



Item	Injection temp.	Flow	Flexibility	Carvability	Shrinkage	Memory	Pattern shelf life	Readability	Solidification time	Application
ACCU™ Aqua Green	65°C 150°F	High	Med.	Low	Low	Med.	High	High	Med.	All purpose. Best detail.
ACCU™ Ruby Red	65°C 150°F	High	Med.	Low	Low	Med.	High	High	Med.	All purpose. Best detail.
ACCU™ Turquoise Blue	65°C 150°F	High	Med.	Low	Low	Med.	High	High	Med.	All purpose. Best detail.
FLEX-PLAST™	68°C 155°F	Med.	Highest	Med.	Med.	High	Highest	Med.	Med.	Longest shelf life. Highest flexibility. Metal molds & stone in place.
NYC Pink™	68°C 155°F	Med.	Med.	Low	Low	Med.	High	Med.	Med.	Highest detail. Easy removal without breakage.
TUFFY™ Green	73°C 165°F	Med.	High	Med.	Low	Med.	High	High	Med.	Large pieces toughest.
Super Pink	65°C 150°F	High	Low	Med.	Low	Low	Med.	High	High	Bezel settings. Quickest solidification Will not give.
ACCUCarve	79°C 174°F	High	High	High	Low	Med.	High	High	Med.	Highly carvable.



Wax Flakes, Freeman CARVABLE PURPLE

Using the same characteristics of the flake line, this wax has been reformulated to deliver excellent carvability. CARVABLE PURPLE features low shrinkage, excellent flow, low ash content, yet offers minimal gumming of wax files and rotatory tools like that of traditional injection waxes. It is a durable wax that will not break under stress, and does not react to body heat from fingers while handling. Ideal for designers or any casters who find themselves often reworking wax patterns. 454 g bags.

Description	Code
Carvable Purple	4117056



Wax for Electroforming

Pink wax in pearls for the electroforming process.
In 2,5 kg bag.

Description	Code
Pink wax for electroforming	4117060

Wax injectors

Wax Injector, RIACE WAX

RiaceWax is the innovative system for vacuum wax injection, patented, economical, easy to be used, technologically advanced, high performances, applicable on a wide range of different products, able to run "parallel" injection processes to 4 independent work stations.

THE SYSTEM: RiaceWax aids the production process optimisation and reduces the production costs by means of the following features:

- Upgradeable up to 4 working stations
- Independent fully controlled stations with the possibility to manage different products
- High quality and repeatability of final product (the whole parameters are completely programmable by a PLC)
- Increase of safety towards the operator
- Low investment and big reduction of use / maintenance costs
- Used materials: stainless still easy to be cleaned and time resistant.

CENTRAL UNIT:

RiaceWax is based on a central COMMON controller where a transparent Wax tank with a simple opening cover, PLC, electronic devices and proportional dispensing valves are integrated.

The WAX TANK is:

- Always under vacuum during working cycles, the wax tank gives to the system the guarantee of humidity absence avoiding micro bubbles presence
- Only one tank for storing new wax and recovering automatically used wax from injection nozzles after the cleaning phase
- Independent from the injection stations
- Feeding up to 4 different kinds of wax
- Transparent to permit the continuous wax level control and to check the wax features during casting
- Removable to make easy maintenance and fast cleaning operation.

Power requirements: 220 VAC, 50/60 Hz, mono-phase

Power consumption: 500-1000 VA

Compressed air requirement: 6 Bar

Wax tank capacity: 3 liters (rechargeable continuously)

Mould min/max dimensions: 50Lx40Wx20H mm / 130Lx90Wx40H mm

Nozzle wax injector temperature: 40 - 90 °C +/- 0,5°C Digital

Environment temperature: 5 - 40 °C

Max. number of working stations: 4

Wax Injection time: Programmable from 0 to 99,9 sec

Cycle time: Programmable from 0 to 99,9 sec

Mould recognition / program auto loading: Optional

Operator interface: Touch Screen 3,8" W77xH58 mm

Central unit dimensions: 350Lx430Wx520H mm

System dimension (with 4 station): 970Lx430Wx520H mm

Mould dimensions: 50Lx30Wx18H mm; 90Lx90Wx50H mm; 120Lx90Wx50H mm

Weight central unit: 26 Kg

Weight central unit + 4 stations: 58 Kg

Description	Code
Central controller	1145001

Injection stations

RiaceWax can be used with one or more modular and independent injection stations. Each working station has the following features:

- Modular: possibility to select the number of used working stations and the type of products in progress
- Independent with wax tank reloading system: simultaneous different production with customised parameters for each working station
- Pre-Injection crucible with controlled heating system: permits the injected wax temperature fine tuning
- Auto centring system: permits the mould to be centred automatically with the nozzle without need of mould holder
- Transversal working position: full visibility of nozzle during centring and injection.

Description	Code
Standard injection station	1145005
Master injection station	1145006





Wax Injector

This injector has been designed aiming to solve the problems occurring in small-piece casting, such as stability and uniformity of temperature of the mass of molten wax, the regulation of its pressure and the accuracy of the injection nozzles. It is equipped with tanks in lightweight aluminium alloy, where heating is provided by a band type heating element running around the outside. The valve with charge reserve allows the generation of jets of wax without interruptions or air bubbles. The locking system on the airtight lid prevents from pressure loss. Available in two models with tanks of 1500 and 2500 cc, it comes with 3 nozzles of different design.

1500D Wax Injector

- Tank capacity: 1500 cc
- Heating power: 160W
- Voltage: 220V-50/60 Hz
- Dimensions: 160x160x520h mm
- Weight: 7 kg

2500D Wax Injector

- Tank capacity: 2500 cc
- Heating power: 320W
- Voltage: 220V-50/60 Hz
- Dimensions: 194x194x520h mm
- Weight: 8.5 kg

Description	Code
1500 D wax injector	1145360
2500 D wax injector	1145362



Wax Injector, TIW

Features:

- Low pressure and low temperature: the heating fin will keep homogeneous and fixed temperature; the injection temperature is controlled and the atmospheric tank helps you easily remove bubbles in the wax and add more wax.
- No vacuum pump: the initial cost is reduced, which means more working space; the vacuumity is the same as conventional one.
- Pumping system: pumping can delay hardening the sprue inlet and reduce as much shrinkage as possible; injection timing can be set as an option.
- Unique piston injection: smooth wax injection is suited for delicate/complicated designs; it is easy to make correct wax patterns.
- Work-centered design and operability: easy, operational pressure valve is attached; digital thermometer is installed; foot switch can be used; check lamp tells you which cycle is engaged.
- Voltage: 240V.
- Output power: 0.45kW.
- Compressed air: 0.4~0.6MPa
- Temperature: 100°C max
- Dimensions: 50x30x28h cm
- Weight: 15 kg

Description	Code
TIW wax injector	1145380

Wax injectors

Wax Injector, Vacuum

Vacuum wax injector designed to give consistent and repeatable wax patterns every time. All steps of process can be controlled, from wax pot and nozzle temperatures to vacuum and injection times. The result is finished waxes free of bubbles, voids and defects.

Wax capacity: 2.7 kg

Voltage: 220V

Dimensions: 546x381x445h mm

Weight: 30 kg

Description	Code
FOV Vacuum wax injector - 220V (without pump)	1145600



Auto-Clamp

Auto-clamp for the automatic control of the vacuum injector; the consistent clamping pressure on molds provides accurate wax weights every time and leaves the hands free to prepare the next mold. Nearly 300 settings (in 7 g increments) for pressure selection are available. The set includes an acrylic plate kit that allows you to create custom fixtures.

- Max. pressure: 5 kg
- Control console dimensions: 210x345x190 mm
- Clamp mechanism dimensions: 160x160x210 mm
- Weight: 12,4 kg

Description	Code
Auto-clamp	1145601



Vacuum Pump

Vacuum pump unit 4 m3/h 220V single phase - to apply to injector. With no-return valve.

- Blades pump in oil bath
- Direct coupling motor/pump
- Intermittent service
- The oil level can be checked
- Noiseless - no vibrations

Description	Code
4 m3/h vacuum pump	2140015





Pre-Heating Furnace, DM 50

Furnace with computerized operations and programmable 10 four-phase cycles; each cycle includes 3 programmable parameters: temperature, temperature increase speed and hold time. The innovative heating system (with tubes) guarantees energy saving and the chamber is rapidly cooled or heated. Data and timer settings are saved also in event of power failure; features facility for suction.

- Max. temperature: 1100°C
- Maximum power: 2400W
- Weight: 30 kg
- Inside dimensions: 170x260x110h mm
- Overall dimensions: 350x470x490h mm
- Voltage: 220 V

Description	Code
Electric furnace DM 50; 220V	1111130

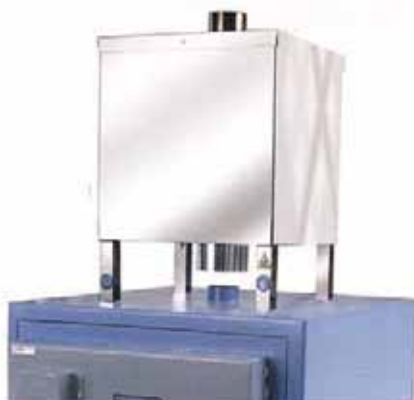


Annealing Furnace, MAH240-4

Investment annealing furnace complete of programmer - 8 levels of temperature control and liquid crystal display. With resistance on door.

- Maximum temperature: 850°C
- Power: 3600 W
- Inside chamber size: 300x400x220h mm
- Overall dimensions: 500x590x570h mm
- Voltage: 220V/50 Hz Singlephase
- Weight: 72 kg

Description	Code
Furnace MAH-240-4	1116300



Post-Heater, for MAH-240-4 Furnace

220V post-heater, it absorbs fumes created during wax burning. It comes complete with control board.

- Stainless steel chamber
- Maximum power 2000W
- Voltage: 220V
- Overall dimensions: 310x350x460h mm
- Weight: 25 kg

Description	Code
Post-heater	1116301



Annealing furnace, MG 50 OR

Electric annealing furnace for jewellery, flask dewaxing and lost-wax casting with temperature up to 850°C.

Main features:

- It is complete with 9 steps programmer.
- Internal chamber size: 400x500x400h mm.
- Power consumption: 6.5 Kw
- Voltage: 400V/50 Hz
- Dimensions: 1000x1200x1800h mm.
- Weight: 378 kg.

Description	Code
MG 50 OR furnace	1116200

Treeing, Spruing & Investing

Wax Sprue, NeuSprue

Perfect for use with exclusive Flowlogic from Neutec/USA, NeuSprue wax sprues eliminate many of the defects common with old-style sprues, like the wax being absorbed into investment.

Length mm	Code
152	4117271
179	4117275
228	4117270



Base Assembly, NeuSprue

The ribbed base seals and centers the flask for maximum metal control during pour. Includes rubber base and a threaded plastic holder with screw.

ø mm	Code
76	4120099
89	4120104
102	4120105
127	4120103



Base Assembly, Italian type

Designed for central tree spruing, these sprues fit a variety of flask diameters.

ø mm	Code
76	4120020
89	4120030
100	4120040
127	4120068
152	4120070



Tree Holder, NeuSprue

This tree fixture is fully adjustable for just the right working angle. It tilts up or down and rotates 360° for perfect visibility and access to all sides. It can be placed on the work surface or permanently attached to it.

Description	Code
NeuSprue universal tree fixture	4120101



Vacu-Film

Formulated as a concentrate, Rio Vacu-Film is needed to reduce surface tension on wax patterns, discouraging bubbles from clinging to pattern surfaces and in undercuts. Adhesion between investment and wax improves as well. To be mixed with methyl alcohol.

Hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Rio Vacu-Film concentrate - makes 3.8 l	4117831
Rio Vacu-Film concentrate - makes 18.9 l	4117832



Flask Marker

To be used on metal (yellow marker) or investment (brown marker) to keep track of flasks for burnout.

3 pcs package.

Description	Code
Brown marker - for investment	4120110
Yellow marker - for flasks	4120111





Mold Clamp

Mold clamps to apply even pressure to rubber molds for consistent, accurate wax weights; the molds are properly aligned and clamped to help prevent wax flashing. The heavy-gauge spring steel latch ensures even tension and years of service. For molds with 36.5 mm maximum thickness.

Description	Code
Small, 47x73 mm	4209250
Large, 63x73 mm	4209252



Rubber Clamp

New-design clamp to correctly align the rubber molds. With 60 mm diameter jaws.

Description	Code
Rubber clamp	4120600



Wax Melting Pot

Pot to melt sticky wax for spruing, or small amounts of wax for model-making. The lid retains heat in the pot and prevents contamination of the wax when not in use. Use the heated, tapered lip on the pot to taper sprue ends for treeing and for creating the proper angle on pattern sprue before applying wax.

Capacity: 0.5 liter

Dial temperature regulation (93-107°C).

Voltage: 220V - 50Hz.

Weight: 1,75 kg.

Description	Code
One-pint pot	1145200



Sticky Wax

Sticky wax with super bonding strenght for adhering to dissimilar waxes. It is formulated to hot-melt and sets up for maximum adhesion quickly. Ideal for filling fine lines and scars.

In 454 g bag.

Description	Code
Sticky Wax	4117141

Vacuum investing machines

Investment Mixers, St. Louis

Mixers technically advanced for the preparation of the investment (as they work the components under vacuum), and offering:

- Complete de-gassing of the investment
- Various mixture speeds
- Memorization of mixing time
- Exact amount of water thanks to the graduated tank.

St. Louis 92-4

- Capacity: up to 4 kg investment
 - Flask capacity: 1 flask diam. up to 150x200h mm. Max. height 200 mm
 - Voltage: 220V
 - Dimensions: 280X350X950h mm
 - Weight: 21 kg
- Without vacuum pump.

Description	Code
St. Louis 92 - 4lt	1140501



St. Louis 82-6

- Complete with 18 m3/h pump
- Capacity: up to 6 kg investment
- Flask capacity: 5 diam. 75-80 / 4 diam. 90 / 3 diam. 100-120 mm. Max height 160 mm
- Voltage: 220V
- Dimensions: 420x420x1050h mm
- Weight: 39 kg

Description	Code
St. Louis 82 - 6 lt - with pump	1140511



St. Louis 2000 XL-14

- Capacity: up to 14 kg investment.
 - Flask capacity: 6 flasks diam. 100 mm - 5 diam. 120 mm - 3 diam. 150 mm. Max. height 250 mm
 - Voltage: 380V Three-phase
 - Dimensions: 620x650x1750h mm.
 - Weight: 198 kg
- It comes with spare plate and 50 mc pump.

Description	Code
St. Louis 2000 XL - 14 lt	1140530



Vacuum Pump & Oils



Vacuum Pump

Vacuum pump unit 4 m³/h 220V single phase - to apply to injector. With no-return valve.

- Blades pump in oil bath
- Direct coupling motor/pump
- Intermittent service
- The oil level can be checked
- Noiseless - no vibrations

Description	Code
4 m ³ /h vacuum pump	2140015



Vacuum Pump, cast-iron

Pumping units entirely made of cast iron, coupled directly to the motor, with an oil tank and a compartment for separation and recovery of air/oil for eliminating oil mists on the delivery side.

- motor power: 0.25 kW
- 2750 rpm
- noise average: 67 db
- weight: 15,5 kg
- oil capacity: 0,25 l
- final vacuum: 10 mbar 10PBO-0,5PBOM

Description	Code
12 m ³ /h	2140025
28 m ³ /h	2140035



Oil for Pump

Busch vacuum pump oil. Use with Busch pumps to extend their lifetime. 1 liter bottle.

Description	Code
Busch vacuum pump oil	2135627



Oil for Pump, Bergoil Parater S68

PARATER oil for vacuum pump.

Sold in 5 liters cans.

Description	Code
Bergoil hydraulic oil, 5 liters	4122050

Investment

Satin Cast Investment

Satin Cast 20 produces a consistent finish on all your gold, silver, brass or other metals castings (melting temperature: <1093°C).

- Extra-smooth finish and clean breakaway help reduce finishing time and increase productivity.
- Includes wetting agents that help the investment blend to a smooth consistency without creating air bubbles.
- Forms a strong mold that is still permeable for creating full-fill castings with either vacuum or centrifugal equipment.
- It breaks away easily at quenching, reducing your cleanup time.

Satin Cast 20 is available in 15 kg box or 45,4 kg drum.

Description	Code
15 kg box	4120297
45,4 kg drum	4120300



Primacast Investment

Investment powder specifically developed for easy removal after casting, ensuring the best possible surface finish. Features:

- Easy clean-off
- Excellent surface
- Fast firing capability
- Highest quality castings

Available in 22,5 kg bag.

Description	Code
22,5 kg bag	4120325



Aztec Investment

Premium investment powder developed to give top quality results for the caster demanding the finest professional surface finish when casting gold and silver.

- Excellent surfaces - ensuring the reproduction of the finest details and highest quality gold and silver castings.
- Rapid burnout - formulated to perform under the most difficult of burnout cycles.
- Easy Clean Off - the powder breaks away from the finished castings cleanly and easily.

-Both centrifugal and vacuum assisted casting can be performed with Aztec.

Description	Code
22,5 kg bag	4120327



OmniCast Investment

Omni-Cast Jewelry Investment is a premium investment powder developed to give top quality results for the caster who demands the finest professional surface finish when casting gold and silver.

- Excellent surfaces - ensuring the reproduction of the finest details and highest quality gold and silver castings.
- Specifically formulated to withstand the temperatures required for high melting point alloys and to withstand higher burnout temperatures.
- Special chemicals make Omni-Cast exceptionally easy to mix with water and give it the distinctive Omni-Cast feel - easy to pour with high fluidity.
- Rapid burnout - formulated to perform under the most difficult of burnout cycles.
- Easy Clean Off - the powder breaks away from the finished castings cleanly and easily.
- Both centrifugal and vacuum assisted casting can be performed with Omni-Cast.

Description	Code
22,5 kg bag	4120329
45 kg fiber drum	4120330





Plaster Remover, "Idroget 120" Water Jet

Idroget 120 consists of an airtight stainless steel booth with a transparent plexiglass door on top giving a good view of the washing operation. Plaster removal is controlled by hand with water supplied at 120 bar by the pump.

The pressurized water is used to remove the plaster from the models after casting quickly and effectively, without the use of damaging acids difficult to dispose of, allowing perfectly environment-friendly operation in full compliance with anti-pollution regulations.

- Adjustable water jet
- Stainless steel booth with internal lighting
- Maximum air pressure: 120 bar
- Absorption: 8 liters per minute
- Voltage 220V Singlephase; 50Hz
- Dimensions: 620x500x1400h mm
- Weight: 45 kg

Description	Code
Idroget 120	1155200
Spare hydro-jet pump	2155200

Filter bag, for investment

Dimensions: 55x120 cm.

Description	Code
Filter bag	4597500



Rubber gloves

These gloves in rippled rubber protect arms and hands. 50 cm long. Standard size.

Description	Code
Rubber gloves	4123350

Melters and centrifugal casting

Melting Furnaces, Electric

These furnaces come complete with crucible, plier and graphite mixer. Available in 1,2 and 3 kg Au capacity, both digital (with digital pyrometer) and analog. 220V single phase, maximum temperature 1100°C.

Analog electric melting furnaces

Description	Code
Analog, 1 kg Au - 850W	1103015
Analog, 2 kg Au - 1300W	1103017
Analog, 3 kg Au - 1700W	1103031



Digital Electric Melting Furnace

Description	Code
Digital, 1 kg Au - 850W	1103016
Digital, 2 kg Au - 1300W	1103018
Digital, 3 kg Au - 1700W	1103030



Crucible tongs

Tongs to extract crucibles from melting furnace, avoiding the contact with hot surface.

Description	Code
Crucible tongs	2103015



Crucibles, Graphite

Capacity Au24kt	H mm	Border ø mm	Ext. ø mm	Int. ø mm	Weight g	Code
cc 50 = 1 kg	125	65	50	40	240	4106020
cc 100 = 2 kg	145	70	55	40	300	4106031
cc 150 = 3 kg	165	75	58	45	420	4106035



Crucibles, Graphite Clay

Capacity Au24kt	H mm	Border ø mm	Ext. ø mm	Int. ø mm	Weight g	Code
cc 50 = 1 kg	130	65	46	40	240	4106021
cc 100 = 2 kg	160	70	50	45	320	4106023
cc 150 = 3 kg	174	6,9	64	49	423	4106025





Melting Furnaces, Propane Gas

These propane gas furnaces (city gas on special request) come complete with 3-phase electrofan; they feature 28.000 Kcal/h burner with safety valve and pilot. Voltage: 220V.

Main features 6 kg furnace:

- Internal size: ø175x250h mm
- Max capacity: 6 kg CU
- Max consumption: GPL Kg 2.3/h; Methane m³ 3.2/h
- Dimensions: ø270x705h mm
- Weight: 50 kg

Main features 12 kg furnace:

- Internal size: ø220x340h mm
- Max capacity: 12 kg CU
- Max consumption: GPL Kg 2.3/h; Methane m³ 3.2/h
- Dimensions: ø310x850h mm
- Weight: 70 kg

Description	Code
6 kg furnace	1102024
12 kg furnace	1102026

Crucibles, Salamander

These well-known, top-quality crucibles offer consistent performance when melting ferrous, nonferrous and precious metals. Good thermal conductivity keeps metal from cooling too rapidly. Made of natural flake graphite and silicon carbide bonded with fine clay; lined with mullite for long life.



Model	Bronze capacity kg	Code
A 3/0	0.13	4101003
A 1/0	0.40	4101005
A 1/2	0.80	4101006
A 1	1.20	4101007
A 2	2	4101008
A 3	3.50	4101009
A 4	4.80	4101010
A 5	6	4101011
A 6	8	4101012
A 8	11	4101013
A 10	14	4101014
A 12	17	4101015
A 16	21	4101016
A 20	27	4101017
A 25	37	4101018

Spray for Graphite

Graphite spray in 400 ml bottle.

Description	Code
Graphite Spray	4122274



Locking Sealant, Refractory

Locking sealant, heat-resistant up to 1250°C. In 300 g cartridge.

Description	Code
Locking sealant	4106970



Melters and centrifugal casting

Crucibles, for Static Induction Melting Machines

Graphite + ceramic shield.

10 mm protrusion.

Capacity Kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
5	145	115	105	70	1200	4106204
10	176	154	110	80	1600	4106212
12	192	156	120	90	2200	4106871
16	200	178	145	130	4300	4106166



Melting machines, Medium frequency

In these machines all functions are microcomputer controlled.

- Extremely quiet operation
- Digital power adjustment and indicator
- High efficiency using a solid-state generator
- Self-diagnostics including fault and mis-operational voice messages
- Stainless steel construction
- Gas blow pipe to prevent oxidation

Without optical pirometer.

Mod. F3-D/400

- Max. power consumption: 4,5 kW
- Max. power output: 50 kVAR
- Crucible capacity: 2 kg Au/750ã
- Voltage: 220V
- Dimensions: 430x450x905h mm
- Weight: 63 kg

Description	Code
F3D/220	1104021



Crucibles, for F3-D400

Graphite crucible + ceramic shield.

10 mm protrusion.

Capacity Kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
2	120	90	67	45	500	4106101
3	140	117	70	45	650	4106192





Mod. F4-D/400

- Max. power consumption: 5,5 kW
- Max. power output: 60 kWAR
- Crucible capacity: 4 kg Au/750â
- Voltage: 380 V, Three-phase
- Dimensions: 430x450x905h mm
- Weight: 63 kg

Without optical pirometer.

Description	Code
F4D/400	1104022

Crucibles, for F4-D400

Graphite + ceramic shield.
Protrusion: 10 mm.

Capacity Kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
4	148	126	88	60	1000	4106121



Mod. F5-D/400

- Max. power consumption: 7 kW
- Max. power output: 80 kWAR
- Crucible capacity: 6 kg Au/750â
- Voltage: 380 V, Three-phase
- Dimensions: 575x580x905h mm
- Weight 90 kg

Without optical pirometer.

Description	Code
F5D/400	1104025

Crucible cover, for F5-D400

Description	Code
Cover for crucible	4106500

Crucibles, for F5-D400

Graphite + ceramic shield.
With 10 mm protrusion.

Capacity Kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
6	163	139	107	70	1300	4106141
8	163	139	107	75	1300	4106151

Melters and centrifugal casting

Without protrusion.

Capacity Kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
6	153	139	107	70	1200	4106142
8	153	139	107	75	1200	4106152



Paste for Molds

Transparent silicone grease. Dielectric, water repellent protective. - 55°C + 220°C, point of flammability > 310°C. It is indicated for parts in rubber, electrical and electronical parts, joints.

100 g tube.

Description	Code
Silicon paste	4122105



Cooling unit, TAE M10

Cooling unit with digital adjustment of water temperature and built-in selfdiagnostic. The cooling system allows the use of distilled water, preventing the flow reduction due to calcium deposits.

- Cooling power: 3,31 Kw
- Power consumption: 1,3 Kw
- Voltage: 220V
- Dimensions: 735x560x865h mm
- Weight: 82kg

Description	Code
Cooling unit	1104072



Pirometer, TCS 700

The TCS 700 sensor is characterised by its extremely compact design and great strength and versatility.

Constructed in stainless steel, it is fitted with a quick-release IP65 miniature connector for connection to F-D/400 melting machines via a special cable.

The cable is entirely insulated in Teflon to ensure the best possible protection even at high operating temperatures. Thanks to the two-colour measuring technique, the distance between the sensor and the material being checked, or the presence of dross on the surface of the molten, within wide margins, does not influence the temperature reading.

- Measuring range: 700-2000 °C
- Rapidity of response
- High temperature operation

Description	Code
TSC 700 pirometer	1104032

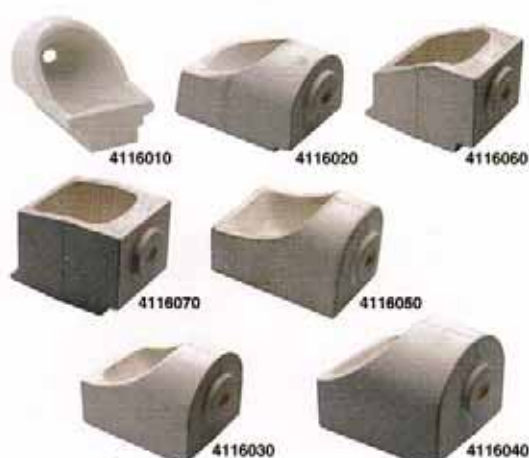




Centrifugal Caster

This centrifuge is spring driven for simple, trouble-free operation; it accepts flask sizes up to 100 dia. x 150 mm long. This large capacity is designed for higher production casters and for small sculptures, belt buckles, etc. at a very economical cost.

Description	Code
Spring-driven centrifugal machine 100x150 mm	1130050



Crucibles, Ceramic

Crucibles for Centrifugal Machine.

Capacity cc	Width mm	ø mm	Height mm	Weight g	Code
100	26	64	50	260	4116010
500	61	86	55	250	4116020
500	62	83	55	260	4116060
650	62	83	60	260	4116070
800	60	84	60	260	4116050
1000	70	92	70	260	4116030
1400	81	92	74	460	4116040



Gaskets, for ceramic crucibles

To be used on crucibles for centrifugal machine.

Ext. ø mm	Hole ø mm	Code
90	35	4119700
100	35	4119701



EZ-Cast, Vacuum casting system

Complete Vacuum Assist Casting System including accessories. Draws 750 mm of Mercury at sea level with a 229x103 mm bell jar. Voltage: 220V. Accessories included:

- 229x103 mm bell jar
- Perforated flask 86 mm
- Flask sleeve
- Sprue base 86 mm
- Adapter ring steel 178 mm
- Adapter ring steel 102 mm
- Adapter ring steel 89 mm
- Silicone seal 14.5 square cm
- Silicone seal 178 mm round
- Silicone seal 146 mm round
- Silicone seal 115 mm round
- Investment table rubber pad
- Crucible
- Crucible handle
- Vacuum pump oil
- Perforated flask tongs

Description	Code
Vacuum casting system - without pump	1135200

Crucibles

Crucible Tongs

Tongs with spring to hold square crucibles.

Description	Code
Square crucibles plier	4111050



Crucibles, Square Ceramic

Dimensions mm	Code
40x40x14h	4102001
50x50x21h	4102002
60x60x21h	4102008
70x70x21h	4102003
80x80x27h	4102004
100x100x27h	4102006
120x120x40h	4102007



Crucibles, Induction flame damper

Capacity cc	Width mm	ø mm	Height mm	Weight g	Code
50	85	95	40	200	4102005



Crucibles, Ceramic Cup Shape

Dimensions mm	Code
53x20h	4102100
78x33h	4102101
95x35h	4102102
107x41h	4102104
122x45h	4102105
135x50h	4102103



Stirring Rod Holder

	Length mm	Code
Fixed	330	4105502
Adjustable	350	4105510



Stirring Rods, Ceramic

Length mm	Code
250	4105001
300	4105002



Stirring Rods, Ceramic Cigar Shape

Length mm	Code
250	4105050
300	4105051



Stirring Rod, Porcelain

Dimensions mm	Code
300x10	4105005



Stirring Rod, Quartz

Dimensions mm	Code
300x10	4105251



Crucibles



Crucibles Tongs, Forged

Tongs shaped to hold hot crucibles for pouring. With straight or curved tips.

	Length cm	Code
Curved ends	40	4111010
Curved ends	60	4111020
Straight ends	60	4111040



Stirring Rods, Graphite

* = made of isotropic graphite.

Dimensions mm	Code
300x10	4105200
300x10*	4105204
300x13	4105201
600x16	4105202
600x19	4105210



Crucible, for Galloni Induction Casting Machines

3 kg capacity. External dimensions: 100hx78 mm.
Internal diameter: 60 mm.

Description	Code
VCM, 3 kg	4116215



Crucible, for Galloni Induction Casting Machines

In high purified graphite. External dimensions: 88hx77 mm - internal dimensions: 72hx65 mm.

Description	Code
Crucible	4116150



Crucible, for Italimpianti Casting Machines - FIMM 5

2 kg capacity, hole 9 mm diam.
External dimensions: 125hx80 mm - internal dimensions 98hx64 mm.

Description	Code
Crucible	4116160



Crucible, for VC500 Crucible Indutherm Casting Machine VC500.
8,5 mm diam. hole, dimensions 120hx78 mm.

Description	Code
VC500	4116625

Crucibles

Crucible, for Yasui furnace

	Dimensions mm	Code
Yasui crucible	70x128h	4116700
Graphite stopper	23x147h	4116701



Crucibles, for Steel

Crucible made of refractory material for steel casting.

	Dimensions mm	Code
6 cc - KR 104	50x78h	4116249
25 cc - KR 114	62x114	4116251
30 cc - KR 104	50x106h	4116253
30 cc - KR 129	67x97h	4116254
60 cc - KR 130	70x115h	4116252



Crucible Cover

Ceramic covers.

For item	H mm	Code
4116300	88	4116500
4116310	86	4116510
4116320	112	4116520



Crucibles, for Electric Centrifugal Casters

Graphite crucible

Capacity kg	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
1	88	78	60	48	130	4116200
2	88	78	74	62	200	4116210
3	105	95	97	76	360	4116220



Ceramic Shield

For item	H mm	Int. H mm	Ext. ø mm	Int. ø mm	Weight g	Code
4116200	88	80	68	57	120	4116300
4116210	88	80	86	72	160	4116310
4116220	98	90	100	88	300	4116320



Crucibles



Crucibles, Conical

Crucible set made of graphite crucible and ceramic case.

Capacity kg	H mm	Ext. ø mm	Weight g	Code
0,3	78	50	220	4116248
0,8	107	50	250	4116250
2,0	148	70	400	4116852



Crucible cover

Made of refractory material.

Description	Code
for kit 4116248 - KZ 101	4116525
for kit 4116250 - C53	4116530
for kit 4116852 - KZ 103	4116541



Crucibles, for Centrifugal Machine

These crucibles, made of first class material, are designed for platinum castings and do not contain impurities which pollute the alloys.

Capacity g	Model	Code
150	Y15PT	4116870
350	100-429	4116876
500	100-411	4116875



Boron Nitride

High-temperature, anti-stick release agent to coat graphite crucibles. It works by forming a non-wetting, non-reactive layer or barrier to protect graphite substrates used for metal transportation or casting operations.
450 cc bottle.

Description	Code
Boron Nitride	4106980

Ingot molds



Ingot Molds, Vertical

Cast iron molds, for plate.

Dimensions mm	Code
60x35x3.5	4114020
70x45x4.5	4114030
100x45x4.5	4114040
120x60x5	4114050
160x80x10	4114070
200x75x8	4114090
220x80x8	4114110
250x80x10	4114116
300x100x10	4114140



For square wire. 2 channels.

Dimensions mm	Code
160x8x8	4115220
200x8x8	4115235
250x10x10	4115250



For square wire. 3 channels.

Dimensions mm	Code
150x4x4 - 6x6 - 8x8	4115415



For round wire and plate. Double sided.

Description	Code
4 channels (4-5-6-7 mm) - ingot wt 272 g	4115450
6 channels (4-5-6-7-8-10 mm) - ingot wt 778 g	4115460



Ingot Molds, Vertical Angled

27° angled molds for round wire, with 2 round channels. Upon special request molds for square wire are available.

Dimensions mm	Code
200x14	4115520
300x16	4115521

Ingot Molds, Vertical Cored

27° angled cored iron mold, with 2 round channels, dimensions 220x12 mm. Upon request other sizes are available.

Dimensions mm	Code
220x12	4115607



Ingot Molds, Strip

Machined from high quality tool steel, excellent for pouring metal into sheet and wire.

Description	Code
2 channels + 1	4113010
3 channels + 1	4113110
4 channels + 1	4113120

Flasks

Flasks, Stainless Steel

These 304-quality stainless flasks are corrosion-resistant and distortion-tolerant of extreme temperatures.

Dimensions mm	Code
76x102	4119110
76x127	4119112
89x102	4119170
89x127	4119180
89x152	4119184
102x127	4119200
102x152	4119205
102x179	4119215
102x254	4119220
127x203	4119260
127x254	4119230



Flasks, Perforated with Flange

Specially engineered, large-hole perforation pattern offers larger draw. Heavy #304 steel (3 mm thick) stainless walls for long life. Thick steel flanges are welded to both sides for optimum seal.

Dimensions mm	Code
76x102	4119623
76x203	4119622
89x152	4119625
89x203	4119620
89x229	4119621
102x152	4119523
102x203	4119602
102x229	4119619
127x203	4119613
127x229	4119608
127x254	4119609
152x254	4119604
152x300	4119616



Flasks, Flangeless Perforated

AISI 304 stainless steel flasks, 3 mm thickness, designed with the quality and specifications of the flasks above, but without flanges; for use in casting machines that accept flangeless flasks.

Dimensions mm	Code
76x152	4119611
89x203	4119634
102x152	4119640
102x203	4119615
102x254	4119617
127x203	4119670
127x254	4119618



Shrink Bands

Only few seconds are needed in a steam dewaxer to shrink the band over the flask for a leak-proof fit. Easy to remove. 1200 bands package.

Dimensions mm	Code
102x203	4119624
127x229	4119626





Alpaca

Silvery white Alpaca for casting, studied specifically to obtain bright, oxidation-free lost-wax castings. Contains Nickel.
Standard package: 20 kg.

Description	Code
Alpaca	ALPCAST



Bronze, BR10S

Bronze for casting, pink color. Tin content: 10%.
Standard package: 20 kg.

Description	Code
Bronze	BR10S



Oxygen-Free Electrolytic Copper

In stick form. Oxygen content: less than 8 ppm.

Description	Code
Copper in stick Oxygen-Free	CUSTI



Electrolytic Copper, CUST

Copper in sticks with oxygen content less than 250 ppm.
Standard package: 20 kg.

Description	Code
Copper in stick	CUST



Electrolytic Copper, CUG

Electrolytic copper in drops, with oxygen content less than 50 ppm.
Standard package: 20 kg.

Description	Code
Copper 99.9 in drops	CUG

Metals, Alloys and Fluxes

2% Berillium Copper

Shared in 60-150 g ingots.

Description	Code
Berillium Copper 2%	4504001



Indium

Indium in ingots for soldering alloy.

Description	Code
Indium ingots	INDIO



Zinc

Zinc in drops 99,995% SHG.
Standard package: 20 kg.

Description	Code
Zinc	ZNG



INOXCAST Steel

Stainless austenitic steel (X2CrNiMo 17-12-2) with excellent corrosion resistance in natural and urban environments, also in industrial conditions with moderate presence of chlorides and acid atmospheres, containing sulphuric, phosphoric, organic, chlorinated compounds. It has good resistance to intergranular corrosion. The alloy has excellent steel-to-steel and steel-to-gold alloys weldability with Tig and laser technology; it can be welded on silver using weld material. It has good fluidity and castability. The alloy is nonmagnetic in the solubilized state.
In 6 mm diam. needles.

Description	Code
AISI 316L needles	INOXCAST





Sprue-Cutter, CP-20X

Durable cutter that delivers years of heavy production use and alleviates hand and wrist fatigue that could lead to carpal tunnel syndrome. It can reach difficult areas.

- Air-powered cutter requires no hand strength to operate.
- Blade stop protects jaws and keeps edges sharper and cutting longer.
- Weight: 600 g.
- Grip size: 45 mm.
- Length: 242 mm.
- Operates on 4-6.9 bars compressed air at 23 lpm.

Blades are sold separately.

Description	Code
CP-20X pneumatic cutter	4232001
Steel blades P600	4232002
Carbide blades Z600	4232004
Steel blades F500 for light duty	4232005



Sprue-Cutter, CP-30X

Durable and powerful cutter that gives solid day-in, day-out performance with a minimum of maintenance.

- Air-powered.
- Blade stop protects jaws and keeps edges sharper and cutting longer.
- Heavy-duty jaws (optional) cut sprues up to 5 mm in diameter.
- Operates on 4-6.9 bars compressed air at 23 lpm.
- Maximum cutting pressure of 106 kg/cm²
- Weight: 940 g.
- Diameter: 56 mm.
- Length: 257 mm.

Blades are sold separately.

Description	Code
CP-30X pneumatic sprue cutter	4232015
Widia blades Z800	4232030
P800 steel blades	4232020
S700 steel blade for light duty	4232007



Mod. E124N

Diagonal cutting, extra-full flush cutters, with oval head bended 30° and antistatic handles. Overall length 180 mm.

Description	Code
Cutter mod. E 124N	4225750



Cutters, double-lever

Cutters with diagonal cutting and spring return, black jaws and plated handles.

Model 2990

Max. 2 mm hard wire diameter.

Available 140 and 160 mm length.

Length mm	Weight g	Code
140	160	4230300
160	175	4230310

Manual & pneumatic sprue cutters

Mod. 2999

Max. 2 mm hard wire diameter, weight 200 g. Length: 160 mm.

Description	Code
Double lever	4230318



Double-Lever Nipper, mod. 258 AU

Cutter with diagonal cut; length 240 mm, polished tips, handles covered with PVC sleeves. Gold wire cutting capacity: 5 mm diameter, weight 320 g.

Description	Code
Cutter mod. 258 AU	4225760



BERGEON nipper

This Bergeon sturdy nipper, with flat head, is indicated for cutting sprues; it features blocking device.

Overall length 260 mm, weight 415 g.

Description	Code
Cutter mod. 6599	4230335
Spare head	4230331
Spare spring	4230332



BSC nipper

Nipper with flat head, double lever, overall length 260 mm.

Description	Code
Cutter mod. 041	4230380





Bench, 1-seat

Single work bench with central drawers and steel top.
Dimensions: 80x60x97h cm.
Weight: 50 kg.

Description	Code
1-seat work bench	1740101



Bench, pressed wood/steel

1- or 2-seat pressed wood and steel work bench, with pull-out trays, steel top and lateral drawers.

1-seat workbench:
Dimensions: 115x60x95h cm.-
Weight: 82 kg.

2-seat work bench:
Dimensions: 168x55x96h cm.
Weight: 155 kg.

Description	Code
Pressed wood/steel work bench	1740103
Pressed wood/steel work bench - 2 seats	1740105



Bench, shaped pressed wood

2-seat pressed wood bench, with shaped central pull-out tray and top, and 5 central drawers.
Dimensions: 185x63x96h cm.
Weight: 120 kg.

Description	Code
Pressed wood/steel work bench - 2 seats	1740107



Bench, mod. 4

1-seat wooden workbench, with center pull-out trays and three lateral drawers.
Dimensions: 120x60x95h cm
Weight: 75 kg.

Description	Code
Mod. 4	1740201



Bench, mod. 7

1-seat wooden workbench, with center shaped pull-out trays (lined with zinc) and seven lateral drawers.
Dimensions: 120x60x96h cm.
Weight: 64 kg.

Description	Code
Mod. 7	1740204



Bench, mod. Luxo 5

2-seats wooden workbench, with center shaped pull-out trays and eight central drawers.

Dimensions: 200x95x60h.

Weight: 100kg.

Description	Code
Mod. Luxo 5	1740212



Bench, 2-seat

2-seat metal workbench with stainless steel surface, ceiling light and 3 drawers.

Dimensions: 158x56x90h cm.

Weight: 90 kg.

Description	Code
Metal workbench - 2 seats	1742500



Bench, 1-seat

1-seat metal workbench, complete with ceiling light and gas connections (220V/50 single-phase).

Dimensions: 85x56x90h cm.

Weight: 51 kg.

Description	Code
Metal workbench - 1 seat	1742490



Bench, 2-seat oversized

2-seats metal workbench, 2 mt length, complete with ceiling light, gas connections, 3 pull-out trays and separating drawers.

Dimensions: 185x56x90h cm.

Weight: 110 kg.

Description	Code
Oversized metal workbench - 2 seats	1742510

Bench pins



Bench pins

These superior-quality hardwood bench pins are speciali finished to hold their shape. Available in different sizes to fit any bench.

Dimensions mm	Code
145x70x38	4428600
145x80x38	4428602
145x85x38	4428605
145x90x38	4428610



Bench pin, special

This bench pin is designed to be used with metal work benches.

Description	Code
Bench pin for metal workbench	4428630



Filing container

Copper container for filing gathering. Diameter 33 mm, weight 520 g.

Description	Code
Copper container	4211300



Filing boxes

Thin iron boxes to stock filing and voids. The small type (29) contains 2 chip pans, 4 cans and 2 cans with cover. The bigger type (29/A) has 4 chip pans, 8 cans and 4 cans with cover.

	Dimensions mm	Code
Mod. 29	210x140x85	4211460
Mod. 29/A	290x230x90	4211465



Filing Cans

Cans complete with sieve.

Dimensions mm	Code
ø 60x70 h	4211451
ø 85x110 h	4211450

Engraving tools

Engraving sphere

Aluminium sphere for engravers, diameter 105 mm.

Description	Code
Engraver sphere	4435010



Engraving vise

Revolving steel vise for engravers; comes complete with stand. Diameter 140 mm.

Description	Code
Revolving steel vise	4435100
Clamps set for revolving vise	4435101



Ring pad

One-sided leather covered pad, diameter 150 mm, for bowls from 100 to 200 mm diameter, filled compactly.

Description	Code
Ring pad	4435510



Grinding boxes and extractor fans

Suction group

Portable suction group complete with suction hood that can be fixed on the bench, to gather the dust during work operations. It features a microfiber filter that must be substituted after 80-100 hours of operation.

V220/50 single-phase, 1300W.

Description	Code
Extractor fan	1742591
Filter only	2742591



Grinding boxes

These plexiglass grinding boxes confine precious metal waste and allows you to have a protected view of your work from any angle.

Dimensions mm	Code
200x200x400h	4682050
325x250x290h	4682060



4682050



4682060



Loupes, Round triplet

These loupes have three bonded lenses that are highly corrected for spherical and chromatic aberrations for a sharp and distortion-free image. Diameter 18 mm, magnification power 10X.

Description	Code
Black	4670582
Chromed	4670584
Gold	4670586



Loupes, High quality triplet

High-precision triplet loupes, with genuine leather case. Magnifying power 10X.

Description	Code
Chromed - diam. 18 mm	4670495
Rubber - diam. 18 mm	4670497
Rubber hexagon - diam. 20.5 mm	4670498
Rubber - diam. 21 mm	4670496



Counting glass lenses

Foldable brass loupes, in different sizes for any application.

Description	Code
Loupe 15x15 mm - 10X	4670395
Loupe 25x25 mm - 7X	4670402



Bergeon loupes, adjustable

This loupe has a lens mounted in a strong plastic frame in which is fitted a tube carrying another lens. The inside of the frame is finely threaded and allows the adjustment to your sight.

Description	Code
Loupe 12X	4670650
Loupe 15X	4670652



Bergeon loupes, biconvex

Bergeon sets the standard for this watchmaker loupe style that is widely used in the industry. An excellent choice for any application where magnification is needed while hands are kept free, these loupes offer comfort and precision optics for a clear, distortion-free image.

Power	Code
6.7X	467066#1.5
5X	467066#2.0
4X	467066#2.5
3.3X	467066#3.0
2.8X	467066#3.5
2.5X	467066#4.0



Loupe, giant

Loupe with 4X magnifying power, diameter 40 mm.

Description	Code
Loupe 4X	4670452

Loupes and magnifiers

Optivisor

Optivisor is the first choice of many jewelers because its lightweight glass lenses, ground and polished to prismatic optical standards, provide clearer, better optics. Genuine comfort leather band makes the Optivisor more comfortable than other magnifying visors, too.

- Self-locking dial adjustment provides a good fit on any size head and over eyeglasses.
- Adjustable tension-pivot assembly keeps visor in desired position.
- Interchangeable lens plates for optimal magnification on a variety of tasks are also available.

Optivisor with lens

Power		Focal length	Code
1.5X	# 2	20"	467045# 2
1.75X	# 3	14"	467045# 3
2X	# 4	10"	467045# 4
2.5X	# 5	8"	467045# 5
2.75X	# 7	6"	467045# 7
3.5X	# 10	4"	467045# 10



Individual lens plates

Power		Focal length	Code
1.5X	# 2	20"	467046# 2
1.75X	# 3	14"	467046# 3
2X	# 4	10"	467046# 4
2.5X	# 5	8"	467046# 5
2.75X	# 7	6"	467046# 7
3.5X	# 10	4"	467046# 10



Megaview

Super-light visor lens with adjustable band. Comes with 3 lenses (2X, 2.5X and 3X).

Description	Code
Megaview	4670457



Magnifier, CO-5

Super-light clip-on magnifier complete with frame. Magnification power 2.5X.

Description	Code
CO-5 magnifier	4670530



Head magnifier

Lightweight and handy visor lens; comes with 4 interchangeable lenses of 1.2X, 1.8X, 2.5X and 3.5X.

Description	Code
Head magnifier	4670555





Microscope, Trinocular

- 10X standards oculars
- extra oculars: 10X
- zoom: 10X-40X
- max. magnifying power (with 20X oculars): 160X
- can be connected to camera
- voltage: 220V, 12V/10W halogen bulbs
- Weight: 6.5 kg

Description	Code
Trinocular microscope	4670060



Microscope, Monocular

- magnifying power: 10X-40X
- 10X standards oculars
- adapter for camera included
- voltage: 220V/50Hz
- weight: 2.4 kg

Description	Code
Monocular microscope	4670061



Camera

High-resolution USB 2.0 camera for mono- and trinocular microscopes.

- 1.3 Megapixel
- resolutions: 640x480 - 800x600 - 1024x760 - 1280x1024
- USB 2.0 interface
- 20 frames per second
- driver and software included
- supported files: JPG TIFF BMP etc.

Description	Code
Camera	4670062



Microscope, Binocular

Microscope mod. MSL4330 (10X and 30X).

- standard oculars: 10X
- extra oculars: 20X
- max. magnifying power (with 20X oculars): 60X
- voltage 220V/50Hz
- weight: 4 kg

Description	Code
Bench microscope	4670040

Lamps

Lamps, with magnifier

Lamps with reflective diameter of 230 mm, lens diameter 120 mm with 3 diopters - 0.75X magnifying power. Item 188 - with clamp - has a maximum extension of 1080 mm; item 198 has cast iron base with 760 mm of maximum extension. Voltage: 220V.

Description	Code
Mod. 188 - with clamp	4670100
Mod. 198 - with cast iron base	4670110
Spare circline bulb 22W	4670115



Lamp, with magnifier

Portable 22W lamp with lens diam. 100 mm with 3 diopters and fixing clamp. Voltage: 220V.

Description	Code
Light diam. 100 mm	4670151



Lamp, with magnifier

30W lamp with 3 diopters lens (diam. 150 mm) and fixing clamp. Voltage: 220V.

Description	Code
Light diam. 120 mm	4670150
Spare circline bulb 30W	4670152



Lamp, with magnifier

180x160mm rectangular lens (3 diopters) with 2 lamps 11W; fixing clamp. Voltage: 220V.

Description	Code
Mod. 994-BI - with clamp	4670155



GRS Gravermax

Ideal for a wide range of engraving tasks, this complete package includes: a GraverMax, a #901 quick-change handpiece, a #710 quick-change handpiece, a GRS Ultra 850 high-speed rotary handpiece, a manual graver handle, tools, accessories and instructions.

- Three ports allow you to keep two impact and one air-driven rotary handpiece set up for work; only one handpiece can be used at a time.
- Handpieces transform internal impacts into a smooth force of 400 to 4000 strokes per minute to create clean cuts with gravers and chisels.
- The foot control offers instant, hands-free impact pressure management.
- 230V.
- Weight: 7.8 kg.

An air compressor is required.

Description	Code
GRS Gravermax SC	4611111



[1GRS handpiece kit]

This kit includes #901 handpiece, quick-change handle, nine quick-change tool holders, six steel points, one GlenSteel graver, a tool tray and accessories.

Description	Code
#910 quick-change handpiece kit	4611112



GRS gravers

Set of 12 HSS gravers:

- 5 flat gravers (nr. 37/38/39/40/42)
- 3 onglette gravers (nr. 2/0-1-3)
- 2 round gravers (nr. 51-52)
- 2 knife gravers (nr. K1-K2).

Description	Code
Quick-change engraver's kit	4611113



Benchmate

This kit includes:

- A workholder that provides support for stone-setting and moves easily along every axis. You can lock it solidly in any position and it includes a right-side hand rest (which is slotted to accept a third-hand attachment).
- An indestructible metal ring clamp with urethane jaws.
- A handy T-shaped metal shellac pad.
- A mounting plate
- A hardwood bench pin kit
- An inside-ring holder with seven collets, expansion screw and wrench.

Description	Code
Stone setting kit	4435005





Gravers, Vallorbe

Made of premium-quality carbon steel, these gravers are available in different shapes. Overall length: 65 mm.

Vallorbe flat gravers - L00401

For bright cutting, background removal, lettering and stylish borders.

Width mm	Code
0.2	443101#2..
0.4	443101#4..
0.6	443101#6..
0.8	443101#8..
1.0	443101#10.
1.2	443101#12.
1.4	443101#14.
1.6	443101#16.
1.8	443101#18.
2.0	443101#20.
2.4	443101#24.



Vallorbe half-round gravers - L00402

For bead-raising, block lettering and line engraving.

Width mm	Code
0.2	443102#2..
0.4	443102#4..
0.6	443102#6..
0.8	443102#8..
1.0	443102#10.
1.2	443102#12.
1.6	443102#16.
2.0	443102#20.



Vallorbe onglette gravers - L00403

For stone-setting, line engraving, inlay works and borders.

Width mm	Code
1.16	443103#5.0
1.24	443103#4.0
1.35	443103#3.0
1.45	443103#2.0
1.58	443103#0..
1.78	443103#1..
1.94	443103#2..
2.16	443103#3..
2.54	443103#4..
2.74	443103#5..
2.94	443103#6..
3.14	443103#7..
3.36	443103#8..



Vallorbe knife gravers - L00406

For fine-line engraving and deep, narrow cuts.

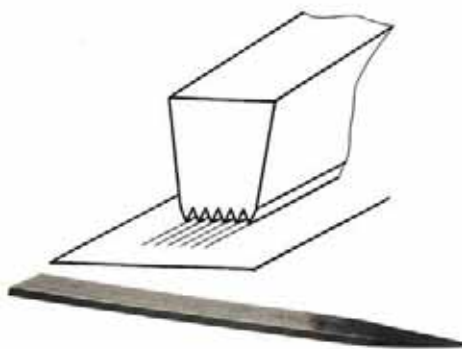
Width mm	Code
1.8	443106#18.
2.0	443106#20.
2.2	443106#22.
2.4	443106#24.
2.6	443106#26.
2.8	443106#28.
3.0	443106#30.
3.2	443106#32.



Vautier onglette gravers

For stone-setting, line engraving, inlay works and borders.

Width mm	Code
0.16	443130#000
0.18	443130#00.
0.19	443130#0..
0.22	443130#1..
0.25	443130#2..
0.27	443130#3..
0.29	443130#4..
0.31	443130#5..



Vallorbe steel line gravers

Line gravers for satin finish.

Gravers # 10

No. of rows/cm = 80.

Width mm	No. rows	Code
3.75	4	443120#10.R4
6.25	6	443120#10.R6
8.75	8	443120#10.R8
11.25	10	443120#10.R10
16.25	14	443120#10.R14

Gravers # 12

No. of rows/cm = 67.

Width mm	No. rows	Code
4.47	4	443120#12.R4
7.45	6	443120#12.R6
10.43	8	443120#12.R8
13.41	10	443120#12.R10
19.37	14	443120#12.R14

Gravers # 14

No. of rows/cm = 57.

Width mm	No. rows	Code
5.25	4	443120#14.R4
8.75	6	443120#14.R6
12.25	8	443120#14.R8
15.75	10	443120#14.R10
22.75	14	443120#14.R14

Gravers # 16

No. of rows/cm = 50.

Width mm	No. rows	Code
6.00	4	443120#16.R4
10.00	6	443120#16.R6
14.00	8	443120#16.R8
18.00	10	443120#16.R10
26.00	14	443120#16.R14

Gravers # 18

No. of rows/cm = 44.

Width mm	No. rows	Code
6.81	4	443120#18.R4
11.35	6	443120#18.R6
15.89	8	443120#18.R8
20.43	10	443120#18.R10
29.51	14	443120#18.R14

Gravers # 20

No. of rows/cm = 40.

Width mm	No. rows	Code
7.5	4	443120#20.R4
12.5	6	443120#20.R6
17.5	8	443120#20.R8
22.5	10	443120#20.R10
32.5	14	443120#20.R14



Graver handles

Reinforced metal collars on these wooden handles reduce the chance of splitting while providing a firm grip on gravers. Available in smooth or faceted shape.

Smooth handles

Description	Code
N. 1	4428500
N. 2	4428505
N. 3	4428510
N. 4	4428515
N. 5	4428520
N. 6	4428525
N. 7	4428530
N. 8	4428535
N. 9	4428540



Faceted handles

Description	Code
N. 1	4428550
N. 2	4428551
N. 3	4428552



Arkansas sharpening stones

- Arkansas stones are ideal for gravers, knives and other cutting tools.
- Genuine, natural Arkansas stones are the only stones in the world that will polish cutting edges as they sharpen.

Dimensions mm	Code
100x50	4493010
125x50	4493020
150x50	4493030
175x50	4493040
200x50	4493050
250x50	4493052



Graver sharpener

Choose from two angles to quickly achieve the accurate hone and sharp edge needed for professional engraving results. Index adjustment for both angle and pitch; it can be used with any sharpening stone.

Description	Code
Graver sharpener	4432300

Milligrain and beading tools



Milligrain tools

Millgrains with square body for decorating bracelets, rings and other articles. Length 70 mm, weight 3 g.

Description	Code
N. 000	443350#000
N. 00	443350#00
N. 0	443350#N.0
N. 1	443350#N.1
N. 2	443350#N.2
N. 3	443350#N.3
N. 4	443350#N.4
N. 5	443350#N.5
N. 6	443350#N.6
N. 7	443350#N.7
N. 8	443350#N.8
N. 9	443350#N.9
N. 10	443350#N10
N. 11	443350#N11
N. 12	443350#N12



Beading tools

	ø mm	Code
N. 0	0.25	443411#0.
N. 1	0.30	443411#1.
N. 2	0.35	443411#2.
N. 3	0.40	443411#3.
N. 4	0.45	443411#4.
N. 5	0.50	443411#5.
N. 6	0.55	443411#6.
N. 7	0.60	443411#7.
N. 8	0.65	443411#8.
N. 9	0.70	443411#9.
N. 10	0.75	443411#10
N. 11	0.80	443411#11
N. 12	0.85	443411#12
N. 13	0.90	443411#13
N. 14	0.95	443411#14
N. 15	1.00	443411#15
N. 16	1.05	443411#16
N. 17	1.10	443411#17
N. 18	1.15	443411#18
N. 19	1.20	443411#19
N. 20	1.25	443411#20
N. 21	1.30	443411#21
N. 22	1.35	443411#22



Beading tool, sets

Set # 901 (12 pcs) includes one each from # 1 to # 12; set # 902 (23 pcs) one each from # 0 to # 22.

They come with 1 handle.

Description	Code
Beading tool set # 901	4434010
Beading tool set # 902	4434018



Beading tool, concave sets

Wooden box beading tool kits complete of wooden handle.

- 12 tools kit: diam. 1, 1.50, 2, 2.50, 3, 3.50, 4, 5, 5.50, 6, 7, 8.

- 18 tools kit: diam. 1, 1.25, 1.50, 1.75, 2, 2.25, 2.50, 2.75, 3, 3.25, 3.50, 4, 5, 5.50, 6, 7, 8.

- 24 tools kit: diam. 1, 1.25, 1.50, 1.75, 2, 2.25, 2.50, 2.75, 3, 3.25, 3.50, 3.75, 4, 4.25, 4.50, 5, 5.25, 5.50, 5.75, 6, 6.50, 7, 7.50, 8.

Description	Code
Set 12 pcs	4434020
Set 18 pcs	4434030
Set 24 pcs	4434040

Engraving machines

Ringstar, inside ring engraver

The machine for ring inside engraving - easy handling and perfect results.

- Steplessly variable height of letters between 1 and 3 mm
- Adjustable engraving depth by variable diamond pressure via adjustable spring.
- Easy to operate, it takes only minutes to familiarize with the machine.

Description	Code
Ringstar engraving machine	1609010
Diamond - shank 2.5 mm	2609024



Engraving machine, Pepetools

Machine to engrave flat and semi-curved items. The diamond stylus provide clean and professional engraving results.

- Adjustable combination slide accommodates 7 mm and 3 mm font blanks.
- Height adjustment up to 11 mm; 15 pantograph ratios from 2,5:1 to 6:1.
- Includes 140-piece double-line block letter type set; single-line block and double-line script font sets are available separately.
- Quick-slide vise accommodates circular or rectangular plates up to 100 mm; includes four pins that fit into the vise.
- Vise rotates 360° with stops every 45° for easy access and positioning.
- Compact 355x370x280 mm.

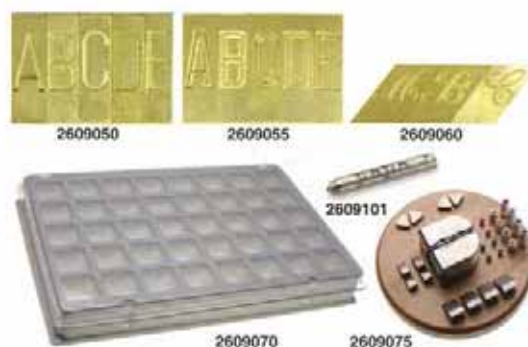
Available separately a 30-piece accessory kit with holding pins and block for securing the items to be engraved.

Description	Code
Pepe's horizontal engraver	1609050



Pepetools engraver's accessories

Description	Code
Single-line block font set - 140 pcs	2609050
Double-line block font set - 140 pcs	2609055
Double line script - 140 pcs	2609060
Plastic box for fonts	2609070
Attachment set	2609075
Diamond stylus	2609101



Engraver for rings, Pepetools

Quickly create cherished keepsakes with this inside-ring engraver. Its diamond stylus, automatic letter centering, uniform character spacing and uniform engraving depth make operation easy and ensure professional results. Ideal for narrow, wide or stone-set rings.

- Includes a two-sided, non-continuous block lettering dial with 1 mm standard block letters and numerals on one side and 2 mm italic block letters and numerals on the reverse. Other letter style available - sold separately.
- Includes easy-to-follow instructions and three brass ring blanks for practice.
- Jaw rotates 360° for correct positioning.
- Unit measures 280x355x370 mm.

Description	Code
Pepe's inside ring engraver	1609900
Fancy continuous script	2609040
Modern block upper case	2609041
Diamond stylus	2609110





Micromotor, Induction type

The micromotor type MK/HF is constructed in accordance with European standards to guarantee both quality and safety. This new generation induction micromotor is piloted by a high frequency three phase generator, particularly suitable for all types of working of gold, resin and chrome-cobalt.

Main features:

- Handpiece speed of 3,000-40,000 r.p.m. with 125 watt of power.
- Good speed adjustment through the electronic control which is equipped with a reverse rotation switch and a maximum rotation limiter switch (25,000 r.p.m.) for those operations which necessitate this.
- It maintains a constant power while increasing the speed from 3,000 to 40,000 r.p.m.
- Weight: 3.7 kg.
- Voltage: 220V.

Comes with handpiece including 2,35 mm and 3 mm collets.

Description	Code
Micromotor mod. MKHF	4605150



Micromotor, with brushes

This model (MK/Q) is complete with bench control.

This extremely high powered unit is complete with an overload circuit for thermal protection and is suitable for laboratory processing of porcelain, gold, resin and frames.

Main characteristics:

- Handpiece speed of 1.500 - 30.000 r.p.m. with an absorption of 108 Watts.
- Good speed adjustment through the electronic control.
- Gradual acceleration thanks to a "ramp" circuit built into the control unit.
- Quick replacement of the chuck with use of the supplied keys.
- Weight: 2.8 kg.
- Voltage: 220V.

It comes complete with handpiece, 2.35 and 3 mm collets.

Description	Code
Micromotor mod. MK/Q	4605160



Micromotor, EM/3000

Micromotor assembly. 120 W, speed 30000 rpm. It is recommended for chromium cobalt. It comes complete with control unit, micromotor, hand-piece, rubber stand and foot-switch.

Weight: 3.2 kg.

Voltage: 220V.

2.35 mm collet handpiece.

Description	Code
Micromotor EM/3000-600/00	4605030



Drilling machine, mod. EM/5000

Micromotor assembly, 300 W, from 5000 to 30000 rpm, recommended for heavy duty operations. It comes with control unit, micromotor, rubber stand, foot switch.

Weight: 4.3 kg.

Voltage: 220V.

2.35 mm collet handpiece.

Description	Code
Drilling machine EM/5000	4605050



Reduction collets

Description	Code
Diam. 1 mm	4605016
Diam. 1.6 mm	4605017
Diam. 2.35 mm	4605018

Micromotors

Handpieces

Handpieces to be used with the above mentioned micromotors (EM/3000 and EM/5000).

Description	Code
Handpiece with 4 collets (0-3 mm)	4605019
Handpiece diam. 2,35 mm	4605038
Handpiece diam. 3 mm	4605039
Handpiece diam. 6 mm	4605034



Saeshin micromotors

Saeshin series assures reliable and economic instruments. All the models are provided with manual control or foot rheostat. Every kit includes control box, handpiece and handpiece support.

Micromotor, Strong 90

- Economic, easy to use
- Speed: 35.000 rpm
- Provided with 2.35 collet handpiece
- Power: 60W
- Voltage: 230V-50/60 Hz
- Control box dimensions: 95x125x62h mm
- Weight: 1.3 kg
- Handpiece dimensions: 151x29 mm diam.
- Weight: 196 g.

Description	Code
Strong 90	4605700



Micromotor, Strong 207A

Compact sized control box with strong micro motor handpiece

- High powered 35.000 rpm
- Right & left turning ability
- Foot speed control (Strong 207A) or foot ON/OFF control (Strong 207B)
- Ergonomical design
- Power: 130W
- 230 Volt 50/60 Herz
- Weight: 1,2 kg
- Control box dimensions: 130x150x80h mm
- Handpiece dimensions: 158x29 mm diameter
- Weight: 218 g.
- 2.35 mm collet handpiece.

Description	Code
Strong 207A	4605703
Strong 207B	4605702



Micromotor, Strong 206

- 1,000-45,000rpm High-powered Carbon brush motor
- Ergonomic design
- Double output
- Feedback control and automatic overload protection system
- Right/Left turning ability
- Foot speed control.
- 230V - 50/60 Herz
- Power consumption: 80W.
- Box dimensions: 130x190x107h mm.
- Weight: 2.19 kg.
- Handpiece dimensions: 159x29 mm diam.
- Weight: 80 g.
- 2.35 mm collet handpiece.

Description	Code
Strong 206	4605701



Flex shafts

Flex shaft systems

F80 flex shaft

Flex shaft for jewelry works. 110W - 8000 rpm.

To be completed with:

- electronic foot control
- flex plastic shaft with handpiece (with 4 collets: 0, 1, 2.35, 3 mm)

Description	Code
F80 motor only - 220V	4600010
TML/O flex shaft with handpiece and collets	4612100
Spare internal section for TML/O - ø 4 mm	4612102
Foot control - 2 cables	4600561



F80 PLUS flex shaft

Flex shaft for jewelry works - powered version of motor F80. 130W - 10000 rpm.

To be completed with:

- electronic foot control
- flex shaft with metal outer sheath
- handpiece with 2.35 collet

Description	Code
F80-PLUS motor only - 220V	4600015
Handpiece with 2.35 collet	4608040
TML flex shaft w/outer metal sheath - for mount handpiece	4612009
TML flex shaft w/outer plastic sheath - for mount handpiece	4612010
Foot control - 2 cables	4600561



Flex shafts

Reinforced flexible shafts, with metal or plastic outer sheath.

Description	Code
S-TML, metal sheath, core ø 4 mm	4612019
S-TML, plastic sheath, core ø 4 mm	4612020
TML-52, metal sheath, core ø 5 mm	4612030
TML-52, plastic sheath, core ø 5 mm	4612029



Flex shafts, kits

- Mod. 152 is to be used with F80 motor type in jewelry works, and comes complete with handpiece (4 collets: 0, 1, 2.3, 3 mm) and plastic reinforced outer sheath.

- Mod. 153 has the same features as 152, but has metal outer sheath.

Core diameter: 3 mm.

Description	Code
Heavy flex shaft mod. S/TML/O - plastic	4612090
Heavy flex shaft mod. S/TML/O - metal	4612089



Handpieces, for flex shaft systems

- Mod. 140: handpiece with bayonet mount complete with 4 collets (0, 1, 2.35, 3 mm).

- Mod. 165: industrial handpiece with bayonet mount and mandrel from 0 to 4 mm.

- Mod. 181: laboratory handpiece with 3 mm collet.

Description	Code
Handpiece mod. 140	4608010
Handpiece mod. 165	4608030
Handpiece mod. 181	4608041





Flex shaft system, FARO

This motor gives you absolute safety thanks to the double insulation, long-term durability with great performance and quality of advanced engineering.

The flex shaft is sturdy but handy, and thanks to a special joint that insulates it from the motor, it eliminates any vibration.

The electronic rheostat is double insulated too, giving smoothy progressive motor speed control.

The handpiece with 2.35 mm collet rotates on self-adjustable ball-bearings; it is ideal for laboratory works with a speed up to 22.000 rpm; it is solid, lightweight, and very simple in use and maintenance.

Description	Code
Motor with rheostat	4603009
Handpiece with 2.35 collet	4608100
Flex shaft dam. 5 mm	4612550
Rheostat with lever	4603011



Handpiece, type "F"

This handpiece runs on self-regulating ball bearings, and is designed to satisfy any laboratory need; it can develop speeds up to 22.000 rpm.

It is sturdy though lightweight, and is easy to use and to maintain.

It comes with 3 mm collet.

Description	Code
Handpiece type "F", diam 3 mm	4608110



Hammer handpiece

This handpiece is entirely built in metal: it is sturdy despite its ergonomic shape and a diameter of 19.5 mm only.

It is possible to increase or reduce the percussive force simply rotating a toothed gear wheel. It is supplied with a conical striker 31 mm long and 2.5 mm diameter.

- Max. rotating speed: 4000 rpm.

- Length: 118.5 mm.

- Weight: 95 g.



Description	Code
Hammer handpiece HM20	4610055
Tempered conical striker	4610060
Ruby tip	4610125



Flex shaft systems, Foredom

The TXR has permanent magnet DC motors featuring the newest technology.

This ball bearing motor has advanced rare earth magnets in place of wound fields, that deliver more torque at low speed and throughout the entire speed range than standard universal motors of the same size.

The TXR comes with standard flexible shaft and sheat for connecting to any Foredom "quick disconnect" hand-pieces; TXR must be used with its control, which have dedicated, TX-specific electronics for smoother acceleration and extra control of the tool, drill or bur under any load. American joint.

- foot control in plastic housing.

- 15.000 rpm.

- 220V/50Hz.

To be used with 30H handpiece (permanently lubricated, shielded ball bearings and chuck with 4 mm capacity)

Description	Code
TX-TXR shaft motor - with shaft and foot control	4604100
H-30 handpiece	4608195
Foot control	4604145

Flex shafts

Bench motor

A bench style version of Foredom's high-torque/low-speed motor above, where an integrated speed control is mounted in a cast-iron base for easy placement anywhere on the workbench.

The permanent magnet motor achieves a top speed of 5,000 rpm. It is perfect for stone-setting, wax carving and other low speed applications demanding precise control.

The closed housing offers quiet operation and prevents dust from entering the motor. The dial control allows precise and reliable speed control, as well as good repeatability of speed settings. The motor comes supplied with Foredom's standard shaft and a more flexible neoprene sheath. The handpiece is not included.

The Foredom flex shaft system is designed to allow interchangeability of most handpieces.

Description	Code
LM bench style system	4604115



Handpieces, Foredom

· Mod. H-8: collet-type chuck handpiece with slim design and chuck guard sleeve that protects fingers when working close and slides back when changing collets and accessories. Comes with 2.35 mm and 3.18 mm collets, and set of chuck wrenches. 155 mm long, diam. 16 mm, weight 160 g.

· Mod. H-28: collet-type chuck handpiece with a slender, comfortable design and tapered grip. Comes with 2.35 mm and 3.18 mm collets, and pin and chuck wrench. 133 mm long, diameter 19 mm, weight 135 g.

· Mod. H-52: this handpiece has a durable plastic barrel and grip that is comfortable to hold. It is smooth running with pre-lubricated ball bearings; a push/pull action on the handpiece body is all that is required to change accessories. 140 mm long, 20 mm diameter, weight 135 g.

Description	Code
H-8 handpiece	4608185
H-28 handpiece	4608190
H-52 handpiece	4608210



Flex shaft systems, basic type

25A motor

Ideal for industrial and other heavy duty applications requiring high torque including jewellery, wood carving, moulding and dental laboratory. Model 25A offers high torque speeds and smooth, controlled acceleration up to 25000 rpm.

Features:

- Power consumption: 500W
- Voltage: 220V
- 25000 rpm

Description	Code
25A motor	4609110



25C motor

Ideal for all applications including jewellery, moulding and dental laboratory. Model 25C offers high torque speeds and smooth, controlled acceleration up to 18000 rpm.

Features:

- Power consumption: 400W
- Voltage: 220V
- 18000 rpm

Description	Code
25C motor	4609115



Flex shafts



24E motor

Ideal for industrial and other heavy duty applications requiring high torque including jewellery, wood carving, moulding and dental laboratory. Model 24E offers high torque speeds and smooth, controlled acceleration up to 18000 rpm.

Features:

- Power consumption: 500W
- Voltage: 220V
- 18000 rpm

Description	Code
24E motor	4609105



24A motor

Ideal for industrial and other heavy duty applications requiring high torque including jewellery, wood carving, moulding and dental laboratory. Model 24A offers high torque speeds and smooth, controlled acceleration up to 22500 rpm.

Features:

- Power consumption: 500W
- Voltage: 220V
- 22500 rpm

Description	Code
24A motor	4609100



Handpieces, "UM" series

- Mod. 103-A: laboratory handpiece with 3 mm collet
- Mod. 12-B: slip-joint handpiece complete with 4 collets (0, 1, 2.35, 3 mm)
- Mod. 33-B: industrial handpiece with 2.35 mm collet

Description	Code
103-A handpiece	4609200
12-B handpiece	4609205
33-B handpiece	4609210



Flex shafts

Flex shafts to be used with the above systems, with metal or plastic outer sheath.

Description	Code
Metal sheath, core 5 mm	4609255
Metal sheath, core 4 mm	4609260
Plastic sheath, core 5 mm	4609270
Plastic sheath, core 4 mm	4609275

Flex shafts

Motor stands

Bench stands with vice clamping or screw clamping.

Description	Code
Screw clamping support	4614010
Vice clamping support	4614020



Drilling machine, hinged

Doriot bench kit complete with foot control and transmission.

The motor is double insulated, and the foot control gives excellent speed progression to motor rotating speed.

- 22000 rpm
- voltage: 220V
- power consumption: 300W

Description	Code
Doriot drilling machine	4606010
Spare belt C317	4606013
Spare belt C320	4606014



Drilling machine, bench type

Drilling machine featuring:

- 24-Volt controls
- quick change-over of motor pulley
- direct readout of spindle stroke
- stop on spindle stroke
- feed for micro-milling
- 5 spindle speeds from 1050 to 7000 rpm
- drilling capacity: 6 mm
- weight: 39 kg

Available in 220V single-phase or 380V triple-phase.

Description	Code
Caber bench drilling machine - 220V	1603200
Caber bench drilling machine - 380V	1603201
Spare handpiece B10, ø 0.5-6.5 mm	2603200
Spare belt	2603202





Drills, "MASTER"

HSS drills for non alloy steel, alloy steel up to 900 N/mm², cast iron, electrolytic copper, nickel silver and zamak.
10 pcs packages.

ø mm	Code
0.20	4655000
0.25	4655002
0.30	4655003
0.35	4655004
0.40	4655005
0.45	4655006
0.50	4655007
0.55	4655008
0.60	4655009
0.65	4655010
0.70	4655011
0.75	4655012
0.80	4655013
0.85	4655014
0.90	4655015
0.95	4655016
1.00	4655017
1.05	4655018
1.10	4655019
1.15	4655020
1.20	4655021
1.25	4655022
1.30	4655023
1.35	4655024
1.40	4655025
1.45	4655026
1.50	4655027
1.55	4655028
1.60	4655029
1.65	4655030
1.70	4655031
1.75	4655032
1.80	4655033
1.85	4655034
1.90	4655035
1.95	4655036
2.00	4655037
2.05	4655038
2.10	4655039
2.15	4655040
2.20	4655041
2.25	4655042
2.30	4655043
2.40	4655045
2.50	4655047
2.60	4655049
2.70	4655051
2.75	4655052
2.80	4655053
2.85	4655054
2.90	4655055
2.95	4655056
3.00	4655057

Flex shafts

Drills, helicoidal

Carbide helicoidal bits, sold individually.

ø mm	Code
0.70	4630607
0.80	4630608
0.90	4630609
1.00	4630610
1.10	4630611
1.20	4630612
1.30	4630614
1.40	4630616
1.50	4630618



Pearl Holing machine

This machine is ideal for holing pearls or round items with a hardness up to 5 Mohs. With enhanced holing accuracy, it has a very compact body (only 4.2 kg) and can hole pearls up to 35 mm diameter.

- Speed from 6000 to 65.000 rpm.
- Dimensions: 145x235x122h mm.
- It comes with 5 couples of chucks (diam. 3, 5, 7, 9, 11 mm) and 2 adjustment wrenches.
- 240V, 50/60Hz.

Drill bits are sold separately.

Bigger chucks are available upon request.

Description	Code
Pearl holing machine	1603210



Drill bits for pearls

Sold individually.

ø mm	Code
0.6	260321#D06
0.7	260321#D07
0.8	260321#D08
0.9	260321#D09
1.0	260321#D10
1.1	260321#D11
1.2	260321#D12



Brass drill chucks

Sold by the couple.

ø mm	Code
1.2	260322#D12
1.4	260322#D14
1.6	260322#D16
1.8	260322#D18
2.0	260322#D20
2.2	260322#D22
2.4	260322#D24
2.6	260322#D26
2.8	260322#D28
3.0	260322#D30
3.2	260322#D32
3.4	260322#D34





Engraving tool, GG12

12 Volt, 20.000 rpm spindle speed, fitted with ball bearing. 1,8 mm diamond bur included.

To be used with adapter mod. NG 2/S (item 4607130).

Description	Code
Engraver GG12	4607110



Pen sander, PS12

This superfine sander with linear sanding motion (as opposed to rotary or orbital) operates at 8.000 strokes per minute with 2,5 mm stroke.

It is ideal for surfaces, slots and tight corners.

To be used with adapter mod. NG 2/S (item 4607130).

Description	Code
Pen sander PS12	4607115



Milling machine, Micromot 50E

Machine ideal for milling, drilling, routing, de-scaling, polishing, cutting, cleaning, sawing, engraving, etc.

- The thyristor electronic speed control enables the selection of speeds from 5.000 to 20.000 rpm.

- Phase angle control and feedback effect circuitry yield high torques, even at low speeds.

Power consumption is 40 W max.

Length: 220 mm

Weight: 230 g.

Three Micromot collets for shanks covering 1.0 - 2.4 and 3.0 mm are supplied.

Without adapter - see item 4607135.

Description	Code
Mill/drill unit 50/E	4607105



Adapter for micromotor, NG 2/S

- Very compact design.

- Capacity: 2A at 16V open circuit and 12 V under load = 24 VA (DC).

- Primary supply 220 V.

- Polarised socket for MICROMOT plug.

- Red LED indicates readiness for use.

- PTC (Positive-Temperature-Coefficient) elements prevents overload (and plugged in tool will not automatically restart).

Description	Code
NG 2/S	4607130



Adapter for micromotor, NG 5/E

With superior capacity of 5A at 16V no load and 12 Volt under load = 60 VA (DC).

- Thyristor electronic control (with feedback) for optimum tool speed and high torque at low speeds.

- Three polarised sockets for Micromot machines.

- A pair of sockets for standard banana plugs (4 mm diameter) is also supplied.

- Practical design with storage holes for tools with 2,3 mm and 3 mm shafts.

- Foldable tool rest.

Description	Code
Adapter NG 5/E	4607135

Proxxon micromotors

Drill, FBS 240/E

Precision Proxxon drill for milling, drilling, grinding, polishing, brushing, cleaning, de-rusting, sawing, carving, engraving, etc.

The maximum speed of 20.000 rpm is continuously variable down to 5000 rpm.

The full wave electronic speed control results in virtually constant torque, even at lower speeds, in turn facilitating micro drilling.

The spindle runs in a precision ball bearing and is fitted with a lock button.

The 20 mm collar fits MICROMOT FBS stands and vices.

Maximum power consumption 100 W.

Length 185 mm.

Weight 450 g.

Insulated according to class 2 requirements.

Voltage: 220V.

With keyless chuck with 0,5 a 3,2 mm capacity.



Description	Code
Precision drill FBS 240/E	4607140

Drill Grinder, IB/E

Usable for prolonged periods when drilling, milling, grinding, polishing, cleaning, cutting and even engraving.

High concentric accuracy (max. run out 3/100ths of a mm).

This high revving, special motor has full-wave electronic speed control. The ground steel spindle runs in a ball bearing, so minimizing play. 6 high concentricity collets (1.0 - 1.5 - 2.0 - 2.4 - 3.0 and 3.2 mm and locking nut).

• 5,000 - 20,000 rpm.

• Voltage: 220 - 240 V

• Max. power consumption: 100 W.

• Stable head of die-cast aluminium

• Main housing made of fibreglass reinforced POLYAMIDE.

• Length 230 mm.

• Weight 500 g.

• Insulation to class 2.

Packed in a robust plastic case, complete with 34 bits and cutters.



Description	Code
Professional drill IB/E	4607145

Carver, SGM

Perfect for carving all wood types and working plaster of paris.

Fibreglass reinforced POLYAMIDE casing. Die-cast aluminium gear housing. Multiple ball bearings and thrust bearing.

• Voltage 220/240 V (50/60 Hz)

• 12,000 cuts/min

• Includes: 3 bi-metallic blades (gouge, V and bevel chisel shapes).

• Length 240 mm.

• Weight: 670 g.



Description	Code
Carver SGM	4607150



Belt Sander, BSL 200/E

Sander for shape finishing, mortising, fine polishing (flat surfaces). Also for deburring metal, paint removal and fine finishing.

Head of die-cast aluminium.

Sanding belt can be changed in a matter of seconds.

Packed in durable plastic case and includes 4 sanding belts (2 pcs grit 80 and 180).

Full wave electronic speed control.

· Sanding belt 10x330 mm.

· Belt speed electronically controllable from approx. 300 - 700 m/min.

· Voltage: 220 - 240 V

· Maximum power consumption: 100 W

· Stable head of die-cast aluminium

· Main housing made of fibreglass reinforced POLYAMIDE

· Insulated to class 2.

· Length 350 mm

· Weight: 650 g.

Description	Code
Belt sander BSL 220/E	4607155



Sanding Belts

On tough woven backing for BSL 220/E. Dimensions 10x330 mm.

For metal, non-ferrous metals, wood and plastic.

Description	Code
80 grit belt - 5 pieces	4607156
120 grit belt - 5 pieces	4607157
180 grit belt - 5 pieces	4607158



Stand for Drill, MB 140/S

· Milled table 120x220 mm, fitted with a fence and scale.

· Chromed steel column, 280x20 mm

· Headstock of die-cast aluminium, with throat capacity of 140 mm and 30 mm travel.

· Chromed feed lever operating via drive disc and ball bearing system.

· T-bars allow simple height adjustment as well as the fixing of the drill/mill in the 20 mm bore fitting.

· Drill/mill collar with scale tilts through 90° in both directions.

Description	Code
Micromot drill stand MB140/S	4607165



Vice, for TBM 220 and MB 140/S

Die-cast zinc with three machined sides.

The slot fits the adjustable fence of the drill stand MB 140/S and bench drill TBM 220.

Horizontal and vertical V-slots in jaw.

Jaw width 50 mm and height 10 mm.

Maximum clamping width 34 mm.

Description	Code
Machine vice MS4	4607180

Proxxon micromotors

Drill Press, TBM 220

Bench drill for precise work, even 0.5 mm holes can be drilled. With three step pulleys.

Machined work top of high quality, ribbed die-cast aluminium (220x120 mm).

Adjusted fence with scale.

Solid, hard-chromed steel column, 280 mm high, 20 mm diameter.

Super stable die-cast head with built-in, VDE approved 220 - 240 Volt, 85 W motor.

Very quiet and of long life expectancy type.

Three step aluminium pulley with flat belt. 3 spindle speeds of 1,800, 4,700, and 8,500 rpm (triple torque at low speeds).

Chrome feed lever with adjustable depth scale.

The spindle is essentially free of play as a result of 3 high quality ball bearings.

Recessed spindle for insertion of MICROMOT steel collets, but also threaded for drill chucks (3/8" thread).

Extremely high rotational accuracy, 30 mm feed.

Practical, adjustable depth gauge.

Throat depth (column to drill spindle) 140 mm.

Six triple slit precision collets for shaft sizes 1.0 - 1.5 - 2.0 - 2.4 - 3.0 - 3.2 mm included.

Description	Code
Bench drill machine TBM 220	4607170



Chuck

For drill shank sizes 0.5 - 6.0 mm.

Maximum speed 10,000 rpm.

Industrial quality with extra high speed accuracy.

With 3/8" thread for MICROMOT bench drill TBM 220, including chuck key.

Description	Code
Chuck for drill	4607185



Drill press, TBH

The table features a ribbed base, milled work area with T-slots. The column is bright nickel-plated. Powerful, long life permanent magnet motor. The quill is driven via a belt and three step pulleys. This yields a torque multiplication of as much as 6x at the lowest speed. Geared quill feed for exact operations runs in ball bearings. Spindle with 1/2" thread accepts the standard chuck, as well as the optional collets.

- Voltage: 220-240 V

- Spindle speeds: 1,080, 2,400 and 4,800 rpm.

- Quill travel 63 mm.

- Maximum drill bit size 10 mm, which is also the capability in steel.

- Throat 140 mm.

- Useable table size 200x200 mm.

- Column 45x500 mm.

Description	Code
Bench drill press TBH	4607300



Scroll Saw, DSH/E

Very high cutting capacity: for tool and die making, model building, toy repairs, puzzle sawing, architectural work, antique restoration, etc.

220 - 240 V motor, 50/60 Hz, 200 W power consumption.

Cutting capacity in wood 50 mm, plastic 30 mm and in NF metal 10 mm.

The electronic speed control yields constant speeds under load from 200 to 1,400 rpm.

Stroke 19 mm.

400 mm throat with 50 mm maximum depth of cut or 25 mm at 45° table tilt.

Table size 360x270 mm.

Length 53 cm, height 30 cm, width 27 cm.

Weight 20 kg.

Complete with 5 each coarse and fine blades and T allen key.

Description	Code
Scroll saw DSH/E	4607190



Blades, for scroll saw DSH/E

Standard scroll saw blades

Blades with pin ends, length 127 mm.

- Coarse pin end blades (10 TPI): ideal for cutting soft and hard wood, plastics as well as the soft and above all also thicker material.
- Fine pin end blades (18 TPI): ideal for cutting soft and hard wood as well as other thinner materials and plastics.
- Very fine pin end blades (25 TPI): ideal for cutting non-ferrous metals, plastics, fibreglass, acrylics and wood.

6 pcs packages.

	Dimensions mm	Code
Very fine blades	127x1.76x0.25	4607193
Fine blades	127x1.86x0.24	4607192
Coarse blades	127x2.61x0.51	4607191

Super-Cut scroll saw blades

Without pins; length 130 mm. Ideal for cutting soft and hard woods, fibreglass, and soft non-ferrous metals. Available with coarse blade (14 TPI), normal (17 TPI) and fine (25 TPI).

6 pcs packages.

	Dimensions mm	Code
Fine blades	130x0.77x0.30	4607196
Normal blades	130x1.20x0.38	4607195
Coarse blades	130x1.50x0.48	4607194

Blades for hard metals

Blades for iron or PERTINAX. They can be fine toothed (28 TPI) or extremely fine toothed (41 TPI). Length 130 mm.

6 pcs packages.

	Dimensions mm	Code
Very fine blades	130x0.74x0.36	4607198
Fine blades	130x1.10x0.50	4607197

Spiral blade

Blade 125 mm long with plain ends (without pins). This blade cuts all directions and obviate the turning of the workpiece (advantageous, especially with bigger workpieces). A 1.5 mm hole is required. Ideal for plastic, hard and soft woods.

6 pcs packages.

	Dimensions mm	Code
Spiral blade	125x1.2	4607199

Proxxon micromotors

Circular saw, KS 230

For perfect straight cuts in wood, metals and plastic.

The 58 mm diameter Super-Cut blade cuts soft woods up to 8 mm, plastics up to approx 3 mm, metals up to approx 1.5 mm. The motor is quiet, operates off 220 - 240 V and has a prolonged life expectancy. The side door allows easy sawdust removal. Dimensions: 240x180x80 mm.

Weight: 1.8 kg.

Description	Code
Circular saw KS 230/E	4607200



Blades, for circular saw KS 230/E

All with 10 mm hole.

ø mm		Thickness mm	Code
58	Crosscut blade Super-Cut - 80 teeth	0.6	4607201
50	Diamond blade	0.5	4607202
50	Solid carbide saw blade	0.5	4607203
50	Spring steel saw blade	0.5	4607204
50	Blade with 10 carbide teeth	1.0	4607211
50	Blade with 20 carbide teeth	1.0	4607212



Circular saw, FKS/E

Machine for straight, mitre and compound cuts. Usable on all wood types, non-ferrous metals, plastics as well as rubber, cork, etc.

Substantial construction with load bearing parts of die-cast aluminium. Machined aluminium top measures 295x240 mm. A mitre slot and fence are provided. An extension wing is housed integrally and pulled out to increase effective table width to 50 cm. Drive is effected via a special, quiet motor and Optibelt. The blade arbor has ball bearings and is fitted with a TCT blade 80x1.6x10 mm (item 4607208) as standard. Depth of cut is adjustable from 1 to 22 mm and the blade may be tilted through 45°.

- 220 - 240 Volt motor, 50/60 Hz.
- Electronic speed control for speeds of 4,400 - 6,800 rpm.
- Overall size: 300x262x170 mm (without extension wing)
- Table size: 295x240 mm.
- Weight: 5.2 kg.

All blades with 50-85 mm diameter with 10 mm bore can be used.

Description	Code
Circular saw blade FKS/E	4607205

Blades, for circular saw FKS/E

With 10 mm hole.

ø mm		Thickness mm	Code
85	Super-Cut blade - 80 teeth	0.5	4607206
85	Tungsten carbide blade - 36 teeth	1.5	4607207
85	Tungsten carbide blade - 24 teeth	1.5	4607208
85	Diamond coated	0.5	4607209





Band saw, MBS 240/E

Make precision cuts in non-ferrous metals, plastic, ceramics and more. With its very small turn radius, this ½ hp saw is ideal for fine work.

- Maximum work height is 80 mm.
- Speed: from 180 to 330 meter per minute (with feedback effect); includes one band saw blade.
- Table size is 200x200 mm, adjustable to 45°.
- Throat depth is 20 mm.
- Voltage: 220V
- Weight: 7 kg.

Cooling system option (with hoses and blade guide) attaches to your band saw frame to protect against heat damage while you cut with diamond blades.

Description	Code
Band saw MBS 240/E	4607210
Blade guide	4607215
Coolant container (1 lt)	4607220
Collector tray	4607225



Blades, for band saw MBS 240/E

Sold individually.

Description	Code
Blades wit 24 teeth	4607216
Blade with 14 teeth	4607217
Blade with 14 tempered teeth	4607218
Diamond coated blade	4607219

Fine toothed steel burs

Burs MAILLEFER, fine cut

Maillefer fine cut steel burs are made of first quality hardened tool steel, and are indicated for finishing work on precious metals.

HP steel burs are made in diameters from ISO 005 though ISO 100. Length = 44,5 mm standard (some shapes in 36 mm + head).

Burs fig. A

Round. 2.35 mm shank.

6 pcs packages.

ø mm	Code
1.00	462018#010
1.50	462018#015
2.00	462018#020
2.50	462018#025
3.00	462018#030
3.50	462018#035
4.00	462018#040
4.50	462018#045
5.00	462018#050
6.00	462018#060

Sold individually.

ø mm	Code
7.00	462018#070
8.00	462018#080
9.00	462018#090
10.00	462018#100



Burs fig. H

Double cone, 120°. 2.35 mm shank.

6 pcs packages.

ø mm	Code
0.90	462001#009
1.00	462001#010
1.10	462001#011
1.20	462001#012
1.30	462001#013
1.40	462001#014
1.50	462001#015
1.60	462001#016
1.70	462001#017
1.80	462001#018
1.90	462001#019
2.00	462001#020
2.10	462001#021
2.20	462001#022
2.30	462001#023
2.40	462001#024
2.50	462001#025
2.60	462001#026
2.70	462001#027
2.80	462001#028
2.90	462001#029
3.00	462001#030
3.50	462001#035
4.00	462001#040
5.00	462001#050



Fine toothed steel burs



Burs fig. HD

Double cone, 90°. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.90	462003#009
1.00	462003#010
1.10	462003#011
1.20	462003#012
1.30	462003#013
1.40	462003#014
1.50	462003#015
1.60	462003#016
1.70	462003#017
1.80	462003#018
1.90	462003#019
2.00	462003#020
2.10	462003#021
2.20	462003#022
2.30	462003#023
2.40	462003#024
2.50	462003#025
2.60	462003#026
2.70	462003#027
2.80	462003#028
2.90	462003#029
3.00	462003#030
3.10	462003#031
3.30	462003#033
3.50	462003#035
3.70	462003#037
4.00	462003#040
4.20	462003#042
4.50	462003#045
4.70	462003#047
5.00	462003#050

Fine toothed steel burs

Burs fig. HH

Lens shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.90	462004#009
1.00	462004#010
1.10	462004#011
1.20	462004#012
1.30	462004#013
1.40	462004#014
1.50	462004#015
1.60	462004#016
1.70	462004#017
1.80	462004#018
1.90	462004#019
2.00	462004#020
2.10	462004#021
2.20	462004#022
2.30	462004#023
2.40	462004#024
2.50	462004#025
2.70	462004#027
2.90	462004#029
3.00	462004#030
3.10	462004#031
3.30	462004#033
3.50	462004#035
3.70	462004#037
4.00	462004#040
4.20	462004#042
4.50	462004#045
4.70	462004#047
5.00	462004#050

Sold individually.

ø mm	Code
6.00	462004#060
7.00	462004#070
8.00	462004#080
9.00	462004#090
10.00	462004#100

Burs fig. K

Wheel shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462005#010
1.50	462005#015
2.00	462005#020
2.50	462005#025
3.00	462005#030
3.50	462005#035
4.00	462005#040
5.00	462005#050



Fine toothed steel burs

Sold individually.

ø mm	Code
6.00	462005#060
7.00	462005#070
8.00	462005#080
9.00	462005#090
10.00	462005#100



Burs fig. KK

Wheel shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462006#010
1.50	462006#015
2.00	462006#020
2.50	462006#025
3.00	462006#030
4.00	462006#040
5.00	462006#050

Sold individually.

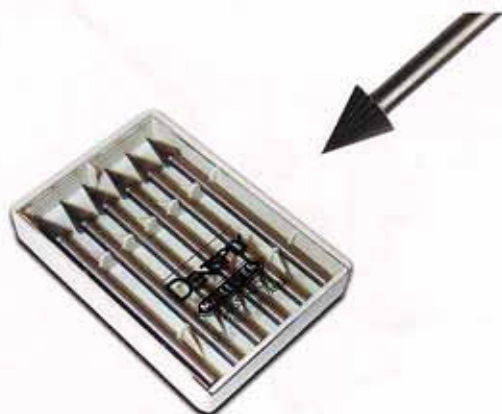
ø mm	Code
6.00	462006#060
7.00	462006#070
8.00	462006#080
9.00	462006#090
10.00	462006#100



Burs fig. N

Cone shape, 30°. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462007#010
1.50	462007#015
2.00	462007#020
2.50	462007#025
3.00	462007#030
3.50	462007#035
4.00	462007#040
5.00	462007#050



Burs fig. NN

Cone shape, 45°. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462008#010
1.50	462008#015
2.00	462008#020
2.50	462008#025
3.00	462008#030
3.50	462008#035
4.00	462008#040
4.50	462008#045
5.00	462008#050

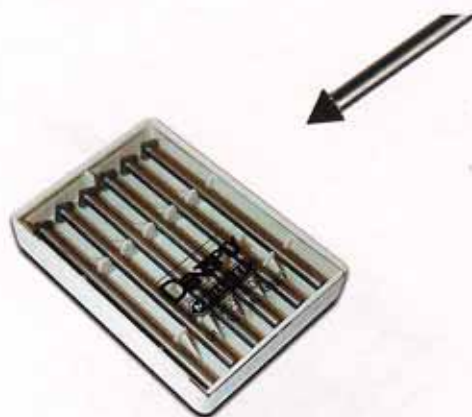
Fine toothed steel burs

Burs fig. O

Cone shape, 60°. 2.35 mm shank.

6 pcs packages.

ø mm	Code
1.00	462010#010
1.50	462010#015
2.00	462010#020
3.00	462010#030
4.00	462010#040



Burs fig. P

Cone shape, 90°. 2.35 mm shank.

6 pcs packages.

ø mm	Code
1.00	462011#010
1.20	462011#012
1.50	462011#015
1.70	462011#017
2.00	462011#020
2.50	462011#025
3.00	462011#030
3.50	462011#035
4.00	462011#040
4.50	462011#045
5.00	462011#050





Burs fig. Q

Stone setting bur. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.90	462012#009
1.00	462012#010
1.20	462012#012
1.30	462012#013
1.40	462012#014
1.50	462012#015
1.60	462012#016
1.70	462012#017
1.80	462012#018
1.90	462012#019
2.00	462012#020
2.10	462012#021
2.20	462012#022
2.30	462012#023
2.40	462012#024
2.50	462012#025
2.70	462012#027
2.90	462012#029
3.00	462012#030
3.10	462012#031
3.30	462012#033
3.50	462012#035
3.70	462012#037
4.00	462012#040
4.20	462012#042
4.50	462012#045
4.70	462012#047
5.00	462012#050

Sold individually.

ø mm	Code
6.00	462012#060
7.00	462012#070
8.00	462012#080



Burs fig. R

Cylinder bur. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462013#010
1.50	462013#015
2.00	462013#020
2.50	462013#025
3.00	462013#030
3.50	462013#035
4.00	462013#040
5.00	462013#050

Sold individually.

ø mm	Code
6.00	462013#060
7.00	462013#070
8.00	462013#080
9.00	462013#090
10.00	462013#100

Fine toothed steel burs

Burs fig. RR

Cylinder bur. 2.35 mm shank.

6 pcs packages.

ø mm	Code
1.00	462014#010
1.50	462014#015
2.00	462014#020
2.50	462014#025
3.00	462014#030
3.50	462014#035
4.00	462014#040
5.00	462014#050

Sold individually.

ø mm	Code
6.00	462014#060



Burs fig. S

Cup bur. 2.35 mm shank.

6 pcs packages.

ø mm	Code
0.80	462015#008
0.90	462015#009
1.00	462015#010
1.10	462015#011
1.20	462015#012
1.30	462015#013
1.40	462015#014
1.50	462015#015
1.60	462015#016
1.70	462015#017
1.80	462015#018
1.90	462015#019
2.00	462015#020
2.10	462015#021
2.20	462015#022
2.30	462015#023
2.50	462015#025
2.70	462015#027
2.90	462015#029
3.00	462015#030
3.50	462015#035
4.00	462015#040
4.50	462015#045
5.00	462015#050

Sold individually.

ø mm	Code
5.50	462015#055
6.00	462015#060
6.50	462015#065
7.00	462015#070
7.50	462015#075
8.00	462015#080
8.50	462015#085
9.00	462015#090
9.50	462015#095
10.00	462015#100





Burs fig. Y

Wheel shape. 2.35 mm shank.

6 pcs packages.

ø mm	Code
1.00	462016#010
1.50	462016#015
2.00	462016#020
2.50	462016#025
3.00	462016#030
4.00	462016#040
5.00	462016#050

Sold individually.

ø mm	Code
6.00	462016#060
7.00	462016#070
8.00	462016#080
9.00	462016#090
10.00	462016#100



Burs set, # 8235

Set of 24 burs. Includes tools of the following shapes: round (diam. 1.0-1.5-2.0), lens shape (diam. 1.0-2.0), wheel K (diam. 0.20), inverted cone fog. 24 (diam. 0.10-0.21), cone 45° (diam. 2.0), cone 30° (diam. 2.0), cone 90° (diam. 1.0-1.5-2.0), stone setting (diam. 1.0-1.5-2.0), cylinder RR (diam. 2.0), cup (diam. 1.0-1.2-1.5-2.0), wheel Y (diam. 2.0) and bud (diam. 1.0-2.1).

Description	Code
Set of burs # 8235	4620530



Burs set, # 4235

Set of 24 burs. Includes 3 tools each of the following shapes: round (diam. 1.5-3.0-4.5-6.0), lens shape (diam. 3.0-6.0), cone 30° (diam. 3.0-4.0-5.0), cone 60° (diam. 2.0-3.0-4.0), cone 90° (diam. 3.0-5.0), stone setting (diam. 3.0-4.5-6.0), cylinder RR (diam. 3.0-5.0-6.0) and cup shape (diam. 2.0-3.0-4.5-6.0).

Description	Code
Set of burs # 4235	4620520



Burs set, # 3235

Set of 24 burs. Includes 3 tools each of the following shapes: round (diam. 3.0-4.5-6.0), lens shape (diam. 3.0-4.0-5.0), cone 30° (diam. 3.0-4.0-5.0), cone 45° (diam. 3.0-4.5-5.0), cone 90° (diam. 5.0), stone setting (diam. 3.0-4.5-6.0), cylinder RR (diam. 3.0-4.0-6.0) and cup shape (diam. 3.0-4.0-4.5-5.0-6.0).

Description	Code
Set of burs # 3235	4620510



Burs set, # 1235

Set of 24 burs. Includes 3 tools each of the following shapes: round (diam. 3.0-4.0-6.0), lens shape (diam. 3.0-4.0-6.0), cone 30° (diam. 3.0-4.0-5.0), cone 45° (diam. 3.0-4.0-5.0), cone 90° (diam. 3.0-4.0-5.0), stone setting (diam. 3.0-4.0-6.0), cylinder RR (diam. 3.0-4.0-6.0) and cup shape (diam. 3.0-4.0-6.0).

Description	Code
Set of burs # 1235	4620500

Coarse toothed burs



Burs fig. 38

Stainless steel burs - cone shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.60	4622392
0.70	4622394
0.80	4622396
0.90	4622398
1.00	4622400
1.10	4622401
1.20	4622402
1.30	4622403
1.40	4622404
1.60	4622406
1.80	4622408
2.10	4622410
2.30	4622412
2.50	4622414



Burs fig. 25

Stainless steel burs - wheel shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.60	4622506
0.70	4622507
0.80	4622508
0.90	4622509
1.00	4622510
1.10	4622511
1.20	4622512
1.30	4622513
1.40	4622514
1.50	4622515
1.60	4622516
1.80	4622518
2.10	4622521
2.30	4622523
2.50	4622525
2.70	4622527
2.90	4622529



Burs fig. 26

Stainless steel burs - cylinder shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.70	4624200
0.80	4624201
0.90	4624202
1.00	4624204
1.20	4624206
1.40	4624208
1.60	4624210
1.80	4624212
2.10	4624214
2.30	4624216
2.50	4624218
2.70	4624220

Coarse toothed burs

Burs fig. 24

Stainless steel inverted cone burs. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.60	4626012
0.70	4626014
0.80	4626016
0.90	4626018
1.00	4626020
1.20	4626022
1.40	4626024
1.60	4626026
1.80	4626028
2.10	4626030
2.30	4626032
2.50	4626034
2.70	4626036
2.90	4626038



Burs fig. 45

Stainless steel burs - wheel shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
2.3	4624500
2.90	4624502
3.50	4624504
4.00	4624506



Burs fig. FK, KRAUSE

Stainless steel burs - jagged flame shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
1.00	462019#010
1.20	462019#012



Burs fig. 30

Cone shape. 2.35 mm shank.
6 pcs packages.

ø mm	Code
0.90	4622198
1.00	4622200
1.20	4622202
1.40	4622204
1.60	4622206
1.80	4622208
2.10	4622210
2.30	4622212
2.50	4622214



Coarse toothed burs

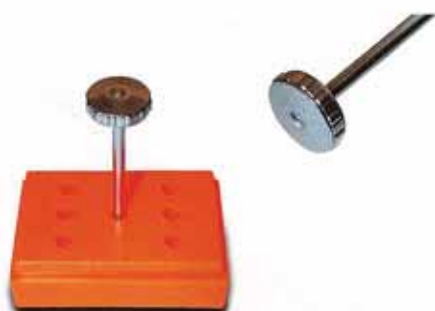


Burs fig. 34

Cylinder shape. 2.35 mm shank.

6 pcs packages.

ø mm	Code
0.70	4624008
0.80	4624010
0.90	4624012
1.00	4624014
1.20	4624016
1.40	4624018
1.60	4624020
1.80	4624022
2.10	4624024
2.30	4624026
2.50	4624028
2.70	4624030



Riveters, steel

With rotating rolls. 2.35 mm shank.

Sold individually.

ø mm	Code
8.00	4625200
10.00	4625202
12.00	4625204



Carbide riveters

2.35 mm shank.

Sold individually.

	Dimensions mm	Code
12 cutting	5x13	4625110
14 cutting	5x13	4625114
18 cutting	10x7	4625122
36 cutting	10x7	4625126

Tungsten carbide burs

Burs MAILLEFER, tungsten carbide

Maillefer coarse cut steel burs are made with a tungsten carbide tip and stainless steel shank, and are indicated for working hard metals, steel, glass, ceramics and similar materials.

HP tungsten carbide burs are made in diameters from ISO 006 through ISO 027. Cutting speed: < 45,000 RPM.

Burs fig. 123

Round, 2.35 mm shank.

6 pcs packages. Price by the single piece.

ø mm	Code
0.40	4632148
0.50	4632150
0.60	4632152
0.70	4632154
0.80	4632156
0.90	4632157
0.90	4632160
1.10	4632161
1.20	4632162
1.30	4632163
1.40	4632164
1.50	4632165
1.60	4632166
1.70	4632167
1.80	4632168
1.90	4632169
2.10	4632170
2.30	4632172
2.50	4632174
2.70	4632176



Burs fig. 129

Cylinder bur, 2.35 mm shaft.

6 pcs packages.

ø mm	Code
0.80	462020#008
0.90	462020#009
1.00	462020#010
1.20	462020#012
1.40	462020#014
1.60	462020#016



Burs fig. 130

Conical bur, 2.35 mm shaft.

6 pcs packages.

ø mm	Code
0.80	462021#008
0.90	462021#009
1.00	462021#010
1.20	462021#012
1.40	462021#014
1.60	462021#016
1.80	462021#018



Tungsten carbide burs



Burs Meisinger, carbide

The plain cut, medium tooting give effective trimming of hard materials and obtain specially smooth surfaces.

Rounded. 2.35 mm shaft.

Sold individually.

ø mm	Code
3.10	4632036
4.00	4632038
5.00	4632040



Burs, spherical

Carbide burs with cut #2: it is a rough cut, indicated for soft metals like bronze, copper, tin, zinc, brass and other materials easy to remove.

Shank: 3 mm.

Sold individually.

ø mm	Code
2.50	4633700
3.00	4633702
3.50	4633704
4.00	4633706
4.50	4633708
5.00	4633710
6.00	4633712

Carbide cutters

Widia burs for pearls, precious alloys, gold, silver, semi-precious alloys, non-precious alloys, platinum. With standard cut or cross cut.

2.35 mm shaft.

Sold individually.

Standard cut cutters

ø mm		Height mm	Code
4.00	Fig. 5770	14.10	4632320
6.00	Fig. 5570	15.00	4632321
6.00	Fig. 5970	13.90	4632322
6.00	Fig. 6570	12.50	4632323



4632320 4632321 4632322 4632323

Cross cut cutters

ø mm		Height mm	Code
2.30	Fig. 0110	14.00	4632310
2.30	Fig. 0410	16.00	4632311
1.60	Fig. 1210.016	8.00	4632313
6.00	Fig. 5410.060	13.90	4632315
4.00	Fig. 5710.040	14.10	4632316



4632310 4632311 4632313 4632315 4632316

Pneumatic engravers

Engraver, pneumatic

This engraver creates an optical effect of small diamonds. It features speed variator.

Description	Code
Pneumatic microengraver	4611200
Spare o-ring	4611210
Spare spring	4611212
Spare diamond tip diam. 0.10 mm (medium)	4611222
Spare diamond tip diam. 0.05 mm (small)	4611224
Diamond tip brazed-welded - diam. 0.25 mm	4611240



Handpiece, pneumatic

Handy and lightweight handpiece, to work with shank polishers, carbide burs, brushes or other special tools.

- 60.000 rpm
- Collet: 3 mm
- Length: 170 mm
- Body diameter: 18 mm
- Weight: 150 g
- Power: 75W

Description	Code
Pneumatic handpiece	4611400
Collet diam. 2.35 mm	4611401
Collet diam. 3 mm	4611402



Accessories

Description	Code
Lubricant filter w/manometer	4611012



Tools for handpiece

Diamond tools pitched to 160°; flat 180°.

Shank 3 mm.

Sold individually.

Diamond angulation	Code
90°	255034#90
100°	255034#100
110°	255034#110
120°	255034#120
130°	255034#130
140°	255034#140
150°	255034#150
160°	255034#160
180°	255034#180





Diamond milling machine, 2 heads

Machine suitable to carry out diamond cut and decorations on rings and bangles with flat/convex section and any other flat objects. Its versatility grants an easy operation of modular tooled up for switching from the standard manual configuration to any other semiautomatic version. The machine is equipped with an adjustable revolving divider, a horizontal spindle with a cutter of 150 mm and the vertical spindle bears a cutter for big ornaments. An optical aimer allows a rapid centering of the tool on the object to be cut.

- Longitudinal stroke of carriage: mm 200
- Transversal stroke of carriage: mm 100
- Speed horizontal spindle: 4.500 rpm.
- Speed vertical spindle: 5.900 rpm.
- Installed power: 0,30 kw
- Voltage: 380V three phase
- Dimensions: 120x80x170h cm
- Weight: 120 kg

Description	Code
2 heads diamond milling machine	1540200
Tasso acciaio per esterno fedi	2520101
Kit of 22 brass collets for outer rings	2520110
Tasso acciaio per esterno cerchi	2520100
Kit of 6 brass collets for outer bangles	2520115



Divisor, for rings and bangles

Adjustable divisor for rings and bangles with collets and collet holder.

Description	Code
Adjustable divisor for rings and bangles	2520035



Burs, for diamond milling machine

Description	Code
2-tools cutter	2520055
Fresa a scatti a 3 utensili	2520060
Vertical lapping cutter	2520065
Vertical cutter for large ornaments	2520070

Diamond milling machines & diamond tools

Tools for diamond milling machines

Diamond tools are divided in 2 groups:

- tools for external lapping (flat and angled)
- tools for internal lapping (flat).

Flat diamond tools

Fig. 1.

Width mm	Code
1.50	2550101
2.00	2550104
2.50	2550102
3.00	2550103
4.00	2550105



Angled diamond tools

Fig. 20, 20 mm thick.

Upon request available also with 2, 3, 5 mm thickness.

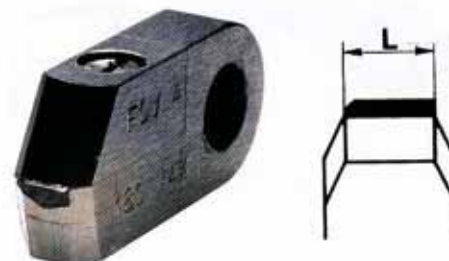
Degrees	Code
100°	255029#100
110°	255029#110
120°	255029#120
130°	255029#130
140°	255029#140
150°	255029#150
160°	255029#160
165°	255029#165



Angled diamond tools

Fig. 4.

Width mm	Code
3.00	2550152
4.00	2550155
5.00	2550157



Angled carbide tools

Fig. 2, 6 mm thick.

Upon request, available also in 2, 3, 4 mm thickness.

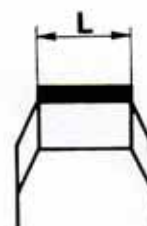
Degrees	Code
100°	255040#100
110°	255040#110
120°	255040#120
130°	255040#130
140°	255040#140
150°	255040#150
160°	255040#160



Flat carbide tools

Fig. 1, 6 mm thick.

Degrees	Code
180°	255040#180





Satin finish carbide tools

Fig. 25, 6 mm thick.

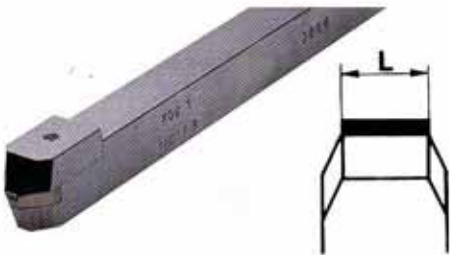
Pitch mm	Code
0.10	255041#0,10
0.15	255041#0,15
0.20	255041#0,20
0.30	255041#0,30
0.40	255041#0,40
0.50	255041#0,50



Off-centre tools

Tools with 2.5 mm stone, from 0.2 to 2.00 with 0.2 mm pitch.
Pitch on request.

Description	Code
Diamond tool	2550350
Compax tool	2550352



Tools for lathe

Industrial diamond tools.

Flat

Fig. 1, 180°.

Width mm	Code
1	2550390
2	2550400
3	2550402
4	2550404



Angled

External tools

Width mm	Code
4	2550405



Internal tools

Width mm	Code
3	2550410
4	2550412

Diamond drills and discs

Drill bits

For stone, glass and plated materials, these diamond twist drills clean out better than regular diamond drills. Recommended speed: 5000-30.000 rpm. Shank 2.35 mm.

ø mm	Code
0.70	4635020
0.80	4635030
0.90	4635040
1.00	4635050
1.10	4635060
1.20	4635070
1.30	4635080
1.40	4635090
1.50	4635100
1.60	4635110
1.80	4635130
2.00	4635150



Drill bits, shoveled core

To drill and draw the material from the ceramics, porcelain or glass, avoiding chips or cracks. The shank diameter is 3 mm, the grit is medium-fine. The tops are in tempered steel and diamond dressed through electrolytic procedure.

ø mm	Code
1.50	4635300
2.00	4635304
2.50	4635306
3.00	4635310
5.00	4635350



Cutting discs

Cutting Superflex diamond discs on shank, for fine and superfine separating.

Thickness mm	ø mm	Grit	Code
0.12	19	superfine	4640220
0.15	19	fine	4640223
0.15	22	fine	4640224



Cutting discs

Diamond discs mounted on 2.35 shank.

* = diamond coated only on one side.

ø mm	Thickness mm	Code
18	0.50	4641155
20	0.50	4641648
22	0.18	4641150
22	0.50	4641650
22	0.13*	4641649



Diamond drills and discs



Drill bits mandrel

Drill bits holder for stones drilling; to be attached to vertical drill with water system.

Description	Code
Chuck	4635500



Drill bits for mandrel

ø mm	Code
0.80	4635508
0.90	4635509
1.00	4635510
1.20	4635512
1.30	4635514
1.40	4635516
1.50	4635518



Clamp for mandrel

Clamp for water mandrel. To hold jaws securely.

Description	Code
Clamp	4635501



Jaws for clamp

Plastic jaws to hold securely the stones during drilling operations.

Description	Code
Concave jaw	4635502
Flat jaw	4635503

Diamond burs

Diamond burs HP

Burs with standard length of 44.5 mm and shank diameter of 2.35 mm. Available in D46 grit (fine) and D126 (medium). Sold individually.

Burs fig. 801

Round.

D76 grit.

ø mm	Code
0.80	4641008
0.90	4641000
1.00	4641002

D126 grit.

ø mm	Code
1.20	4641010
1.40	4641012
1.60	4641014
1.80	4641016
2.30	4641017
2.70	4641018
3.50	4641020

Burs fig. 835

Short cylinders. D126 grit.

ø mm	Code
1.00	4641040
1.40	4641042
2.10	4641043

Burs fig. 836

Medium cylinders. D126 grit.

ø mm	Code
1.20	4641044
1.40	4641045
1.60	4641046

Burs fig. 837

Long cylinders. D126 grit.

ø mm	Code
1.60	4641060
2.50	4641064

Burs fig. 838

Cylinder burs with rounded point. D126 grit.

ø mm	Code
2.50	4641070
4.00	4641075

Burs fig. 848

Long cone. D126 grit.

ø mm	Code
2.20	4641080



Diamond burs

Diamond burs FC

Burs with standard length of 46 mm and shank diameter of 2.35 mm. Grit 126. Sold individually.

Burs fig. 103

Round.

ø mm	Code
2.00	4641503
3.00	4641504
4.00	4641505
6.00	4641506
8.00	4641508
10.00	4641510



Burs fig. 153

Inverted cone.

ø mm	Code
3.00	4641518
5.00	4641520



Burs fig. 303

Cylinder. Shank 3 mm.

ø mm	Code
5.80	4641558



Burs fig. 353

Cylinders with rounded point.

ø mm	Code
2.00	4641164
3.00	4641165



Burs fig. 553

Rounded cone.

ø mm	Code
3.00	4641602



Burs fig. 302/58

Length: 44.5 mm.

ø mm	Code
5.80	4641550



Burs fig. 563

Conical.

ø mm	Code
3.00	4641601



Burs fig. 573

Short cones.

ø mm	Code
4.00	4641620
6.00	4641623



Burs fig. 652

Flame shape.

ø mm	Code
4.50	4641578
5.80	4641580



Diamond burs



Diamond burs FR

Burs with same length and shank diameter of FC type burs but with grit 427. Sold individually.

Burs fig. 302

Cylinder.

ø mm	Code
6.00	4641560



Burs fig. 653

Oval. With shank diam. 2.35 mm (4641595) or 3 mm (4641594).

ø mm	Code
9.00	4641594
9.00	4641595



Burs holder, mod. 505

Wooden box, to hold 36 burs. Dimensions 120x70 mm.

Description	Code
Box mod. 505	4648011



Burs holder, mod. 800

Plastic box with lid for 36 burs.

Description	Code
Box mod. 800	4648050



Diamond burs set

Assortment of 20 mounted diamond burs, on plastic stand, of most usable shapes.

Description	Code
Set of 20 burs	4641181

Silicum carbide cutters

Carbide burs

Pink coloured, for satin finish. Shank 3 mm, grit 80.
Minimum quantity required: 6 pcs and multiples.
Price by the single piece.

Cylinder burs

Size mm	Code
2x6	4645010
3x8	4645012
4x10	4645014
5x10	4645016
6x10	4645018
6x12	4645020
8x12	4645022
10x10	4645024
10x12	4645026
10x20	4645028
12x15	4645030
13x10	4645032
15x15	4645036
15x20	4645038

Round burs

ø mm	Code
3.00	4645299
4.00	4645300
5.00	4645301
6.00	4645302
8.00	4645304
10.00	4645306

Cone burs

Size mm	Code
3x8x3	4645395
4x8x3	4645396
4x10x3	4645400
5x10x3	4645402
6x10x3	4645404
8x10x3	4645406
10x12x3	4645407
10x15x3	4645408
10x20x3	4645410
12x20x3	4645412
12x25x3	4645414
15x25x3	4645416



Silicum carbide cutters



Polishers for gold

Points on 2.35 mm shank for gold polishing.
Minimum quantity required: 6 pcs and multiples.
Price by the single piece.

Made of	Colour	Size mm	Code
ossido di alluminio	blu	3x7.5	4645800
carburo di silicio	verde	3x8	4645802
corindone	marrone	4x10	4645804
corindone	marrone	5x13	4645806



RESISTA cylinders

Made of silica carbide for satin finish.
Length: 100 mm.
Minimum quantity required: 6 pcs and multiples.
Price by the single piece.

ø mm	Code
2.00	4645190
3.00	4645200

Flattened head cutters

Cutters, flattened head

DUROX cutters

Durox cutters, made of dropforged stainless steel, have hard metal inserted cutting edges. Adjustable precision screw-joint, screw hardened and hard gilded, black plastic grips.

- Cutting capacity of cutting edges up to 10 times longer.
- Cutting effort reduced.
- Anti-slip plastic handles.

Model	Cut	Length mm	Code
HM-201	Extra full flush	120	4230770
HM-301	Extra full flush	130	4230772



LINDSTROM cutters

This range of cutters offers unsurpassed cutting capacity covering a wide range of wire dimensions and types. All cutters are equipped with a precision screw joint which minimizes friction and maximizes alignment of cutting edges.

Model	Cut	Head	Length mm	Code
8142	Extra full flush	Oval	110	4229010
8145	Extra full flush	Tapered	110	4229015
8152	Extra full flush	Oval	112.5	4229030
8162	Extra full flush	Oval	125	4229040
8165	Extra full flush	Tapered	125	4229045
8160	Full flush	Oval	125	4229033
8161	Full flush	Oval	125	4229035



CK cutters

CK cutters are being used in many fields in the electronic, but also for other fine jobs in fine mechanics, model making.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.
- Long life cutting edges are induction hardened to maintain cutting ease.

Model	Cut	Head	Length mm	Code
3780-EF	Extra full flush	Tapered	110	4226100
3775-EF	Extra full flush	Tapered	135	4226125
3773-EF	Extra full flush	Oval	115	4226108



BAHCO cutters

BAHCO cutters satisfy whichever requirement regarding professional tools. The choice of the raw materials, the modern methods of heat treatment and the precision, guarantee the elevated quality of these tools.

Vanadium cutters

Model	Cut	Length mm	Code
2648-A	Full flush	130	4226610

Steel cutters

Model	Cut	Length mm	Code
2101-PG	Full flush	140	4229150





PS cutters

These cutters accommodate electronic and micromechanic use.

- polished head
- chrome vanadium steel body
- PVC coated handles.

Items E/65 and E/66 feature relieved head, while item 250Au is specially designed for gold wire cutting.

Model	Cut	Head	Length mm	Code
E/65N	Extra full flush	Tapered	110	4225700
E/64N	Extra full flush	Tapered	120	4225705
E/66N	Extra full flush	Tapered	120	4225710
250 AU	Extra full flush	Tapered	120	4225550
E251	Extra full flush	Tapered	130	4225560
E/71	Extra full flush	Oval	130	4225707



Professional cutters

- Body in chrome-silicium forged steel, for long lasting cutting edges.
- Anti-reflex black finishing.
- Precision screw system for a perfect alignment of the tips.
- Perfect cut thanks to the shape of the tips, obtained through inductive temper treatment.
- Ergonomic handles in double material, outer side soft and inner side rigid, for a safe handling.
- Springs in stainless steel.

Model	Cut	Head	Length mm	Code
1141	Extra full flush	Tapered	110	4227640
1151	Extra full flush	Oval	110	4227650
1161	Extra full flush	Oval	130	4227655
1160	Full flush	Oval	130	4227660



RS cutters

These cutters, with oval head and extra-flush cut, are made from highest quality German steel and are manufactured with the finest precision equipment before being hand-finished.

On item 400, the tips are bented 15° for a diagonal cutting.

Model	Cut	Length mm	Code
400	Extra full flush	170	4230476
440	Extra full flush	200	4230475



Mod. E124N

Diagonal cutting, extra-full flush cutters, with oval head bended 30° and antistatic handles. Overall length 180 mm.

Description	Code
Cutter mod. E 124N	4225750

Flattened head cutters

PG cutters

Made from carbon steel, they are thermic treated and the anti-glare surface allows an accurate vision of the work. They feature a return spring that requires less strength to be applied.

Model	Cut	Head	Length mm	Code
TR-25	Extra full flush	Tapered	140	4228500
TR-30	Extra full flush	Oval	140	4228505
TR-58A	Full flush	Tapered	137	4228520



BSC cutters

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

Model	Cut	Length mm	Code
002	Extra full flush	115	4230398
094	Extra full flush	120	4230394
005	Extra full flush	130	4230399
029	Extra full flush	180	4230396





Cutters, top

Top cutters have jaws that are blunt at the ends with blades perpendicular to the handles so that the cut is made at the end.

Use these to make sharp, clean cuts on wire and to clip sprues.

DUROX cutters

Durox cutters, made of dropforged stainless steel, have hard metal inserted cutting edges. Adjustable precision screw-joint, screw hardened and hard gilded, black plastic grips.

- Cutting capacity of cutting edges up to 10 times longer.
- Cutting effort reduced.
- Anti-slip plastic handles.

Model	Cut	Length mm	Code
HM-316R	Extra full flush	115	4230774



CK cutters

CK Cutters are being used in many fields in the electronic, but also for other fine jobs in fine mechanics, model making, simply wherever is need for small, light, yet strong tools.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.
- Long life cutting edges are induction hardened to maintain cutting ease.

Model	Cut	Length mm	Code
3776-F	Full flush	115	4226000
3778-F	Diagonal full flush	120	4226010
3776-EF-5	Extra full flush	130	4226005



PS cutters

These cutters accommodate electronic and micromechanic use.

- polished head
- chrome vanadium steel body
- PVC coated handles.

Mod. 245 and E80N feature an oblique cut.

Model	Cut	Length mm	Code
244	Full flush	110	4225015
245	Full flush	110	4225020
E80N	Extra full flush	115	4225040
500	Extra full flush	140	4230748
540	Extra full flush	160	4230750



BSC cutters

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

Model	Cut	Length mm	Code
035	Extra full flush	180	4230397



BERGEON cutters

Double-lever frontal head cutter, extra-full flush cutting. Cutting width 22 mm, overall length 240 mm. With locking system.

Model	Cut	Length mm	Code
6496	Extra full flush	240	4230330

Top cutters

Mod. 362-18

Frontal cut nipper for piano wire (max. 2 mm diameter), it features return spring and carbon steel body. Enamelled finish.

Model	Cut	Length mm	Code
362-180	Bevel	180	4225155



Maun cutters

End cut nipper with return spring, plated handles and black jaws. For piano wire max. 3 mm diameter.

Model	Cut	Length mm	Code
3010	Bevel	150	4230316



Double lever nippers



Cutters, double-lever

Cutters with diagonal cutting and spring return, black jaws and plated handles.

Model 2990

Max. 2 mm hard wire diameter.

Available 140 and 160 mm length.

Length mm	Weight g	Code
140	160	4230300
160	175	4230310



Mod. 2999

Max. 2 mm hard wire diameter, weight 200 g. Length: 160 mm.

Length mm	Weight g	Code
160	175	4230318



BERGEON nipper

This Bergeon sturdy nipper, with flat head, is indicated for cutting sprues; it features blocking device.

Overall length 260 mm, weight 415 g.

Description	Code
Cutter mod. 6599	4230335
Spare head	4230331
Spare spring	4230332



BSC nipper

Nipper with flat head, double lever, overall length 260 mm.

Description	Code
Cutter mod. 041	4230380

Pliers with cutter

PS pliers

This plier with cutter accomodates electronic and micromechanic use; it features polished head, chrome vanadium steel body and handles coated in PVC. With return spring.

Model	Type	Length mm	Code
1262	Ruled	125	4213501



BSC plier

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

Length mm	Type	Model	Code
130	Ruled	Flat tips	4213502
130	Ruled	Round tips	4218750



Flat nose pliers



Pliers, flat nose

CK pliers

CK pliers are being used in many fields in the electronic, but also for other fine jobs in fine mechanics, model making, simply wherever is need for small, light, yet strong tools.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.

Model	Type	Length mm	Code
3770	Smooth	120	4214100
3770-1	Ruled	120	4214101



PS pliers

These pliers accomodate electronic and micromechanic use; they feature polished head, chrome vanadium steel body and handles coated in PVC.

Without spring

Model	Type	Length mm	Code
1239	Smooth	115	4213100
1231	Ruled	130	4213010
1231-BL	Smooth	130	4213011



Without spring, lap joint

Model	Type	Length mm	Code
1201	Ruled	140	4213205
1201	Ruled	160	4213210



With spring

Model	Type	Length mm	Code
EL 04	Smooth	115	4213025



Without spring, narrow nose

Model	Type	Length mm	Code
1232	Ruled	130	4213020
1232-BL	Smooth	130	4213021

Flat nose pliers

BSC pliers

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

With spring

Model	Type	Length mm	Code
087	Ruled	130	4218737
087	Smooth	130	4218738



Without spring - light version

Model	Type	Length mm	Code
010	Ruled	130	4218700
010	Smooth	130	4218701



Without spring - heavy version

Model	Type	Length mm	Code
087	Ruled	130	4218735
087	Smooth	130	4218736



Pliers, round nose

CK pliers

CK Cutters are being used in many fields in the electronic, but also for other fine jobs in fine mechanics, model making, simply wherever is need for small, light, yet strong tools.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.



Model	Type	Length mm	Code
3771	Smooth	120	4214105

PS pliers

These pliers accomodate electronic and micromechanic use; they feature polished head, chrome vanadium steel body and handles coated in PVC.



With spring

Model	Type	Length mm	Code
EL 05	Smooth	115	4213026

Without spring

Model	Type	Length mm	Code
1240	Smooth	115	4213105
1234-BL	Smooth	130	4213041
1234	Ruled	130	4213040



BSC pliers

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.



With spring

Model	Type	Length mm	Code
089	Ruled	130	4218743
089	Smooth	130	4218744

Without spring - light version

Model	Type	Length mm	Code
001	Smooth	115	4218530
008	Smooth	130	4218703
008	Ruled	130	4218702



Without spring - heavy type

Model	Type	Length mm	Code
089	Smooth	130	4218742
089	Ruled	130	4218741



Half round nose pliers

Pliers, half-round nose pliers

CK pliers

CK pliers are being used in many fields in the electronic, but also for other fine jobs in fine mechanics, model making, simply wherever is need for small, light, yet strong tools.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.

Model	Type	Length mm	Code
3772-1	Ruled	120	4214026
3772	Smooth	120	4214110



PS pliers

These pliers accommodate electronic and micromechanic use; they feature polished head, chrome vanadium steel body and handles coated in PVC.

With spring

Model	Type	Length mm	Code
EL 03	Smooth	115	4213024
EL 06	Smooth	115	4213027



Without spring

Model	Type	Length mm	Code
241	Smooth	115	4213110
235	Ruled	130	4213050
235-BL	Smooth	130	4213055
203	Ruled	140	4213235



DUROX pliers

Durox pliers, made of dropforged stainless steel, have hard metal inserted cutting edges. Adjustable precision screw-joint, screw hardened and hard gilded, black plastic grips.

- Cutting effort reduced.
- Anti-slip plastic handles.
- Return spring.

Model	Type	Length mm	Code
HM-250	Smooth	130	4218598



Half round nose pliers



BSC pliers

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

With spring

Model	Type	Length mm	Code
097	Smooth	120	4218720
088	Smooth	130	4218707
088	Ruled	130	4218706



Without spring - light version

Model	Type	Length mm	Code
006	Smooth	115	4218532
009	Smooth	130	4218705
009	Ruled	130	4218704



Without spring - heavy version

Model	Type	Length mm	Code
088	Ruled	130	4218739
088	Smooth	130	4218740

Special pliers

Pliers, forming

CK pliers

These pliers, with half-round bent tips, are specially designed for modelling in jewelry and watchmaker's.

- Grips black plastic coated: comfortable, anti-slip, pleasant.
- Spot-welded double leaf springs ensure consistently repeatable functioning for a lifetime top performance.
- Mirror polishing notably reduces risk of corrosion.

Model	Type	Length mm	Code
3767	Smooth	120	4214080
3769	Ruled	180	4214085



MAUN pliers

These parallel action flat nose pliers can be used for gripping and manipulating; the gripping surfaces of the jaws may be knurled or smooth.

* = mod. 4866 features handles with PVC sleeves.

Model	Type	Spring	Length mm	Code
4870	Smooth	No	125	4220752
4866*	Ruled	No	140	4220753
4860	Ruled	No	140	4220754
4871	Smooth	Yes	150	4220755
4861	Ruled	Yes	160	4220756



PS pliers

These pliers, without spring and with smooth tips, feature polished head, chrome vanadium steel body and handles coated in PVC.

Model		Length mm	Code
1236	Flat/round	130	4213150
1237	Flat/half round	130	4213155



Ring cutters

These cutters safely remove rings with a circular saw in a protective guard. Slide the lower jaw between the ring and the finger; turn the handle and the blade cuts through the ring. Available standard type and economy type.

PS ring cutter

Model		Length mm	Code
255	Ring cutter	140	4220005
	Spare saw blade		4220006



BSC ring cutter

Model		Length mm	Code
025	Ring cutter	170	4220050
	Spare saw blade		4220051





Pliers, hole-punching

Plier to make holes on leather or other synthetic material. In polished stainless steel. Diameter of holes: 1.5 mm. Weight: 70 g.

	Length mm	Code
Plier for holes	130	4220025



Pliers, bangle shaping

AF pliers

With this plier you can straighten any type of bangle. The plastic jaws avoid scratches and damages. In polished stainless steel. Handles covered with blue PVC sleeves.

	Length mm	Code
Plier for bracelets shaping	145	4220040
Spare jaws - pair		4220041



BSC pliers

Pliers with ruled handles for a secure grip. With plastic or rubber jaws.

Model		Length mm	Code
0454	With teflon jaws	140	4218732
	Teflon jaws		4218733
053	With rubber inserts	190	4218770
	Rubber jaws		4218771



Pliers, ring shaping

AF forming pliers

Plier to hold or bend metals without scratches. It features plastic jaws. Nickel-plated steel finish.

Jaws: 12 mm large. Weight 110 g.

	Length mm	Code
Ring shaping plier	140	4220060
Spare jaws - 1 pair		4220061



BSC forming pliers

With ruled handles for a secure grip.

- Manufactured of stainless steel.
- Sturdy box joint.
- Plastic jaws inserts.

	Length mm	Code
Mod. 045	150	4218730
Spare teflon jaws (pair)		4218731



AF holding plier

In polished stainless steel. It features slotted jaws that allow to hold the ring securely and polish it without damage.

Weight: 120 g.

	Length mm	Code
Ring holding plier	140	4220150
Spare jaws - 1 pair		4220151

Special pliers

BSC holding plier

Ring holding plier with steel jaws. Manufactured of stainless steel, it features sturdy box joint and slim, plastic-dipped handles.

	Length mm	Code
Ring holding plier	130	4220110



Plier with inserts

Tong with rubber inserts that won't mar the objects.

Model	Length mm	Code
051	190	4218760



Pliers, bending

AF plier

Plier specially designed to shape also the largest item of jewellery. Ideal to fold rings, to form curves etc. Clamp of advanced quality, with tips in polished steel, hinges embedded and handles covered with PVC. One tip is half round and one is concave. Weight: 185 g.

Model		Length mm	Code
125.197	Half round/concave	160	4218590



PS plier

This plier, without spring and with smooth tips, features polished head, chrome vanadium steel body and handles coated in PVC.

Model		Length mm	Code
1238	Round/concave	130	4213160

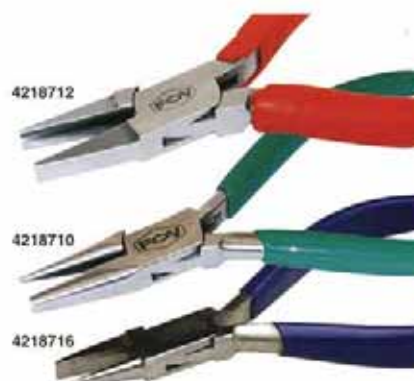


BSC plier

Pliers to hold and shape any item.

- Manufactured of stainless steel.
- Sturdy box joint.
- Slim, plastic-dipped handles.

Model		Length mm	Code
3020	Half round/flat	130	4218710
3055	Round/concave	130	4218712
3050	Round/flat	130	4218716



Plier, shaping

To bend quickly and easily any metal wire or tape. With minimum effort you can create any shape you desire. With overlapping joint box.

	Length mm	Code
Shaping plier	180	4209330





Shears, steel

RS shears

Hand shears with wide blades.

Model	Type	Length mm	Code
160	Wide Blades	160	4212200
180	Wide Blades	180	4212215



BSC shears

Hand shears with tapered blades.

Model	Type	Length mm	Code
024	Pointed Blades	160	4212100
024	Pointed Blades	180	4212110



Shears, for wire

Used especially by chain makers to cut wire. Available in 3 different models.

Model	Type	Length mm	Code
CSO-30	Pointed Blades	140	4212601
182	Straight Blades	180	4212550
023	Curved Blades	175	4212505
021	Wide Blades	175	4212500
51161	With teeth	170	4212702
180	With teeth	180	4212710



Shears, gauge

Bergeon stainless steel shear with marking gauge in synthetic material, adjustable from 0 to 60 mm, and wide blades.

Model	Length mm	Code
6728	180	4212035



Shears, for plate

Shears made of stainless steel, with curved handles.

Length mm	Code
160	4212450

Tweezers for stones

Tweezers for stones

With prongs

Model		Length mm	Code
3/G	With 3 prongs	120	4237005
5109/4	With 4 prongs	120	4237010



Fine tips

Model		Length mm	Code
G01F	Fine tips	150	4237300
G02F	Fine tips	160	4237305



Medium tips

Model		Length mm	Code
G01M	Medium tips	150	4237301
G02M	Medium tips	160	4237306



Grooved

Model		Length mm	Code
G02FG	Fine tips	160	4237307
G02MG	Medium tips	160	4237308



Grooved - with lock

Model		Length mm	Code
G02F GL	Fine tips	160	4237303
G02M GL	Medium tips	160	4237304



With guide pin

Model		Length mm	Code
G04	Straight tips	160	4237612
G03	Curved tips	160	4237610



Ruled

Model		Length mm	Code
G03	Horizontal ruled	165	4237310



With lock

Model		Length mm	Code
G05	With locking pin	150	4237205



Tweezers for stones



Black

Model		Length mm	Code
G02F B	Fine tips	160	4237350
G02M B	Medium tips	160	4237352



Black and grooved

Model		Length mm	Code
G02F GB	Fine tips	160	4237354
G02M GB	Medium tips	160	4237356



Black with lock

Model		Length mm	Code
G02F LB	Fine tips	160	4237358
G02M LB	Medium tips	160	4237360



Black grooved with lock

Model		Length mm	Code
G02F GLB	Fine tips	160	4237362
G02M GLB	Medium tips	160	4237364



Shovels, for stones

Use these shovels to gather stones from your work bench.

Dimensions mm	Code
60x50	4255505
80x50	4255515



Shovels, for filing

Very useful shovels to recover filing spread over your work bench.

Description	Code
Shovel	4255005
Shovel with ring	4255010

Other tweezers

Top-quality tweezers to be used whenever precision and accuracy are needed. Suitable for small objects.

Tweezers, bench type

RS tweezers - AISI 316

Model		Length mm	Code
AA	Strong tips	125	4236005
MM	Fine beveled tips	120	4236010
R	Long blades	140	4236015
RR	Medium tips	140	4236020
W	Medium tips	160	4236025



BSC tweezers - AISI 316

Model		Length mm	Code
AA	Strong tips	125	4236600
R	Long blades	140	4236601
RR	Medium tips	140	4236602
WW	Medium tips	160	4236603



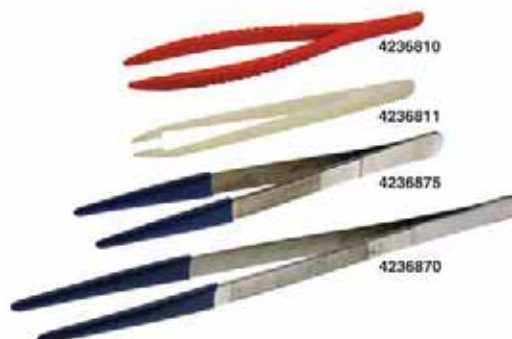
Tweezers, for watchmakers

Model		Length mm	Code
P	Strong tips	120	4236100
P-SA	Strong tips, antima- gnetic	120	4236101
5	Extra-fine tips	110	4236105
OR	Fine tips, reverse ac- tion	120	4236150
4/A	Fine strong tips	110	4236103
5A	Obliquial tips	115	4236110
6	Hooked tips	115	4236115



Tweezers, for acid

Model		Length mm	Code
454	Plastic	114	4236810
455	Teflon	115	4236811
450A	Plastic coated	200	4236875
450	250 mm tweezer	250	4236870



Tweezers, for soldering

Heat-resistant fiber grips protect your hands from heat while soldering. The polished stainless steel tips firmly hold without contaminating. The cross-lock mechanism opens when pressed to grip object securely.



RS tweezers - straight nippers

Model		Length mm	Code
J06	Crossed straight nippers	160	4235005
J08	Straight nippers	170	4235101
J06L	Crossed straight nippers	180	4235010



RS tweezers - curved nippers

Model		Length mm	Code
J07	Curved nippers	165	4235100
J07L	Curved nippers	180	4235105



BSC tweezers - straight nippers

Model		Length mm	Code
4250	Straight nippers	160	4235050
115	Straight nippers	180	4235060



BSC tweezers - curved nippers

Model		Length mm	Code
4255	Curved nippers	160	4235150
115	Curved nippers	180	4235152



Files, flat parallel

Type 1163

Length: 4" (100 mm), A= 12,5 mm; B=3 mm.

Description	Code
Cut 00	440110#00 4"
Cut 0	440110#0 4"
Cut 1	440110#1 4"
Cut 2	440110#2 4"
Cut 3	440110#3 4"
Cut 4	440110#4 4"

Length: 5" (125 mm), A= 15,5 mm; B=3,5 mm.

Description	Code
Cut 00	440110#00 5"
Cut 0	440110#0 5"
Cut 1	440110#1 5"
Cut 2	440110#2 5"
	440110#3 5"
Cut 4	440110#4 5"

Length: 6" (150 mm), A= 18,5 mm; B= 4 mm.

Description	Code
Cut 000	440110#000 6"
Cut 00	440110#00 6"
Cut 0	440110#0 6"
Cut 1	440110#1 6"
Cut 2	440110#2 6"
Cut 3	440110#3 6"
Cut 4	440110#4 6"

Length: 7" (175 mm), A= 21,3 mm; B= 4,8 mm.

Description	Code
Cut 00	440110#00 7"
Cut 0	440110#0 7"
Cut 2	440110#2 7"

Length: 8" (200 mm), A= 21,3 mm; B= 4,8 mm.

Description	Code
Cut 000	440110#000 8"
Cut 00	440110#00 8"
Cut 0	440110#0 8"
Cut 1	440110#1 8"
Cut 2	440110#2 8"
Cut 3	440110#3 8"
Cut 4	440110#4 8"

Length: 10" (250 mm), A= 25,3 mm; B= 6,3 mm.

Description	Code
Cut 000	440110#000 10"
Cut 00	440110#00 10"
Cut 0	440110#0 10"
Cut 1	440110#1 10"
Cut 2	440110#2 10"
Cut 3	440110#3 10"
Cut 4	440110#4 10"

Length: 12" (300 mm), A= 29,3 mm; B= 7,8 mm.

Description	Code
Cut 000	440110#000 12"
Cut 00	440110#00 12"
Cut 0	440110#0 12"
Cut 1	440110#1 12"
Cut 2	440110#2 12"



Pillar - type 1132

Length: 6" (150 mm), A= 12 mm; B= 4 mm.

Description	Code
Cut 00	440120#00 6"
Cut 0	440120#0 6"
Cut 1	440120#1 6"
Cut 2	440120#2 6"
Cut 3	440120#3 6"
Cut 4	440120#4 6"

Length: 7" (175 mm), A= 13,5 mm; B= 4 mm.

Description	Code
Cut 0	440120#0 7"
Cut 1	440120#1 7"

Length: 8" (200 mm), A= 14,5 mm; B= 4,5 mm.

Description	Code
Cut 00	440120#00 8"
Cut 0	440120#0 8"
Cut 1	440120#1 8"
Cut 2	440120#2 8"
Cut 3	440120#3 8"
Cut 4	440120#4 8"



Slim pillar - type 1142

Length: 6" (150 mm), A= 6,5 mm; B= 3 mm.

Description	Code
Cut 00	440130#00 6"
Cut 0	440130#0 6"
Cut 1	440130#1 6"
Cut 2	440130#2 6"
Cut 3	440130#3 6"
Cut 4	440130#4 6"

Length: 7" (175 mm), A= 7,3 mm; B= 3,3 mm.

Description	Code
Cut 0	440130#0 7"
Cut 1	440130#1 7"
Cut 2	440130#2 7"



Extra-slim pillar - type 1152

Length: 6" (150 mm), A= 4,5 mm; B= 2,5 mm.

Description	Code
Cut 00	440140#00 6"
Cut 0	440140#0 6"
Cut 1	440140#1 6"
Cut 2	440140#2 6"
Cut 3	440140#3 6"
Cut 4	440140#4 6"



Files, half-round

Type 1560

Length: 4" (100 mm), A= 12,7 mm; B= 3,5 mm.

Description	Code
Cut 0	4402010
Cut 2	4402020
Cut 4	4402030

Length: 5" (125 mm), A= 13,1 mm; B= 4,1 mm.

Description	Code
Cut 00	4402050
Cut 0	4402055
Cut 1	4402060
Cut 2	4402065

Length: 6" (150 mm), A= 15,1 mm; B= 4,7 mm.

Description	Code
Cut 000	4402100
Cut 00	4402105
Cut 0	4402110
Cut 1	4402115
Cut 2	4402120
Cut 3	4402125
Cut 4	4402130

Length: 8" (200 mm), A= 21,1 mm; B= 6,3 mm.

Description	Code
Cut 000	4402150
Cut 00	4402155
Cut 0	4402160
Cut 1	4402165
Cut 2	4402170



Tapered for rings - type 1566

Length: 6" (150 mm), A= 12,7 mm; B= 3,5 mm.

Description	Code
Cut 00	4402300
Cut 0	4402305
Cut 1	4402310
Cut 2	4402315
Cut 3	4402320
Cut 4	4402325



Files, round

Type 1660

Length: 4" (100 mm), diam. 3,85 mm.

Description	Code
Cut 1	4404015
Cut 2	4404020
Cut 3	4404025
Cut 4	4404030

Length: 5" (125 mm), diam. 4,75 mm.

Description	Code
Cut 1	4404060
Cut 2	4404065

Length: 6" (150 mm), diam. 5,75 mm.

Description	Code
Cut 1	4404115
Cut 2	4404120
Cut 3	4404125
Cut 4	4404130

Length: 8" (200 mm), diam. 7,5 mm.

Description	Code
Cut 1	4404165
Cut 3	4404175
Cut 4	4404180



Files, square pointed

Type 1464

Length: 4" (100 mm), A= 3,6 mm.

Description	Code
Cut 1	4405015
Cut 2	4405020
Cut 4	4405030

Length: 5" (125 mm), A= 4,5 mm.

Description	Code
Cut 1	4405060
Cut 2	4405065
Cut 3	4405070

Length: 6" (150 mm), A= 5,5 mm.

Description	Code
Cut 1	4405115
Cut 2	4405120
Cut 3	4405125
Cut 4	4405130

Length: 8" (200 mm), A= 7,5 mm.

Description	Code
Cut 1	4405165
Cut 2	4405170
Cut 4	4405180



Files, triangular

Type 1360

Length: 4" (100 mm), A= 7,5 mm.

Description	Code
Cut 00	4403005
Cut 0	4403010
Cut 1	4403015
Cut 2	4403020
Cut 4	4403030

Length: 5" (125 mm), A= 8,3 mm.

Description	Code
Cut 00	4403050
Cut 0	4403055
Cut 1	4403060
Cut 2	4403065
Cut 3	4403070
Cut 4	4403075

Length: 6" (150 mm), A= 10,3 mm.

Description	Code
Cut 000	4403100
Cut 00	4403105
Cut 4	4403130

Length: 8" (200 mm), A= 14,2 mm.

Description	Code
Cut 0	4403160

Length: 10" (250 mm), A= 17,2 mm.

Description	Code
Cut 1	4403165
Cut 2	4403170



Files, oval

Crossing files - type 1960

Length: 6" (150 mm), A= 14,8 mm; B= 5 mm.

Description	Code
Cut 0	4406105
Cut 1	4406110
Cut 2	4406115
Cut 3	4406120
Cut 4	4406125



Files, coulisse

Flat

Files fig. 1032P, with rounded edges, overall length 100 mm (4"), 10 mm wide. All items are cut #3.

Thickness mm	Code
0.30	441730#03
0.40	441730#04
0.50	441730#05
0.60	441730#06
0.70	441730#07
0.80	441730#08
0.90	441730#09
1.00	441730#10
1.10	441730#11
1.20	441730#12
1.50	441730#15
2.00	441730#20



Round

Round cylindrical files fig. 1031P, overall length 100 mm (4"). All items are cut #3.

d mm	Code
0.50	4416015
1.00	4416020
1.60	4416025
2.00	4416035
3.00	4416045



Files, needle

This is the most complete range of needle files available on the market: 9 different shapes, 200 mm length, sharp edges and fine points. Made from chrome steel, hardness 66HRc.

Upon requests, lengths 100, 140 and 160 mm are available.

Flat files type 2401

A= 6,5 mm; B= 1,3 mm.

Description	Code
Cut 00	440710#00 20
Cut 0	440710#0 20
Cut 1	440710#1 20
Cut 2	440710#2 20
Cut 3	440710#3 20
Cut 4	440710#4 20



Half-round files, type 2402

A= 6,3 mm; B= 2 mm.

Description	Code
Cut 00	440711#00 20
Cut 0	440711#0 20
Cut 1	440711#1 20
Cut 2	440711#2 20
Cut 3	440711#3 20
Cut 4	440711#4 20



Crossing files, type 2403

A= 6 mm; B= 2,4 mm.

Description	Code
Cut 00	440712#00 20
Cut 0	440712#0 20
Cut 1	440712#1 20
Cut 2	440712#2 20
Cut 3	440712#3 20
Cut 4	440712#4 20



Knife files, type 2405

A= 6,4 mm; B= 1,8 mm.

Description	Code
Cut 0	440713#00 20
Cut 0	440713#0 20
Cut 1	440713#1 20
Cut 2	440713#2 20
Cut 3	440713#3 20
Cut 4	440713#4 20



Warding files, type 2406

A= 6,5 mm; B= 1,4 mm.

Description	Code
Cut 0	440714#0 20
Cut 1	440714#1 20
Cut 2	440714#2 20
Cut 3	440714#3 20
Cut 4	440714#4 20



Triangular files, type 2407

A= 4,4 mm.

Description	Code
Cut 00	440715#00 20
Cut 0	440715#0 20
Cut 1	440715#1 20
Cut 2	440715#2 20
Cut 3	440715#3 20
Cut 4	440715#4 20



Square files, type 2408

A= 2,8 mm.

Description	Code
Cut 0	440716#00 20
Cut 0	440716#0 20
Cut 1	440716#1 20
Cut 2	440716#2 20
Cut 3	440716#3 20
Cut 4	440716#4 20



Round files, type 2410

Diam. 3,5 mm.

Description	Code
Cut 00	440718#00 20
Cut 0	440718#0 20
Cut 1	440718#1 20
Cut 2	440718#2 20
Cut 3	440718#3 20
Cut 4	440718#4 20



Barrette files, type 2411

A= 2,2 mm; B= 5,8 mm.

Description	Code
Cut 00	440719#00 20
Cut 0	440719#0 20
Cut 1	440719#1 20
Cut 2	440719#2 20
Cut 3	440719#3 20
Cut 4	440719#4 20



Files, set

Set of 12 files with round handle, cut 2, composed of 2401-2402-2403-2405-2406-2407-2408-2409-2410-2411-2415-2416 shapes. Available in 3 different lengths.

Model	Length mm	Code
2482-2	140	4407210
2483-2	160	4407220
2484-2	180	4407230



Files, escapement

Escapement files with square handles. Length 140 mm. L= 55 mm. Cut = 6.

	Model	Code
Knife pointed	3004	440802#556
Half round	3008	440804#556
Crossing	3009	440805#556
Barrette	3010	440806#556
Three square	3014	440809#556
Warding	3016	440811#556
Pillar	3017	440812#556
Square	3020	440814#556
Round	3021	440815#556

Diamond files

Files, diamond

These hand files feature precision-machined construction, uniform abrasive grading, and exceptional quality.
Length: 160 mm.

Flat

	Model	Code
Medium grit - D107	LP162	4425110
Coarse grit - D151	LP163	4425010

Square

	Model	Code
Medium grit - D107	LQ162	4425140
Coarse grit - D151	LQ163	4425040

Triangular

	Model	Code
Medium grit - D107	LT162	4425130
Coarse grit - D151	LT163	4425030

Round

	Model	Code
Medium grit - D107	LR162	4425150
Coarse grit - D151	LR163	4425050

Halfround

	Model	Code
Medium grit - D107	LH162	4425160
Coarse grit - D151	LH163	4425060

Knife

	Model	Code
Medium grit - D107	LK162	4425080
Coarse grit - D151	LK163	4425180

Files, set

Set of 5 pieces: round, square, half round, triangular and flat.

	Model	Code
Medium grit - D107	162	4425500
Coarse grit - D151	163	4425501



Handles for files

Wooden handles

Wooden handles to hold files securely while working.



Description	Code
# 0 - 8 cm	4428005
# 1 - 9 cm	4428010
# 2 - 10 cm	4428015
# 3 - 11 cm	4428020
# 4 - 12 cm	4428025
# 5 - 13 cm	4428030
# 6 - 14 cm	4428035

Plastic handles

Adjustable plastic handle for file; length: 80 mm.



Description	Code
Adjustable handle	4428100

Brush for files

Metal brush with wooden body for file cleaning. Overall size: 245x40 mm.



Description	Code
Brush for files	4521510

Saws and saw frames

Saw frames ,adjustable

Mod. 202

Finely polished saw frame with black wooden handle. Adjustable for different saw blade lengths and tensions. Serrated clamps hold saw blades firmly.

Dimensions mm	Code
160x60	4455110
160x80	4455111
160x100	4455112
160x150	4455113



Mod. 205

Saw frame with tensioning screw.

Dimensions mm	Code
160x60	4455120
160x80	4455122
160x100	4455124



Mod. 215

Ultralight adjustable saw bow of first quality. This no-glare frame is spring-steel, lighter than other frames but just as strong. Patented blade-lock system makes blade insertion easy and eliminates wobble; ergonomic, non-slip rubber grips reduce fatigue.

Dimensions mm	Code
160x80	4455280



Saw blades

IRIS saws

Swiss first class quality saws, extra strong and with round back. Sold by grosse (144 pcs).

	Thickness mm	Code
# 8/0	0.16	4446040
# 7/0	0.17	4446035
# 6/0	0.18	4446030
# 5/0	0.20	4446025
# 4/0	0.22	4446020
# 3/0	0.24	4446015
# 2/0	0.26	4446010
# 0	0.28	4446005
# 1	0.30	4446050
# 2	0.34	4446055
# 3	0.36	4446060
# 4	0.38	4446065
# 5	0.40	4446070
# 6	0.44	4446075
# 8	0.50	4446085





KAKADU blades

Blades in tempered special steel, first Switzerland quality. Available in grosse (144 pcs) from fine cut (6/0) to coarse (6).

Description	Code
# 6/0	444501#6/0
# 5/0	444501#5/0
# 4/0	444501#4/0
# 3/0	444501#3/0
# 2/0	444501#2/0
# 0	444501#0..
# 1	444501#1..
# 2	444501#2..
# 3	444501#3..
# 4	444501#4..
# 5	444501#5..
# 6	444501#6..



Saw blades, diamond

These saws are manufactured electrolytically, and are made from a harmonic thread covered from one thick diamond powder film. The operator works fastly, and executes cuts neatly and precisely. Ideal for glass, ceramics and stones.

Grit	Code
60	4451700
100	4451705
120	4451710
140	4451715

Circular Blades

Saw blades, circular

These blades in high speed steel are specific for goldsmith cutting and working purposes. They have hub and are manufactured with tooth pitches lower than 1 millimeter.

Z= number of teeth.

50 mm diameter saws - with flange

10 mm hole, Z=180.

Thickness mm	Code
0.15	4460200
0.20	4460205
0.25	4460210
0.30	4460215
0.35	4460220
0.40	4460225
0.50	4460235
0.60	4460240
0.70	4460245
0.80	4460250
0.90	4460255
1.00	4460260
1.20	4460265
1.70	4460272
2.00	4460275
2.20	4460276
2.50	4460278



63 mm diameter saws - with flange

10 mm hole, Z=200.

Thickness mm	Code
0.15	4460299
0.20	4460300
0.25	4460305
0.30	4460310
0.35	4460315
0.40	4460320
0.50	4460330
0.60	4460335
0.70	4460340
0.80	4460345
0.90	4460355
1.00	4460360
1.20	4460365
1.50	4460366
2.00	4460370
2.50	4460375
3.00	4460380



50/63 mm diameter saw blades - without flange

ø mm	Hole ø mm	# of teeth Z	Thickness mm	Code
50	10	180	0.20	4460700
50	10	180	0.30	4460704
63	10	200	0.20	4460715
63	10	200	0.30	4460719





Other circular saw blades - with flange

ø mm	Hole ø mm	# of teeth Z	Thickness mm	Code
80	22	260	0.30	4460405
80	22	160	0.50	4460410
80	22	128	0.80	4460425
100	22	300	0.30	4460450
100	22	280	0.30	4460460

Saw blades, circular - widia carbide

Without flange.

50 mm diameter

10 mm hole, Z=180.



Thickness mm	Code
0.30	4460600
0.40	4460602
0.50	4460604
0.60	4460609

63 mm diameter

10 mm hole, Z=200.



Thickness mm	Code
0.30	4460640
0.40	4460650
0.50	4460655
0.60	4460657
0.70	4460670
0.80	4460680
1.00	4460682

Bench saws, circular

Mod. 2401

It features:

- Alternating current, single-phased motor, HP 0,5.
- Speed: 1400 rpm.
- Blade hole: 10-13 mm diam.
- Blade diameter: 50-63 mm.
- Overall dimensions: 500x500x650h mm.
- Weight: 40 kg.



Description	Code
Circular bench saw mod. 2401	1240400

Mod. 2404 - with inverter

It features:

- Direct current, single-phased motor, HP 0,5.
- Speed: 2800-10000 rpm.
- Blade hole: 10-13 mm diam.
- Blade diameter: 50-63 mm.
- Overall dimensions: 500x500x650h mm.
- Weight: 40 kg.

With this machine it is recommended to use only widia blades.

Description	Code
Circular bench saw mod. 2404	1240420

Hammers

With flat peen

With carbon steel head and ash-wood handle.

Head weight g	Code
100	4240010
200	4240020
400	4240035
500	4240040



With 8 bevels

Ideal for riveting and shaping with a finely finished, high quality steel head and a perfectly balanced hardwood handle.

a mm	Code
16	4240100
18	4240105



For watchmakers

Hardwood hammers with quality steel heads offer a chisel-shaped end for riveting and a flat end for light duty work.

Head weight mm	Head weight g	Code
50	50	4240203
60	60	4240210
70	70	4240200
80	80	4240205
90	90	4240206



Chisel hammer

Round-peen hammer with handle, ideal for chiselling.

a mm	Code
22	4240289
25	4240290
28	4240291
32	4240293



Ball pen

These hammers are used for flattening, shaping or removing dents. Constructed with forged steel heads and hardwood handles.

Head size mm	Head weight g	Code
13x57	60	4240150
16x70	110	4240152
25x84	240	4240154



Embossing hammers

Embossing works metal from the back to create three-dimensional forms. These hammers have two different bowed faces and a highly polished finish.

Head size mm	Head weight g	Code
11-14x105	100	4240160
18-21x135	200	4240162
32x118	400	4240164





Forming hammer

With one round flat head for half-planishing and one flat domed head for half-forming.

Head size mm	Head weight g	Code
24x104	250	4240166



Raising hammer

Two tall, rectangular faces were designed to create seamless forms in metal without thinning it out.

Head size mm	Head weight g	Code
9-11x114	200	4240170



Bordering hammer

This straight-patterned, dull-polished hammer is ideal for working in confined areas and for finishing edges.

Head size mm	Head weight g	Code
140x72	200	4240172



Planishing hammers

Ideal for metalsmiths, these hammers easily harden and smooth platinum, gold, silver, brass and other metals.

Head size mm	Head weight g	Code
24x80	170	4240175
22x134	300	4240177



Goldsmith's hammer

This well-balanced, highly polished goldsmith's hammer is perfect for riveting and shaping.

Head size mm	Head weight g	Code
16x90	100	4240180



Hammer for planishing

Manual hammers for planishing objects with beating bulk (manually actioned). Available both small and large type.

	a mm	Code
Small type	60	1602210
Large type	78	1602200

Hammers

Mallets

Wooden mallet

To enlarge and model objects without damage.

ø mm	Code
40	4241005
50	4241010
60	4241015
70	4241020
80	4241025



White nylon mallets

Mallets with white replaceable polyurethane heads, steel body and ash wooden handle.

ø mm	Code
22	4241301
28	4241304
35	4241308
42	4241316



Rawhide mallets

These mallets won't score or mar metal. Heads are made from the highest grade water-buffalo hide.

Weight g	ø mm	Width mm	Code
60	25	50	4241495
110	32	64	4241496
180	38	76	4241498
270	44	86	4241500
330	51	89	4241501





Motor shear

Motor shear with maximum cut thickness of 2 mm, blades diameter 100 mm. Direct current motor with single-phase actuators. Variable speed of cut from or to the desired speed.

Overall dimensions: 550x800x1150h mm.

Weight: 160 kg.

Description	Code
Motor circular shear	1238360



Shear, circular

Made in cast-iron, these tools are very useful for goldsmiths. They are equipped with adjustable sliding guides (to cut sheet to the required size) and with built-in gauge on the sliding surface.

The diameter of the blades is 60 mm for mod. 1801, 80 mm for mod. 1802 and 100 mm for mod. 1803.

Model	Thickness mm	Dimensions mm	Weight kg	Code
1801	1.00	500x250x200h	20	1236100
1802	1.00	570x250x220h	25	1236101
1803	1.50	620x250x240h	38	1236102



Shear, lever

The handle mechanism has been designed to cut metals with a minimum amount of force. It cuts 1.6 mm sheets or 10 mm round stock of mild steel with minimal metal distortion. The blades, made of high carbon steel, can be easily reversed.

Maximum sheet width: 152 or 203 mm.

Description	Code
Bench shear, 152 mm	4212060
Bench shear, 203 mm	4212065



Guillotine shear

This heavy duty guillotine will reduce waste by cutting neatly sheets to the exact size. The exclusive lever action locking bar holds the material securely for precision cuts; the guillotine is designed to cut mild steel up to 1.6 mm and mild non-ferrous metals up to 2.4 mm. The high carbon steel blades are designed to make 10,000 cuts before sharpening is required.

Dimensions: 290x775 mm.

Weight: 27 kg.

Description	Code
Guillotine, 152 mm cut	4212050

Bench shears

Shear, lever

Adjustable shears with opposite blades, indicated to cut with precision sheets from 0 to 0,6 mm thick and from 3 to 60 mm wide.

Description	Code
Manual shear	1236420



Shear, with display

Adjustable shears with opposite blades, indicated to cut with precision sheets from 0 to 0,6 mm thick and from 3 to 60 mm wide.

It features analogic display.

Description	Code
Shear with analog gauge	1236430



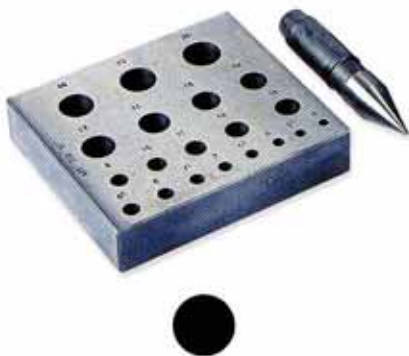
Shear, wire cutting

Shears for round wire.

Description	Code
Shear for wire diam. 1-1.2-1.5 mm	1236700
Shear for wire diam. 0.5-0.75-1 mm	1236701



Bezel blocks



Bezel punch set

Finely polished, high-grade steel punch and block sets. Each block comes with a single 17°-angled punch precisely machined to fit each bezel size in the set.

Round

Item 8 is 28°-angled, while item 8/A/1 is 32°-angled.

Model	from mm	to mm	Code
8/P	3	13	4204099
8/A	5	20	4204100
8	5	20	4204101
8/A/1	5	20	4204102



Oval

Model	from mm	to mm	Code
8/B	4	14	4204105
8/B/BIG	14	21	4204125



Narrow oval

Model	from mm	to mm	Code
8/C	4	14	4204106
8/C/BIG	14	21	4204126



Drop

Model	from mm	to mm	Code
8/D	4	14	4204116
8/D/BIG	14	21	4204118



Narrow drop

Model	from mm	to mm	Code
8/E	4	14	4204117
8/E/BIG	14	21	4204119



Hexagonal

Model	from mm	to mm	Code
9	4	14	4204107
9/BIG	14	21	4204135



Square

Model	from mm	to mm	Code
10	4	14	4204108

Bezel blocks

Chamfered square

Model	from mm	to mm	Code
10/A	4	14	4204109



Swelling square

Model	from mm	to mm	Code
10/D	4	14	4204122
10/D/BIG	14	21	4204123



High rectangular

Model	from mm	to mm	Code
10/S	4x2.8	14x10	4204114



High chamfered rectangular

Model	from mm	to mm	Code
10/SM	4x2.8	14x10	4204127
10/SM/BIG	14	21	4204131
10/SK1	6x5	16x15	4204115
10/SK1/BIG	14	21	4204142
10/SK2	6x4	16x4	4204129
10/SK2/BIG	14	21	4204143
10/SK3	6x3	16x12	4204130
10/SK4	6x2	16x12	4204128



10/SK1
10/SK1/BIG



10/SK2
10/SK2/BIG



10/SK3
10/SK3/BIG



10/SM
10/SM/BIG



10/SK4
10/SK4/BIG

Low chamfered rectangular

Model	from mm	to mm	Code
10/C	5x2.5	15x7.5	4204111



Low rectangular

Model	from mm	to mm	Code
10/B	5x2.5	15x7.5	4204110



Rectangular-oval

Model	from mm	to mm	Code
10/T	4	14	4204120



Octagonal

Model	from mm	to mm	Code
11	4	14	4204112



Bezel blocks



Triangular

Model	from mm	to mm	Code
12	4	14	4204113



Swelling triangular

Model	from mm	to mm	Code
36/C	5	15	4204124



Heart

Model	from mm	to mm	Code
149	5	15	4204132
149/BIG	14	21	4204133

Compasses and scribes

Compasses

Precision finish compasses, with quick action nut and flat hardened tips.

Length mm	Code
100	4245060
125	4245062



Markers

With hardened steel point to draw on metal surfaces.

Model		Length mm	Code
530	Scriber	220	4433250
653	Scraper w/burnisher	180	4433200



Scrapers

Hollow triangular scrapers in tempered steel for trimming and eliminating burdocks.

Model		Length mm	Code
526	Scraper	75	4433010
526	Scraper	100	4433020
533	Scraper with handle	80+110	4433050
657	Scraper with burnisher	190	4433210



Burnisher

Tempered steel double burnisher, to polish and eliminate small scratches. Diameter 5 mm, weight 280 g.

	Length mm	Code
Double burnisher	190	4433205

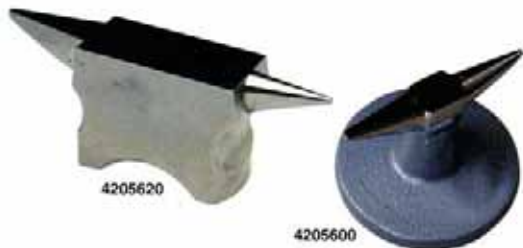




Necklace mandrels

Polished cast iron necklace mandrels to create pieces that drape naturally. Their weight keeps them from slipping or moving while working.

Description	Code
Cast iron necklace mandrel - small	4265010
Cast iron necklace mandrel - large	4265100



Anvils

Miniature anvils for modelling and hammering jewelry items.

Description	Code
Cast iron base horn anvil - diam. 100 mm	4205600
Cast iron base horn anvil - economy type	4205601
Horn anvil - 115 mm length	4205620

Forming Mandrels

Mandrels for rings

Steel mandrels to form, shape, straighten or enlarge upon the need.

Round

from mm	to mm	Length mm	Code
1	5	220	4206008
3	10	220	4206010
5	10	220	4206012
5	12	225	4206013
8	33	400	4206022
9	16	350	4206014
10	25	350	4206016
10	28	400	4206018
12	24	270	4206024
15	30	400	4206020



Round, for bezel

Steel round bezel mandrel, from 3.2 to 9.4 mm. Overall length: 230 mm.

Description	Code
Round bezel mandrel	4206025



Round, size-engraved

Conical steel mandrels with italian (1-36) or english (A-Z) numbers.

from mm		to mm	Code
10	Italian numbers	25	4206050
10	English numbers	25	4206051



Round grooved

Conical steel mandrels, with U or V grooves to enlarge rings with stones of length 350 mm.

from mm		to mm	Code
10	V grooved	25	4206060
10	U grooved	25	4206070



Oval

Oval conical steel mandrels.

from mm	to mm	Length mm	Code
3x5	8x10	220	4206104
4x6.5	15x20	240	4206100
8x12	26x34	320	4206102



Triangular swelling - for prongs

from mm	to mm	Length mm	Code
5	15	280	4206560
10	25	350	4206570



Drop

from mm	to mm	Length mm	Code
5	15	240	4206580
10	25	320	4206582



Forming Mandrels



Square

from mm	to mm	Length mm	Code
4x4	10x10	270	4206250
4x4	20x20	300	4206254
10x10	25x25	350	4206258



Square chamfered

from mm	to mm	Length mm	Code
4x4	10x10	270	4206200
4x4	20x20	200	4206203
5x5	7x7	225	4206202
9x9	16x16	300	4206206
10x10	25x25	350	4206208



Square rounded angled

from mm	to mm	Length mm	Code
5x5	15x15	280	4206540
10x10	25x25	350	4206209



Square swelling

from mm	to mm	Length mm	Code
5x5	15x15	280	4206212
10x10	25x25	350	4206218



Rectangular - for emeralds

from mm	to mm	Length mm	Code
5x3.75	15x11.25	280	4206025
10x8	25x18	350	4206210



Hexagonal

from mm	to mm	Length mm	Code
5	15	280	4206300
10	25	350	4206302



Mandrels for bracelets

Available in round and oval shape. Ideal for bracelets.

Cast-iron, round

from mm	to mm	Length mm	Code
25	50	300	4206400
40	70	300	4206402
50	90	370	4206404

Forming Mandrels

Cast-iron, oval

from mm	to mm	Length mm	Code
25x35	45x55	300	4206450
40x50	65x75	300	4206452
65x75	85x95	370	4206454



Steel, round

Steel bracelet mandrel with hollow core; length 225 mm, stepped diameters at 48, 54, 60 and 66 mm.

Description	Code
Bracelet mandrel	4206095



Winding machine

Manual wire winding machine complete with 22 round pins, from diam. 4 to diam. 25 mm. Separately are available oval pins (6x4, 8x6, 9x7, 10x7.5, 11x8.5, 12x9, 14x11, 16x12 and 20x15 mm).

Description	Code
Manual wire winding machine - with round pins	1232100
Set of oval pins (9 pz)	4206480



Manual twister

With 4 gears, to twist wire and shape small rings.

Description	Code
Manual twister	1232110



Bench blocks



Blocks, polished

Useful for flattening, laying out or chasing, these blocks are constructed of tool steel, ground flat, polished and case-hardened.

Dimensions mm	Code
60x60x20	4205550
80x80x20	4205551
100x100x20	4205552
130x130x25	4205553



Blocks, grooved

These blocks are designed to give you forming versatility; solid, polished, grooved blocks are ideal for bending, creasing, grooving and shaping.

Mod. 21/A

Item 21/A has 12 slots with 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 4,5 - 5 - 6 - 7,5 - 10 - 12,5 mm radius.

Description	Code
Block 21/A	4205510



Mod. CP 21/A

CP 21/A is a block complete with 12 grooves.

Description	Code
Block CP 21/A	4205511



Mod. 21/C

Item 21/C has 6 grooves with 17,5 - 22,5 - 27,5 - 40 - 50 mm radius.

Description	Code
Block 21/C	4205512



Cubes, grooved

Steel grooved cubes, "Paris" type, with 1/2 round, rectangular and triangular grooves.

Dimensions mm	Code
60x60x60	4205500
70x70x70	4205405



Cube, grooved - complete

"Paris" type grooved cube complete with plugs on wooden base.

Description	Code
Grooved cube - complete	4205520

Bench blocks

Forming set

Forming tool where each stake is engineered to fit the grooves of the forming block.
Machined from high-grade steel, hardened to 50HRC.

The set includes:

- 70x70 block with six grooved sides.
- 29 forming stakes.
- One wood holder.

Description	Code
Professional forming set	4205035





Ringstretchers

Mod. B Enlarging and reducing machine with plate and sized mandrel (italian or american).

	Model	Code
Ringstretcher with italian spindle	33/B	1601200
Ringstretcher with american spindle	35/B	1601205



Mod. S

Ringstretcher with 14 interchangeable pincers, from 6 to 32 mm.

Model	Code
35/S	1601210



Mod. P

Six spline mandrel with 16 countersunk dies for reducing and enlarging wedding bands.

	Model	Code
Ringstretcher	185.00	1601204



Ringstretcher, reducer-bender

Main features:

- 6-spline mandrel
- Reduces plain bands up to 12 mm wide
- Bends flat, oval and half round blanks up to 4 mm thick.

Description	Code
Ringstretcher and bender	1601206

Ring and bracelet sizing

Ring enlargers

Mod. P

Enlargers that allow to stretch stone set rings without stressing stone settings. They both come with 17 high-polished rolls which will accommodate most ring styles.

Description	Code
Standard ring enlarger with 17 rollers	1601315
Deluxe ring enlarger with 17 rollers	1601310



Mod. AN

Enlarger for rings with prongs; it comes complete with 16 rolls.

	Model	Code
Enlarger for rings with prongs	35/AN	1601300



Ring benders

Mod. P

This ring bender, with heavy duty cast iron construction, can bend flat, oval and half-round blanks up to 4 mm thick. Comes with 2 forming dies.

Description	Code
Ring bender	1601610



Mod. PA

Manual machine to bend rings and earrings; it comes complete with one block for flat items and one shaped block for half-round items.

	Model	Code
Ring bender	35/PA	1601600





Bangle enlarger, conical

Manual machine for enlarging bangles from 38 to 75 mm diameter. It is extremely precise and easy to use thanks to the long operation lever. The steel cone features 8 sections.

Description	Code
Bangles enlarger - conical	1601500



1601220-250

1601221

1601251

Bangle enlarger

These bracelets enlargers are available both with round or oval dies (6 pcs).

Round dies diameters: 42-47 mm; 47-52 mm; 52-57 mm; 57-62 mm; 62-67 mm; 67-72 mm.

Oval dies diameters: 45x40 - 47.5x41 mm; 49x42.5 - 52x45 mm; 53.5x46.5 - 56.5x50 mm; 58.5x51.5 - 62x54.5 mm; 64x58 - 67x61 mm; 69x62 - 72x64 mm.

Description	Code
Bangle enlarging machine with 6 round expanders	1601220
Set of 6 round expanders - on wooden base	1601221
Bangle enlarging machine with 6 oval expanders	1601250
Set of 6 oval expanders - on wooden base	1601251

Dapping dies

Dapping dies

Cubic

It comes complete with dapping punches and wooden base.

Description	Code
Cube dapping die complete with 21 punches from 4 to 54 mm	4205060
Cube dapping die complete with 6 punches from 44 to 55 mm	4205075



Flat

With set of dapping punches and wooden base.

Description	Code
Flat dapping die with 31 punches from 2 to 32 mm	4205105
Flat dapping die with 31 punches from 2 to 32 mm	4205102



Oval

Four side dapping die with 16 oval holes, complete with 4 oval dapping punches (from 18 to 41 mm) and wooden base.

Description	Code
Oval dapping die with 16 holes	4205040



Cupola

For forming large spherical shapes; made of quality tool steel and highly polished. Available in 4 types:

- Small: with 2 half-round punches of 51 and 57 mm.
- Medium: with 2 half-round punches of 63.5 and 70 mm.
- Large: with 2 half-round punches of 76 and 82.5 mm.
- Deluxe: with 6 half-round punches of 51, 57, 63.5, 70, 76 and 82.5 mm.

Description	Code
A. Cupola punch and die set, mod. Small	4205001
Cupola punch and die set, mod. Medium	4205005
Cupola punch and die set, mod. Large	4205010
D. Cupola punch and die set, mod. Deluxe	4205015





Dapping dies, set - round/oval

Mod. CP-MIX

Round/oval dapping set complete with: steel bench block with 19 half round slots and 3 V shaped grooves including dapping die with 15 round holes and 6 oval holes; 4 oval punches (from 18 to 41 mm) and 15 round punches (from 2 to 20 mm); wooden base.

Description	Code
Mod. CP-MIX	4205050



Mod. CP-21/MIX

Round/oval dapping set complete with: steel bench block with 19 half round slots and 3 V shaped grooves including dapping die with 15 round holes and 6 oval holes; 4 oval punches (from 18 to 41 mm) and 15 round punches (from 2 to 20 mm); wooden base.

Description	Code
Mod. CP-21/MIX	4205041

Calanders

Calanders

Small manual calanders suitable for the manufacturing of rings and bangles of half-round profile and round or oval shape.

Heavy type

With three working rolls and guideline for the sheet. Suitable for shaping flat circles.

Description	Code
Heavy type	1223110



Light type

Calander with 3 working rolls, ideal to shape flat rings.

Description	Code
Light type	1223120



With drawing die

Manual calander for earrings and bangles without edge, complete with equipment (3÷12 mm) and drawing die.

Description	Code
Calander - with accessories and drawing die	1223410
Calander - without drawing die	1223412



For bangles

Manual calander complete with drawing die, for bangles with 3 to 10 mm edge.

Description	Code
Calander model 47/B1	1223300
4 mm drawing die	2223310
Pair of rolls, 4 mm	2223311





Calander equipment

With draw plate

Equipment complete with draw plate for 0.20 mm plate, from 3-4-5-6-7-8-9-10-12 mm.

Middle sizes available upon request.

Description	Code
Spare equipment	2223410



Without draw plate

0.20 mm equipment, from 3-4-5-6-7-8-9-10-12 mm.

Middle sizes available upon request.

Description	Code
Spare equipment - without die plate	2223412

Shearing equipment

Cutter sets

For disc percussion cutting. To be used with a hammer or hydraulic press.

Set on rectangular base

from mm	to mm	Code
19	24	4204210
25	30	4204202
31	36	4204204



Set on round base

from mm	to mm	Code
2	12	4204190
2	18	4204200



Draw bench

Manual draw benches equipped with handle and hook.
60 cm bench: dimensions 120x52x92h cm; weight 50 kg.
120 cm bench: dimensions 180x52x92h cm; weight 60 kg.

Useful cm		Length cm	Code
60	Drawing bench	120	1217105
120	Drawing bench	180	1217110



Accessories

Description	Code
Ring with hook	2217101
Tongs for wire drawing, HSS tips	2217105
Tongs for hand drawing	4220450





Clips machine

Manual machine very easy to use to create clips. It comes without tools - available separately.

Description	Code
Clips machine	1230020



Clips tools

Manual tool for clips-making.

Wire ø mm	Code
1.25	1230021
1.35	1230024



Equalizer for clips shank

Manual tool to equalize clips shanks after presswork.

Wire ø mm	Code
1.25	1230022
1.35	1230025



Clips punching machine

For clips punching.

Tip ø mm	Code
0.60	1230023
0.80	1230026

Presses

Cutter for earring clip die

This cutter can work with 2 marking punches at the same time, one for the title and one for the manufacturer's trade mark. The standard plate thickness is 0.20 mm. The machine can be used with a flypress or with a motorized eccentric press. The central hole of the clip is made following the diameter of the pin wire, which is normally 0.8-0.9 mm.

With eccentric press, the standard production is about 150-200 pcs per minute.

· Dimensions: 155x125x115h.

· Weight: 12 kg.

Clip design: upon request.

Please note: the price might change depending on specific customer's request. Please ask for quotation.

Description	Code
Earring clip die cutter	2410010



Device for pins

Manual machine to create rolled pins of 0.8 or 0.9 mm diameter.

Description	Code
Tool for pins	1230205





Rolling mill, plate undulating

This rolling mill is equipped with 4 rolls of 0.4, 0.5, 0.6 e 0.7 mm. Available with or without base.

Description	Code
Ondulating plate rolling mill, without base	1202050
Ondulating plate rolling mill, with base	1202060



Rolling mill, flattening wire

This cast-iron rolling mill is supplied with one pair of flat rolls tempered and grinded diam. 36x16 mm and spare soft roll.

Overall dimensions: 120x120x230h mm.

Weight: 7 kg.

Description	Code
Wire flattening rolling mill, 36x16 mm	1202110



Rolling mills, manual bench

Hand rolling mills projected with the maximum attention with the purpose to get a product from the sure reliability. The cylinders are built in special steel, which guarantees 64 Hrc of hardness up to the "heart" of the cylinder assuring exceptional resistance to the usury and the compression. Some models feature a reduction gear 1:4 ratio which allows to effect notable passages of rolling reducing to the minimum the applied strength.

Plate rolling mills

With reduction gear.

100 mm rolling mill: dimensions 32x16x38h cm; weight 30 kg.

120 mm rolling mill: dimensions 36x16x42h cm; weight 38 kg.

Description	Code
Plate rolling mill, 100 mm	1201110
Plate rolling mill, 120 mm	1201120



Wire/plate rolling mills, P type

With gear reduction.

90 mm rolling mill: dimensions 25x12x26h cm; weight 15,3 kg.

110 mm rolling mill: dimensions 28x13x28h cm; weight 19,8 kg.

130 mm rolling mill: dimensions 31x13x29h cm; weight 24,3 kg.

Wire ø mm		Plate width mm	Code
1.00-5.00	Full combination rolling mill, 90 mm	38	1201050
1.00-4.00	Full combination rolling mill, 110 mm	48	1201060
1.00-5.00	Full combination rolling mill, 130 mm	57	1201070

Manual rolling mills

Wire/plate rolling mills

With reduction gear.
100 mm rolling mill: dimensions 32x16x38h cm; weight 30 kg.
120 mm rolling mill: dimensions 36x16x42h cm; weight 38 kg.

Wire ø mm		Plate width mm	Code
1.00-4.50	Plate/wire rolling mill, 100 mm	50	1201300
1.00-6.00	Plate-wire rolling mill, 120 mm	62	1201310



Wire rolling mills

100 mm rolling mill: dimensions 28x16x38h cm; weight 25 kg.
120 mm rolling mill: dimensions 32x16x42h cm; weight 33 kg.

	Wire ø mm	Code
Wire rolling mill, 100 mm	1.00-6.50	1201470
Wire rolling mill, 120 mm	1.00-8.00	1201480



Stand for rolling mill

Universal column for rolling mills; possibility to set up 1 or 2 rolling mills.
Dimensions 48x22x86h cm, weight 20 kg.

Description	Code
Column for rolling mills	2201555





Rolling mills, motorized

These rolling mills have been projected with the maximum attention, with the purpose to get a product from the sure reliability to also satisfy the most exacting goldsmith. The cylinders are realized in special steel, which guarantees 64 Hrc of hardness up to the "heart" of the cylinder assuring an exceptional resistance to the usury and the compression. The structure and the base are built to high strength cast-iron conferring the machine an elevated degree of ruggedness. They are available with or without variable speed device.

Voltage: 380V.

Electric Motor Power: Single Phase: HP 2; Three Phase HP 1,5.

Roller designs: upon request.

Single motorized rolling mills - without inverter

Dimensions: 43x35x53h cm. Weight: 80 kg ca.

Description	Code
Single rolling mill, plate 120 mm	1203400
Single rolling mill, wire 120 mm	1203405
Single rolling mill, plate/wire 120 mm	1203410



Single motorized rolling mills - with inverter

Description	Code
Single rolling mill, plate 120 mm	1203420
Single rolling mill, wire 120 mm	1203425
Single rolling mill, plate/wire 120 mm	1203430



Double motorized rolling mills - without inverter

Dimensions: 68x35x53h cm. Weight: 105 kg circa.

Description	Code
Double rolling mill, wire 100 mm	1204510
Double rolling mill, wire-plate 120 mm	1204520

Double motorized rolling mills - with inverter

Dimensions: 68x35x53h cm. Weight: 105 kg ca.

Description	Code
Double rolling mill, wire-plate 100 mm	1204519
Double rolling mill, wire-plate 120 mm	1204522

Motorized rolling mills

Motorized rolling mill

This rolling mill has been set up on a very rigid monolithic structure enabling the application of heavy loads. The cylinders are realized in special steel, which guarantees 64 Hrc of hardness up to the heart of the cylinder assuring an exceptional resistance to the usury and the compression. Helical bevel gearboxes are supplied with three stages of reduction. All gears are made of steel previously casehardened, hardened and rectified to improve efficiency and quietness even under load.

- Power: 2 HP
- Voltage: 220V
- Max. plate thickness: 16 mm
- Weight: 238 kg.

Description	Code
Double rolling mill plate-wire 120 mm mod. Power	1204523





Drawing machine, manual

Overall dimensions: 320x250x180h mm.

Weight: 16 kg.

Description	Code
Manual wire drawing machine	1215100



Drawing machine, motorized

1-pass drawing machine. Wire drawing speed variable from 30 to 55 meters per minute. Maximum diameter of the drawn wire: 2 mm.

· Overall dimensions: 440x480x220h mm.

· Weight: 60 kg.

· Voltage: 220V.

· Power: 0,35 HP.

Description	Code
One pass motorized drawing machine	1216100

Drawplates

Drawplates, widia

Round-holes drawplates featuring smoothly machined tungsten carbide inserts; they are highly wear-resistant and provide the smoothest-possible pull.

Type	from	to	Number of Holes	Code
F/22	1.25	0.20	22	4202010
F/20	2.20	1.25	20	4202020
F/16	3.00	2.00	16	4202025



Drawing dies, widia, on round support

Please note: each code indicates the diameter range. Please specify the diameter required when ordering.

Example: widia drawing die diam. 0.75 mm= code 420201#00,75.

Round, size 1

Support diameter: 28 mm, die diameter from 0.20 to 3.00 mm, pitch 0.05 mm.

Descrizione	Codice
Round drawing die, size 1	420201#0,20-3,00
Round drawing die, size 1	420201#centesimal



Round, size 2

Support diameter: 43 mm, die diameter from 0.50 to 5.30 mm, pitch 0.05 mm.

Descrizione	Codice
Round drawing die, size 2	420202#0,50-3,40
Round drawing die, size 2	420202#3,41-5,30



Round, size 3

Support diameter: 43 mm, die diameter from 5.31 to 9.99 mm, pitch 0.05 mm.

Descrizione	Codice
Round drawing die, size 3	420203#5,31-6,60
Round drawing die, size 3	420203#6,61-8,00
Round drawing die, size 3	420203#8,01-9,99



Round, size 4

Support diameter: 53 mm, die diameter from 10 to 17.95 mm, pitch 0.05 mm.

Descrizione	Codice
Round drawing die, size 4	420204#10,00-11,50
Round drawing die, size 4	420204#11,51-12,99
Round drawing die, size 4	420204#13,00-13,99
Round drawing die, size 4	420204#14,00-15,49
Round drawing die, size 4	420204#15,50-16,99
Round drawing die, size 4	420204#17,00-17,99



Square, size 1

Support diameter: 28 mm, die side from 0.50 to 2.00 mm, pitch 0.05 mm.

Descrizione	Codice
Square drawing die, size 1	420210#0,50-1,20
Square drawing die, size 1	420210#1,21-2,00

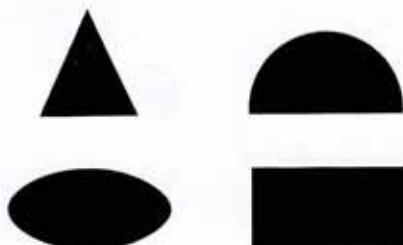




Square, size 2

Support diameter: 43 mm, die side from 1.21 to 3.95 mm, pitch 0.05 mm.

Descrizione	Codice
Square drawing die, size 2	420211#1,21-2,30
Square drawing die, size 2	420211#2,31-3,20
Square drawing die, size 2	420211#3,21-3,99



Shaped

Shaped drawing dies (oval, half-round, triangular and rectangular) available upon special request.

Please specify dimensions and shaped desired when ordering.

Larger side dim. mm	Code
0.50 - 1.20	4202140
1.21 - 2.00	4202141
2.01 - 3.00	4202142
3.01 - 3.99	4202143
4.00 - 5.00	4202144
5.01 - 6.29	4202145
6.30 - 7.49	4202146
7.50 - 8.89	4202147
8.90 - 10.00	4202148



Drawing dies, carbide helicoidal

Drawing dies with rotation to the left or to the right. Measures from 3 to 12 mm - pitch 0.5 mm.

Please specify dimensions and rotation desired when ordering.

Square

Model	from mm	to mm	Code
EP10	3	5.50	4202300
EG10	6	12	4202301



Square chamfered

Model	from mm	to mm	Code
EP109	3	5.50	4202302
EG109	6	12	4202303



Hexagonal

Model	from mm	to mm	Code
EP491	3	5.50	4202304
EG491	6	12	4202305



Octagonal

Model	from mm	to mm	Code
EP489	3	5.50	4202306
EG489	6	12	4202307

Drawplates

5 slots

Model	from mm	to mm	Code
EP474	3	5.50	4202308
EG474	6	12	4202309



6 slots

Model	from mm	to mm	Code
EP475	3	5.50	4202310
EG475	6	12	4202311



8 slots

Model	from mm	to mm	Code
EP476	3	5.50	4202312
EG476	6	12	4202313



10 slots

Model	from mm	to mm	Code
EP471	3	5.50	4202314
EG471	6	12	4202315



12 slots

Model	from mm	to mm	Code
EP468	3	5.50	4202316
EG468	6	12	4202317



1000 slots

Model	from mm	to mm	Code
EP1000R	3	5.50	4202318
EG1000R	6	12	4202319





3 petals

Model	from mm	to mm	Code
EP150	3	5.50	4202320
EG150	6	12	4202321



4 petals

Model	from mm	to mm	Code
EP114	3	5.50	4202322
EG114	6	12	4202323



5 petals

Model	from mm	to mm	Code
EP482	3	5.50	4202324
EG482	6	12	4202325



6 petals

Model	from mm	to mm	Code
EP479	3	5.50	4202326
EG479	6	12	4202327



8 petals

Model	from mm	to mm	Code
EP470	3	5.50	4202328
EG470	6	12	4202329



10 petals

Model	from mm	to mm	Code
EP510	3	5.50	4202330
EG510	6	12	4202331

Drawplates

12 petals

Model	from mm	to mm	Code
EP472	3	5.50	4202332
EG472	6	12	4202333



Drawing die base

Steel base for rotating drawing dies.

Description	Code
Base for rotating drawing die	2224504



Drawing die, adjustable

Square/rectangular drawing die with widia blocks.

Description	Code
Adjustable die from 0 to 10x10 mm	4202060
4 spare widia blocks	4202061



Drawplates, steel

Multiple holes drawplates. Other shapes here not shown are available upon request.

Round holes

Type	from	to	Number of Holes	Code
1/I	1	F	20	4201001
1/H	2	F	31	4201002
1/G	3	0.5	31	4201003
1/F	5	2	31	4201004
1/E	5	3	20	4201005
1/D	6	3	31	4201006
1/C	8	5	31	4201007
1/-	9	6	31	4201008
1/B	10	8	20	4201009
1/A	12	10	20	4201010
1/K	12	9	31	4201017
1/M	3	1	20	4201020



Half-round holes (33%) - SP 67

Type	from	to	Number of Holes	Code
2/H	12 x 3.96	9 x 2.97	31	4201103
2/I	9 x 2.97	6 x 1.98	31	4201102
2/L	6 x 1.98	3 x 0.99	31	4201101
2/M	3 x 0.99	1 x 0.33	20	4201100

33%



50%



Half-round holes (50%) - SP 68

Type	from	to	Number of Holes	Code
2/D	12 x 6.00	9 x 4.50	31	4201133
2/E	9 x 4.50	6 x 3.00	31	4201132
2/F	6 x 3.00	3 x 1.50	31	4201131
2/G	3 x 1.50	1 x 0.50	20	4201130

60%



Half-round holes (60%) - SP 69

Type	from	to	Number of Holes	Code
2	12 x 7.20	9 x 5.40	31	4201164
2/A	9 x 5.40	6 x 3.60	31	4201163
2/B	6 x 3.60	3 x 1.80	31	4201161
2/C	3 x 1.80	1 x 0.60	20	4201160

40%



Oval holes (40%) - SP 105

Type	from	to	Number of Holes	Code
A	12 x 4.80	9 x 3.60	31	4201268
B	9 x 3.60	6 x 2.40	31	4201267
C	6 x 2.40	3 x 1.20	31	4201266
F	3 x 1.20	1 x 0.40	20	4201265

55%



Oval holes (55%) - SP 104

Type	from mm	to mm	Number of Holes	Code
4/H	12 x 6.60	9 x 4.95	31	4201263
4/I	9 x 4.95	6 x 3.30	31	4201262
4/L	6 x 3.30	3 x 1.65	31	4201261
4/M	3 x 1.65	1 x 0.55	20	4201260

75%



Oval holes (75%) - SP 103

Type	from mm	to mm	Number of Holes	Code
4	12 x 9	9 x 6.75	31	4201253
4/A	9 x 6.75	6 x 4.50	31	4201252
4/B	6 x 4.50	3 x 2.25	31	4201251
4/C	3 x 2.25	1 x 0.75	20	4201250

38%



Sharp oval holes (38%) - SP 314

Type	from	to	Number of Holes	Code
4/D	12 x 4.56	9 x 3.42	31	4201273
4/E	9 x 3.42	6 x 2.28	31	4201272
4/F	6 x 2.28	3 x 1.14	31	4201271
4/G	3 x 1.14	1 x 0.38	20	4201270

Sharp oval holes (72%) - SP 292

Type	from	to	Number of Holes	Code
3	12 x 8.64	9 x 6.48	31	4201293
3/A	9 x 6.48	6 x 4.32	31	4201292
3/B	6 x 4.32	3 x 2.16	31	4201291
3/C	3 x 2.16	1 x 0.72	20	4201290

72%



Square holes

Type	from	to	Number of Holes	Code
5/A	10	8	20	4201059
5/B	9	6	31	4201058
5/C	8	5	31	4201057
5/K	12	9	31	4201056
5/D	6	3	31	4201055
5/E	5	3	20	4201054
5/F	5	2	31	4201053
5/G	3	1	20	4201052
5/H	3	0.5	31	4201051
5/I	2	F	20	4201050



Rectangular holes (50%) - SP 175

Type	from	to	Number of Holes	Code
6	12 x 6.00	9 x 4.50	31	4201203
6/A	9 x 4.50	6 x 3.00	31	4201202
6/B	6 x 3.00	3 x 1.50	31	4201201
6/C	3 x 1.50	1 x 0.50	20	4201200

50%



Triangular holes (87%) - SP 139

Type	from	to	Number of Holes	Code
7/A	9 x 7.83	6 x 5.22	31	4201283
7/B	6 x 5.22	3 x 2.61	31	4201282
7/D	3 x 2.61	1 x 0.435	31	4201281
7/C	3 x 2.61	1 x 0.87	20	4201280

87%



Hexagonal holes - SP 491

Type	from	to	Number of Holes	Code
7/E	9	6.31	31	4201302
7/F	6	3.31	31	4201301
7/G	3	1.20	20	4201300



Octagonal holes - SP 489

Type	from	to	Number of Holes	Code
7/H	12	9.31	31	4201313
7/I	9	6.31	31	4201312
7/L	6	3.31	31	4201311
7/M	3	1.20	20	4201310





14 slots holes - SP 462

Type	from	to	Number of Holes	Code
7/D/14	9	6.31	31	4201322
7/P/14	6	3.31	31	4201321
7/Q/14	3	1.20	20	4201320



Drawing die, diamond

Round diamond drawing die on support. Dimensions of the brass support: 28x8 mm.
Pitch: 0.0001 mm.

Please specify the diameter required when ordering.

Shaped diamond drawing dies: upon request.

from mm	to mm	Code
0.0400	0.05	4203097
0.0501	0.07	4203098
0.0701	0.10	4203099
0.1100	0.20	4203100
0.2010	0.30	4203101
0.3010	0.40	4203102
0.4010	0.50	4203103
0.5010	0.60	4203104
0.6010	0.70	4203105
0.7010	0.80	4203106
0.8010	0.90	4203107
0.9010	1.00	4203108



Drawing dies, tungsten carbide

Drawing dies on support. Support dimensions: 28x8 mm.

Other diameters available upon request.

ø mm	Code
1.00	4203440
1.05	4203445
1.10	4203450
1.15	4203455
1.20	4203460
1.25	4203465
1.30	4203470
1.35	4203475
1.40	4203480
1.45	4203485
1.50	4203490
1.60	4203492
1.65	4203493
1.70	4203494
1.80	4203496
1.90	4203498
2.00	4203500
2.10	4203510
2.20	4203520

Hammering machines

Hammering machine

This machine is suitable to give a conical shape, for knurling to prepare rope wire, for needles sharpening to be applied to pins etc.

The bosses are interchangeable and can be easily replaced.

The motor is settled in the base of the machine and works with right and left rotation, controlled by a switch.

- Wire diameter: 0.20-2.00 mm.
- Shaft rotation: 1100 rpm.
- Strokes per minute: 5000 ca.
- Volt 380/50 three-phase.

Description	Code
Hammering machine mod. 390	1220100



Bosses

Description	Code
Spare bosses for wire pointing - couple	2220100
Spare bosses for wire knurling - couple	2220101





Clamps

Mod. 786

Wooden clamp with lower rod.

Description	Code
Wooden clamp mod. 786	4209108



Mod. 913

Clamp with leather jaws and brass nut.

Description	Code
Clamp mod. 913	4209109



Mod. 245

Aluminium adjustable clamp for engraving.

Description	Code
Adjustable holder	4209175



Mod. 1082

Clamp made of aluminium for inside ring engraving.

Description	Code
Clamp mod. 1082	4209205



Clamp, expander for rings

This clamp comes with 9 plastic inserts (from 2 to 22), very useful to hold rings of different sizes during stone setting, polishing and engraving. With wooden box.

Description	Code
Ring clamp with 9 collets	4209202



Clamps, for tools

Mushroom head

Wooden tool clamp with two collets (0-3 mm).

Description	Code
Swiss clamp	4209615
Basic clamp	4209610



Round head

With wooden handle.

Description	Code
Rounded clamp	4209660

Vises and clamps

Swivelling wooden head

Round wooden clamp, with 3 mm chuck.

Description	Code
Swivel head pin tong	4209620



Swivelling plastic head

Rotating pin tong with plastic handle and 5 collets.

Description	Code
Pin tong mod. 324	4209608



Swivelling steel head

Rotating stainless steel clamp with 2 collets. 95 mm long.

Description	Code
Pin tong mod. 333	4209135



Double head clamps

Brass or steel clamps with double head.

Model	Length mm	Code
335	90	4209665
327	100	4209862
328	110	4209666



For broaches

Brass clamps with double collet.

Length mm	Code
70	4209800
80	4209802
90	4209803
100	4209804
110	4209805
120	4209806
140	4209810



Vises and clamps



Set of clamps

Made of brass, it includes 6 pieces from 70 to 120 mm. In wooden cabinet.

Description	Code
Set of brass pin tongs	4209830



Broaches, five-edged

Use a broach like a hand-twist file to enlarge and align holes before using your tap and die.

Broaches - with plastic-covered handles

ø mm	Code
0.30	420991#D.0,3
0.40	420991#D.0,4
0.50	420991#D.0,5
0.60	420991#D.0,6
0.70	420991#D.0,7
0.80	420991#D.0,8
0.90	420991#D.0,9
1.00	420991#D.1,0
1.10	420991#D.1,1
1.20	420991#D.1,2
1.30	420991#D.1,3
1.40	420991#D.1,4
1.50	420991#D.1,5
1.60	420991#D.1,6
1.70	420991#D.1,7
1.80	420991#D.1,8
1.90	420991#D.1,9
2.00	420991#D.2,0
2.25	420991#D2,25
2.50	420991#D.2,5
2.75	420991#D2,75
3.00	420991#D.3,0

Vises and clamps

Broaches - with stainless steel handles

a mm	Code
0.30	420990#D.0.3
0.40	420990#D.0.4
0.50	420990#D.0.5
0.60	420990#D.0.6
0.70	420990#D.0.7
0.80	420990#D.0.8
0.90	420990#D.0.9
1.00	420990#D.1.0
1.10	420990#D.1.1
1.20	420990#D.1.2
1.30	420990#D.1.3
1.40	420990#D.1.4
1.50	420990#D.1.5
1.60	420990#D.1.6
1.70	420990#D.1.7
1.80	420990#D.1.8
1.90	420990#D.1.9
2.00	420990#D.2.0
2.25	420990#D2.25
2.50	420990#D.2.5
2.75	420990#D2.75
3.00	420990#D.3.0



Broaches, set

Description	Code
Set of 12 broaches with handle	4209900
Set of 6 broaches with plastic handle	4209905



Cotter pin clamps

Length: 115 mm.

	Jaws lenght mm	Code
Clamp mod. 171.09	8	4209055
Clamp economy type	8	4209355
Clamp mod. 171.08	15	4209050





Hinge cutters

Description	Code
Italian type	4209720
Swiss type	4209740
Basic type	4209728



Clamps, iron

With lock

Iron clamps with large jaws, lock and ring.

Length mm	Code
140	4209318
160	4209320



Mod. 830

Iron clamp with wooden handle and nut closing. Length: 100 mm.

Description	Code
Mod. 830	4209670



With screw

Manual iron clamps with nut and screw.

Jaws length mm	Length mm	Code
36	100	4209500
40	120	4209504
42	140	4209505
48	160	4209501



Vise, for watchmakers

Bench type vise for watchmakers, jaws 40 mm wide.

Description	Code
Table vice for watchmakers	4208252

Vises and clamps

Vises

Stainless steel vises to be fixed on your workbench.

Description	Code
Mod. A70/-85	4208205
Mod. A70/-100	4208208
Mod. A70/-120	4208210



Punching machines

Punching machine

This machine has the following important features: thanks to the pressure bar effect, deformations of the material are avoided; maximum precision; regular marking depth also on pieces with high tolerance; easy access to pieces of any shape thanks to the large opening; possibility of matching with symbols, cliché and counters.

- Adjustable power: 500 kg
- Opening: 0-260 mm
- Gear stroke: 30 mm
- Useful stroke: 22 mm
- Weight: 10 kg

Description	Code
Bench type punching machine - type MB 15	1445120
Base for internal ring punching	2445205
Base for external ring punching	2445206





800

Marking stamps, straight

Straight stamps available in 3 sizes:

#1: 0.6x1.5;

#2: 0.9x2.3 mm;

#3: 1.2x3 mm.

Upon request bent version is available.

Silver (AG) punches - 800 kt

Size	Code
1	442901#AG.800G1
2	442901#AG.800G2
3	442901#AG.800G3

925

Silver (AG) punches - 925 kt

Size	Code
1	442901#AG.925G1
2	442901#AG.925G2
3	442901#AG.925G3

375

Gold (AU) punches - 375 kt

Size	Code
1	442901#AU.375G1
2	442901#AU.375G2
3	442901#AU.375G3

9kt

Gold (AU) punches - 9 kt

Size	Code
1	442901#AU.9KTG1
2	442901#AU.9KTG2
3	442901#AU.9KTG3

585

Gold (AU) punches - 585 kt

Size	Code
1	442901#AU.585G1
2	442901#AU.585G2
3	442901#AU.585G3

14kt

Gold (AU) punches - 14 kt

Size	Code
1	442901#AU14KTG1
2	442901#AU14KTG2
3	442901#AU14KTG3

750

Gold (AU) punches - 750 kt

Size	Code
1	442901#AU.750G1
2	442901#AU.750G2
3	442901#AU.750G3

18kt

Gold (AU) punches - 18 kt

Size	Code
1	442901#AU18KTG1
2	442901#AU18KTG2
3	442901#AU18KTG3

Punches

Gold (AU) punches - 8 kt

Size	Code
1	442901#AU.8KTG1
2	442901#AU.8KTG2
3	442901#AU.8KTG3



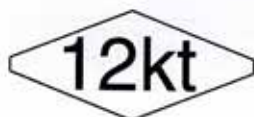
Gold (AU) punches - 10 kt

Size	Code
1	442901#AU10KTG1
2	442901#AU10KTG2
3	442901#AU10KTG3



Gold (AU) punches - 12 kt

Size	Code
1	442901#AU12KTG1
2	442901#AU12KTG2
3	442901#AU12KTG3



Gold (AU) punches - 21 kt

Size	Code
1	442901#AU21KTG1
2	442901#AU21KTG2
3	442901#AU21KTG3



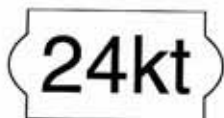
Gold (AU) punches - 22 kt

Size	Code
1	442901#AU22KTG1
2	442901#AU22KTG2
3	442901#AU22KTG3



Gold (AU) punches - 24 kt

Size	Code
1	442901#AU24KTG1
2	442901#AU24KTG2
3	442901#AU24KTG3



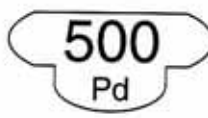
ITALY punches

Size	Code
1	442901#ITALY.G1
2	442901#ITALY.G2
3	442901#ITALY.G3

ITALY

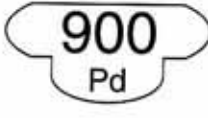
Palladium punches (PD) - 500 kt

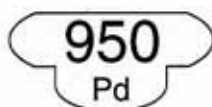
Size	Code
1	442901#PD.500G1
2	442901#PD.500G2
3	442901#PD.500G3



Palladium punches (PD) - 900 kt

Size	Code
1	442901#PD.900G1
2	442901#PD.900G2
3	442901#PD.900G3





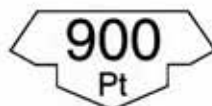
Palladium punches (PD) - 950 kt

Size	Code
1	442901#PD.950G1
2	442901#PD.950G2
3	442901#PD.950G3



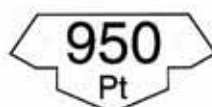
Platinum punches (PT) - 850 kt

Size	Code
1	442901#PT.850G1
2	442901#PT.850G2
3	442901#PT.850G3



Platinum punches (PT) - 900 kt

Size	Code
1	442901#PT.900G1
2	442901#PT.900G2
3	442901#PT.900G3



Platinum punches (PT) - 950 kt

Size	Code
1	442901#PT.950G1
2	442901#PT.950G2
3	442901#PT.950G3

Welding machines

Soldering machines, methylic alcohol

These machines are gas generators fed by distilled water and electric current. They are very useful in gold industry, sunglass industry, dental units, laboratories etc. They differ from other similar machines as the gas generator operates at a pressure rate of 1.5 atm, higher than any other machine, thus avoiding the so-called "fog effect".

1-torch soldering machine

- Electrolytic solution: 1 lt
- Booster alcohol capacity: 0.14 lt
- Gas production: 30 lt/h
- Daily water consumption: 0.275 lt
- Dimensions: 300x310x280 mm
- Weight: 18.7 kg
- Voltage: 220 V

Description	Code
One-torch soldering machine	1225351



2-torch soldering machine

- Electrolytic solution: 2 lt
- Booster alcohol capacity: 0.21 lt
- Gas production: 60 lt/h
- Daily water consumption: 0.55 lt
- Dimensions: 420x340x330 mm
- Weight: 31.7 kg
- Voltage: 220V.

Description	Code
Two-torches soldering machine	1225356



4-torch soldering machine

- Electrolytic solution: 4.4 lt
- Booster alcohol capacity: 0.28 lt
- Gas production: 120 lt/h
- Daily water consumption: 1.1 lt
- Dimensions: 510x380x390 mm
- Weight: 54.2 kg.
- Voltage: 220V.

Description	Code
Four-torches soldering machine	1225361





Welding needles

Soldering needles for torches, cone=5/6.

Unit price. Minimum quantity required: 12 pcs and multiples.

ø mm	Code
0.40	222510#5/6D0,40
0.45	222510#5/6D0,45
0.50	222510#5/6D0,50
0.55	222510#5/6D0,55
0.60	222510#5/6D0,60
0.65	222510#5/6D0,65
0.70	222510#5/6D0,70
0.75	222510#5/6D0,75
0.80	222510#5/6D0,80
0.85	222510#5/6D0,85
0.90	222510#5/6D0,90
0.95	222510#5/6D0,95
1.00	222510#5/6D1,00
1.05	222510#5/6D1,05
1.10	222510#5/6D1,10
1.15	222510#5/6D1,15
1.20	222510#5/6D1,20
1.25	222510#5/6D1,25
1.30	222510#5/6D1,30
1.35	222510#5/6D1,35
1.40	222510#5/6D1,40
1.45	222510#5/6D1,45
1.50	222510#5/6D1,50



Torch holders

Description	Code
Torch holder	2225318
Adjustable torch holder	2225316



Grips

Description	Code
Grip with adjustable shut off	2225320
Grip with button shut off	2225325



Joints

Pair of joint boosters for 1, 2 and 4 torches soldering machine.

Description	Code
Joint	2225310

Welding machines

Filters, for welding machine

Valve filter with 2 O-rings.

Description	Code
Filter for welding machine	2225112



Electrolytic solutions

Solutions for 1- and 4- torch welding machines.

For 2-torch machines, use 2 bottles of 1 lt each.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
1 torch electrolytic solution - 1 lt	2225215
4 torches electrolytic solution - 4.4 lt	2225305



Potassium hydroxide

Solid electrolytic solution for 1-, 2- and 4-torch welding machines.

200 g of this solution are to be diluted in 1 lt. Bags of 1 kilo each.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Potassium hydroxide	4325270



Quark III, welding machine

Quark III is the most complete and efficient soldering unit for micro-welding you can find on the market.

The gas stabilizers and an oxygen-drying filter feed constantly the microtorch thus making it easy for you to regulate the micro flames.

Quark 3 makes you weld leaving no residue at all because the flow of the deoxidizer, which vaporizes autonomously, comes out directly from the flame.

You can connect three microtorches and a standard one at the same time thanks to two arms with four outlets.

Description	Code
Quark III welding machine	1225500
Torch for Quark III	2225500
Rubber hose - red (a meter)	2225520
Rubber hose - blue (a meter)	2225521



Deoxidizer

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Liquid deoxidizer (a liter)	4325260
Solid deoxidizer (a pack)	4325261





Welding needles

Needles for torches, cone 2.

Unit price. Minimum quantity required: 12 pcs and multiples.

ø mm	Code
0.30	222510#2 D0,30
0.35	222510#2 D0,35
0.40	222510#2 D0,40
0.45	222510#2 D0,45
0.50	222510#2 D0,50
0.55	222510#2 D0,55
0.60	222510#2 D0,60
0.65	222510#2 D0,65
0.70	222510#2 D0,70
0.75	222510#2 D0,75
0.80	222510#2 D0,80
0.85	222510#2 D0,85
0.90	222510#2 D0,90
0.95	222510#2 D0,95
1.00	222510#2 D1,00
1.05	222510#2 D1,05
1.10	222510#2 D1,10
1.15	222510#2 D1,15
1.20	222510#2 D1,20
1.25	222510#2 D1,25
1.30	222510#2 D1,30
1.35	222510#2 D1,35
1.40	222510#2 D1,40
1.45	222510#2 D1,45
1.50	222510#2 D1,50
1.80	222510#2 D1,80
2.00	222510#2 D2,00



Spot welder

Indicated to spot tube and hollow tube for furnace welding. Voltage: 220/50, singlephase.

Description	Code
Electronic spot welder mod. RM	1228410
Spare tips	2228395

Deoxidizers

Deoxidizer Gold-Met

Blue deoxidizer for welding. Available in three packings.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Gold-Met - 5 l	4325041
Gold-Met - 11 l	4325042
Gold-Met - 20 l	4325043



Methyl borate

Very powerful deoxidizer for welding machines. Available in three types:

- L type: best used for the manual braze welding with oxygen and hydrogen of precious metals with low oxidability (silver excluded) because it produces few fumes and precipitates.

- D type: medium solution for precious metals

- A type: solution with acetone, which makes the evaporation more balanced and reduces incidental residue. Best used for the braze welding of precious metals (silver excluded).

Available in 10-l tanks. Unit price for 1 l.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Methyl borate - mod. L	4325010
Methyl borate - mod. D	4325011
Methyl borate - mod. A	4325012



Torches, propane gas

Brass torch

Professional handle with brass burner (diam. 17 mm) and hose for propane gas. Burner with different diameters sold separately.



Description	Code
Complete handle diam. 17 mm	4300060
Burner diam. 10 mm	4300065
Burner diam. 15 mm	4300070
Burner diam. 20 mm	4300075

Torch with valve

Heating torch for propane gas with quick valve and 3 interchangeable burners of 22, 30 and 45 mm diameter.



Description	Code
Torch with lever	4300050

Handle - Z type

Gun-shaped handle for propane gas.



Description	Code
Handle - Z type	4301000

Burners - Z type

Propane gas burners with inner cone from 3 to 20 mm diameter.



	Model	Code
Burner - inner cone ø 3 mm	#00	4301001
Burner - inner cone ø 4 mm	#0	4301002
Burner - inner cone ø 6 mm	#1	4301003
Burner - inner cone ø 10 mm	#2	4301004
Heating burner - inner cone ø 14 mm	#3	4301005
Melting burner - inner cone ø 20 mm	#4	4301006

Lance handle - CLA type

Suction air torches exploit also the quantity of oxygen in the air in order to reach higher temperatures.

Two burners for propane gas with 2 and 3 mm diam. inner cone can be bought separately.



Description	Code
Lance-shaped handle	4301100
Burner adjustable - inner cone ø 3 mm	4301101
Burner fixed - inner cone ø 2 mm	4301102



Torch mod. 333/OGA

Torch for goldsmiths with 3 burners and round nut air diam. 12, 14, 17 mm

Description	Code
Torch mod. 333/OGA	4304600

Torches

Torch mod. 334

Heating torch with quick valve and three burners (25, 32, 40 mm diam.).

Description	Code
Torch mod. 334	4304620



Torch mod. 668/MAG

Propane gas torch for small melting with two burners (12 and 16 mm diam.)

Description	Code
Gas/air torch mod. 668-MAG	4304656



Torches, air and propane gas

This blown air torch reaches high temperatures without oxygen bottles. Successfully employed for alloys with melting point lower than 1300 °C.

Description	Code
Air and propane gas torch	4301200
Air and town gas torch	4301220



Torches, suction air - acetylene

These torches have been designed to match very light tools with high calorific power and high temperatures (2000 °C) using gas only.

Acetylene torch

Acetylene torch with 4 tips.

Description	Code
Acetylene torch with 4 tips	4301800



FUPLA torch

Oxygen/methane torch for high temperature melting (e.g. platinum) with 4 copper tips.

Description	Code
FUPLA torch	4301825



Torches, micro

Microtorches are equipped with handle, burners, rubber hose, connections for pressure regulators and a set of spare needles.

- Mod. 10433; microtorch with set of three needles (cone 2). Length 135 mm. Weight 40 g.

- Mod. 10434; microtorch with set of three needles (cone 2) and 3 tips. Length 195 mm. Weight 60 g.

Description	Code
Micro torch - mod. 10433	4301600
Micro torch - mod. 10434	4301602



Torches, methane gas

Torch for goldsmiths

Torch with 1 or 2 taps. It works with methane and blown air, with tap and pilot. Flame temperature: 1100°C.

Description	Code
Torch with 1 tap	4302200
Torch with 2 taps	4302210





Torch for silversmiths

It works with methane and compressed air where larger flames are needed. Burner diameter: 40 mm. Flame temperature: 1300 °C

Description	Code
Torch for silversmiths	4302250



Torch for dental technicians

Torch with interchangeable tips from 25 to 225 lt/h. It works with oxyg methane-propane-acetylene. Perfect for microwelding. Equipped with 6 brass and 5 needles for propane gas and oxygen.

Description	Code
Torch for dental technicians	4302055



Hydrogen torch

Torch with burner, adapter, 6 brass nozzles (diam. 0.25-0.50-0.75-1.00-1.5 and 5 needles 20 mm long (diam. 0.35-0.50-0.60-0.80-0.90 mm).

Description	Code
Hydrogen torch	4302300



Microwelders

Microwelder mod. GT3000

Microwelder with piezoelectric lighting and flame adjusting device. Gas lasting 1 hour. Flame temperature 1300°C. Rechargeable with normal butane gas bottle. Quick valve and 3 burners of 25-32-40 mm.

Description	Code
Microwelder mod. GT3000	4304700
Refill gas container.	4304710



Microwelder mod. 2001

Microwelder with piezoelectric lighting and fixed flame. Flame temperature 1300°C. Rechargeable with normal butane gas bottle.

Description	Code
Microtorch mod. 2001	4304715
Refill gas container.	4304710

Pressure reducers

Pressure reducers

Description	Code
Reducer 6/at for propane gas - with pressure gauge and valve	4307100
Reducer 6/at for propane gas - with pressure gauge	4307300
Reducer for argon	4307550
Reducer for oxygen	4307600



Mixing group

Mixing group with hydrogen/oxygen taps and bracket.

Description	Code
Mixing group	4307662



Safety valves

Pair of anti-return valves for torches for any compressed gas.

Description	Code
Set of security valves	4301612



Rubber hoses

Int. ø mm		Ext. ø mm	Code
8	Double rubber hose - gas	15	4306002
8	Rubber cloth hose - compressed air	17	4306010
13	Rubber cloth hose - methane gas	20	4306015





Aspirator

This bench-type aspirator is ideal to get rid of fumes and powders. Its particularity is the electrostatic filtering system working together with the activated carbon filters placed in the outlet end of the aspirator.

The functioning is simple but effective:

- first, the dirty air is aspired and sent through the adjustable hood,
- second, the particles up to 1 micron are stopped by the electrostatic filter,
- third, the gases get filtered, the already cleaned air is further filtered by the activated carbon, which releases it into the environment.

The fan features 3 different speed levels through remote control (maximum emission 42 db).

Either with 1 or with 2 suction pipes.

- Voltage: 220 V/50 Hz.
- Dimensions: 365x330x280h mm
- Weight: 10 kg

Description	Code
Aspirator with 1 tube	1750200
Aspirator with 2 tubes	1750205

Iron, copper, brass wire

Iron wire

Black annealed iron wire in bobbins of 100 g each. Minimum quantity required: 1 kg and multiples.

	ø mm	Code
# 8	0.55	4310005
# 10	0.52	4310010
# 12	0.48	4310015
# 14	0.44	4310020
# 16	0.40	4310025
# 18	0.36	4310030
# 20	0.32	4310035
# 22	0.28	4310040
# 24	0.24	4310045
# 26	0.22	4310050
# 28	0.20	4310055
# 30	0.18	4310060



Copper wire

Copper wire in bobbins of approx. 1 kg each.

ø mm	Code
0.35	4312035
0.40	4312040
0.45	4312045
0.50	4312050
0.60	4312060
0.70	4312070
0.80	4312080
0.90	4312090
1.00	4312100



Brass wire

Brass wire in bobbins of approx. 5 kg each. Price by the kilo.

ø mm	Code
0.30	4314030
0.35	4314035
0.40	4314040
0.45	4314045
0.50	4314050
0.60	4314060
0.70	4314070
0.80	4314080
0.90	4314090
1.00	4314100



Soldering products

Borax cone

Deoxidizer for soldering in 140 g cone.

Description	Code
Borax cone	4308005



Borax container

Ceramic square container to be used with the borax cone.

Description	Code
Borax container	4308510



Unisan powder

Special soldering powder for gold and silver in 1 kg container.
200 g for 500 cc of water.

Description	Code
Unisan - 1 kg	4308011



Soldering powder

In silver powder.

Description	Code	
Soft soldering	LBAU19PM	Ask
Hard soldering	LBAU21PM	Ask



Deoxidizers

Description	Code
Powder for silver Flux 4 - 1 kg	4308065
Castolin paste - 250 g	4308071
Flux Solder - 1 lt	4308112

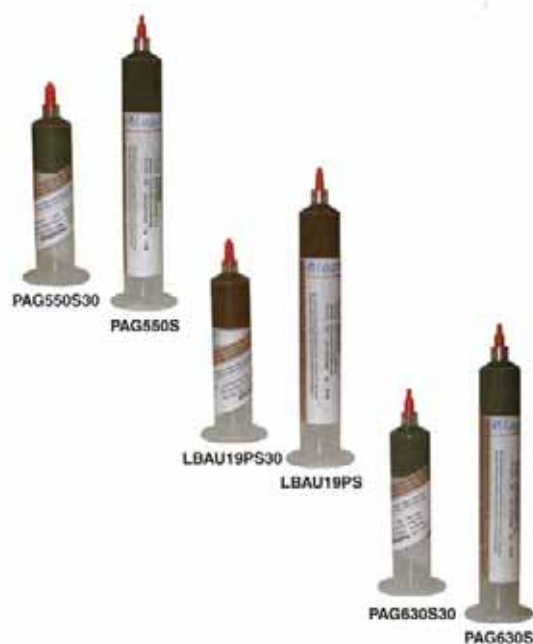


Soldering wire, silver

Silver soldering cadmium-free wire in 0.70 mm diam. sticks.

Description	Code	
Soft soldering	LBA21-0,7	Ask
Medium soldering	LBA19-0,7	Ask
Strong soldering	LBA15-0,7	Ask





Soldering paste, for silver

High fluidity

Soldering paste with melting temperature at 660°C.
In 30 g or 100 g syringes.

Description	Code
LBAU19PS30 - 30 g	LBAU19PS30
LBAU19PS - 100 g	LBAU19PS

Medium fluidity

Soldering paste with melting temperature 660°C.
In 30 g or 100 g syringes.

Description	Code
PAG550S30 - 30 g	PAG550S30
PAG550S - 100 g	PAG550S

Low fluidity

Soldering paste with melting temperature 730°C.
In 30 g or 100 g syringes.

Description	Code
PAG630S30 - 30 g	PAG630S30
PAG630S - 100 g	PAG630S



Soldering pastes, for gold

High fluidity soldering pastes for torch or belt furnace in 10 g syringes.
Medium or low fluidity pastes can be available on demand.

Paste for 9 kt gold

Beginning fluidity point 743°C.

Description	Code
9 kt paste for torch	CIF9KYSC1
9 kt paste for furnace	CIF9KYSF1

Paste for 14 kt gold

Beginning fluidity point 696°C.

Description	Code
14 kt paste for torch	CIF14KYSC1
14 kt paste for furnace	CIF14KYSF1

Paste for 18 kt gold

Beginning fluidity point 738°C.

Description	Code
18 kt paste for torch	CIF18KYSC1
18 kt paste for furnace	CIF18KYSF1

Soldering surfaces

Ceramic pads

Durable and smooth pads to protect work areas while soldering. Available in different sizes. Thickness 14 mm.

Dimensions mm	Code
190x290	4320205
250x250	4320208
250x300	4320209
250x350	4320206
297x380	4320210
350x500	4320211
500x500	4320217
600x500	4320212



Monolux pads

Silicate calcium pad for soldering. Thickness 12.7 mm.

Dimensions mm	Code
110x250	4320488
200x250	4320491
200x300	4320490
500x500	4320498



Vermiculite pads

This mineral is first baked, then it expands and can be used as natural insulating material thanks to its mechanical and physical features.

Dimensions mm	Code
100x70x30	4320108
330x220x15	4320106



Pads, perforated

Ceramic perforated pad for soldering

Dimensions mm	Code
135x95x13	4320511
200x140x14	4320510



Porosite blocks

Blocks in red porous material.

Dimensions mm	Code
220x110x30	4320485
220x110x60	4320480



Soldering surfaces



Charcoal blocks

These charcoal blocks with hard surface can transmit heat to the workpiece which lets you get soldering and melting quicker and cleaner.

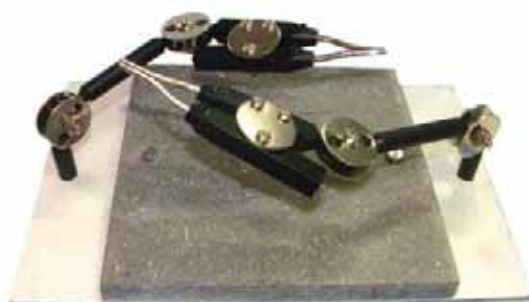
Dimensions mm	Code
140x70x30	4320452
200x140x30	4320455
ø 150x30	4320316



Pad, rotating

Bearing base in cast iron and working surface in coal (150 mm diam.). With two flexible arms and adjustable tweezers clamps that can be positioned at any angle.

Description	Code
Soldering base	4320315



Third hand soldering station, double

Pad with two spring guns to hold safely your workpiece above the board (dimensions 150x150 mm).

Description	Code
Station with 2 clamps	4320340



Soldering station

Stable base with heat-resistant board.

It is equipped with:

- two flexible arms and adjustable tweezers clamps,
- torch holder and two containers for liquid material.

Dimensions: 220x330 mm.

Description	Code
Base with 2 clamps, 220x330 mm	4320350



Soldering stands

Ring stand with ceramic mandrel

It keeps rings fastened for soldering on its heat-resistant ceramic mandrel.

Description	Code
Ring stand with ceramic mandrel	4320532
Spare mandrel	4320531

Soldering surfaces

Double-clamp stand

Stand for soldering with one arm and two clamps.

Description	Code
Double clamp stand with 1 arm	4235500



Magnetic stand

This single magnetic stand allows you to rotate the clamp as you wish keeping your workpiece fastened.

Description	Code
Single magnetic base	4235520





Annealing muffle furnaces

these furnaces can be used to anneal noble metals and their alloys. The structure is made of steel and the thermal insulation coming from ceramic fibers grants minimum heat loss and maximum energy saving.

The silicon carbide muffle (removable from the back of the furnace) is made of one-cast refractory material to achieve a high degree in thermal-stress resistance.

The door with lateral and easy opening has been designed with a special device able to stop the electric feed once it is opened.

The temperature is electronically visualized by a digital regulator. The fumes are cleared in the back of the furnace.

Available in two models: ME 320 (220V and 380V) and ME 520 (380V).

Mod. ME 320

- Internal dimensions: 210x320x145h mm
- External dimensions: 500x750x650h mm
- Weight: 65 kg
- Power consumption: 3.5 kW

Description	Code
ME 320 muffle furnace - 220V	1111020
ME 320 muffle furnace - 380V	1111021

Mod. ME 520

- Internal dimensions: 210x520x145h mm
- Overall dimensions: 500x850x650h mm
- Weight: 90 kg
- Power consumption: 5 KW.

Description	Code
ME 520 muffle furnace - 380V	1111031



Copper pot

Copper pot with lid for wire annealing.

	Dimensions mm	Code
Copper pot	200x90	4211260



Copper plate

For annealing. Dimensions 500x0.10 mm. Price by the kilo.

Description	Code	
Copper plate	CU0.1X500	As

Pickling tanks

Pickling tanks

Pickling tanks are made in 316 stainless steel. They are ideal to pickle precious metals in a safe and effective way.

Neither fume hoods nor muzzle needed: these pickling tanks are equipped with a basket where the items are placed and then dipped into the pickling solution. The bath is heated by a controlled thermostat with fixed temperature (65°C) - except for the model 10,5E which has an adjustable thermostat (from 0°C to 90°C).

Available in 1.5, 3.5 and 10.5 lt models.

Description	Code
Pickling tank 1.5 lt	1705303
Pickling tank 3.5 lt	1705304
Pickling tank 10.5 lt	1705310



Bleaching plants

Moplen bleaching plant

This plant consists of:

- PP tank for acid or pickling liquid with heating, thermostat, fume aspirating container, safety level switch and stainless-steel lid. Working dimensions: 23x25x25h cm;
- PP tank with three rinsing sections, each section has an exhaust valve. Working dimensions for each section: 30x25x34h cm;
- PP antiacid aspirating unit;
- Electric control panel.

Overall dimensions: 120x60x125h cm.

Voltage: 220/50Hz single-phase.

Description	Code
Moplen bleaching plant	1705285



Steel bleaching plant

This plant consists of:

- titanium tank for acid or pickling liquid with heating, thermostat, fume aspirating container, safety level switch and stainless-steel lid.
- PVC tank with three rinsing sections, each section has an exhaust valve;
- Fume purification system composed of a tank to collect the alkaline solution, antiacid washing pump, washing sections with filling materials, package of drop separators and centrifugal electrofan in PP;
- Electric control panel.

Voltage: 220V/50Hz single-phase.

Description	Code
Steel bleaching plant	1705281



Bleaching powders

Bleaching powders to be diluted with water (ratio 5-6%).

Minimum quantity: 25 kg and multiples. Unit price.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Pink Radial D/2	4581110
BS/17 white	4581100



Pickling tanks



Cleancast pickling agent

Cleancast pickling agent for investment.

Description	Code
Cleancast - 5 lt can	4581235
Cleancast - 25 lt can	4581225



Tuto pickling agent

Pickling agent for gold and silver. 0.25, 1 and 5 lt bottle.

Please note: hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
"Tuto" pickling agent - 0.25 lt	4581502
"Tuto" pickling agent - 1 lt	4581500
"Tuto" pickling agent - 5 lt	4581505



Pots, steel

AISI 316 steel pots with handle for pickling. Thickness 15/10 cm.

ø mm	Code
100	4211105
120	4211110
130	4211112
140	4211115
150	4211118
160	4211120
180	4211125
200	4211130
220	4211135
240	4211136
250	4211140
270	4211145

Hagerty

Hagerty is a first-class company which is known all over the world for its successful products specifically designed for cleaning jewels. In the wide range of Hagerty products you will find for sure what meets your needs at best.

- Jewel Clean cleans and enhances the sparkle in gold, platinum, diamonds, sapphires, rubies and fashion jewellery.
- Silver Foam offers you a quick wash-n-rinse action, it is perfect for frequently used pewter, silver, stainless-steel objects.
- Silver Clean instantly removes the tarnish from silver and silver-plated jewellery restoring their original shine.
- Silver Spray prevents tarnish on silver and silver plate, it polishes and cleans.
- Pearl Clean restores the overwhelming natural beauty of pearls, emeralds, opals, corals, turquoise.
- Silver Dip instantly removes the tarnish from silver cutlery and jewellery restoring their original charm.
- Silver Polish is a long-term protection for silver and silver plate.
- Copper Wash is the best solution to give new life to your copper.

Description	Code
Jewel Clean liquid - 150 ml	4581800
Silver Foam liquid - 150 ml	4581810
Silver Clean liquid - 150 ml	4581820
Silver Spray liquid - 200 ml	4581832
Pearl Clean liquid - 150 ml	4581840
Silver Bath liquid - 500 ml	4581850
Silver polish cream - 100 ml	4581860
Silver Polish cream - 250 ml	4581861



Ring sticks and ring gauges

Ring gauges

In plastic or steel, with Italian or English measures.

Description	Code
Italian numbers (1-33)	4207150
English numbers (A-Z)	4207156
Plastic ring gauge - from 1 to 33	4207510



Ring sticks

With four measures: French (1-36), European (41-76), American (1-15) and diameter (1-24).

Description	Code
Aluminium	4207100
Aluminium, ISO 8853	4207106
Aluminium, mod. Bergeon	4207108
Aluminium, basic type	4207491
Plastic	4207492
Polycarbonate - screenprinted	4207500



Ring sizing set

This set includes a ring stick with 4 measures, 25 loose rings with American numbers from 1 to 13 and a wooden case.

Description	Code
Ring sizing set	4207210



Bracelet measuring cone

Bracelet diameter and circumference gauge, from 12 to 22 cm and from 38 to 72 (French measure).

Description	Code
Bracelet measuring cone	4207250



Bracelet size gauge

This size gauge fits customers for any type of bracelet. Measures from 15 to 23 cm.

Description	Code
Bracelet size gauge	4251610





Tanita scales

Mod. 1479V

- Capacity: 120 g.
- Rating: 0 g < 0.1 g > 120 g.
- Tare/weight function.
- 4-digit LCD.
- Low battery indicator.
- Auto switch-off.
- Three CR44 batteries included.
- Dimensions: 156x76x16.5h mm.
- Weight: 170 g.

Capacity g	Accuracy g	Code
120	0.1	1611521



Mod. 1212

- Capacity: 300 g.
- Rating: 0 g < 0.1 g > 150 g / 150 g < 0.2 g > 300 g.
- Weight mode selection in g, ozt, oz, dwt.
- Gem tray included.
- 5-digit LCD.
- Tare/weight function.
- Auto switch-off.
- Low battery indicator.
- Four AAA batteries included.
- Dimensions: 160x91.5x22 mm.
- Weight: 250 g.

Capacity g	Accuracy g	Code
300	0.1	1611524



Mod. KP 400M

- Capacity: 400 g.
- Rating: 0 g < 0.1 g > 200 g / 200 g < 0.2 g > 400 g.
- Weight mode selection in g, ozt, oz, dwt.
- Stability indicator.
- 14 mm LCD.
- Tare/weight function.
- Auto switch-off.
- Low battery indicator.
- Two CR2032 batteries included.
- Dimensions: 130x185x15 mm.
- Weight: 270 g.

Capacity g	Accuracy g	Code
400	0.1	1611525



Mod. 1210

- Rating: 0 g < 0.002 g > 20 g / 0 kt < 0.01 kt > 100 kt.
- Weight mode selection in g and kt.
- Gem cup, case and weight test included.
- 5-digit LCD.
- Tare/weight function.
- Auto switch-off.
- Low battery indicator.
- Six AAA batteries included.
- Dimensions: 107x150x270 mm.
- Weight: 260 g.

Capacity ct	Accuracy g	Code
100	0.1	1611530

Gibertini scales

Analytical scale mod. E/50S

5-decimal scale for lab analysis and assays.

- Capacity: 90 g.
- Definition: ± 0.01 mg.
- Linearity: ± 0.02 mg.
- Stabilization period: 8/10 seconds.

Description	Code
Analysis scale - 0.00001	1611772
Antivibration table	1611773
Specific gravity device	1611774



Approved scales

CE Approval 90/384 DL 517/92. Legal metrology.

- 7-segment display, small decimal digits.
- ON/OFF display.
- Data interface : RS232 I/O - adjustable baud rate and parity.
- Solvent-proof membrane keyboard.
- Special Gibertini anti-shock system for overload protection.
- Bar-graph, quantity and measure indicator.
- Steady, neat and ergonomic design perfectly in tune with industrial use.
- Operating temperature: 10-40°C (optimum 15°-30°C).
- Facility for weighing underneath the scale.
- Parts count.
- Linearity: ± 2 LSD.
- Full automatic calibration with external mass.
- Switch-off period: 2-3 seconds.
- Voltage: 220V -15% +10%; 50Hz with external power supply (optional 110V 60Hz).
- Power consumption: 14 W.

Capacity g	Accuracy g	Platform mm	Code
620	0.01	150	1611756
1000	0.01	150	1611758
1700	0.01	150	1611760
6300	0.10	190	1611762
10000	0.10	190	1611766



Mod. 7500

- Advanced anti-shock system.
- Metallic body with epoxy protection.
- Indestructible weighing cell, easy to be transported.
- It stores in memory the weight, which is very useful in case of blackout.
- Programmable functioning parameters (locally and by RS232): velocity of reading, type of stabilization, etc.
- Sampling with 10 pcs and multiples (maximum limit 100 pcs).
- Full automatic calibration with external mass.
- Solvent-proof membrane keyboard.
- Maximum capacity: 7,500 g.
- Accuracy: ± 0.1 g.
- Operating temperature: 10°-40°C (optimum 15°-30°C).
- Scalepan: 190x190 mm.
- 7-digit display.
- Linearity: ± 0.3 g.
- Universal power consumption (100V-240V).
- Bidirectional data output RS232.
- Dimensions: 210x355x120h mm.
- Weight: 4.5 kg.

Description	Code
Mod. 7500 - 0.1 gr	1611752





RADWAG scale

Precision balance with parts-count function, LCD display, plastic protective shield and steel scalepan. Power consumption by adapter or alkaline batteries (included). Batteries lasting 30 hours.

- Capacity: 600 g.
- Rating: 0.01 g.
- Dimensions: 228x190x150h mm
- Pan diameter: 120 mm

Description	Code
TBH-600	1611362



Futura scales

Perfect for business transactions. Futura scales have been designed with top quality and first-class raw materials.

The following models offer:

- double reading dial,
 - damper with electro-magnetic system,
 - bearing made in hard agate stone,
 - knives in hardened alloy steel,
 - case in pressed steel,
 - scalepans and stand in stainless steel,
 - adjustable feet and blocking knob.
- These models are equipped with additional weights.

500 g scale

- Division: 0.05 g.
- Dial reading: 10 g.
- Right scalepan: diam. 120 mm.
- Left scalepan: diam. 100 mm.
- Dimensions: 400x210x480h mm.

1000 g scale

- Division: 0.1 g.
- Dial reading: 20 g.
- Right scalepan: diam. 120 mm.
- Left scalepan: diam. 100 mm.
- Dimensions: 400x210x480h mm.

Description	Code
50 gr scale	1610521
1000 gr scale	1610522



Weight for calibration

1 kg weight for scale calibration, class F1 approved (Europe).

Description	Code
Weight for calibrating - 1 kg	2611375

Scales

Trays for scales

In aluminium.

Dimensions mm	Code
250x180x20	2611370
300x220x20	2611371



Platform scale

With computerized reading and RS232.

- Capacity: 30 kg.
- Accuracy: 1 g.

Description	Code
Platform scale	1611780





Rulers

Stel rulers available also in their double measure mm/inch.

13 mm wide

Length mm	Thickness mm	Code
200	0.40	4250010
250	0.40	4250015
300	0.50	4250020

20 mm wide

* = with mm and inch measure.

Length mm	Thickness mm	Code
500	0.50*	4250100
1000	0.50	4250105

30 mm wide

* = with mm and inch measure.

Length mm		Thickness mm	Code
500	Polished	1.00	4250155
500	Polished	1.00*	4250150
1000	Satin finish	1.00	4250160
1000	Polished	1.00*	4250161



Squares

Accurately shaped for you to make sure your angles are perfect and your stones are exactly centred. Made in stainless and carbon steel.

Simple square

Dimensions mm	Code
75x50	4210010
100x70	4210020
150x100	4210035
200x130	4210040

Back square

Dimensions mm	Code
75x50	4210050
100x70	4210060
150x100	4210070
200x130	4210075

Calipers and gauges

Degree gauges

Brass degree gauge

Gauge to measure thickness with mm arc in brass. Accuracy: 0.1 mm.

	Range mm	Code
Mod. 837.01	0-10	4251005
Mod. 837.02	0-15	4251010
Mod. 837.03	0-20	4251015



Degree gauge with thin tips

Pocket gauge, useful to measure internal and external diameter. Opening: 10 mm. Accuracy: 0.1 mm.

Description	Code
Degree gauge w/thin tips	4251056



Calipers, sliding

Brass sliding caliper

Brass sliding caliper with mm and inch measure.

Description	Code
Slide gauge 80 mm/3 in	4251100
Slide gauge 100 mm/4 in	4251105



Mod. 331 CA

This caliper is in tempered stainless steel, with depth bar, tips for internal and external measuring which have been tempered and rectified.

Built in accordance with DIN 862 tables about tolerance limits.

Measure in mm and inch. Opaque chromium-plated vernier 1/20 mm. Case included.

Length: 220 mm. Usable length: 150 mm.

Description	Code
Slide gauge mod. 331 CA	4251200



Calipers, sliding with dial

Mod. 10023

Caliper in tempered stainless steel, 4 measures, hidden rack, adjustable dial, blocking screw, case in ABS. 1 rev = 1 mm. Opening: 150 mm.

Description	Code
Slide gauge with dial - art. 10023	4251155





Mod. COC50S

Made in opaque chromium-plated tempered stainless steel. Measuring tips and ruler have been built in a unique piece.

- Usable length: 158 mm.

- Vernier: 1/50 mm.

Description	Code
Slide gauge with dial - art. COC50S	4251350



Digital caliper

Internal and external diameter in mm and in inch. Zero setting at any position.

- LCD display with one-button change-over from mm to inch measure.

- Usable length: 150 mm by 0.01 mm.

- Protective case and battery are included.

	Range mm	Code
Digital caliper	0-150	4251510



Micrometers

With flat faces

- Measuring faces in hardened steel.

- Ratchet and lock nut for exact and repetitive readings.

- Range: 0-25 mm.

- Accuracy: 0.01 mm.

	Range mm	Code
Flat spindle micrometer	0-25	4252020



With spherical faces

Ideal to measure grooves, undercuttings, curves, etc.

- Accuracy: 0.01 mm.

- Black-painted structure.

- Face diam.: 6 mm, made in hardened steel.

- Lock nut.

- In wooden case with key.

	Capacity mm	Code
Micrometer with spherical anvil	0-25	4252050



Digital micrometer

- Measuring faces in hardened steel.

- Range: 0-25 mm.

- Accuracy: 0.001 mm.

	Range mm	Code
Digital micrometer	0-25	4252150

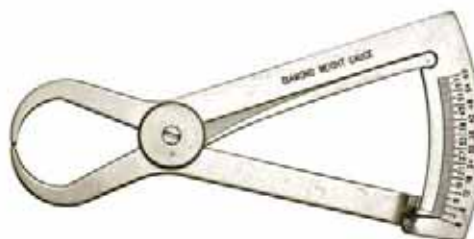
Calipers and gauges

Calipers, for stones

With spring

Degree caliper for brilliants with conversion table to define equivalent weight.

Description	Code
Gauge for diamonds F. 180	4253005



Analog calipers

Calipers for beads.

Range mm	Code
0-10	4253010
0-20	4253015



Digital caliper

Caliper for pearls, range 0-25 mm..

Description	Code
Digital gauge	4253020



Mod. Presidium

Ideal to determine dimensions and weight of mounted stones. it offers to you the possibility to take leveridge measurements. Hard, shock-resistant, black case included.

- Range: 0-25 mm.
- Accuracy: 0.01 mm.
- Automatic on/off function.
- Long lasting battery (500 h).

Description	Code
Presidium electronic gauge	4253050





Fan calipers

Stone caliper with 4 or six arms. Nickel plated.

	Capacity ct	Code
4 arms	0.01-4.50	4253105
6 arms	0.01-12.00	4253110



Calipers, sieve

A simple but effective method to sort stones and pearls according to their size. The 43 accurately drilled sieves perfectly fit into the chromium-plated cylinder.

Description	Code
Sieve diam. 48 mm	4253301
Sieve diam. 66 mm	4253305
Sieve diam. 80 mm	4253310
Sieve diam. 107 mm	4253315

Metal testing

Test kit for gold

Kit to determine the karat value of metals. It includes a touchstone (50x40x10 mm) and 5 acid bottles (18 kt, 14 kt, 9 kt, Ag and Pt).

Description	Code
Gold test kit	4594140



Test acid, mod. TDK060

Testing acid in bottle of 15 cc.

Description	Code
15 cc bottle	4594142
Bottle for test set	4594141



Testing phials

Hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
9K	459401#9KT..
12K	459401#12KT.
14K	459401#14KT.
18K	459401#18KT.
21K	459401#21KT.
22K and Pt	459401#22KT.
AG	459401#AG...



Touchstones

Touchstones to test silver and determine the karat value of gold. Rub the needle of your tester and the object you want to analyse on the touchstone, then pour some drops of acid to see the karat value.

Natural stones

Dimensions mm	Code
50x40x6	4594095
60x40x10	4594097
100x50x10	4594132

Synthetic stones

Dimensions mm	Code
40x50x3	4594090
50x70x3	4594092



Test needle set

5 test needles for 8K, 9K, 12K, 14K and 18K gold.

Description	Code
Test needle set	4594050



Testers for diamond



Mod. A1200P

Automatic diamond tester which does not need any calibration. A sound advises when the probe is touching metal.

Description	Code
Diamond tester A1200P	4253600



Mod. A1220

Complete instrument to verify diamond versus any kind of imitation, including moissanite.

Description	Code
Diamond/moissanite tester A1220	4253545



Mod. Gem Tester Plus

Perfect instrument to distinguish brilliants from imitations. Big and easy-to-read display. It works with electric current or with standard alkaline batteries.

Description	Code
Diamond tester Gem Tester Plus	4253610



Refractometer, for stones

Fundamental tool to recognize natural stones and imitations. Refraction range: 1.30-1.81.

Description	Code
Refractometer	4253555
Liquid for refractometer	4253556

Cupellation furnace

Cupellation furnace

This furnace has been studied for the separation treatment of precious metals and their alloys - max temperature 1200°C.

It has got a muffle which is removable from its back. A chimney on the back and a fume hood on its top eliminate all the combustion steam. The thermal insulation coming from ceramic fibres grants quick heating, minimum heat loss and maximum energy saving. The lateral opening lets you work safely because you are kept far from the burning material. Equipped with digital regulator of temperature and timer.

- Internal dimensions: 115x220x70h mm.
- External dimensions: 400x650x750h mm.
- Weight: 55 kg.
- Voltage: 220 V, 50/60 Hz.

Description	Code
Cupellation furnace MSC 01	1123020
Spare muffle - 255x135x90h	2123120

Cupels, for analysis

Description	Code
Cupel #2	4108100
Cupel #2.5	4108110
Cupel #4	4108120

Annealing crucible

Crucible for gold annealing. Dimensions: 33x33 mm.

Description	Code
Crucible	4108095

Assays crucible

Ceramic crucible to assay ashes. Dimensions: 77x172 mm.

Description	Code
Crucible for ashes	4108204

Lead

Lead in spools (0.10x40 mm, 8-10 kg each) or in pastilles (5 g each). Price by the kilo.

Description	Code
Lead in tape	4108500
Lead in pills	4108510





Sanding machine

Belt sanding machine available both in single-phase 220V and in three-phase 380V. The former (220V) reaches a speed of 1400 rpm, the latter (380V) of 1400-2800 rpm.

- Dimensions of the belt: 520x50 mm.
- External dimensions: 420x480x400 mm.
- Weight: 35 kg.

Description	Code
Sanding machine on basin; 220V	1604100
Sanding machine on basin; 380V	1604101



Sanding belts

Belts with end-to-end junction. Dimensions: 520x50 mm.

Grit	Code
40	4480016
60	4480018
80	4480019
100	4480020
120	4480021
150	4480022
180	4480023
220	4480024
240	4480025
280	4480026
320	4480027
400	4480029
500	4480030



Sanding belts, trizact

Long-life crossed belts, for highly polished surfaces. End-to-end junction. Dimensions: 520x50 mm.

Grit	Code
400	4480200
600	4480202
1000	4480204
2000	4480206



Sanding machine, horizontal

This machine is available both with AC and with DC. The former reaches a speed of 1400 rpm, the latter has a speed variator (from 0 to the desired speed).

- Belt dimensions: 730x80 mm.
- External dimensions: 450x580x400h mm.
- Weight: 45 kg.

Description	Code
Horizontal sanding machine 730x80 mm - 220V/380V	1604210
Horizontal sanding machine 730x80 mm w/direct current (220V)	1604112

Sanding machines

Sanding machine, semi-automatic

With this machine you can easily and rapidly smoothen any embossed material. It sands any burr formed during the blanking of the piece and takes automatically the pieces to work.

- Belt dimensions: 730x80 mm.
- External dimensions: 500x700x650h mm.
- Voltage: 230V single-phase.
- Speed regulator for the abrasive belt.
- Weight: 65 kg.

Description	Code
Semi-automatic sanding machine mod. 50-010-2	1604500



Sanding belts

Belts for horizontal sanding with end-to-end junction. Dimensions: 730x80 mm.

Grit	Code
40	4480150
60	4480151
80	4480152
100	4480153
120	4480154
150	4480155
180	4480156
220	4480157
240	4480163
280	4480158
320	4480159
360	4480160
400	4480161
500	4480162



Sanding belts, trizact

Long-life belts, for highly polished surfaces. End-to-end junction. Dimensions: 730x80 mm.

Grit	Code
400	4480212
600	4480214
1000	4480216
2000	4480218



Sanding machines



Grinding wheels, carborundum

Grinding wheels 70x10x6 mm, with central lead.

	Grit	Code
White	180	4498192
Pink	240	4498198
Grey	280	4498202



Sanding brush, straight

Diamond brush 90x30 mm, grit 60 or 120.

Description	Code
Grit 60	4478300
Grit 120	4478301



Sanding machine, bench

Bench-type sanding machine, 200 watt, with 2 grinding wheels (diam. 125x16x12 mm).

- Voltage: 220 V / 50 Hz, single-phase.
- Dimensions: 35x19x22h cm.
- Weight: approx. 20 kg.

Description	Code
SM 125 bench-type sanding machine	1605120
Carbide grinding wheel 120x16x20 mm	4498225

Magnetic Finishers

Magnetic tumblers

Effective advanced system to polish perfectly and quickly nonferrous objects with an high degree of intricacy (cavities, undercuts, filigrees, etc.). A magnetic disk causes both a centrifugal and an elliptical movement thanks to the effect of powerful magnets.

Magnetic tumbler, 50 g

Dimensions: 10.5x13x23 cm.

Dimensions of the container: 7.6x7.5 cm.

Shot capacity: 1-5 rings.

Weight: 2.1 kg.

Voltage: 220V/50Hz, single-phase.

Description	Code
Magnetic tumbler, 50 gr	1735900



Magnetic tumbler, 100 g

Dimensions: 17x20x32 cm.

Dimensions of the container: 12x6.5 cm.

Shot capacity: 5-10 rings.

Weight: 8.3 kg.

Voltage: 220V/50Hz, single-phase.

Description	Code
Magnetic tumbler, 100 gr	1735910



Magnetic tumbler, 400 g

Dimensions: 30x30x48 cm.

Dimensions of the container: 20x10 cm.

Shot capacity: 50x100 rings.

Weight: 25 kg.

Voltage: 220V/50Hz, single-phase.

Description	Code
Magnetic tumbler, 400 gr	1735920



Magnetic tumbler, 1200 g

Dimensions: 41x41x52.5 cm.

Dimensions of the container: 26.5x10.5 cm.

Shot capacity: 200-300 rings.

Weight: 30 kg.

Voltage: 220V/50Hz, single-phase.

Description	Code
Magnetic tumbler, 1200 gr	1735930





Tumbler MINI with glass container

Ideal for roughing, cleansing, polishing. The glass containers are easy to be replaced according to the different working phases. The hermetic seal of the glass container allows you to work safely and in the meantime to recover the precious particles which may have been removed during the working process by the water treatment in proper plants. The forced air cooling system and the thermic insulation make it possible to work uninterruptedly.

- Dimensions: 37x20.5x30 h mm.
- Tank capacity: 1.5 l.
- Empty tank: 70 rpm.
- Voltage: 220 V / 50 Hz.
- Power consumption: 110 W.
- Weight: 10 kg.

Description	Code
Bench type tumbler	1732120
Glass container	2732120



Pin media, stainless steel

AISI 304 steel needles.

High quality

Dimensions mm	Code
0.3 x 5	4582344
0.5 x 5	4582339



Basic

Dimensions mm	Code
0.3 x 5	4582345
0.5 x 5	4582340

Vibratory Finishers

Vibratory tumblers

The vibration system is a good alternative to the rotation system for tumbling. This system is aimed at both wet and dry deburring, smoothing, polishing and also drying.

Circular tumbler, mod. ECO

Ideal to polish cast pieces. This tumbler is equipped with:

- a tank made in anti-abrasive polyurethane
- uploading device for tumbled materials
- speed selector (to be used with AISI steel balls)
- optional soundproof cover
- engine hp 1.75
- dimensions: 550x530x1530 mm
- ball capacity: 40 kg
- capacity: 11 l
- weight: 137 kg
- voltage: 220 V

It is available also with speed variator (from 330 to 3300 rpm).

Description	Code
Tumbler FOV 11 lt - with speed selector	1735251
Tumbler FOV 11 lt - with speed variator	1735252



Circular tumbler, mod. RC

Big tumbler for deburring and polishing with preformed plastic and ceramic materials.

- Speed variator: from 0 to 6000 rpm.
- Total capacity: 990 l.
- Engine kw 0.75.
- Channel width: 180 mm.
- Dimensions: 900x900x820 h mm.
- Weight: 200 kg.

Automatic water dispenser device not included.

Available also with 380V.

Description	Code
Tumbler mod. FOV RC90 - 220V	1735130
Tumbler mod. FOV RC90 - 380V	1735132
	2735132





Circular tumblers, mod. Minor

These tumblers are made completely in metal: the motor is die-cast in aluminium; the container is in polyurethane and they are equipped with unload filter. They are ideal for dental laboratories and for goldsmith's.

- Removable container
- Removable central cylinder
- Filter with micro-holes for wet operations and cap for dry operations
- Transparent splash-guard lid for noise reduction.

Mod. Minor XS-03

- Capacity: 3 l.
- Plastic material capacity: 1.5-2 kg.
- Ceramic material capacity: 2.5-3.5 kg.
- Voltage: 220 V/ 50, single-phase.
- Power consumption: 340 watt.
- Dimensions: 250x270h mm.
- Weight: 9 kg.

Description	Code
Minor XS-03 tumbler	1735003



Mod. Minor XS-06

Two plastic containers (capacity approx. 5 l - 250x160x130h mm) and one shovel included.

- Capacity: 6 l.
- Plastic capacity: 3-4 kg.
- Ceramic capacity: 5-6 kg.
- Voltage: 220 V/ 50, single-phase.
- Power consumption: 340 watt.
- Dimensions: 300x280h mm.
- Weight: 10.5 kg.

Description	Code	
Minor XS-06 tumbler	1735006	1/

Turbo Tumblers

Turbo tumblers

Turbo tumblers are a practical and quick system for mechanical finishing based on the centrifugal rotation of the disk. Perfect for casting, embossed materials and metal small parts. They can be used for both wet and dry operations.

Mod. DRIVE 15 I

Dry-wet tumbler with electronic speed variator (0/3300 rpm), timer, two sieving containers with 10 mm diam. holes, dosing pump, cooling turbine, change of direction every 15 min., frame in painted steel.

- Dimensions: 520x750x1620 mm.

- Weight: 150 kg.

- Capacity: 800 g rings.

- Plastic capacity: 5 kg.

- Granulate capacity: 3 kg.

- Motor Kw 1.

- Voltage: 220 V.

Description	Code
Fov Drive 15 lt, dry-wet	1735311



Turbo tumbler 5 liters - WET & DRY

Ideal for finishing small cast items.

- Overall dimensions: 22.5x22.5x43 cm.

- Basket dimensions: diam. 23x18 cm.

- Capacity (e.g. fasteners): 100/150 pcs.

- Plastic capacity: 1.5 kg.

- Granulate capacity: 1 kg.

- Voltage: 220 V.

- Weight: 9.2 kg.

Description	Code
Fov 5 lt, dry - 220V	1735891
Fov 5 lt, wet - 220V	1735892



Eco-Mini tumbler

Mini dry-wet tumbler for polishing up your jewels. It includes:

- 1 kg granulate with high-quality impregnation (fine),

- 1 kg granulate with high-quality impregnation (coarse),

- 200 g polishing paste,

- dosing shovel.

- Dimensions: 220x220x340h mm.

- Weight: 3.7 kg.

- Capacity: 3 l.

- Voltage: 230 V.

- Frequency: 50/60 Hz.

Description	Code
Mini Eco Dry tumbler	1735400
Mini Eco Wet tumbler	1735420



Walnut shell media - raw

These granulates are used in vibration or in rotation tumbling machines. They must be mixed with abrasive creams.

Minimum quantity=25 kg and multiples

Price by the kilo

Granulate for rough finishing

Description	Code
GN07	4582670

Granulate for smooth finishing

Description	Code
GN08-EXTRA	4582672
GN12	4582674

Granulate for polishing

Mixing this granulate with F30 paste or F69 oil, you will achieve excellent results on gold and silver.

Description	Code
GN16	4582675
GN30	4582742
GN80	4582677

Walnut shell media - pretreated

This granulate is used in vibration or in rotation tumbling machines. It must be mixed with abrasive creams.

Minimum quantity= 25 kg and multiples

Price by the kilo

Granulates for rough finishing

Description	Code
GN07 + 10F paste	4582713
GN08-EXTRA + 10F paste	4582723
GN12 + 10F paste	4582720

Granulates for smooth finishing

Description	Code
GN16 + 60F paste	4582717
GN12 + 60F paste	4582740

Granulates for polishing

Description	Code
GN16 + 30F paste	4582731
GN30 + 30F paste	4582737
GN80 + 30F paste	4582734

Dry tumbling media

Wooden pegs - raw

They are recommended for vibrating tumblers or dry machines. They can be combined with abrasive creams for the rough finishing of gold and silver, for hollow chains, hollow tube and embossed materials.

Minimum quantity= 25 kg and multiples

Price by the kilo

Wooden pegs for rough finishing

Description	Code
Cube, 10x10 mm	4582854
Pegs, 5x23 mm	4582760
Parallelepiped, 4x4x10 mm	4582857

Wooden pegs for smooth finishing

Description	Code
Cubic, 3x3 mm	4582750
Cubic, 4x4 mm	4582850
Cubic, 7x7 mm	4582852
Parallelepiped, 3x3x5 mm	4582855

Pegs for polishing

Combined with 60F paste or F69 oil, they are excellent for silver and gold polishing, for hollow chains, hollow tube and embossed materials.

Description	Code
Pegs, 2x10 mm	4582758
Trapezoid, 37x8x6 mm	4582865
Trapezoid, 25x7x7 mm	4582866

Wooden pegs - pretreated

These wooden pegs are mixed with abrasive creams. They are perfect for rotation, TURBO, dry tumbling machines.

Minimum quantity= 25 kg and multiples

Price by the kilo

Pegs for rough finishing

Description	Code
Peg 5x23 + 10F paste	4582762
Cube 10x10 + 10F paste	4582826
Parallelepiped 4x4x10 + 10F paste	4582838

Pegs for smooth finishing

Description	Code
Cube 4x4 + 60F paste	4582782
Cube 7x7 + 60F paste	4582823
Parallelepiped 3x3x5 + 60F paste	4582828

Pegs for polishing

Description	Code
Peg 2x10 + 30F paste	4582765
Trapezoid 38x8x6 + 30F paste	4582840
Trapezoid 37x8x6 + F69 oil	4582842
Trapezoid 25x7x7 + 30F paste	4582843
Trapezoid 25x7x7 + F69 oil	4582845



Maize cob sawdust

Maize cob sawdust for polishing

This material has an extraordinary light specific weight which makes it perfect to polish steel, brass and copper. It can be used also dry, in tumblers with wooden container and in sawings driers.

Minimum quantity= 25 kg and multiples

Price by the kilo

Description	Code
GM-6	4585098
GM-8	4585100
GM-12	4585110



Maize cob sawdust for high polishing

These sizes are excellent to polish gold and silver, bottomless embossed and electroforming products. A good advice is to combine them with F69 oil. They are used for vibrating tumblers, tumblers with wooden container and sawings driers.

Minimum quantity= 25 kg and multiples

Price by the kilo

Description	Code
GM-16	4585120
GM-20	4585130
GM-30	4585140



Oils and pastes

Oils

For dry processes with granulates or wooden pegs. Tanks of 10 lt each.
Price by the liter.

Description	Code
F66 - smoothing	4580750
F69 - polishing (oil + paste)	4580730
F68 - polishing	4580732



Pastes

Abrasive pastes for granulate. Buckets of 10 kg each.
Price by the kilo.

Description	Code
10F - for rough grinding	4580720
60F - for smoothing	4580711
30F - for shine polishing	4580725



Pumice powder

This powder is used in dry processes when it is added to granulate or ceramic materials. Bags of 25 kg each.

Price by the kilo.

Description	Code
Pumice in powder - 5/000 - 3/0	4580851
Pumice in powder - 10/000 - 8/0	4580852





Ceramic media

In the wide range of shapes and dimensions of these abrasive ceramic materials you will find the best solution for the first step of roughing. They have a strong oxidizing power on metals and are particularly indicated for steel and iron.

Minimum quantity= 5 kg and multiples

Price by the kilo

Three-star

For very decorated surfaces.

Dimensions mm	Code
4 x 4	4582612
6 x 6	4582614

Rhombus

For slotted and rough-edge surfaces.

Dimensions mm	Code
3 x 4 x 5	4582923
4 x 10 x 7	4582924

Cylinders

This type of ceramic material is indicated for flat, corrugated large surfaces.

Dimensions mm	Code
2 x 4	4582948
6 x 10	4582949

Porcelain media

This abrasive porcelain has a density of 3.2 g/cm³. It is available in various shapes and dimensions: spheres are indicated to polish flat or corrugated surfaces, cylinders to treat corrugated, slotted or undercut surfaces, triangles and cubes to deburr sharp-edge and undercut surfaces. To be used with burnishing compounds.

Minimum quantity= 5 kg and multiples

Price by the kilo

Spheres

ø mm	Code
2	4582633
3	4582635
4	4582637
5	4582636



Triangles

Dimensions mm	Code
3 x 3	4582640

Cylinders

With oblique cut.

Dimensions mm	Code
2 x 4	4582638
3 x 6	4582639



Cubes

Dimensions mm	Code
4 x 4	4582641



Steel media

AISI 420 C spheres

These steel spheres are uniform, mirror-bright and carefully tempered, they are the best solution for high polishing. To be cleaned with proper solutions.

ø mm	Code
1.0	4582010
1.5	4582015
2.0	4582020
2.4	4582026
2.7	4582031
3.2	4582041
4.0	4582050
4.7	4582061



AISI 304 spheres

High-quality spheres. They do not need any particular care for maintenance. Thanks to their considerable weight they are able to polish perfectly any kind of metallic surface.

ø mm	Code
1.5	4582016
2.0	4582021
2.4	4582025
2.8	4582030
3.2	4582040
4.7	4582060



AISI 304 stainless steel ballcones

Stainless steel ballcones for shine polishing.

Dimensions mm	Code
3 x 5	4582300
5 x 7	4582310



Plastic media

These plastic materials in polyester fiber are available in different shapes and colours identifying their different grinding power. Best used to deburr gold, silver, Zn+Al+Mg alloy, nickel silver and brass in vibration and turbo tumblers. They have a medium oxidation power.

Minimum quantity= 5 kg and multiples

Price by the kilo

White plastic media

This plastic material has low abrasive power and light polishing action. In cone or in pyramid shape, it is indicated for deburring object with stones. Grit: SSF.

**High quality**

Description	Code
White cone 10 mm	4582590
White Tetrahedron 10 mm	4582591

Standard quality

Description	Code
White cone 10 mm	4582580
White Tetrahedron 10 mm	4582581

Yellow plastic media

This plastic has a medium-low abrasive power. It is particularly aimed at deburring cast gold with or without stones. Grit: FF.

**High quality**

Description	Code
Yellow cone 10 mm	4582600
Yellow Tetrahedric cone 10 mm	4582602

Standard quality

Description	Code
Yellow cone 10 mm	4582584
Yellow Tetrahedric cone 10 mm	4582585

Green plastic media

This plastic has a medium abrasive power. Excellent for deburring gold, silver and brass. Grit: F.

**High quality**

Description	Code
Green cone 10 mm	4582594
Green Tetrahedric cone 10 mm	4582595

Standard quality

Description	Code
Green cone 10 mm	4582582
Green Tetrahedric cone 10 mm	4582583

Media

Red plastic media

This plastic has a high abrasive power with a consequent effectively remarkable result on gold, silver, brass and Zn+Al+Mg alloy. Grit: N.

High quality

Description	Code
Red cone 12 mm	4582938



Standard quality

Description	Code
Red pyramidal cone 6.5x5.5 mm	4582586



Ureic abrasive media

Abrasive materials based on urea and pumice. They have a considerably high abrasive power. They maintain the metal colour since they have a low degree of oxidation. They get used rapidly. Best employed in vibrating tumblers to deburr gold, silver, copper, brass and aluminium.

Minimum quantity= 25 kg and multiples

Price by the kilo

Description	Code
Pink cone 14 mm HB 12cc	4582658
Pink cone 18 mm HB 18cc	4582661
Pink pyramidal cone 20mm HB 20dd	4582662





Compounds

These compounds are to be used with the materials for wet processes, both for vibrating tumblers and for turbo ones.

MA73

This compound is ideal to smoothen gold, steel, silver and iron. Together with porcelain materials you can get the most effective results. It is best matched with Z15. Minimum quantity: 5 kg and multiples.

Price by the kilo.

Description	Code
MA 73	4580782



Z 15 liquid

This liquid prevents oxidation and is therefore perfect when used together with all the abrasive pre-treated materials.

In cans of 25 liters each.

Price by the liter.

Description	Code
Z 15	4580927



NEUTROFIX

Liquid soap excellent for porcelain media polishing and for steel media finishing. Particularly indicated for 18 kt gold.

Available in 10 or 25 l package.

Description	Code
Neutrofix - 10 lt bottle	4580015
Neutrofix - 25 lt can	4580016



NEUTROFIX N. 21

Liquid soap for silver 925-800. To be used with steel spheres or needles.

Cans of 25 liters each.

Price by the liter.

Description	Code
Neutrofix n. 21	4580030



NEUTROFIX-P

Soap for polishing with steel needles and spheres. Perfect for 18-14-9 kt gold and silver.

Minimum quantity: 5 kg and multiples.

Price by the kilo.

Description	Code
Neutrofix - powder	4580100

Compounds

Pickling agents

Pickling agents to clean steel spheres.

Radial D/2

Pickling agent for spheres. Minimum quantity: 5 l and multiples.

Price by the liter.

Description	Code
Pickling agent Radial D/2	4581010



Cleanser

Pickling agent for spheres. In cans of 5 or 25 lt.

Description	Code
Cleanser - 5 lt	4581035
Cleanser - 25 lt	4581025



F45

Liquid soap for magnetic vibrating tumblers. In cans of 5 or 25 lt.

Description	Code
F45 - 5 lt	4580535
F45 - 25 lt	4580525





Sandblasters

These machines use micro spheres made in glass, aluminium oxide and silica carbide accordingly to the process required. They are aimed at superficial deburring, cleansing and polishing.

Mod. Sand S 22 - one-sand, glass beads recycling

Internal inclined surface to convey the beads to the aspirator.

- Lateral lever for air control.
- Air filtering fabric bag on output to avoid dust dispersion.
- Operating pressure: 4/6 bar.
- Internal light.
- Wall-mounted or bench-top installation.
- Overall dimensions: 280x280x260h mm.
- Capacity: 0.5 kg.
- Weight: 5 kg.

Description	Code
Sandblaster mod. S 22	1725300



Mod. Sand S 24 - two-sand version

Machine for sandblasting with adjustable pressure. Its modularity makes it possible for you to select specific nozzle diameters (0.6 mm, 0.8 mm and 1.3 mm). A new pump system for air delivery inside the cylinders enables complete removal of sand thus eliminating the need for continuous sand refills. The special design of the nozzles prevents clogging due to humidity or sand accumulation.

- Optimal visibility and lighting.
- Possibility to work with sands from 25 μ to 250 μ .
- Nozzle selector inside.
- Foot control.
- Special socket for the aspirator.
- Pressure regulation with gauge.
- Outlet tube for the connection to the aspirator.
- Low consumption (9 W) and high luminosity neon light.
- Protective sheet on closure window.
- Lateral rubber seal rings for two-hand operations.
- Overall dimensions: 370x420x330h mm.
- Standard nozzles ϕ 0.8, nozzle ϕ 1.3.
- Capacity: 0.5 kg.
- Weight: 11 kg.

Description	Code
Sandblaster mod. S 24	1725330



Mod. Sand S 23 N - one-sand version

Same as Sand S 24 with single sand container. Equipped with standard wide nozzle (0.8 mm diam.) for sands from 50 μ to 110 μ .

- Overall dimensions: 370x420x370h mm.
- Capacity: 0.5 kg.
- Weight: 10 kg.

Description	Code
Sandblaster mod. S 23	1725310

Sand blasters

Mod. Sand S 25 - three - sand version

This model is equipped with 3 extra wide nozzles with different diameters: \varnothing 0.6 mm (for sands from 25 μ to 60 μ), \varnothing 0.80 mm (from 50 μ to 110 μ), \varnothing 1.3 mm (from 110 μ to 250 μ).

- Optimal visibility and lighting.
- Possibility to work with sands from 25 μ to 250 μ .
- Pressure regulation with gauge for each container and nozzle.
- Switch for rapid sandblasting changes inside.
- Air jet for cleaning.
- Foot control.
- Special socket for the aspirator.
- Outlet tube to connect to the aspirator.
- Low consumption (9 W) and high luminosity neon light.
- Protective sheet on closure window.
- Lateral rubber seal rings for two-hand operations.
- Overall dimensions: 460x510x440h mm.
- Capacity: 0.5 kg.
- Weight: 20 kg.

Description	Code
Sandblaster mod. S 25	1725335



Mod. Sand S 26 - recycling

With sand recycling.

- Fixed wide nozzle (\varnothing 4 mm) with adjustable angle.
- Pressure regulator with gauge.
- Foot control.
- Optimal visibility and lighting.
- Air filter.
- Facility for the connection to the aspirator.
- Dimensions: 360x380x400h mm.
- Weight: 15 kg.

Description	Code
Sandblaster mod. S 26	1725340



Compressors, sound-proof

LS10 compressor

Sound-proof compressor, capacity of the tank: 10 lt, voltage: 220V/50Hz singlephase, air delivery: 30 l/min. Dimensions: 40x40x50h cm. weight: 22kg. EC approved.

Description	Code
LS10 compressor	1613700





SA50 compressor

Portable compressor with vertical 24 lt air tank. With cooling fan.

- 50 lt/min.
- 8 bar - 116 psi.
- Dimensions: 30x30x44h cm.
- Packing dimensions: 34x34x50h cm.
- Weight: 21 kg.

Description	Code
SA50 compressor	1613780



SA100 compressor

Trolley-mounted compressor with 2 motors and cooling fans.

- 100 lt/min.
- 8 bar - 116 psi.
- Dimensions: 36x65x55h cm.
- Packing dimensions: 37x80x61h cm.
- Weight: 54 kg.

Description	Code
SA100 compressor	1613782



Media for sandblasters

Zirconium oxide beads

Ceramic micro-grinding beads produced from zirconium powder. Grit: 0.5-0.7 mm. Price by the kilo.

Description	Code
Zirconium oxide spheres	4588400



White aluminium oxide beads

These Oxide for sandblasting. Bags of 25 kg each.

Price by the kilo.

Description	Code
Grit 36	458810#36
Grit 60	458810#60
Grit 80	458810#80
Grit 100	458810#100
Grit 120	458810#120
Grit 150	458810#150
Grit 180	458810#180
Grit 220	458810#220

Sand blasters

Glass beads

These beads have spherical shape and smooth surface. They are inert (no silicon contained). Bags of 25 kg each.

Price by the kilo.

Description	Code
Size 40/70	458820#.40-.70
Size 70/110	458820#.70-110
Size 106/212	458820#106-212
Size 150/250	458820#150-250
Size 180/300	458820#180-300
Size 250/425	458820#250-425



Red silicon carbide

Red silicon carbide for sandblasting processes. Bags of 25 kg each.

Price by the kilo.

Description	Code
Grit 24	458811#.24
Grit 30	458811#.30
Grit 36	458811#.36
Grit 40	458811#.40
Grit 46	458811#.46
Grit 50	458811#.50
Grit 60	458811#.60
Grit 70	458811#.70
Grit 80	458811#.80
Grit 90	458811#.90
Grit 100	458811#100
Grit 120	458811#120
Grit 150	458811#150
Grit 180	458811#180
Grit 220	458811#220





Dust collectors, cabinets

Built in varnished steel, white-enamel working place, with lamp, built-in suction and powder recovery.

Dimensions one unit: 57x28x44h cm. Weight: 22 kg.

Dimensions two units: 76x34x47h cm. Weight: 50 kg.

Description	Code
Suction unit Minor - right side	1745201
Suction unit Minor - left side	1745203
Suction unit Minor - double	1745205



Dust collectors, systems

Mod. Junior

One-seat suction bench unit - 220 V, with single-shaft motor PI102 with brake, 2800 rpm, hp 0.25, complete with adjustable protection in aluminium and PVC spindle cover.

Dimensions: 76x55x80h cm. Weight: 55 kg.

Description	Code
Suction bench unit mod. Junior - complete	1745212

Components

Description	Code
Suction bench only	1745211
Aluminium protection	2745015
Spindle PVC cover - right side	2745016
Motor only PI 102 with brake - 2800 rpm	2745203



Mod. Junior, oversized

One-seat suction bench unit - 220 V, with single-shaft motor PI140 with one-speed brake, 2800 rpm, hp 0.5, complete with adjustable protection in aluminium and PVC spindle cover.

Dimensions: 80x69x80h cm. Weight: 70 kg.

Description	Code
Suction bench unit mod. Junior oversized - complete	1745217

Components

Description	Code
Suction bench only	1745216
Aluminium protection	2745010
Spindle PVC cover - right side	2745016
Motor PI 140 - w/brake	2745182



Mod. Senior, with 2 independent suction

Suction bench unit with 2 independent suction, with 2 single-shaft motors PI102 - 220 V with brake, 2800 rpm, hp 0.25, complete with 2 adjustable protections in aluminium and 2 spindle covers.

Dimensions: 110x65x80h cm. Weight: 115 kg.

Description	Code
Suction unit mod. Senior with 2 independent suction - complete	1745238

Components

Description	Code
Suction bench only	1745232
Aluminium protection	2745015
Spindle PVC cover - right side	2745016
Spindle PVC cover - left side	2745017
Motor only PI 102 with brake - 2800 rpm	2745203



Mod. Pado, with 2 motors

Suction bench unit with 2 motors (right and left) PI140, 2800 rpm, 380 V three-phase, hp 1.5, with brake program, shaft protection and spindle cover. Dimensions: 165x113x133h cm. Weight: 280 kg.

Description	Code
Suction unit mod. Pado with 2 motors - complete	1745264

Components

Description	Code
Suction bench only	1745265
Aluminium protection	2745010
Spindle PVC cover - right side	2745016
Spindle PVC cover - left side	2745017
PI 140 motor, 380V, 2800 g/m	2745230



Mod. Pado, with motor brake controls

Suction bench unit with 2 motors (right and left) PI140 - 380 V three-phase, 2800 rpm, hp 1.5, complete with two-magnet brake, shaft protection and spindle cover.

Dimensions: 165x113x133h cm. Weight: 280 kg.

Description	Code
Suction unit mod. Pado with 2 motors and break control - complete	1745273

Components

Description	Code
Suction bench only	1745271
Aluminium protection	2745010
Spindle PVC cover - right side	2745016
Spindle PVC cover - left side	2745017
Motor PI 140, 380V, w/brake, 2800 rpm	2745206

Filters, for dust collector systems

For these suction units you need to use 2 filters.

Description	Code
Standard filter	2745215
Rockwool panel - 500x1000 mm	2745244
Antistatic filter	2745269



Emering sanding bench unit

Emery sanding bench unit with immediate recovery though filter bags, complete with single-shaft motor PI102 with brake, 220 V singlephase, 2800 rpm, hp 0.25, shaft protection and spindle cover.

Description	Code
RS Super emering sanding bench unit - complete	1750683

Components

Description	Code
Emering bench only	1750682
Aluminium protection	2745015
Spindle PVC cover - right side	2745016
Motor only PI 102 with brake - 2800 rpm	2745203



Filters, for emery benches

Filters equipped in emery benches (1 piece per type).

Description	Code
Paper filter	2750221
Microfiber filter	2750222



Carbon brushes

For emery benches. Long lasting: they need substitution after 800 hours work.

Description	Code
Spare carbon brushes - couple	2750685

Spare parts

Polishing motors

Perfect for the goldsmiths who look for small, long-lasting, silent and stout machines. PI102 polishing machines are built with one polarity (2800 rpm, 50 Hz), in normal and reinforced versions (same dimensions but magnetic pack included, with additional quantities of iron and copper), single- and double-shaft versions.

PI140 polishing machines are built with one or two polarities (2800 rpm or 2800/1400 rpm, both 50 Hz) - the latter is ideal for dental laboratories -, with single- or double-shaft versions.

All these polishing machines with single- and three-phase are equipped with a condenser set on their base. They are built with a tool post.

PI 102 motors

- 2800 rpm, 500 Hz.
- Min/max voltage: 110/500 V.
- Frequency: 50-60 Hz.
- Weight: 7.5 kg.

Description	Code
PI 102 Motor only - 2800 rpm	2745208
Motor only PI 102 with brake - 2800 rpm	2745203
Motor only PI 102 380V, 2 speeds - 1400/2800 rpm	2745198
Motor only PI 102, double - 2800 rpm	2745210



PI 140 motors

- 1400/2800 rpm, 500 Hz.
- Min/max voltage: 110/500 V.
- Frequency: 50-60 Hz.
- Weight: 14 kg.

Description	Code
PI 140 motor, 380V, 2800 g/m	2745230
Motor PI 140, 220V, w/brake, 1400-2800 rpm	2745202
Motor PI 140, 380V, w/brake, 2800 rpm	2745206
Motor PI 140, 380V, w/brake, 700-1400 rpm	2745199
Motor PI 140, 380V, 900 rpm	2745190
Motor PI 140, 380V, 1400-2800 rpm	2745204



Spindles, brass

Brass spindles for small brushes.

Description	Code
Right-sided	2745052
Left-sided	2745053



Silicon polishers

Elastic silicon abrasives for the polishing process of all the resins, precious and composite materials. The binder used for these wheels grants a low working temperature, thus a low consumption.

High quality silicon polishers

Available in 3 shapes: cylinder (6x20 mm), round (22x3 mm), lens shape (22x3 mm); and 2 colours:

- pink, to polish gold and precious alloys;
- green, to deburr.

Pack of 12 pcs.



Pink polishers

	Model	Code
Round shape	R1	4496015
Lens shape	L1	4496025
Cylinder	C1	4496035

Green polishers

	Model	Code
Knife-edge	L3	4496085
Cylinder	C3	4496080

OKS polishers

Wheels with very soft rubber.

Pack of 12 pcs.



Wheel polishers

Dimensions mm	Grit	Code
17x3	fine	4496113
17x3	media	4496112
22x3	fine	4496103
22x3	media	4496102

Lens shape polishers

Dimensions mm	Grit	Code
16x2.5	fine	4496133
16x2.5	media	4496132
22x3	fine	4496123
22x3	media	4496122

Universal polishers

Grey polishers

Standard abrasives for polishing. Speed: 20000 rpm.

Minimum quantity: 30 pcs and multiples.

Unit price.

Size mm	Code
16x3	4496840
16x3	4496854
22x3	4496851
22x3.7	4496850

White polishers

Hard abrasive wheels for rough buffing. Speed: 20000 rpm.

Minimum quantity: 30 pcs and multiples.

Unit price.

Size mm	Code
16x3	4496864
22x3	4496865

Gold Flash polishers

Special abrasives bound with silicone. Suitable for the shining and polishing of precious metals. This line is particularly indicated for platinum. Pink color, extra-fine. Speed: 20000 rpm.

Minimum quantity: 30 pcs and multiples.

Unit price.

Size mm	Code
22x3	4496858
16x3	4496859
22x3.7	4496860

Pumice cylinders

Available in 4 colours with different abrasive power:

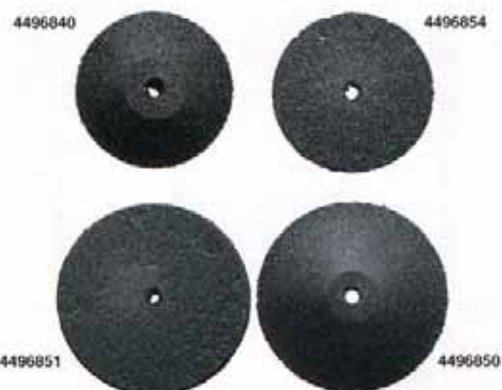
- grey for buffing,
- blue for hard buffing,
- green for pre-shining,
- pink for shining.

Diameter 14 mm, height 26 mm. Speed: 5.000 rpm.

Minimum quantity: 5 pcs and multiples.

Unit price.

Colour	Grit	Code
Blue	100	4496880
Green	180	4496881
Grey	240	4496882
Pink	1200	4496883





Edenta polishers

Edenta offers a range of products which are ideal for every step of the working process: from deburring to high-gloss polishing.

Top Star - brown

Perfect to pre-polish gold, precious and semi-precious alloys.

12 pcs packages.

Unit price.

Height mm	ø mm	Code
16	5	4496734
3	22	4496738
16.30	5.50	4496739
12	14	4496740
12	12	4496741
1	22	4496747
22	6	4496754
22	3	4496762
2	14.5	4496763
6	3	4496768



Top Star - green

Excellent for the high-gloss polishing of gold, precious and semi-precious alloys.

12 pcs packages.

Unit price.

Height mm	ø mm	Code
16	5	4496736
12	14	4496742
3	22	4496745
1	22	4496746
16.5	5.5	4496749
2.5	15	4496750
2	14.5	4496752
22	3	4496764
6	3	4496770

Goldino polishers

This is the most innovative rubber polishing wheel for gold and all the precious alloys. Three different speed programs.

Green Goldino

For deburring. Speed: 20,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Wheel	22	4496772
3	Lens shape	22	4496802

Yellow Goldino

For pre-shining. Speed 15,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Wheel	22	4496776
22	Cylinder	6	4496778
3	Lens shape	22	4496800

Pink Goldino

For high-gloss polishing. Speed 10,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Knife-edge	22	4496748
3	Wheel	22	4496780
22	Cylinder	6	4496782

Black Magic polishers

This black universal polisher is suitable for precious metals and every alloy; CrCo, titanium. Speed: 20,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Coarse grit	22	4496730

White Magic polishers

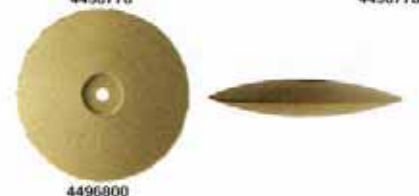
Silicon universal polisher for acrylic resins and plaster.

Coarse grit, 20,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Lens shape	22	4496703
3	Wheel	22	4496706





Steel Master polishers

The most abrasive and toughest polisher for fashion-jewellery and chrome-cobalt alloys.

Available in medium and coarse grit, speed 20.000 rpm.

Medium grit

12 pcs packages.

Unit price.

Height mm	ø mm	Code
1.3	22	4496756
3	22	4496757



Hard grit

12 pcs packages.

Unit price.

Height mm	ø mm	Code
22	3	4496760
22	6	4496761



Steel Flex polishers

This flexible polisher is perfect for CrCo alloys.

· Black: removes scratches and smoothens the surface. Speed 20,000 rpm.

· Green: produces a light shine effect and the surface gets ready for the final polishing. Speed 10,000 rpm

12 pcs packages.

Unit price.

Colour	Height mm	ø mm	Code
Green	3	22	4496701
Black	3	22	4496724



Gem Pol polishers

These grey-white polishers are ideal for gemstones and platinum. Speed 20,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
3	Wheel	22	4496704
3	Wheel	17	4496731
16	Bullet	5	4496737

Abrasives

Acry Pol polishers

Silicone polishers for acrylics and nail business.

Green Acry Pol

Coarse grit for contouring. Speed 10,000-15,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
21	Cylinder	7	4496712
18	Bullet	15	4496718
24.5	Bullet	10	4496719



4496712



4496718



4496719

Grey Acry Pol

Medium grit for deburring and pre-shining. Speed 10,000-15,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
21	Cylinder	7	4496710
20	Bullet	7	4496720



4496710



4496720

Yellow Acry Pol

Fine grit for final polishing and shining. Speed 5,000-7,000 rpm.

12 pcs packages.

Unit price.

Height mm		ø mm	Code
21	Cylinder	7	4496714
20	Bullet	11	4496717



4496714



4496717

Polishers, inside ring

Diameter 10x20, 3 mm shank.

Unit price.

Grit	Code
120	4496630
240	4496632





Rubber polishers

Available in 2 colours: green (grit 2,000) and brown (grit 1,500). Mounted on a 2.35 mm shank.
10 pcs packages.

Green polishers

ø mm	Code
15	4496723
12	4496728
12x2	4496785
3x7	4496786
4x15	4496789
22x2	4496838



Brown polishers

ø mm	Code
15	4496725
12	4496727
15x2	4496767
12x2	4496784
3x7	4496787
4x15	4496788
22x2	4496836

HILO-SUPER polishers

In carborundum.

Minimum quantity: 12 pcs and multiples.

Unit price.

ø mm	Thickness mm	Code
13	2.30	449850#S2,3
13	3.30	449850#S3,3
13	4.90	449850#S4,9
16	2.30	449851#S2,3
16	3.30	449851#S3,3
16	4.90	449851#S4,9
19	2.30	449852#S2,3
19	3.30	449852#S3,3
19	4.90	449852#S4,9
22	2.30	449853#S2,3
22	3.30	449853#S3,3
22	4.90	449853#S4,9
25	2.30	449854#S2,3
25	3.30	449854#S3,3
25	4.90	449854#S4,9



Polishing wheels, rubber

OKS polishers

Hole diameter: 6 mm.

Grit	ø mm	Thickness mm	Code
fine	45	3	4495004
media	45	3	4495003
fine	60	3	4495009
media	60	3	4495008
fine	60	8	4495011
media	60	8	4495010
fine	60	15	4495021
media	60	15	4495020

Hole diameter: 25 mm.

Grit	ø mm	Thickness mm	Code
fine	100	25	4495040
media	100	25	4495030

Hub, for OKS polishing wheels

Use this nylon support to fix your polishers with 25 mm hole.

Description	Code
Lock for OKS wheels ø 25 mm	4495100



ARTIFEX polishers

Very hard rubber polishers, diam. 100x20 with 25 mm hole. The colour identifies the grit:

- black=grit 46,
- white=grit 80,
- red=grit 120,
- green=grit 180,
- blue=grit 240.

Grit	Code
46	4495200
80	4495201
120	4495202
180	4495203
240	4495204





KRONEN polishers

Medium hardness rubber polishers, grit 240, diameter 80 mm with 6 mm diameter hole. Available in different thicknesses.

Grit	Thickness mm	Code
240	10	4495334
240	15	4495344
240	30	4495350



Pumice polishers

Available in 4 colours with different abrasive power: grey for buffing, blue for hard buffing, green for pre-shining, pink for shining. Diam. 75 mm, thickness 10 mm, speed 3,000 rpm.

Description	Code
Grey	4495310
Blue	4495312
Green	4495314
Pink	4495316



Rubber cones

Tools with low abrasive power and excellent finishing for inside rings buffing and polishing. Dimensions: 14/16x60 mm.

Grit	Code
60	4516506
80	4516508
120	4516510
150	4516512
180	4516514
220	4516516
240	4516518
280	4516520
320	4516522



3M radial discs

Flexible abrasive unmounted discs. Diam. 19 mm. Available with 6 different grits. Minimum quantity: 12 pcs/type and multiples. Unit price.

Grit	Code
80	449645#GIAL
220	449645#ROSS
400	449645#BLUE
pumice	449645#PINK
6 micron	449645#ARAN
1 micron	449645#VERD



3M polishers - mounted

abrasive polishers with different shapes and grits. Shank 2.35 mm.

Scotch-Brite - cylinders

In aluminium oxide.

Grit	Code
fine	456530#CIL.5AF
medium	456530#CIL.5AM
very fine	456530#CIL3AVF

Abrasives

Scotch-Brite® - bullets

In aluminium oxide.

Grit	Code
fine	456530#PUN.5AF
medium	456530#PUN.5AM
very fine	456530#PUN3AVF
coarse	449670#.8AC



Abrasive felt polishers - cylinders

Grit	Code
coarse	456535#CILCOA.
medium	456535#CILMED.



Abrasive felt polishers - bullets

Grit	Code
coarse	456535#PUNCOA.
medium	456535#PUNMED.



3M polishes - unmounted

Scotch Brite wheels, diam. 25x6 mm, hole 3 mm, in silicon carbide or aluminium oxide.

Silicon carbide wheels

Grit	Code
extra fine	449670#.2SF
fine	449670#.3SF



Aluminium oxide wheels

Grit	Code
very fine	449670#.3AVF
medium	449670#.5AF





Mandrels
Stainless steel mandrels for polishing wheels and abrasive paper.

Mandrels for circular polishers - HP 2.35

ø mm	Code
5.00	4497010
8.00	4497404
14.00	4497406



Mandrels for cylindric polishers - HP 2.35

ø mm	Code
0.80	4497044
1.20	4497040



Mandrels for bullet polishers

ø mm	Code
2.00	4497050
3.00	4497052
6.00	4497200



Mandrels for abrasive paper

ø mm	Code
2.30	4497124
4.20	4497120
5.00	4497121



Mandrel for cylinders
Mandrel with 3 mm shank for rubber polishers diam. 14x26 mm.

Description	Code
Mandrel for cylinders	4495600

Sanding paper

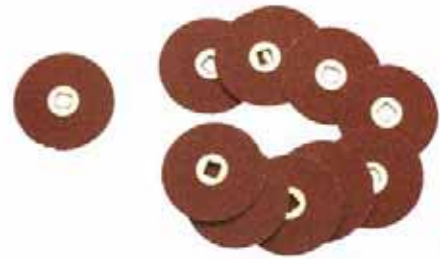
Paper grinding discs

Use these discs for grinding; available in 2 different diameters and 3 different grits: coarse, medium and fine.
In packages of 50 pcs.

ADALOX discs

Red paper discs, diam. 3/4" and 7/8".

ø	Grit	Code
3/4"	fine	447801#3/4"F
3/4"	medium	447801#3/4"M
3/4"	coarse	447801#3/4"C
7/8"	fine	447801#7/8"F
7/8"	medium	447801#7/8"M
7/8"	coarse	447801#7/8"C



MOOREPLASTIC sanding discs

Flexible, long-lasting, perfectly balanced discs. Maximum speed: 30,000 rpm.
Pack of 50 pcs.

White discs

ø	Grit	Code
3/4"	fine	447802#3/4"BF
7/8"	fine	447802#7/8"BF
3/4"	medium	447802#3/4"BM
7/8"	medium	447802#7/8"BM
3/4"	coarse	447802#3/4"BC
7/8"	coarse	447802#7/8"BC



Brown discs

ø	Grit	Code
3/4"	fine	447802#3/4"MF
7/8"	fine	447802#7/8"MF
3/4"	medium	447802#3/4"MM
7/8"	medium	447802#7/8"MM
3/4"	coarse	447802#3/4"MC
7/8"	coarse	447802#7/8"MC



Mandrels for Adalox and Mooreplastic

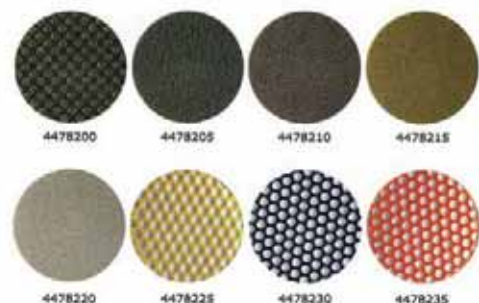
Description	Code
With 2 cutting edges	4497301



Diamond discs

Self-adhesive polishing discs, diam. 30 mm, available in 8 different grits.

Grit	Code
60	4478200
120	4478205
200	4478210
400	4478215
500	4478220
600	4478225
1000	4478230
8000	4478235





Shank rubber mandrel

Mandrel with 2.35 mm shank, diam. 30 mm.

Description	Code
Rubber mandrel diam. 30 mm	4478240



DIAFACE diamond discs

Diaface adhesive discs are designed for the quick grinding of edges and surfaces, from deburring up to final polishing. Diameter 100 mm, 2 mm thick.

	Grit	Code
Black	100	4478250
Red	200	4478251
Yellow	400	4478252
White	600	4478253
White - embossed	800	4478254
Blue - embossed	1500	4478255
Orange - embossed	3000	4478256



Pad for discs

Diameter 100 mm.

Description	Code
Pad, 100 mm diam.	4478260



DIAFACE belts

Diaface belts must be mounted on rubber expanding drums. Diameter 100 mm, 38 mm height.

	Grit	Code
Green	60	4476005
Black	100	4476010
Red	200	4476020
Yellow	400	4476030
White	600	4476040
White - embossed	800	4476050
Blue	1500	4476060

Sanding paper

Expanding drum

For Diaface belts. Diameter 100 mm, 38 mm height.

Description	Code
Expanding drum, diam. 100x38 mm	4475550



Cut-off wheels

Ideal for cutting metal and trimming stones with minimal loss.

Packages of 50 - diam. 22 mm

ø mm	Thickness mm	Code
22	0.20	4499120
22	0.70	4499134
22	0.80	4499135

Packages of 100 - diam. 22 mm

ø mm	Thickness mm	Code
22	0.30	4499130
22	0.40	4499131
22	0.50	4499132
22	0.60	4499133

Packages of 100 - diam. 33 mm

ø mm	Thickness mm	Code
33	0.60	4499305
33	0.90	4499306
33	1.00	4499307

Packages of 100 - diam. 35 mm

ø mm	Thickness mm	Code
35	0.60	4499311
35	0.70	4499312
35	0.90	4499313
35	1.00	4499314
35	1.70	4499315

Packages of 100 - diam. 38 mm

ø mm	Thickness mm	Code
38	0.30	4499316
38	0.60	4499317
38	0.90	4499318
38	1.00	4499319



Abrasive paper, carborundum

This abrasive paper is indicated for emery polishing, sanding and finishing of metals, wood and various materials. It grants the maximum precision you are looking for. Different grits available.

Dimensions: 230x280 mm.



High quality paper

Minimum quantity: 10 sheets and multiples. Unit price.

Grit	Code
100	447001#.100
120	447001#.120
150	447001#.150
180	447001#.180
220	447001#.220
240	447001#.240
280	447001#.280
320	447001#.320
360	447001#.360
400	447001#.400
500	447001#.500
600	447001#.600
800	447001#.800
1000	447001#1000
1200	447001#1200



SIA paper

Minimum quantity: 10 sheets and multiples. Unit price.

Grit	Code
100	447002#.100
120	447002#.120
150	447002#.150
180	447002#.180
220	447002#.220
240	447002#.240
280	447002#.280
320	447002#.320
360	447002#.360
400	447002#.400
500	447002#.500
600	447002#.600
800	447002#.800
1000	447002#1000
1200	447002#1200



GOLDEN SUN paper

Pack of 100 sheets.

Grit	Code
240	4470030
320	4470032
400	4470034
500	4470035
600	4470036

Sanding paper

Detail paper

Dimensions: 230x280 mm.

Minimum quantity 10 sheets and multiples. Unit price.

Grit	Code
0	447015#0
2/0	447015#2/0
3/0	447015#3/0
4/0	447015#4/0
6/0	447015#6/0



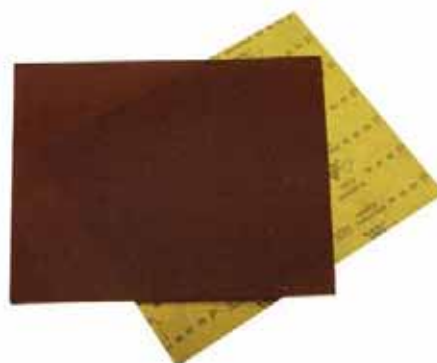
Emery cloth, sheets

Very flexible corundum cloth for manual working. Double resin.

Dimensions: 230x280 mm.

Minimum quantity: 10 sheets and multiples. Unit price.

Grit	Code
36	447051#..36
40	447051#..40
50	447051#..50
60	447051#..60
80	447051#..80
100	447051#..100
120	447051#..120
150	447051#..150
180	447051#..180
220	447051#..220
240	447051#..240
280	447051#..280
320	447051#..320
400	447051#..400



No waste cloth

Corundum cloth with double resin, extra-flexible cotton support.

Rolls 25 m long x 25 mm wide

Grit	Code
40	447201#..40
50	447201#..50
60	447201#..60
80	447201#..80
100	447201#..100
120	447201#..120
120	447201#..150
180	447201#..180
220	447201#..220
240	447201#..240
280	447201#..280
320	447201#..320
400	447201#..400
500	447201#..500





Rolls 25 m long x 50 mm wide

Grit	Code
40	447202#.40
50	447202#.50
60	447202#.60
80	447202#.80
100	447202#.100
120	447202#.120
150	447202#.150
180	447202#.180
220	447202#.220
240	447202#.240
280	447202#.280
320	447202#.320
400	447202#.400
500	447202#.500

Polishing sticks

Wooden sticks of various shapes and dimensions, with abrasive paper. They are perfect to polish and finish precious metals. Particularly indicated for the working on flat surfaces or the ones that are difficult to reach.

Triangular sticks

Size mm	Grit	Code
6x6x6	225	447101#225
6x6x6	245	447101#245
8x8x8	225	447102#225
8x8x8	245	447102#245
8x8x8	325	447102#325
10x10x10	225	447103#225
10x10x10	245	447103#245

Rectangular sticks

Size mm	Grit	Code
20x6	225	447104#225
20x6	245	447104#245

Sticks, for paper strips

Available in 2 sizes: 20 and 25 cm.

Description	Code
Stick, 8"	4471110
Stick, 10"	4471120

Abrapen

Stick for abrasive tapes. 24 tapes grit 240 included.

Description	Code
Abrapen 324x6.5 mm	4471130
Abrapen 420x12.5 mm	4471132

Sanding paper

Expanding drums

With shank

Dimensions mm		shank ø mm	Code
10x20	Expansion wheel - petal shape	3	4475211
10x40	Expansion wheel	6	4475020
60x30	Expansion wheel - petal shape	6	4475250

Without shank

Dimensions mm		Hole ø mm	Code
60x30	Expansion wheel - petal shape	6	4475500
90x35	Expansion wheel - petal shape	30	4475310
140x35	Expansion wheel	30	4475320

Abrasive rings

Corundum abrasive rings, dim. 10x20 mm or 10x40 mm.
Pack with approx. 100 pcs. Unit price.

Rings 10x20 mm

Grit	Code
40	447401#.40
50	447401#.50
60	447401#.60
80	447401#.80
100	447401#.100
120	447401#.120
150	447401#.150
180	447401#.180
220	447401#.220
240	447401#.240
280	447401#.280
320	447401#.320
400	447401#.400
500	447401#.500

Rings 10x40 mm

Grit	Code
40	447402#.40
50	447402#.50
60	447402#.60
80	447402#.80
100	447402#.100
120	447402#.120
150	447402#.150
180	447402#.180
220	447402#.220
240	447402#.240
280	447402#.280
320	447402#.320
360	447402#.360
400	447402#.400
500	447402#.500





Abrasive cloth tapes

These abrasive cloth tapes are available in different dimensions. Unit price.
Dimensions: ϕ 60x30 mm.

Grit	Code
60	447414#.60
80	447414#.80
100	447414#.100
120	447414#.120
150	447414#.150
180	447414#.180
220	447414#.220
240	447414#.240
280	447414#.280
320	447414#.320
360	447414#.360
400	447414#.400

Dimensions: ϕ 95x35 mm.

Grit	Code
60	447415#.60
80	447415#.80
100	447415#.100
120	447415#.120
150	447415#.150
180	447415#.180
220	447415#.220
240	447415#.240
280	447415#.280
320	447415#.320
360	447415#.360
400	447415#.400

Dimensions: ϕ 140x35 mm.

Grit	Code
60	447416#.60
80	447416#.80
100	447416#.100
120	447416#.120
150	447416#.150
180	447416#.180
220	447416#.220
240	447416#.240
280	447416#.280
320	447416#.320
360	447416#.360
400	447416#.400



Abrasive cylinders

Abrasive rings mounted on 2.35 mm shaft.
Packages of 10 pcs.

Grit	Code
240	4485070
320	4485071
400	4485072
600	4485073
1000	4485075

Flap wheels

These wheels - diam. 110 mm, hole 6 mm, different grits and thicknesses (8, 10, 15, 30 mm) - are produced by using Scotch Brite nylon strips alternated with abrasive cloth flaps glued around a central fiber core.

Particularly indicated for removing and pre-finishing on every metal. Compared with the traditional wheels made in emery cloth only, these mixed ones allow you to get a softer and more precise action thanks to the nylon combination.

Wheels 110x8 mm

Grit	Code
180	448535#180
240	448535#240
320	448535#320
400	448535#400
500	448535#500



Wheels 110x10 mm

Grit	Code
180	448536#180
240	448536#240
320	448536#320
400	448536#400
500	448536#500



Wheels 110x15 mm

Grit	Code
180	448537#180
240	448537#240
320	448537#320
400	448537#400
500	448537#500



Wheels 110x30 mm

Grit	Code
180	448538#180
240	448538#240
320	448538#320
400	448538#400
500	448538#500





Flap wheels, carborundum

Wheels with shank

Flap wheels with 3 mm shank, in different diameters and thicknesses.

Wheels diam. 22x5 mm

Grit	Code
150	448548#150
180	448548#180
220	448548#220
240	448548#240
280	448548#280
320	448548#320
360	448548#360
400	448548#400

Wheels diam. 22x10 mm

Grit	Code
150	448549#150
180	448549#180
220	448549#220
240	448549#240
280	448549#280
320	448549#320
360	448549#360
400	448549#400

Wheels diam. 25x10 mm

Grit	Code
150	448551#150
180	448551#180
220	448551#220
240	448551#240
280	448551#280
320	448551#320
360	448551#360
400	448551#400

Wheels diam. 30x10 mm

Grit	Code
150	448555#150
180	448555#180
220	448555#220
240	448555#240
280	448555#280
320	448555#320
360	448555#360
400	448555#400

Sanding paper

Wheels without shank

Wheels diam. 80x15 mm

6 mm hole diameter.

Grit	Code
180	448531#180
220	448531#220
240	448531#240
280	448531#280
320	448531#320
360	448531#360
400	448531#400
500	448531#500



Wheels diam. 80x30 mm

6 mm hole diameter.

Grit	Code
180	4485305
220	4485306
240	4485307
280	4485308
320	4485309
360	4485310
400	4485311
500	4485312
600	4485313



Wheels diam. 100x15 mm

6 mm hole diameter.

Grit	Code
150	448501#150
180	448501#180
220	448501#220
240	448501#240
280	448501#280
320	448501#320
400	448501#400
500	448501#500
600	448501#600



Wheels diam. 100x30 mm

6 mm hole diameter.

Grit	Code
150	4485350
180	4485351
220	4485352
240	4485353
280	4485354
320	4485355
360	4485356
400	4485357
500	4485358
600	4485359





Polishing compound

High quality

Compound for general roughing (no steel).
In blocks of approx. 1.2 kg. Price by the kilo.

Description	Code
Dry - mod. 135	4501020
Greasy - mod. 136	4501030

Basic quality

In blocks of 1.26 kg. Unit price.

Description	Code
Greasy - mod. MP/4	4501300



Polishing compounds, for copper and brass

Price by the kilo.

Description	Code
Pink, for final finishing	4501120
Bleu, for pre-polishing	4501150



Polishing compounds, for steel

White pastes in blocks of 0.800 kg. Price by the kilo.

Description	Code
For pre-polishing - mod. 480W	4501100



Polishing compounds, for gold and silver

Price by the kilo.

Description	Code
For smoothing - mod. 439T	4501115
For grinding/smoothing - mod. 462	4502600

Basic compound, for gold and silver

Sold in 1 kg block. Unit price.

Description	Code
For strong grinding - mod. MP90	4501302

Polishing Compounds

Finishing compounds

Rouge with iron oxide

Description	Code
In cones - 100 g	4502010
In blocks - 300 g	4502030



Greasy rouge

Description	Code
Mod. P/52 - cones	4502015
Mod. 330 - in blocks	4502050



Very dry rouge

Description	Code
Mod. XXSX - 300 g block	4502040



Rouge for mirror polishing

Compound for the mirror polishing of steel and platinum (light -blue), gold (orange).

Description	Code
Orange	4502100
Light-blue	4502105



DIALUX, polishing compounds

Specially thought for gold- and silversmiths. Available in a wide range of versions:

- Grey: to polish steel.
- Red: to polish gold.
- Green: to polish the hardest metals.
- Yellow: to pre-polish. Particularly indicated for plastic and non-ferrous metals.
- Blue: to polish every metal.
- White: to polish every metal.

Price for 1 block.

Description	Code
Grey	4502201
Red	4502211
Green	4502221
Yellow	4502231
Bleu	4502241
White	4502251



Polishing Compounds



Compounds, solid

Available in different colours: yellow, white, orange and red. Price by the block.

Cut		Weight kg	Code
6	Yellow	0.425	4502700
2	Red	0.418	4502505
0	Orange	0.380	4502705



Diamond compounds

Diamond pastes in 5 g syringes. Available in different grits for different purposes.

Description	Code
0.25 microns	4504010
1 microns	4504020
3 microns	4504030
6 microns	4504040
9 microns	4504050
15 microns	4504060
30 microns	4504070
45 microns	4504080
60 microns	4504090

Brushes

Brushes GAMMA

Disc brushes in various materials.

High-quality, unmounted

Minimum quantity 10 pcs and multiples. Unit price.

	ø mm	Code
Black bristle	24	4510011
White bristle	19	4510014
White bristle	22	4510012
White bristle	24	4510013
Goat hair	22	4510021
Goat hair	24	4510020
Steel wire	22	4510030
Brass wire	22	4510035
Cotton yarn	22	4510060



Basic type, unmounted

In packs with 20 or 100 pcs.

Brown horsehair

Diam. 19 mm.

Description	Code
20 pcs bag	451005#-D19-CF.20
100 pcs box	451005#-D19-CF100

Diam. 22 mm.

Description	Code
20 pcs bag	451005#-D22-CF.20
100 pcs box	451005#-D22-CF100

Diam. 25 mm.

Description	Code
20 pcs bag	451005#-D25-CF.20
100 pcs box	451005#-D25-CF100





Black bristle

Diam. 19 mm.

Description	Code
20 pcs bag	451015#-D19-CF.20
100 pcs box	451015#-D19-CF100



Diam. 22 mm.

Description	Code
20 pcs bag	451015#-D22-CF.20
100 pcs box	451015#-D22-CF100



Diam. 25 mm.

Description	Code
20 pcs bag	451015#-D25-CF.20
100 pcs box	451015#-D25-CF100



Goat hair

Diam. 19 mm.

Description	Code
20 pcs bag	451001#-D19-CF.20
100 pcs box	451001#-D19-CF100



Diam. 22 mm.

Description	Code
20 pcs bag	451001#-D22-CF.20
100 pcs box	451001#-D22-CF100



Diam. 25 mm.

Description	Code
20 pcs bag	451001#-D25-CF.20
100 pcs box	451001#-D25-CF100

Brushes

Spindles, steel

Steel spindles for small brushes.

Description	Code
Right-sided spindle	2745054
Left-sided spindle	2745055



Spindles, brass

Brass spindles for small brushes.

Description	Code
Right-sided	2745052
Left-sided	2745053



Brushes, unmounted

With metal hub. Available in different materials.

High quality brushes - diam. 48 mm

Minimum quantity 5 pcs and multiples. Unit price.

Description	Code
Black bristle	4510130
White bristle	4510170
Goat hair	4510200
Chamois leather	4528650



4510130



4510170



4510200



4528650

High quality brushes - diam. 50 mm

Minimum quantity 5 pcs and multiples. Unit price.

Description	Code
Black bristle	4510120
White bristle	4510160
Goat hair	4510190
Steel wire	4510240
Madapolam cloth	4510250
Augusta cloth	4510260
Brass wire	4510300



4510120



4510160



4510190



4510240



4510250



4510260



4510300



Basic quality - diam. 48 mm

In packs of 5 or 20 pcs.

Black bristle

Description	Code
5 pcs bag	4510131
20 pcs bag	4510132



White bristle

Description	Code
5 pcs bag	4510171
20 pcs bag	4510172



Goat hair

Description	Code
5 pcs bag	4510201
20 pcs bag	4510202



Madapolam cloth

Description	Code
5 pcs bag	4510255
20 pcs bag	4510256



Augusta cloth

Description	Code
5 pcs bag	4510265
20 pcs bag	4510266

Brushes

Brushes, circular

With wooden hub.

High quality brushes

High-quality circular brushes with converging rows and black bristle. Minimum quantity 5 pcs and multiples. Unit price.

Diam. 50 mm.

No. rows	Code
2	4512100
3	4512110
4	4512120

Diam. 60 mm.

No. rows	Code
2	4512150
3	4512160
4	4512170

Diam. 77 mm.

No. rows	Code
3	4512210
4	4512220

Diam. 80 - extra-chungking bristle

* = plastic hub

No. rows	Code
3	4512230
3*	4512248
4	4512250
4*	4512251

Diam. 80 - normal bristle

No. rows	Code
2	4512300
4	4512310
5	4512316
6	4512318

Diam. 80 mm - white bristle

No. rows	Code
3	4513020
4	4513030





Basic type

Basic-quality circular brushes with converging rows and black bristle. Diam. 70 mm. In packs of 5 and 20 pcs.

With wooden hub

	No. rows	Code
5 pcs bag	3	4512264
20 pcs bag	3	4512265
5 pcs bag	4	4512270
20 pcs bag	4	4512271

With plastic hub

	No. rows	Code
5 pcs bag	3	4512266
20 pcs bag	3	4512267



Circular brushes with parallel rows

Circular brushes with wooden hub, in black bristle or goat hair.

Black bristle brushes

ø mm	No. rows	Code
65	6	4514015
80	4	4514020
80	5	4514025
100	6	4514030
100	8	4514040

Goat hair brushes

ø mm	No. rows	Code
80	4	4514500
80	5	4514510



Brushes, cotton yarn

Circular cotton brushes with wooden hub.

ø mm	Thickness mm	Code
50	27	4515010
60	27	4515020
70	30	4515030
80	35	4515040
100	40	4515050
120	40	4515060



Twisted cotton

Cotton in skein for holes polishing. 100 g skein.

Description	Code
Twisted cotton	4515160

Brushes

White Aurora cloth discs

White cloth

ø mm	Hole ø mm	Code
120	15	4528010
150	15	4528019
150	20	4528020
200	15	4528030
200	20	4528031

Yellow cloth

ø mm	Hole ø mm	Code
150	15	4528021
150	20	4528022
200	20	4528025

Petal-shape cloth

8-cloths brush for polishing units.

ø mm	Hole ø mm	Code
200	55	4528299

Madapolam discs

Bufs in cotton cloth.

ø mm	Hole ø mm	Code
120	15	4528100
150	15	4528110
150	20	4528111
200	20	4528120

Cloth discs

Diam. 150 mm, hole 15 mm.

Description	Code
White cotton cloth - R1	4528250
Madapolam cloth - R2	4528255
Yellow cotton cloth - 2/A	4528260
Pink cotton cloth - 2/R	4528261

Hubs, brass

Standard hubs

Diameter 40x40h mm, 15 mm hole.

Description	Code
Right-sided	4528810
Left-sided	4528811

Oversized hubs

Diam. 50x50h mm, hole 20 mm.

Description	Code
Right-sided	4528820
Left-sided	4528821





4528850

4528851

Wrench and hub lock

Description	Code
Clamping wrench	4528850
Hub lock	4528851



Sisal discs

These wheels are used for deburring operations, using the combination of cotton cloth and Sisal cloth, known for its high abrasive power.

Price by the kilo.

ø mm	Thickness mm	Code
120	15	4528301
150	15	4528310
200	15	4528315
250	20	4528340



Cloth brushes, stitched

Cloth brushes, diam. 30 mm, with one stitch and metal hub.
10 pcs per pack.

	Grit	Code
White cloth	soft	4528005
Pink cloth	medium	4528006
Brown cloth	hard	4528007

Cloth brushes

R1 cotton type

Brushes in cotton cloth.

Diam. 55 mm

Minimum quantity 5 pcs and multiples. Unit price.

No. of cloths	Code
36	4528754
40	4528750
45	4528755

Diam. 80 mm

Minimum quantity 5 pcs and multiples. Unit price.

No. of cloths	Code
16	4528759
24	4528768
32	4528760

Diam. 110 mm

Unit price.

No. of cloths	Code
24	4528772
32	4528773
70	4528766

Diam. 150 mm

Unit price.

No. of cloths	Code
50	4528775
64	4528789
70	4528778
130	4528780

Brushes

R2 Madapolam type

Diam. 55 mm

Minimum quantity 5 pcs and multiples. Unit price.

Thickness mm	Code
12	4528751
16	4528757
24	4528758



Diam. 80 mm

Minimum quantity 5 pcs and multiples. Unit price.

Thickness mm	Code
16	4528774
50	4528763



Diam. 100 mm

Unit price.

Thickness mm	Code
32	4528767



Diam. 110 mm

Unit price.

Thickness mm	Code
20	4528765
65	4528770



Diam. 150 mm

* = R2 special type.

Unit price.

Thickness mm	Code
15*	4528777
20	4528720
32	4528781
70	4528779



Diam. 125 mm

Brushes with special self-polishing cotton. No of cloths: 40.

Unit price.

Description	Code
Yellow	4528726
Pink	4528728



Diam. 150 mm

Brushes with special self-polishing cotton. No of cloths: 40.

Unit price.

Description	Code
Yellow	4528722
Pink	4528724





Cotton brushes - high quality

With plastic hub.

Diam. 100 mm

Unit price.

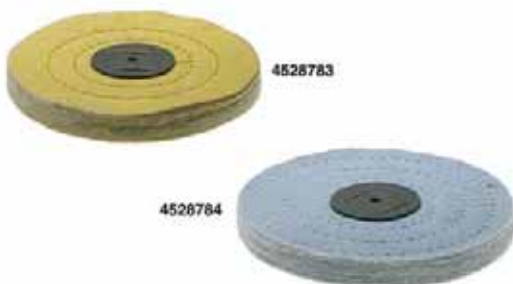
	Thickness mm	Code
Madapolam cloth	6	4528600
Madapolam cloth	9	4528601
Madapolam cloth	10	4528510
White cotton	6	4528622
White cotton	10	4528500
White cotton	20	4528505



Diam. 125 mm

Unit price.

	Thickness mm	Code
Hard yellow cotton	15	4528515
Madapolam cloth	6	4528602



I.R.A. cloth brushes

These brushes in I.R.A. cloth (Impregnation Resistance Abrasive) manage constant abrasive power by gradually releasing metal oxides for their entire life.

ø mm		No. of cloths	Code
150	Yellow	50	4528783
150	Blue	50	4528784



Basic type

Brushes in cloth, diam. 150 mm, 50 cloths in three grits:

- white= fine
- pink= medium
- green= hard

Unit price.

Description	Code
White	4528740
Pink	4528741
Green	4528742



12-cloth brushes

Brushes in 12 yellow cloths, with tight stitches, 5 mm thick.

Unit price.

ø mm	Rows of stitching	Code
100	5	4528462
150	8	4528461
180	8	4528460
200	8	4528459

Brushes

Chamois leather wheels

Diam. 90 mm.
Unit price.

Description	Code
Normal	4528655
Notched	4528656



Scotch-Brite brushes

- C= Coarse
- M= Medium
- F= Fine
- VF= Very Fine

3M brushes

In aluminium oxide and silica carbide, 3 mm shank.

Aluminium oxide brushes

Dimensions mm	Grit	Code
30x10x3	VF	4538400
30x10x3	F	4538401

Silica carbide brushes

Dimensions mm	Grit	Code
30x10x3	VF	4538410
30x10x3	F	4538411



TMB brushes

TBM is a brush with fibres in nylon which are nonwoven textiles. It contains aluminium oxide and silica carbide grains uniformly spread thanks to the binding action of synthetic resins.

TBM offers a constant cut power and is therefore the best solution for your work on different surfaces.

6 mm hole.

Dimensions mm	Grit	Code
100x30x6	TBM/A VF strong	4538008
110x30x6	TBM/A VFstrong extra	4538009
110X50X6	TBM/A VF	4538030



Brushes for satin finishing

Brushes with 6 mm hole in silica carbide (black) and aluminium (red).

Dimensions mm	Grit	Code
100x30x6	TBM AM BLACK	4538020
100x30x6	TBM AM RED	4538021





FWF brushes

Brushes in FWF fibre without shank. 6 mm hole.

Dimensions mm	Grit	Code
110x10x6	AVF	4538150
110x15x6	AVF	4538152
110x20x6	AVF	4538154
110x30x6	AVF	4538156



Compact brushes

Extra hard and compact brushes without shank. 6 mm hole.

Dimensions mm	Grit	Code
100x7x6	VF 91 HD	4538254
110x10x6	VF 91 HD	4538255
110x15x6	VF 91 HD	4538260
110x20x6	VF 91 HD	4538262
110x25x6	VF 91 HD	4538263
110x30x6	VF 91 HD	4538265



Grey brushes

Brushes in silica carbide. 6 mm hole.

Dimensions mm	Grit	Code
110x15	SC MF 75HD	4538261
100x30	SC MF 75HD	4538012
100x30	SC UF 98HD	4538013

Felt

Felt discs

Lens shape

Thickness 10 mm, medium hardness.

Minimum quantity 5 pcs and multiples. Unit price.

ø mm	Code
40	4525700
50	4525705
60	4525710



Bullet shape

Minimum quantity 5 pcs and multiples. Unit price.

Dimensions mm	Code
12x35	4525800
14x35	4525805
20x40	4525815
25x50	4525825



Cylindrical shape

Medium hardness, 5 mm hole.

ø mm	Thickness mm	Code
30	10	4525010
40	10	4525060
40	40	4525110
40	50	4525120
40	60	4525125
50	10	4525140
50	15	4525150
50	30	4525180
60	10	4525210
60	15	4525220
60	20	4525230
60	30	4525250
70	20	4525300
80	20	4525370
80	40	4525400
100	40	4525470
120	40	4525540
150	30	4525560
150	40	4525570
200	40	4525580



Felt discs "Paramount"

These discs are designed for lapping with 100% first-class wool. They grant a uniform and lasting effect. Thickness 13 mm.

Unit price.

	ø mm	Code
Hard	152	4525605
Rock hard	152	4525606
Hard	203	4525600
Rock hard	203	4525601



Felt buffs

High quality felt buffs

2.35 mm shank.

Minimum quantity 5 pcs and multiples. Unit price.



	Dimensions mm	Code
Round	10	4570030
Bud	10x14	4570070
Flame shape	8x14	4570105
Cone	6x10	4570155
Cylinder	8x15	4570035
Rounded cone	7x15	4570040
Inverted cone	21x5	4570045
Rounded cylinder	10x15	4570050
Lens shape	17x5	4570054
Lens shape	22x5	4570055
Wheel	17x4	4570062
Wheel	21x5	4570065

Basic felt buffs

2.35 mm shank.

One pack contains 10 pcs.



	Dimensions mm	Code
Cylinder	8x15	4570021
Cylinder	10x15	4570022
Rounded cylinder	10x15	4570076
Rounded cone	9x15	4570042
Round	10x10	4570085

One pack contains 12 pcs.



	Dimensions mm	Code
Cylinder	6x12	4570205
Cylinder	10x18	4570210
Cylinder	12x20	4570215
Cone	4x14	4570220
Cone	6x15	4570225
Cone	12x21	4570230
Cylinder	4x12	4570200

One pack contains 20 pcs.



	Dimensions mm	Code
Wheel - 3 layers	22x7	4565281
Cylinder	6x22	4565283
Wheel	22x7	4570115

Cones

Cone buffs, bristle

With felt tip.

Length mm	Code
60	4516010
80	4516020

With bristle tip.

Length mm	Code
80	4516140



Cone buffs, cotton

With felt tip.

Length mm	Code
60	4516100
75	4516110

With cotton tip.

Length mm	Code
60	4516120
75	4516121



Cone buffs, brass

With felt tip and crimped brass wire diam. 0.08 mm.

Length mm	Code
75	4516150



Coneuffs, felt

Great for inside ring polishing.

High quality cones

With metal ring.

Length mm	ø mm	Code
50	18-15	4516300
60	18-12	4516310
70	21-14	4516320
80	24-16	4516330



Basic cones

5 pcs each pack.

Length mm	ø mm	Code
75	18-12	4516350
95	23-18	4516355



Brushes, straight

Brushes with wooden handle. Total length 220 mm, bristle height 16 mm.

Black bristle brushes

No. rows	Code
4	4520010
5	4520020
6	4520030
8	4520040

Goat hair brushes

No. rows	Code
4	4520100
5	4520110
6	4520120
8	4520130

Brass brushes

Wire diameter: 0.8 mm.

No. rows	Code
4	4521010
5	4521020
6	4521030
8	4521040

Brushes for washout

Brushes with hard black bristle, perfect for polishing with soap. Available in two versions: paintbrush (diam. 22 mm), or standard brush (170 mm long, 7 rows).

Description	Code
Ruled brush, mm 170x7	4520500
Paint brush 22 mm diam.	4520550

Brushes, bench-type

Wooden brushes, 30x150 mm, in black bristle or goat hair.

Description	Code
Black bristle	4522050
Goat hair	4522100

Metal brushes

Brushes, metal

Circular brushes in steel, brass and alpaca. Use these brushes to get perfect satin finish effects and clean surfaces. Brass brushes are recommended for yellow metals such as gold, brass and bronze, steel brushes for white metals such as silver and aluminium, alpaca brushes for silver.

Brass brushes

Wire diameter: 0.08 mm.

Brushes with wooden hub

ø mm	No. rows	Code
60	4	4530220
80	4	4530270



Brushes with plastic hub

ø mm	No. rows	Code
100	2	4530300
100	3	4530310
100	4	4530320
100	5	4530330
100	6	4530340
100	8	4530350



Alpaca brushes

Wire diameter: 0.06 mm, plastic hub.

ø mm	No. rows	Code
100	4	4531010
100	5	4531020



Steel brushes

Wire diameter: 0.08 mm, plastic hub.

ø mm	No. rows	Code
100	4	4532050
100	5	4532060



Wire diameter: 0.10 mm, plastic hub.

ø mm	No. rows	Code
100	4	4532100
100	5	4532110



Brushes, texturing

To get a particular finish effect in an easy and quick way. Without shank.

IDEAL brushes

High quality brushes made of burnished steel.
80 mm diameter.

Wire ø mm	Code
0.20	4535200
0.30	4535210
0.45	4535220
0.63	4535230





Standard brushes

Brushes with steel wire, 90 mm diameter, 25 mm thickness.

Wire ϕ mm	Code
0.60	4535276
0.70	4535277
0.80	4535278
1.00	4535280



Hard wire brushes

Brushes with tempered steel wire, wooden hub (diam. 40 mm), with 1 or 2 rows.

ϕ mm	Wire ϕ	No. rows	Code
100	0.12	1	4535015
100	0.15	1	4535016
120	0.12	1	4535025
120	0.15	1	4535026
120	0.15	2	4535110
120	0.20	2	4535111

With shank

These brushes give the surface a satin finish; available up to 8 different wire diameters, the thicker the rougher finish. Easy to identify thanks to the different color of the plastic hub.



Brushes diam. 13 mm

Plastic hub diam. 9 mm, thickness 5 mm.

Wire ϕ mm	Colour	Code
0.20	Yellow	4535234
0.30	Red	4535236
0.40	Blue	4535237
0.50	Green	4535238



Brushes diam. 16 mm

Plastic hub diam. 10 mm, thickness 12 mm.

Wire ϕ mm	Colour	Code
0.20	Yellow	4535242
0.30	Red	4535243
0.40	Blue	4535244
0.50	Green	4535245



Brushes diam. 40 mm

Plastic hub diam. 20 mm, thickness 8 mm.

Wire ϕ mm	Colour	Code
0.20	Yellow	4535263
0.30	Red	4535262
0.45	Blue	4535261
0.60	Green	4535264
0.70	Grey	4535265
0.80	Black	4535266
1.00	Black-grey	4535267



Brushes diam. 40 mm

Plastic hub diam. 20 mm, thickness 12 mm.

Wire ϕ mm	Colour	Code
0.20	Yellow	4535250
0.30	Red	4535252
0.45	Blue	4535254
0.60	Green	4535256
0.70	Grey	4535257
0.80	Black	4535258
1.00	Black-grey	4535260

Tubular paint-brushes

Paint-brushes, black bristle

Minimum quantity 10 pcs and multiples. Unit price.

ø mm	Code
3	4560010
4	4560020
5	4560030
6	4560040
7	4560050
8	4560060
9	4560070
10	4560080



Paint-brushes, cotton yarn

Minimum quantity 10 pcs and multiples. Unit price.

ø mm	Code
4	4560210
5	4560220
6	4560230
7	4560240
8	4560250
9	4560260
10	4560270





Brushes ALFA

Available in various materials for different purposes.

High quality

Minimum quantity 5 pcs and multiples. Unit price.

Description	Code
Black bristle	4565010
White bristle	4565015
Goat hair	4565020
Steel wire	4565030
Brass wire	4565040



Basic type

20 or 100 pcs each pack.

Black bristle brushes

Description	Code
20 pcs bag	4565011
100 pcs box	4565012



Goat hair brushes

Description	Code
20 pcs bag	4565023
100 pcs box	4565024



Brown horsehair brushes

Description	Code
20 pcs bag	4565025
100 pcs box	4565026



Steel wire brushes

Description	Code
20 pcs bag	4565027
100 pcs box	4565028



Brass wire brushes

Description	Code
20 pcs bag	4565045
100 pcs box	4565046

Handpiece brushes

Brushes BETA

High-quality cup brushes. Minimum quantity 5 pcs and multiples. Unit price.

Description	Code
Black bristle	4565100
White bristle	4565105
Goat hair	4565110
Cotton yarn	4565120
Steel wire	4565130
Brass wire	4565140



Brushes GAMMA

Disc brushes in various materials.

High quality type

Minimum quantity 5 pcs and multiples. Unit price.

	Ø mm	Code
Black bristle	19	4565201
Black bristle	22	4565200
Brass wire	19	4565240
Augusta cloth	22	4565250
Madapolam cloth	22	4565260
Chamois leather	20	4565270
White bristle	19	4565206
White bristle	22	4565205
Goat hair	19	4565209
Goat hair	22	4565210
Cotton yarn	22	4565220
Steel wire	19	4565230
Scotch-Brite	25	4565235



Basic type

20 or 100 pcs pack.

Brown horsehair

Diam. 19 mm.

Description	Code
20 pcs bag	456505#-D19-CF.20
100 pcs box	456505#-D19-CF100

Diam. 22 mm.

Description	Code
20 pcs bag	456505#-D22-CF.20
100 pcs bag	456505#-D22-CF100

Diam. 25 mm.

Description	Code
20 pcs bag	456505#-D25-CF.20
100 pcs box	456505#-D25-CF100





Black bristle

Diam. 19 mm.

Description	Code
20 pcs bag	456515#-D19-CF.20
100 pcs box	456515#-D19-CF100



Diam. 22 mm.

Description	Code
20 pcs bag	456515#-D22-CF.20
100 pcs box	456515#-D22-CF100



Diam. 25 mm.

Description	Code
20 pcs bag	456515#-D25-CF.20
100 pcs box	456515#-D25-CF100



Goat hair

Diam. 19 mm.

Description	Code
20 pcs bag	456501#-D19-CF.20
100 pcs box	456501#-D19-CF100



Diam. 22 mm.

Description	Code
20 pcs bag	456501#-D22-CF.20
100 pcs box	456501#-D22-CF100



Diam. 25 mm.

Description	Code
20 pcs bag	456501#-D25-CF.20
100 pcs box	456501#-D25-CF100

Ultrasonic cleaners

Ultrasonic cleaners

These cleaners are built to clean high finished items like goldsmiths and silversmiths products. They perfectly remove oils, powders and resins.

High quality cleaners

With the analogue version of these machines you can heat the liquid to a constant temperature, with the digital one you can set cleaning power, time and temperature.

- Basket dimensions: 235x135x145h mm
- Capacity: 4 liters
- Power: 300W analogue - 400W digital
- Heat power: 300 W
- Frequency: 40kHz
- Overall dimensions: 320x220x280h mm
- Weight: 4,4 kg

Description	Code
Ultrasonic mod. USCP104 - 4 liters - digital	1715139
Ultrasonic mod. USCP104 - 4 liters - analogue	1715140
Hanger - with 8 hooks	2715145



1715139



1715140

Pulse System cleaners

The line Pulse System is the most advanced method to grant perfect cleaning even with extra dirty items with lots of undercuts. Pulse System is a sophisticated software which enables you to optimize the quality of cleaning because it matches the power of ultrasounds simply recognizing the item to clean and its degree of dirt.

Functions:

- 1- the Pulse function is adjustable by the operator in order to optimize the cleaning of every item,
- 2- the Sweep function is automatic in order to grant a uniform cleaning action,
- 3- the AFR function is automatic in order to meet a specific cleaning with each kind of item. The best work frequency, temperature and liquid level are calculated according to the characteristics of the item.
- 4- the Auto Degas is automatic in order to find precisely the power for the liquid degasification.

Features:

- Thermostat control.
- Timer to set the cleaning time.
- Tank cover.
- Tank and frame completely in stainless steel.
- Silent working.

Capacity	Tank dimensions mm	Ultrasound power W	Voltage	Code
1,75 l	153x140x100h	140W	220V- 50/60Hz	1715501
2,75 l	240x137x100h	150W	220V- 50/60Hz	1715505
4,30 l	240x137x150h	280W	220V- 50/60Hz	1715511
5,75 l	300x150x150h	300W	220V- 50/60Hz	1715512
9,50 l	300x240x150h	550W	220V- 50/60Hz	1715513



1715513



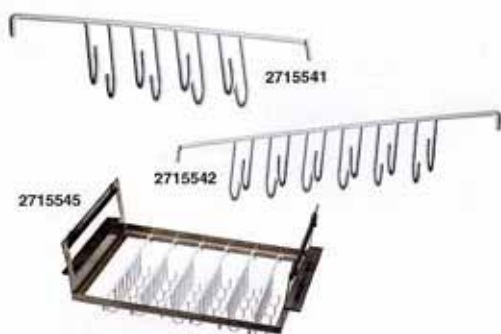
1715505

Pulse Silent cleaners

The Silent ultrasonic cleaners have a maximum noise emission of 76.6 dB thanks to its soundproof structure and hermetic seal. This grants also a considerable energy saving.

Capacity	Tank dimensions mm	Ultrasound power W	Voltage	Code
25 l	350x250x300h	800	220V- 50 Hz	1715556
50 l	500x250x400h	1200	220V- 50 Hz	1715565





Racks, for ultrasonic cleaners

Description	Code
Plastic rack with 8 pegs	2715541
Plastic rack with 12 pegs	2715542
Rack for 18 l cleaner	2715545
Rack for 25 l cleaner	2715546
Rack for 50 l cleaner	2715548



Baskets, for ultrasonic cleaners

Description	Code
For 3.5 and 5 l cleaner	2715504
For 6.5 lt cleaner	2715550
For 10.5 lt cleaner	2715551
For 18 l cleaner	2715553
For 25 l cleaner	2715552
For 50 l cleaner	2715554



Elma ultrasonic cleaners

These machines are known all over the world for their efficacy and rapidity. Frequency 37 kHz.

Elmasonic cleaner

Ultrasonic cleaner 0.9 l with lid and basket. For professional use without heating timer from 1 to 30 minutes.

Tank dimensions: 194x84x60h mm.

	Capacity l	Code
Ultrasonic cleaner Elmasonic	0.09	1715480



Ultrasonic E series

These cleaners are perfect for retail stores and laboratories. They have timer from 1 to 30 min continuous operation and thermostatically controlled heating.

	Capacity l	Code
Ultrasonic cleaner mod. E 15/H	1.75	1715482
Stainless steel basket for E 15/H		2715300
Ultrasonic cleaner mod. E 30/H	2.75	1715484
Stainless steel basket for E 30/H		2715301
Ultrasonic cleaner mod. E 60/H	5.75	1715485
Stainless steel basket for E 60/H		2715302
Cleaning basket		4253325

Cleaning solutions

Ultrasonic solutions

90/3 soap

90/3 is a degreasing product for massive gold and silver; the product must be used in 1-3% in ultrasonic tanks with temperature from 60 to 80°C. For normal waters 450 g of product every 50 liters of water is suggested. The concentration varies on the hardness of waters: harder waters demand a bigger amount of soap.
In cans of 5 liters.

Description	Code
Radial 90/3	4580507

In cans 25 liters each. Price for 1 liter.

Description	Code
Radial 90/3	4580505



Andy Gold ultrasonic soap

Andy Gold is purposely studied for the working of precious metals. It is particularly indicated to clean gold and silver, both for the ultrasonic cleaning of precious metals and for the cleaning of polishing and finishing pads.
In cans, 20 kg each.

Description	Code
Andy Gold	4580251





Steam-cleaning machines

These machines are the perfect tool both for industrial work and for workshops. They successfully remove paste, soap, resins, wax, oils and other deposits. They can be used both for polishing and for rinsing after ultrasonic cleaning. The steam output is adjustable up to 8 bar and the steam is very dry. They can be used with light water.

Three versions are available, they all have fixed nozzle, analogue steam pressure display, LED display to indicate the working phase. Water fill is manual.

Elmasteam 3

Capacity: 3 liters.
Power consumption: 1700W
Voltage: 230V
Dimensions: 275x288x305h mm.

Description	Code
ES 3 steam machine	1720505



Elmasteam 5

Capacity: 5 liters.
Power consumption: 2800W
Voltage: 230V
Dimensions: 375x288x305h mm.

Description	Code
ES 5 steam machine	1720500



Elmasteam 10

Capacity: 10 liters.
Power consumption: 2800W
Voltage: 230V
Dimensions: 375x288x305h mm.

Description	Code
ES 10 steam machine	1720510



Recovery tanks

Recovery tanks in stamped stainless steel. The sink is mounted on a tubular structure with 1, 2 or 3 taps and pipes to be connected with the water system. The tank is divided into compartments for the decantation of the heaviest parts of the water. It can be provided with a rotating suction pump (which is built in antiacid material) that allows the suction of the tank through a floating filter.

1-tap recovery tank

Decantation 1-tap recovery tank, with stainless steel and PVC tank. Dimensions: 50x51x137h cm.

Weight: 25 kg.

Available also with pump (total weight: 30 kg).

Description	Code
1-tap recovery tank	1738650
1-tap recovery tank - with pump	1738651



2-tap recovery tank

Decantation 2-taps recovery tank, with stainless steel and PVC tank. Dimensions: 98x51x137h cm.

Weight: 45 kg.

Available also with pump (total weight: 50 kg).

Description	Code
2-tap recovery tank	1738652
2-tap recovery tank - with pump	1738655



3-tap recovery tank

Decantation 3-taps recovery tank, with stainless steel and PVC tank. Complete with pump. Dimensions: 153x57x140h cm.

Weight: 65 kg.

Description	Code
3-tap recovery tank - with pump	1738656



Cleaning products

Special products for grease, oils etc.

Asuil Forte

Special product with high cleansing power. It protects your skin thanks to wheat germ proteins and natural washing plant agents. In bottles of 1 l with measuring cup or in cans of 5 l each.

Description	Code
Asuil Forte - 1l	4508055
Asuil Forte - 5 l	4508054



Arrow Clean

It protects the skin when working with oil, grease, paint, laquer, adhesives, resins, fiberglass, silicone paste, dust etc. It does not transfer, thus preventing fingerprints on surfaces when properly applied and dry. Biodegradable - dermatologically tested. 1 l bottle.

Description	Code
Arrow Clean for hands - 1000 ml	4508150



Barr S cream

Oilprotective paste; it protects hands from oily substances such as solvent, oil, grease etc. In 100 ml dispenser.

Description	Code
Barr S	4508125



Hand detergent paste

Abrasive paste without sand, it removes strong and thick dirt form hands. It is the result of the combination of natural detergents and soaps. In tins of 1 or 5 kg.

Description	Code
Hand detergent paste - 1 kg	4508049
Hand detergent paste - 5 kg	4508050



Filters

10li filters for recovery tanks.

Description	Code
Net filter	2738135
Cartridge filter - 10µ	2738118



Filter bags

For the recovery of muds.

Dimensions G1P10: ø 18.5x40h cm.

Dimensions G2P10: ø 18.5x80h cm.

Description	Code
Filter bag G1P10	4597300
Filter bag G2P10	4597310



Felt filters

	Dimensions mm	Code
Felt filter 20 l	530x530	4597040
Felt filter 30 l	630x530	4597060

Cleaning cloths

Polishing cloths

Cloths for the polishing and mirror finishing of jewelry and silversmiths products.

Sunshine polishing cloth

Sunshine cloth cleans and brightens with special non-scratch micro-abrasives. To be used on gold, silver, brass, copper and bronze.

Dimensions: 190x127 mm.

Description	Code
Sunshine cloth	4590100



Heirloom cloth

Clean your finest jewelry pieces with this exclusive polishing cloth. Heirloom cloth is specially designed for use on platinum and gold alloys and was engineered to gently clean and polish. Please note: Heirloom cloth is not intended for use on heavily tarnished pieces.

Dimensions: 248x197 mm.

Description	Code
Heirloom cloth	4590110



Hagerty Professional Cloth

Superfine, high quality micro-fibre cloth.

Description	Code
Professional Cloth	4590202



Hagerty Silver Duster Cloth

Impregnated cloth that removes tarnish and restores a long-lasting shine to silver.

Dimensions: 350x550 mm.

Description	Code
Silver Dusters cloth	4590210



Hagerty Silver Glove

Specially 5-fingers treated glove for silversmiths, that cleans, polishes and protects silver from tarnish.

One pair.

Description	Code
Silver Glove	4590550





Driers, sawdust

Sawdust drying procedure, used in gold and silversmiths and glasses manufacturers, guarantees the perfect removal of liquids and moisture from objects with glossy surfaces. The driers are equipped with a removal basket in which the objects for drying are placed. Inside, a motor-driven fan sends a flow of hot air through a surface containing the sawdust necessary for the process.

The control panel allows to program both the duration of the operation and the air flow temperature. The result is a gentle but extremely effective treatment, which leaves the objects perfectly dry and bright.

There are 2 models available: the small (V250) is to be leant on a working table, perfect for little laboratories. The large one (V500) is indicated for average mass productions.

- Voltage: 220V/50Hz.

- Heating power for V250: 600 W; for V500: 1700W.

Mod. V250 dimensions: 50x33x41h cm; weight: 22 kg.

Mod. V500 dimensions: 75x41x87h cm; weight: 42 kg.

Description	Code
Volumex 250 sawdust drier	1710285
Volumex 500 saw-dust drier	1710310



Driers, centrifuge

These machines are indicated particularly for drying small pieces: galvanic, costume jewellery, plastic, rubber, goldsmith, watchmakers, eyeglass industry, etc. Available in 3 versions: 1.5 kg (=2 lt), 10 kg (=18 lt) and 25 kg (=28 lt).

Mod. Krommy dimensions: 27x38x50h cm; weight: 29 kg.

Mod. Krom minor dimensions: 46x70x88h cm; weight: 85 kg.

Mod. Krom 2 dimensions: 60x80x95h cm; weight: 130 kg.

Description	Code
Centrifuge drier Krommy - 1.5 kg	1712130
Centrifuge drier Krom Minor - 10 kg	1712141
Centrifuge drier Krom 2 - 25 kg	1712142

Filter bags

Bags for centrifuge driers.

Description	Code
Felt filter diam. 330 mm	2712154
Felt filter diam. 290 mm	2712153
Felt filter diam. 210 mm	2712138



PEN PLATING SYSTEM

Simple and compact innovative PEN-PLATING SYSTEM with a revolutionary design and high quality standard of materials and electrical components, as well as an excellent quality/price ratio.

Characteristics:

- Possibility of connecting up to three different pens, for plating with three different solutions
- Accurate digital voltage control, from 1.2 V to 12 V
- 100-240 V / 50-60 Hz
- Materials resistant to acid and alkaline solutions
- 1 plating pen, cables, 5 tips, 2 glass beakers and 2 PET beakers are included in the package

Description	Code
Pen plating system	PENPLATSYS



MINIPPS

Unit for extremely practical pen plating at a very limited cost. 7 pre-set voltage levels, selected by means of an external switch.

Characteristics:

- materials resistant to acid or alkaline solutions
- 220 V / 50-60 Hz
- 7 available voltage levels
- Low cost

Description	Code
Mini Pen System	MINIPPS



Accessories

Description	Code
Pen only - with platinum collar	PENPLAT
Graphite electrode pen	PENGRAF
Cable only	PENCAB
Black cable with clip	PENBLACK
Crossed straight nippers	4235010
Glass container only	7501004
Plastic container only	3004004



Masking pen

Fiber-tipped red pen for masking small parts or stones before dipping the object into the galvanic solution.

Description	Code
Masking pen - fine tip	2701241
Masking pen - large tip	2701237



Pen plating tips

Spare tips for pen plating.
Minimum quantity: 5 pcs. Unit price.

Description	Code
White - 2 mm	2701243
White - 3,7 mm	2701251
Brown - 23 mm - fine tip	2701256
Brown - 23 mm - bullet tip	2701253
Brown double-ended - 45 mm	2701258
Electrode pen felt	3004020

Plating accessories

Galvanic plants

2-liter, 4 rectangular tanks, with fumes suction

- Panel with double digital tension control
- Power rectifier 25 amp - 10 V
- Double electronic analogue job timer
- Facility to work simultaneously with different sets
- Magnetic agitation electrolytic bath
- Internal sink to connect to the water system
- Dimensions: 80x36x30h cm
- Weight: 24 kg.

Description	Code
Galvanic equipment 4 moplen tanks of 2 l	1701380
2 liters PVC tank with heater holder	2701170
PVC tank - 2 litres	2701172
Suction machine - 220V	2701600



2-liter, 4 round tanks

This is a cheap but very effective product. It is particularly indicated for all the laboratories interested in high-quality rhodium plating.

- Stainless steel and titanium anodes
- Timer and thermostat to set the bath temperature
- Closure cover to protect the bath when the plant is off
- Dimensions: 65x35x40h cm

Weight: 19.3 kg

Description	Code
Galvanic equipment 4 pirex tanks of 2 l	3007012
Pyrex round beaker - 2 l	2701199



5-liter, 4 rectangular tanks, with fumes suction

- Panel with double digital tension control
- Power rectifier 50 amp - 10 V
- Double electronic analogue job timer
- Facility to work simultaneously with different sets
- Magnetic agitation electrolytic bath
- Internal sink to connect to the water system
- With steel and titanium anodes
- Dimensions: 103x41x34h cm
- Weight: 32 kg.

Description	Code
Galvanic equipment 4 tanks, 5 liters	1701385



Hook-support

Support with 5 and 10 hooks for galvanic unit.

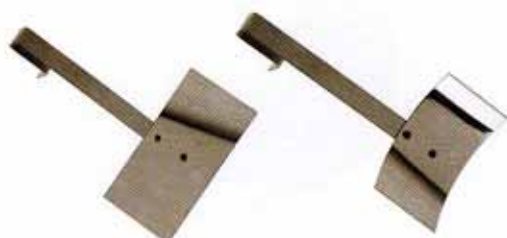
Description	Code
Support - 5 hooks	2701280
Support - 10 hooks	2701282



Anode, steel

Dimensions: 150x50x0.5 mm.

Description	Code
For round tank	2701383
For rectangular tank	2701382





Anode, titanium

	Dimensions mm	Code
For rectangular tank - 5 l	150x50x1.4	2701386
For round tank - 2 l	100x50x1.4	2701381



Lacquer thinner

Lacquer for plating. Price for 1 liter.

Description	Code
Light blue - for gold plating	4595801
Red - for rhodium plating	4595803



Electrolytic degreaser

SGR1 is an alkalyne degreaser with surface-active agents. It is indicated for degreasing and activation of silver, gold, copper surfaces and their alloys. Due to the presence of caustic factors, SGR1 offers strong capacity in lipids saponification and dissolution of polishing pastes. Furthermore it contains particular substances able to inhibit metallic ions thus preventing them from re-depositing.

In cans, 3 l each.

Description	Code
Electrolytic degreaser - 3 l	SGR1



Degreasing powder

SGR1P is a powdered alkalyne degreaser with surface-active agents. It is indicated for degreasing and activation of silver, gold, copper surfaces and their alloys. Due to the presence of caustic factors, SGR1P offers strong capacity in lipids saponification and dissolution of polishing pastes.

Furthermore it contains particular substances able to inhibit metallic ions thus preventing them to re-deposit.

In tins, 1 kg each.

Hazardous shipping charges apply when shipped. Please ask for quotation.

Description	Code
Powder electrolytic degreaser	SGR1P



Activation solution, ready-to-use

NEUT1 is an acid neutralizer for plating solution and its use is suggested for rinses neutralization after alkaline plating treatments, such as degreasing processes.

NEUT1 is a ready-to-use solution and can be used at room temperature.

Description	Code
Ready-to-use activation solution - 5 l	NEUT1

Plating accessories

Neutralizer, NEUT-SA

NEUT-SA is a water dissoluble salt that forms a neutralizing solution for plating baths. Using NEUT-SA is recommended to substitute standard strong acidic neutralizing solutions, which are much more aggressive and dangerous to the operator, or for plating processes in which rinsing steps are not optimal.

In tins, 1 kg each.

Description	Code
Neutralizer	NEUT-SA



Neutralizer, NEUT-CN

Atoxic neutralizing salt for cyanides.

In tins, 1 kg each.

Description	Code
Neutralizing salt for cyanides	NEUT-CN



Anti-Tarnish

TENARIS is a non-toxic chemical solution that can prevent the oxygen in the air from tarnishing treated objects in silver. It is not a paint or a coating, but a colourless and invisible chemical barrier, which remains effective over time. Tenaris is recommended to prevent tarnish not only for objects in silver, but also for those in low carat gold alloys.

Characteristics:

- No electrical current during use as the item is simply submerged in the solution.
- Simple to manage.
- No alteration of the physical characteristics of the material treated.
- Low environmental impact.
- Easy removal of the passivated layer from pieces when a new treatment is required.
- Excellent resistance to sulphidation.
- Chromium free

In bottle, 1 liter each.

Description	Code
Anti-tarnish solution	TENARIS



Oxidizer solutions

For brass, copper and silver.

Unit price for 1 liter.

Description	Code
Silver oxidizer	4595700
Brass and copper oxidizer	4595710
Brass and copper oxidizer Bronzo EL	4595715



Silver blackener

In bottles, 10 liters each.

Description	Code
Silver blackener - 10 l	4595720





Technology, competence and skill make brilliant ideas

Leger Group offers a complete range of revolutionary and unique electrolytic Rhodium solutions. The high quality of the deposit makes these solutions the fundamental product for every goldsmith looking for nothing else but excellence: perfect finish, extra white and bright deposits, excellent penetrating power, complete coating and first-rate distribution.

Ultrabright Rhodium is particularly appreciated when used for the setting of brilliant-cut diamonds.

Rodium bath solutions

RH2C

Excellent brightness and white colour.

Description	Code
Ready-to-use rhodium, 2 g/l	RH2C
Rhodium concentrate, 2 g/100 ml	RH2FC
Rhodium concentrate, 0.5 g/25 ml	RH2FC-25ML



RH2D

Unique brightness and white colour.

Description	Code
Ready-to-use rhodium, 2 g/l	RH2D
Rhodium concentrate, 2 g/100 ml	RH2FD



RH1D

Low concentration, white and bright.

Description	Code
Ready-to-use rhodium, 1 g/l	RH1D
Rhodium concentrate, 1 g/100 ml	RH1FD



RH2W

Extra-white and very easy to use.

Description	Code
Ready-to-use rhodium, 2 g/l	RH2W
Rhodium concentrate, 2 g/100 ml	RH2FW
Rhodium concentrate, 0.5 g/25 ml	RH2FW-25ML

RH2B

For black deposits.

Description	Code
Ready-to-use rhodium, 2 g/l	RH2B
Rhodium concentrate, 2 g/100 ml	RH2FB



Rhodium for pen

RH2P

White color.

Description	Code
Rhodium for pen, 2 g/100 ml	RH2P
Rhodium for pen, 0.5 g/25 ml	RH2P-25ML



RH2PW

Extremely white colour.

Description	Code
White rhodium for pen, 2 g/100 ml	RH2PW
White rhodium for pen, 0.5 g/25 ml	RH2PW-25ML



RH2PB

Black color.

Description	Code
Black rhodium for pen, 2 g/100 ml	RH2PB
Black rhodium for pen, 0.5 g/25 ml	RH2PB-25ML



RH2PBLUE

Blue color.

Description	Code
Blue rhodium for pen, 2 g/100 ml	RH2PBLUE
Blue rhodium for pen, 0.5 g/25 ml	RH2PBLUE25





Palladium plating solution

PD2 is a ready-to-use palladium plating bath especially designed for flash plating. PD2 is noteworthy for the highly compact consistency and resistance of the galvanic layer which makes it particularly suitable for pre-rhodium treatment on articles in low carat gold and silver. PD2 is also used as a barrier against the diffusion of gold deposits on copper and copper alloys. These characteristics also make PD2 particularly suitable for use as an intermediate layer between white gold and rhodium, considerably reducing the possibility of any scratches and abrasion of the rhodium-plated layer affecting the alloy below. This property is particularly important in order to prevent the release onto the skin of white gold alloys containing nickel.

Characteristics:

- White colour
- Low concentration of palladium
- High stability
- Non-toxic, non-corrosive
- Neutral pH
- Easy to use

Description	Code
Palladium ready-to-use bath, 2 g/l	PD2



Gold plating bath

GF gold plating bath

GF are cyanide based alkaline gold plating flash baths.

GF gills are available in a ready-to-use version or as forming salts with their replenishers. All GF solutions are nickel-free.

The GF gilding series has been designed for "flash" colour application processes, in order to give thicknesses <0.2 microns.

The gills are freely on sale since the toxic substances contained are below the limits established by law.

Features:

- Flash gold plating
- Working temperature 45-55°C
- Good penetrating power
- Low gold content
- Nickel free
- Alkaline base

Description	Code
Gold Flash 1N	GF1N
Gold Flash 2N	GF2N
Gold Flash 3N	GF3N
Gold Flash 4N	GF4N
Gold Flash 5N	GF5N
Gold Flash 24	GF24
Red gold flash	GFRED



GT4A galvanic bath

GT4A bath is an acidic gold plating bath for thick deposits producing a coating of from 1.0 to 4.0 microns.

The GT solution is nickel-free. Available ready-to-use or as forming salts with related replenisher.

Characteristics:

- ̄ Thick gold plating
- ̄ Slightly acidic base
- ̄ Good distribution
- ̄ Easy to use
- ̄ 4 g/l gold
- ̄ Nickel-free

Description	Code
Plating bath - 1 liter	GT4A

Other plating solutions

GY1/24 gold plating solution

GY1/24 is a flash ecological, cyanide-free, atoxic, 24kt yellow gold plating solution.

- Flash gold plating
- Working temperature 40-50°C
- Optimal penetrating power
- First-rate distribution.
- Nickel free

Description	Code
24kt plating solution - 1 g/l	GY1/24



Gold for pen plating bath

Alkaline gold solutions for pen plating.

GY2P 24kt gold for pen

GY2P is a galvanic solution for gold decoration by means of pen.

- 24kt gold colour
- Working at room temperature
- Good penetrating power
- Easy distribution.

Description	Code
24 kt gold for pen - 2 g/100 ml	GY2P



Platinum bath

The PT4 Platinum decoration process is designed to be very easy to use. Its characteristics and the uniform thickness make it a unique product. PT4 is the best solution for all goldsmiths who wish to have an even surface and uniform brilliance on their platinum creations or on any other precious-metal product, by the electro-deposit of a pure platinum layer. PT4 can be used directly on silver, palladium, gold, nickel and their alloys.

Characteristics:

- Brilliant, uniform layers
- Good penetration power
- Excellent distribution
- Easy to use

Description	Code
Platinum for bath, 4 g/l	PT4



Ruthenium bath

Ruthenium plating processes are both effective and easy. Legor Group's line of ruthenium decoration plating offers two different products: RU5BLACK, ruthenium bath with black deposits and RU5GRAY, ruthenium bath with anthracite grey deposits.

- Black or anthracite grey colour
- Hard and shiny deposits
- Good penetrating power
- Exceptional distribution
- Wide metal concentration range
- Easy to be used

Description	Code
Black ruthenium, 5 g/l	RU5BLACK
Grey ruthenium, 5 g/l	RU5GRAY





Respirators, half facepiece

Moldex half facepiece respirator mod. 8003

Long-lasting rubber half facepiece respirator with soft facial and elastic harness. Large valve (2 filters) with low breath resistance.

Spare filters separately available: the mod. 8100 is for gas and organic vapour, the mod. 8900 is for ammonia and methylamine.

Description	Code
Half facepiece respirator mod. 8003	4124055
Spare filters (couple) mod. 8100	4124056
Spare filters (couple) mod. 8900	4124057



Moldex half facepiece respirator mod. 5164

Moldex 5164 is an innovative respirator realized in one single piece. It protects you against powders and organic vapour. Its single-block structure, which includes activated carbon elements and antipowder filters, makes it comfortable and allows a good peripheral vision.

Heat and humidity are reduced by means of a valve for the breathing out. The facial part is made in an anallergic material to reduce skin irritation. The harness and the adjustable strap allow an easy wearing.

Description	Code
Respirator 5164	4124630



Moldex particulate respirators

Particulate respirator mod. 1100

Hygienic nonwoven respirator.

- Indicated for dust, non-dangerous large particles.
 - It features good filter power.
- In 10 pieces package.

Description	Code
Mod. 1100	4124600



Particulate respirators FFP1 type

Respirators complying with all main standards. Ventex valve improves comfort feeling and helps the breathing out of hot and wet air.

They are lightweight and highly adaptable and they have a double string for a better fitting. They are particularly indicated when working with iron, rust, piling and filling materials.

Mod. 2360 is in packs, 3 pcs each.

Description	Code
Mod. 2360	4124605
Mod. 2365 - with filter	4124607



Particulate respirators FFP2 type

The respirators of this series have been studied in order to guarantee a high level of comfort also in case of extended use. The soft cloth in the inner side of the mask assures the maximum comfort and lets the operator speak without difficulty.

They are indicated to use when working wood, steel, varnishes, fiberglass, fumes of welding and oils spraying.

This respirator features Ventex valve, that permits a very good breathing, and has double elastic and nose-tighten.

Description	Code
Mod. 2405	4124610

Respirators

Particulate respirators series FFP3

These respirators satisfy the strict rules of breath protection. They offer:

- Exhale valve for internal heat reduction.
- Face pliability.
- Double string and nose-tight.

They are indicated to be used when working with stainless steel, anti-vegetative paint, asbestos fibre (up to 5 fibers/cc) and heavy metals (chrome, nickel, lead).

Description	Code
Mod. 2505	4124620



Particulate respirators mod. 3305 and 3405

- Comfortable design and lightweight material
- Maximum protection against powders
- Ventex filter: it reduces heat inside the respirator
- Soft harness and adjustable straps.

Mod. 3305

Respirator 3305 is at least 92% efficient against fine dusts, water based and non-volatile liquid aerosols down to 0.5 micron.

Description	Code
Mod. 3305	4124615



Mod. 3405

3405 respirator is indicated for high-danger powder of general use.

Description	Code
Mod. 3405	4124618



Respirator, mod. Alpha

Green respirator in nonwoven, synthetic fiber material. Large depth with special structure to avoid deflating. Anallergic. It filters non-dangerous particles with diam. > 5 micron. Minimum quantity: 10 pcs. Unit price.

Description	Code
Alpha respirator	4124010



Respirator full facepiece, 3S

Long-lasting anallergic respirator with soft facial part and elastic harness.

Description	Code
Full facepiece respirator 3S	4124090
P/3-62 filter	4124091



Ear muffs and safety glasses



Lightweight Face Shield

Allows full unrestricted vision and fits over regular eyeglasses. Polyethylene headgear; impact-resistant shield.

Description	Code
Headgear only	4123710
Transparent shield	4123719
Light green shield	4123720
Dark green shield	4123721
Gilded shield	4123722



Ear plugs

Moldex banded ear plugs mod. 6700, extra-flexible, with parts in polyurethane foam. It guarantees minimum constant pressure for every size.

Description	Code
Banded hearing protector mod. 6700	4124530
Replacement pads mod. 6750	4124531



Muffs

Mod. Moldex Z2

- Soft and comfortable pads
- Adjustable padded ear dome height
- With strap to hold the headset behind the neck or under the chin
- SNR: 30 dB
- Weight: 215 g.

Description	Code
Ear muffs mod. 6220	4124105



Mod. M2

Lightweight, with a soft padded headband for extra comfort, these padded ear muffs feature multi-position ear cups, contoured ear cushions and a sliding headband tension adjustment system. Recommended for moderately high noise situations (SNR: 27 dB).

Description	Code
Ear muffs mod. M2	4124107

Ear muffs and safety glasses

Safety glasses

Mod. Carboglass B-272

- One-lens glasses with nylon frame.
- Blue sticks adjustable in inclination.
- Anti-scratches and demisting colourless polycarbonate lens.
- Lateral protections.

Description	Code
Carboglass glasses mod. B-272	4124220



Mod. 501

High-protection glasses with perfect adhesion to the face; the lenses in CR39 with thickness 3,2 millimeter guarantee resistance to particles and warm sparkes, avoiding premature deterioration (ideal for emery polishing and grinding).

- Micrometric regulation in length of the sidepieces
- Regulation of front part inclination
- Ergonomic and soft structure to reduce any local pressure
- Interchangeable polycarbonate lens
- Crushproof and heat-resistant frame.

Description	Code
Glasses mod. 501	4124230



Gloves



Gloves

In different materials and sizes for your needs in every work process. Price for 1 pair.

Aerostar cotton jam gloves

Description	Code
5/6, white edge	412344#5/6
6/7, green edge	412344#6/7
7/8, blue edge	412344#7/8
8/9, yellow edge	412344#8/9
9/10, red edge	412344#9/10

4123300



4123325



4123316



4123331

Anti-acid gloves

These gloves have been specifically created to protect your hands when handling corrosive and dangerous products.

Description	Code
Nitrile gloves	4123300
Neo Top - 50011	4123316
Acid-resistant rubber gloves	4123325
PVC acid-resistant gloves	4123331



Kidskin gloves

Description	Code
Kidskin gloves	4123200



Double-knit cotton gloves

Description	Code
for man	4123435
for woman	4123436



4123100



4123120



4123130



4123170

Leather gloves

Description	Code
Standard	4123100
Strengthened inner/outer side	4123120
Strengthened 3 times	4123130
Riveted, strengthened twice	4123170

Gloves

Aluminized gloves

Description	Code
35 cm	4123030
50 cm	4123060



Kevlar Gloves

Kevlar yarn offers an extraordinary resistance to cut and high temperature. Perfect grip when working with oils and grease. Even when handling organic solutions and diluted acids the fiber maintains its performance.

Max. temperature for washing: 40°C

Description	Code
28 cm - GE	4123082
37 cm - GE	4123083
50 cm gloves	4123084



Kevlar mittens

Description	Code
35 cm - GE	4123088
45 cm - GE	4123089



Nitrile gloves

This glove offers comfort and protection, a good elastic performance and resistance to abrasion. Used when handling hydrocarbons, oils and greases, it maintains its anti-slipping and impermeability features.

100 pcs package.

Description	Code
Small size	412339#S.
Medium Size	412339#M.
Large size	412339#L.
Extra Large size	412339#XL





Nylon gloves

100% nylon yarn gloves.

- Coating layer in polyurethane on palm.
- Elastic wrist band and airy back.
- Indicated for delicate operations where precision is needed.

Description	Code
Size 6 - S	412343#S.
Size 7 - M	412343#M.
Size 8 - L	412343#L.
Size 9 - XL	412343#XL
Size 10 - XXL	412343#XX



Rubber gloves

These gloves in rippled rubber protect arms and hands. 50 cm long. Standard size.

Description	Code
Rubber gloves	4123350



Gloves for sanding machine

Gloves in Flexgum for sanding machine. 60 cm long.

Description	Code
Gloves for sanding machine	4123370



Thimbles, rubber

White rubber thimbles for watchmaking, electronic, chemical industries etc. In packs of 1440 pcs.

Description	Code
Size M	4123460
Size L	4123462



Thimbles, leather

Ideal for polishing applications, they grant a good grip on the object without scratching it.

Packages of 100 pcs, price by the single thimble.

Description	Code
Woman - forefinger	412345#DI
Woman - thumb	412345#DP
Man - forefinger	412345#UI
Man - thumb	412345#UP

Aprons

Aprons

These aprons are in various sizes and materials to meet your needs at best in every occasion.

Acid-proof aprons

In green plastic material.

Dimensions cm	Code
70x110	4123541
90x130	4123542



Leather apron

This leather apron is in extremely durable, heat- spark- and flame-resistant. Dim. 60x90 cm.

Description	Code
Leather apron	4123500



Cotton aprons

Cotton work aprons: wear them while working to protect yourself and your clothes.

Available with central, lateral or back buttons or with zip on the shoulders.

Colors: blue or black.

Please specify the size (S, M, L, XL) and the button facing required when ordering.

Description	Code
Apron with buttons	4123800
Apron with zip	4123805



Kevlar apron

This heat-resistant apron is ideal for every casting process. It has an external reflective metallic finish and an internal protective layer. Its dimensions (90hx60cm) are perfect to protect you from chest to knees.

Description	Code
Kevlar safety apron	4123520





Safety lockers

Technical features:

- Body and door in 3 mm thick iron plate.
- Manganese steel plate (2 mm thick) to protect lock and mechanisms.
- The door rotates up to 180° thanks to sturdy external hinges.
- The locking system is guaranteed by cylindrical bolts with 20 mm diam.

These models are equipped with key+mechanic combination lock.

Mod. ASA 1950 TS is fireproof: it has body and door in 3 mm plate (outer side) and 2 mm plate (inner side).

Model	Ext. dimensions mm	Int. dimensions mm	No. of shelves	Weight kg	Code
AS 1600 TS	700x500x1600h	560x410x1460h	3	165	1802010
AS 1950 TS	1000x500x1950h	860x410x1810h	4	250	1802031
ASA 1950 TS	1000x500x1950h	860x395x1810h	4	350	1802033

Armoured locker

This locker with key and mechanical combination has body and knockers with the same features as AS type. In addition it has body and knockers with a 2 mm thick manganese steel coating. The inner layer is in 2 mm thick steel plate.

Model	Ext. dimensions mm	Int. dimensions mm	No. of shelves	Weight kg	Code
AC 1950 TS	1000x500x1950h	860x395x1810h	4	410	1802034

Safes, grade A - type SL

Technical features:

- Body and door in double plate in steel: outer layer 3 mm thick, inner layer 2 mm thick.
- Replenishment between the two layers in high-density cement (45 mm thick).
- Manganese steel plate (2 mm thick) to protect lock and mechanisms.
- The door rotates up to 180° thanks to sturdy external hinges.
- The locking system is guaranteed by cylindrical bolts with 30 mm diam. operating by means of handle and tear-resistant edge on the side of the hinges.

All safes with 1 knocker are equipped with key+mechanic combination lock.

Model	Ext. dimensions mm	Int. dimensions mm	Weight kg	Code
SL 600 TS	560x450x600h	420x280x460h	210	1801005
SL 1100 TS	560x450x1100h	420x280x980h	350	1801036
SL 1500 TS	560x450x1500h	420x400x1360h	600	1801011



Time lock

Time lock device with 3 motions both for safety lockers and for safes.

Description	Code
Time lock	1801500



Wall safes, with double-block key

Features:

- High-safety lock with 8 asymmetric and independent levers with double-block key.
- When the door is open it is impossible to extract the key.
- Rotating, anti-cut, nickel-plated steel bolts, diam. 22 mm.
- Locking system protected by manganese steel plate.
- Special structure of the door to resist longer to forcing attempts.
- Sturdy internal welded joints.
- Internal shelf (mod. GK/1 excluded).
- Special painting with epoxy powders.

Model	Ext. dimensions mm	Int. dimensions mm	Weight kg	Capacity lt	Code
GK/1	270x150x210h	245x100x185h	9.5	5	1810050
GK/2	270x200x210h	245x150x185h	10.5	7	1810055
GK/3	340x200x210h	315x150x185h	13	9	1810060
GK/4	390x200x270h	365x150x245h	20	14	1810065
GK/4L	390x240x270h	365x190x245h	21	18	1810070
GK/5	460x200x340h	435x150x315h	26	21	1810075
GK/5L	460x240x340h	435x190x315h	27.5	27	1810080
GK/6	480x230x420h	455x180x395h	31	33	1810085
GK/6L	480x280x420h	455x230x395h	33	43	1810090
GK/7	420x280x480h	395x230x455h	33	43	1810095
GK/7L	420x360x480h	395x310x455h	35	57	1810100



Wall safes, with digital combination

Features:

- Lock controlled by a high-security electric device with permanent memory.
- Open/close operations with handle and magnetic block.
- Code from 4 to 10 figures.
- Internal current with alkaline batteries (not included).
- Numeric keyboard with double circuit and 4 leds.
- Contacts for external battery on the keyboard.
- Acoustic and visual signalling for code confirmation, mistakes, exhausting internal batteries.
- Keyboard block after three wrong figures.
- Rotating, anti-cut, nickel-plated steel bolts, diam. 22 mm (GT/3B and GT/3 diam. 18 mm).
- Locking system protected by manganese steel plate.
- Special structure of the door to resist longer to forcing attempts.
- Sturdy internal welded joints built by means of a robotized system.
- Internal shelf.
- Special painting with epoxy powders.

Model	Ext. dimensions mm	Int. dimensions mm	Weight kg	Capacity lt	Code
GT/3B	340x150x210h	315x100x185h	12.5	6.5	1810330
GT/3	340x200x210h	315x150x185h	13	9	1810240
GT/4	390x200x270h	365x150x245h	20	14	1810250
GT/4L	390x240x270h	365x190x245h	21	18	1810255
GT/5	460x200x340h	435x150x315h	26	21	1810260
GT/5L	460x240x340h	435x190x315h	27.5	27	1810265
GT/6	480x230x420h	455x180x395h	31	33	1810270
GT/6L	480x280x420h	455x230x395h	33	43	1810275

Silk bead cords

Silk bead cords

This natural silk cord is the special thread for making all types of necklaces with pearls, stones and beads. It is not necessary to double the thread and there are no threading problems thanks to its high resistance and flexibility. The cords are carded in 2 meter packings, they are available in a wide range of colours. Maximum diameter 0.90 mm (larger upon request).

Amber silk bead cords

ø mm	Code
0.30	470310#AMB00
0.35	470310#AMB01
0.45	470310#AMB02
0.50	470310#AMB03
0.60	470310#AMB04
0.65	470310#AMB05
0.70	470310#AMB06
0.75	470310#AMB07
0.80	470310#AMB08
0.90	470310#AMB10

Amethyst silk bead cords

ø mm	Code
0.30	470310#AME00
0.35	470310#AME01
0.45	470310#AME02
0.50	470310#AME03
0.60	470310#AME04
0.65	470310#AME05
0.70	470310#AME06
0.75	470310#AME07
0.80	470310#AME08
0.90	470310#AME10

Beige silk bead cords

ø mm	Code
0.30	470310#BEI00
0.35	470310#BEI01
0.45	470310#BEI02
0.50	470310#BEI03
0.60	470310#BEI04
0.65	470310#BEI05
0.70	470310#BEI06
0.75	470310#BEI07
0.80	470310#BEI08
0.90	470310#BEI10

White silk bead cords

ø mm	Code
0.30	470310#BIA00
0.35	470310#BIA01
0.45	470310#BIA02
0.50	470310#BIA03
0.60	470310#BIA04
0.65	470310#BIA05
0.70	470310#BIA06
0.75	470310#BIA07
0.80	470310#BIA08
0.90	470310#BIA10





Dark blue silk bead cords

ø mm	Code
0.30	470310#BLS00
0.35	470310#BLS01
0.45	470310#BLS02
0.50	470310#BLS03
0.60	470310#BLS04
0.65	470310#BLS05
0.70	470310#BLS06
0.75	470310#BLS07
0.80	470310#BLS08
0.90	470310#BLS10



Blue silk bead cords

ø mm	Code
0.30	470310#BLU00
0.35	470310#BLU01
0.45	470310#BLU02
0.50	470310#BLU03
0.60	470310#BLU04
0.65	470310#BLU05
0.70	470310#BLU06
0.75	470310#BLU07
0.80	470310#BLU08
0.90	470310#BLU10



Coral silk bead cords

ø mm	Code
0.30	470310#COR00
0.35	470310#COR01
0.45	470310#COR02
0.50	470310#COR03
0.60	470310#COR04
0.65	470310#COR05
0.70	470310#COR06
0.75	470310#COR07
0.80	470310#COR08
0.90	470310#COR10



Cornelian silk bead cords

ø mm	Code
0.30	470310#CRN00
0.35	470310#CRN01
0.40	470310#CRN02
0.50	470310#CRN03
0.60	470310#CRN04
0.65	470310#CRN05
0.70	470310#CRN06
0.75	470310#CRN07
0.80	470310#CRN08
0.90	470310#CRN10

Silk bead cords

Yellow silk bead cords

ø mm	Code
0.30	470310#GIA00
0.35	470310#GIA01
0.45	470310#GIA02
0.50	470310#GIA03
0.60	470310#GIA04
0.65	470310#GIA05
0.70	470310#GIA06
0.75	470310#GIA07
0.80	470310#GIA08
0.90	470310#GIA10



Garnet silk bead cords

ø mm	Code
0.30	470310#GRA00
0.35	470310#GRA01
0.45	470310#GRA02
0.50	470310#GRA03
0.60	470310#GRA04
0.65	470310#GRA05
0.70	470310#GRA06
0.75	470310#GRA07
0.80	470310#GRA08
0.90	470310#GRA10



Grey silk bead cords

ø mm	Code
0.30	470310#GRI00
0.35	470310#GRI01
0.45	470310#GRI02
0.50	470310#GRI03
0.60	470310#GRI04
0.65	470310#GRI05
0.70	470310#GRI06
0.75	470310#GRI07
0.80	470310#GRI08
0.90	470310#GRI10



Lilac silk bead cords

ø mm	Code
0.30	470310#LIL00
0.35	470310#LIL01
0.45	470310#LIL02
0.50	470310#LIL03
0.60	470310#LIL04
0.65	470310#LIL05
0.70	470310#LIL06
0.75	470310#LIL07
0.80	470310#LIL08
0.90	470310#LIL10





Brown silk bead cords

Ø mm	Code
0.30	470310#MAR00
0.35	470310#MAR01
0.45	470310#MAR02
0.50	470310#MAR03
0.60	470310#MAR04
0.65	470310#MAR05
0.70	470310#MAR06
0.75	470310#MAR07
0.80	470310#MAR08
0.90	470310#MAR10



Black silk bead cords

Ø mm	Code
0.30	470310#NER00
0.35	470310#NER01
0.45	470310#NER02
0.50	470310#NER03
0.60	470310#NER04
0.65	470310#NER05
0.70	470310#NER06
0.75	470310#NER07
0.80	470310#NER08
0.90	470310#NER10



Light pink silk bead cords

Ø mm	Code
0.30	470310#RCH00
0.35	470310#RCH01
0.45	470310#RCH02
0.50	470310#RCH03
0.60	470310#RCH04
0.65	470310#RCH05
0.70	470310#RCH06
0.75	470310#RCH07
0.80	470310#RCH08
0.90	470310#RCH10



Red silk bead cords

Ø mm	Code
0.30	470310#ROS00
0.35	470310#ROS01
0.45	470310#ROS02
0.50	470310#ROS03
0.60	470310#ROS04
0.65	470310#ROS05
0.70	470310#ROS06
0.75	470310#ROS07
0.80	470310#ROS08
0.90	470310#ROS10

Silk bead cords

Dark pink silk bead cords

ø mm	Code
0.30	470310#RSC00
0.35	470310#RSC01
0.45	470310#RSC02
0.50	470310#RSC03
0.60	470310#RSC04
0.65	470310#RSC05
0.70	470310#RSC06
0.75	470310#RSC07
0.80	470310#RSC08
0.90	470310#RSC10



Turquoise pink silk bead cords

ø mm	Code
0.30	470310#TUR00
0.35	470310#TUR01
0.45	470310#TUR02
0.50	470310#TUR03
0.60	470310#TUR04
0.65	470310#TUR05
0.70	470310#TUR06
0.75	470310#TUR07
0.80	470310#TUR08
0.90	470310#TUR10



Jade green silk bead cords

ø mm	Code
0.30	470310#VEG00
0.35	470310#VEG01
0.45	470310#VEG02
0.50	470310#VEG03
0.60	470310#VEG04
0.65	470310#VEG05
0.70	470310#VEG06
0.75	470310#VEG07
0.80	470310#VEG08
0.90	470310#VEG10



Green silk bead cords

ø mm	Code
0.30	470310#VER00
0.35	470310#VER01
0.40	470310#VER02
0.50	470310#VER03
0.60	470310#VER04
0.65	470310#VER05
0.70	470310#VER06
0.75	470310#VER07
0.80	470310#VER08
0.90	470310#VER10





Wire for necklaces, steel

Bobbins in nylon-coated steel for necklaces. Diam. 0.35 mm, 100 m long. Available in different colours.

Description	Code
Neutral	4703351
Red	4703352
Black	4703353
Blue	4703354
Green	4703356
White	4703357
Pink	4703358
Yellow-green	4703359



Wire spiral

Wire spiral for pearl threading, in 2 mt packages. Available in white or yellow colour.

White wire

ø mm	Code
0.8	470320#B0.8
1.0	470320#B1.0
1.2	470320#B1.2
1.4	470320#B1.4

Yellow wire

ø mm	Code
0.8	470320#G0.8
1.0	470320#G1.0
1.2	470320#G1.2
1.4	470320#G1.4



Needles for beads

Needles for beads in packages, 25 pcs each. Available in three thicknesses (fine, medium, heavy).

Description	Code
Fine	470321#F
Medium	470321#M
Heavy	470321#H

PVC wire

PVC wire

PVC in round, square or rectangular wire for jewelry.

Other colours and sizes available upon request.

Minimum quantity: 10 meter and multiples or spools. Price for 1 meter.

Round black PVC wire

ø mm	Spools of	Code
1.20	500 m	4703398
1.90	500 m	4703400
2.00	400 m	4703399
2.50	500 m	4703397
3.00	200 m	4703401
4.00	100 m	4703402
5.00	70 m	4703408



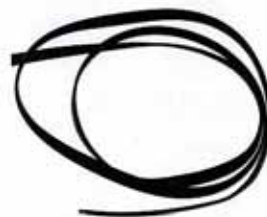
Square black PVC wire

ø mm	Spools of	Code
2.00x2.00	500 m	4703431
2.50x2.50	500 m	4703433
3.00x3.00	200 m	4703430
4.00x4.00	100 m	4703432
6.00x6.00	100 m	4703434



Rectangular black PVC wire

ø mm	Spools of	Code
4.00x2.00	100 m	4703450
4.50x1.70	150 m	4703413
4.70x2.00	150 m	4703421
6.00x2.00	125 m	4703422
6.00x2.50	125 m	4703423
8.00x2.00	100 m	4703425
10.00x2.00	80 m	4703428



Round transparent PVC wire

ø mm	Spools of	Code
1.20	500 m	4703407
1.90	500 m	4703403
2.00	400 m	4703406
3.00	200 m	4703404
4.00	100 m	4703405



Safety buttons

Minimum quantity: 10 pcs. Unit price.

Description	Code
Yellow gold - antiallergic	4703511
Rhodium-plated antiallergic	4703512
Gold-yellow, pressure clutch	4703520
Rhodium-plated, pressure clutch	4703521



4703511



4703512



4703520



4703521



Enamels

Enamels are soluble organic compounds of metals, oils and resins.

Their main feature is the variability of their brightness you can get every time light and visual angle change.

A wide range of colours - with covering or transparent effect - is available. In packs, 1 kg each. Price for 1 pack.

Covering cold enamels

Description	Code
White	459609#BC01
Lemon	459609#BC02
Yellow	459609#BC03
Turquoise	459609#BC04
Azure	459609#BC05
Light blue	459609#BC06
Blue	459609#BC07
Cobalt blue	459609#BC08
Sea blue	459609#BC09
Dark blue	459609#BC10
Violet	459609#BC11
Apple green	459609#BC12
Green	459609#BC13
Dark green	459609#BC14
Orange	459609#BC15
Bright red	459609#BC16
Red	459609#BC17
Light bordeaux	459609#BC18
Dark bordeaux	459609#BC20
Fuchsia	459609#BC21
Pink	459609#BC22
Ivory	459609#BC23
Beige	459609#BC24
Mustard	459609#BC25
Dark orange	459609#BC26
Coral	459609#BC27
Light brown	459609#BC28
Brown	459609#BC29
Dark brown	459609#BC30
Grey	459609#BC31
Black	459609#BC32

Covering enamels, kit

Kit with 32 covering + 1 mother-of-pearl enamel, 3 catalysts in 250 cc bottle (I177: for flat items; I209: antiscratch for flat items; I99: for very curved items).

Each enamel comes in 100 g pack.

Description	Code
Covering enamels, kit	4596115

Liquid enamels

Transparent cold enamels

Description	Code
Yellow	459610#BT50
Topaz	459610#BT51
Cognac	459610#BT52
Pink	459610#BT53
Bordeaux	459610#BT54
Gold orange	459610#BT55
Red-orange	459610#BT56
Light red	459610#BT57
Dark red	459610#BT58
Red	459610#BT59
Ruby red	459610#BT60
Turquoise	459610#BT61
Blue	459610#BT62
Sea blue	459610#BT63
Dark blue	459610#BT64
Violet	459610#BT65
Light green	459610#BT66
Green	459610#BT67
Olive green	459610#BT68
Dark green	459610#BT69
Dark brown	459610#BT70
Brown	459610#BT71
Black	459610#BT72



Transparent enamels, kit

Kit with 23 transparent enamels + 1 mother-of-pearl enamel, 3 catalysts in 250 cc bottle (I77: for flat items; I209: antiscratch for flat items; I99: for very curved items). Each enamel comes in 100 g pack.

Description	Code
Transparent enamels, kit	4596110

Enamel, neutral

Transparent liquid neutral enamel mod. Eco BT 73/6F. In tins, 1 kg each.

Description	Code
Neutral enamel	4596107

Enamel, mother-of-pearl

Mother-of-pearl enamel concentrated enamel mod. W145/BSC100. It can be mixed with the colour enamels mentioned above to get an iridescent effect. In tins, 1 kg each.

Description	Code
Mother-of-pearl enamel	4596120

Hardener, I99

Hardener for very curved surfaces, to avoid the drooling of the enamel. In 900 g bottle.

Description	Code
Hardener I99	4596130



Liquid enamels



Hardener, I180

Hardener for flat items without borders or lens effect. Mixing percentage: 45%.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Hardner I180	4596131



Hardener, I209

Anti-scratch hardener. It can be smoothened after 24 hours. Mixing percentage: 33%.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Hardener I209	4596133



Hardener, I177

Hardener for flat items with borders. Mixing percentage: 45-50%.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Hardener I177	4596134



Hardener, I98

Hardener for medium curved items and mother-of-pearl. Mixing percentage: 33%.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Hardener I98	4596135



Hardener, I97

Hardener for slightly curved items and mother-of-pearl. Mixing percentage: 33%.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Hardener I97	4596136



Restraining paste, U333

Specially studied for preventing enamel from drooling.
In tins, 1 kg each.

Description	Code
Cream U333	4596138

Liquid enamels

Anti-bubbling, U140

Additive to be mixed together with enamel (mixing ratio: 2-5%) to avoid air bubbles.
In tins, 1 kg each.
Hazardous shipping charges apply when shipping. Please ask for quotation.

Description	Code
Anti-bubbling U140	4596140



Soap U133

Soap to be used to clean needles, syringes and other items stained with non-catalysed enamel.
In tins, 1 kg each.

Description	Code
Soap U133	4596141



Enamel remover, U134

To remove painting mistakes.
In cans, 5 kg each. Price for 1 kg.

Description	Code
Lustre remover U134	4596142



Powder enamels

Transparent enamels in powder

In packs, 200g/300g/500g/1kg. Price upon request.

														
1W COLOURLESS BASE	2A BLUISH BASE	1380 COLOURLESS BASE	175 COLOURLESS BASE	85 PINK	116 LIGHT RUBY	5005 RUBY RED	9 RUBY	10 LIGHT RUBY	115 LIGHT RUBY	114 DARK RUBY	8 DARK RUBY	111 GARNET RED	7139 GOLD YELLOW	7138 GOLD YELLOW
														
7137 GOLD YELLOW	848 LIGHT AMBER	6377 DARK AMBER	6 LIGHT CHESTNUT BROWN	109 BROWN	109L LIGHT BROWN	6772 RUST	110 DARK BROWN	1443 DARK BROWN	5018 DARK BROWN	5039 BROWN	5040 OLIVE BROWN	102 OLIVE BROWN	145 OLIVE	3 LIGHT OLIVE
														
137 LIGHT GREEN	20A YELLOWISH GREEN	19A LEAF GREEN	132 LIGHT GREEN	6039 GREENISH YELLOW	126 GRASS GREEN	186 GREEN	185 GREEN	128 DARK GREEN	125 DARK GREEN	5517 GREEN	124 DARK GRASS GREEN	61A DARK TURQUOISE	142 DARK GREEN	43 TURQUOISE
														
174 BLUE TURQUOISE	295T TURQUOISE	61 TURQUOISE	171 TURQUOISE	140 LIGHT TURQUOISE	138 DARK TURQUOISE	5275 FORGET-ME- NOT BLUE	134 BLUE	5424 DARK BLUE	157 LIGHT BLUE	156 BLUE	165 BLUE	6073 BLUE	5828 DARK BLUE	155 BLUE
														
154 DARK BLUE	168 DARK BLUE	41 SAPPHIRE BLUE	54 DARK BLUE	6040 STEEL BLUE	6940 DARK STEEL BLUE	26 VIOLET	150 VIOLET	121 VIOLET BLUE	6041 GREYISH BLUE	27 LIGHT VIOLET	6945 VIOLET	6080 DARK VIOLET	5692 DARK VIOLET	46 DARK VIOLET
														
6092 GREY	161 STEEL BLUE	1619 LIGHT BLUE	1710 GREY	1698 VIOLET GREY	122 GREY									

Covering enamels in powder

In packs, 200g/300g/500g/1kg. Price upon request.

													
200 WHITE	201 WHITE	202 WHITE	203 WHITE	9154 IVORY	209 YELLOW	210A LEMON	6682 YELLOW	294 YELLOW	297 YELLOW	211 YOLK YELLOW	212 OCHRE YELLOW	6800 ORANGE	6013 ORANGE RED
													
6805 RED	7152 RED	6813 RED	6662 DARK RED	6663 BORDEAUX	6663D DARK BORDEAUX	6991 OLIVE BROWN	6948 SAND BROWN	6947 LIGHT BROWN	6915 BROWN	6916 BROWN	6284 DARK BROWN	223 DARK BROWN	6913 PINK
													
6914 PINK	806 HELIOTROPE PURPLE	811 DARK HELIOTROPE	214 VIOLET GREY	218 LIGHT GREY	219 GREEN GREY	220 DARK GREY	6927 LIGHT BROWN	816 TURQUOISE	6229 LIGHT JADE GREEN	6230 DARK JADE GREEN	240 LEAF GREEN	225 GRASS GREEN	229 LEAF GREEN
													
230 DARK GREEN	817 BLACK GREEN	282 YELLOW	6967 YELLOW GREEN	314 OLIVE GREEN	315 DARK OLIVE	262 LIGHT TURQUOISE	888 LIGHT TURQUOISE	290 TURQUOISE	812 TURQUOISE	291 TURQUOISE	5259 BLU TURQUOISE	285 LIGHT BLUE	800 SKY BLUE
													
345 LIGHT BLUE	5246 BLUE	802 SKY BLUE	6923 BLUE	6934 BLUE	6960 BLUE	813 INDIGO	5247 GREEN BLUE	6075 DARK BLUE	255 OVERSEAS BLUE	254 DARK BLUE	281 COBALT BLUE	867 DARK VIOLET	344 DARK VIOLET
													
280 BLACK	6890 BLACK												

Powder enamels

Adhesive for enamels

Adhesive for enamel application, available in 500 or 1000 cc bottle.

Description	Code
Adhesive 500 cc	4596500
Adhesive 1000 cc	4596501



Furnace for powder enamels

Bench furnace for enamelling on gold and silver. Max. temperature 1000°C. The furnace has a screened muffle and the external covering is in painted plate. The door has a thermic insulated lever and the thermic insulation of the muffle is obtained by the ceramic fiber. The temperature can be set thanks to a digital regulator. The fumes exhaust device is placed at the back of the furnace. The thermocouple is protected by a ceramic layer.

- Voltage 220 V, 50/60 Hz
- Internal dimensions: 100x200x65h mm.
- External dimensions: 420x480x470h mm.
- Weight: 25 kg.

Description	Code
Muffle furnace	1122200



Sieves for enamels

Metal sieves for stove enamels, from grit 40 (largest holes) to grit 100 (smallest).

Description	Code
40 grit	459675#040
60 grit	459675#060
80 grit	459675#080
100 grit	459675#100





1606115



2606050



2606060



2606065

Enamel dispenser

Automatic digital dispenser with 33 cc syringe holding device (devices for other syringes are available separately).

The dispenser can be used with manual or automatic function.

- Voltage: 220 V / 50 Hz, single-phase.

- Dimensions: 300x190x160 mm.

- Weight: 4.5 kg.

Description	Code
Enamel dispenser	1606115
60 cc attachment	2606050
30 cc attachment	2606060
10 cc attachment	2606065



Syringes

Plastic syringes of 10, 30 or 60 cc capacity to use with the automatic dispenser. In packs, 50 pcs each. Unit price.

Description	Code
10 cc syringe	2606100
30 cc syringe	2606099
60 cc syringe	2606098



Needles

Needles to apply to the syringes, in different diameters and colors. In packs, 50 pcs each. Unit price.

	Code
	260610#D0,30
	260610#D0,40
	260610#D0,50
	260610#D0,60
	260610#D0,70
	260610#D0,80
	260610#D0,90
	260610#D1,10
	260610#D1,20
	260610#D1,60
	260610#D1,80



Fiberglass brushes

Special brushes in fibreglass to clean oxides and polish surfaces. They quickly remove scale and flux particles.

Available both 15 mm (50 g) and 20 mm (100 g) diam.

Description	Code
Abrasive pen 15 mm - 50 grams	4540010
Abrasive pen 20 mm - 100 grams	4540020
Pencil fiberglass brusher	4540100
Spare cords - 12 pcs	4540101

Tools and accessories

Furnaces for cold enamels

The furnaces below are ideal for the drying process of enamels.

Mod. Compact

Furnace for enamels with silk-screen printed control board in anodized aluminium with automatic instrumentation.

- Internal dimensions: 400x400mm.
- 10 shelves 385x385 mm.
- Voltage: 220 V.
- External dimensions: 550x550x680h mm.
- Weight: 46 kg.

Description	Code
Furnace for enamels mod. Compact	1122520



Enamel plate

The plate mod. Junior features:

- Heating plate: 600x400 mm.
- Silk-screen printed control board in anodized aluminium with automatic instrumentation.
- Revolving dispenser holder.
- Turning support for a better comfort of the operator.
- Voltage: 220 V.
- Overall dimensions: 880x650x180h mm.
- Weight: 25 kg.

Description	Code
Junior plate	1122500



Rotating furnace

Furnace for the drying of synthetic enamels working at a temperature of 60°-100°.

- Rotation operating with direct current engine (12 V).
- Heat regulation by selector.
- Electromechanical clock.
- Connection plug for battery alimentation.
- Automatic gas suction unit.
- 3 rods with 20 pincers each.
- Internal light with CE protection.
- Overall dimensions: 790x740x700h mm.
- Weight: 46 kg.

Description	Code
Furnace for enamels mod. MA/300	1122310



Rods loading device, for rotating furnace

This fitting is fundamental to load the enamelled objects on the rods to be put in the furnace.

- Constant speed regulator.
- Tension while working: 12 V.
- Voltage: 220 V - 50/60 Hz.
- Weight: 13 kg.

Description	Code
Rods loading device mod. CR/1	1122320
Double clips	2122322





Enamel bench

Bench for enamels mod. Senior with:

- Furnace mod. Compact with 10 shelves, room 400x400x400 mm
- Heating plate, usable dimensions: 1000x500 mm
- Silk-screen printed control board in anodized aluminium with automatic instrumentation
- 2 revolving dispenser holders
- Turning supports for a better comfort of the operator
- 2 syringe holders.

Voltage: 220 V.

Overall dimensions: 1280x680x960h mm.

Weight: 54 kg.

Available bench unit without furnace.

Description	Code
Senior complete unit	1122510
Bench only	1122505



Enamel dispenser

This dispenser works with enamels, soldering paste or similar products. It starts working by compressed air which is adjusted by a regulator and checked by an air gauge.

The injection will be activated by a pedal in alternated times to let the right quantity of the necessary product come out of the syringe.

Description	Code
Enamel dispenser ERP2/C -2 syringes	1606210

Taps and dies

Shovel type nut screw

28 holes shovel, from 0.70 to 2.00 mm diameter.

Description	Code
Shovel type nut screw - mod. 3-C	4665010



Plug taps

ø mm	Code
1.00	4665606
1.10	4665608
1.20	4665610
1.40	4665612
1.60	4665614
1.70	4665615
1.80	4665616
2.00	4665618
2.20	4665623
2.30	4665624
2.50	4665625
2.60	4665626
3.00	4665630



Set of taps

Set of 3 taps.

ø mm	Code
1.00	4665503
1.10	4665504
1.20	4665505
1.40	4665506
1.60	4665507
1.70	4665508
1.80	4665509
2.00	4665510
2.20	4665511
2.30	4665512
2.50	4665513
2.60	4665514
3.00	4665515



Tap frame

Description	Code
Tap frame for mod. 1	4665062





Dies

ø mm	Code
1.00	4665850
1.10	4665852
1.20	4665854
1.40	4665856
1.60	4665858
1.70	4665859
1.80	4665860
2.00	4665862
2.20	4665865
2.30	4665867
2.50	4665870
2.60	4665872
3.00	4665876



4665060



4665050

Die kits

	ø mm	Code
Mod. 1	1.00 ÷ 3.00	4665060
Mod. 2	0.40 ÷ 1.20	4665050



4565052

4665061

Die frames

	ø mm	Code
For die mod. 1	16	4665061
For drawplate mod. 2	8	4665052

Taps and dies

Riveters for pins

Widia riveters for closing pins at the ends.

ø mm	Code
0.5/0.7	466001#0,5/0,7
0.6/0.8	466001#0,6/,08
0.7/0.9	466001#0,7/,09
0.8/1.0	466001#0,8/1,0
0.9/1.1	466001#0,9/1,1
1.0/1.2	466001#1,0/1,2
1.1/1.3	466001#1,1/1,3
1.2/1.4	466001#1,2/1,4
1.3/1.5	466001#1,3/1,5
1.4/1.6	466001#1,4/1,6
1.5/1.7	466001#1,5/1,7
1.6/1.8	466001#1,6/1,8
1.7/1.9	466001#1,7/1,9
1.8/2.0	466001#1,8/2,0
1.9/2.1	466001#1,9/2,1
2.0/2.2	466001#2,0/2,2
2.1/2.3	466001#2,1/2,3



Riveters base

Steel guide-base for riveters.

Description	Code
Steel base	4660020





Screwdrivers

These screwdrivers are perfect for high-precision work.

Screwdriver set mod. 4840

Set with 5 screwdrivers (diam. 0.50-0.60-0.80-1.00-1.20 mm) with 1 spare blade per each diameter.

Description	Code
Set of screwdrivers mod. 4840	4805014



9 screwdriver set

Set with 9 high-quality chromed screwdrivers (diam. 0.50-0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50 mm). Either on rotating stand (code 4805015), or in wooden box (4805016), or in cardboard box (4805017). With 9 spare blades.

Description	Code
Set of screwdrivers on rotating stand - mod. 5970	4805015
Set of screwdrivers in wooden box - mod. 30009	4805016
Set of screwdrivers in cardboard box - mod. 5410	4805017



Set of screwdrivers mod. 2639

Set with 5 screwdrivers (diam. 0.50-0.60-0.80-1.00-2.00), with spare blades in plastic tubes, in wooden box.

Description	Code
Set of screwdrivers - mod. 2639	4805018



Spare screwdrivers

Chromium-plated tips, with spare blades in plastic tubes. Intermediate sizes available upon request.

ø mm	No. of blades	Code
0.50	4	4805001
0.60	4	4805002
0.70	4	4805011
0.80	4	4805003
0.90	4	4805012
1.00	4	4805004
1.20	4	4805005
1.40	4	4805006
1.60	3	4805007
2.00	2	4805008
2.50	2	4805009



Set of antimagnetic screwdrivers mod. 6171

Set of 9 antimagnetic screwdrivers with black oxidated tips (diam. 0.50-0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50 mm), with spare blades in plastic tubes. In wooden box.

Description	Code
Set of antimagnetic screwdrivers - mod. 6171	4805019

Watch tools

Set of antimagnetic screwdrivers mod. 4914

Set of 5 antimagnetic screwdrivers with black oxidated tips (diam. 0.50-0.60-0.80-1.00-1.20 mm), with spare blades in plastic tubes. In wooden box.

Description	Code
Set of antimagnetic screwdrivers - mod. 4914	4805020



Set of screwdrivers mod. 401

Set of 7 screwdrivers (diam. 0.80-1.00-1.20-1.40-1.60-1.80-2.00 mm) in plastic envelope, with spare blades for each diameter.

Description	Code
Set of screwdrivers mod. 401	4810315



Set of screwdrivers mod. 405

Set of 7 screwdrivers (diam. 0.80-1.00-1.20-1.40-1.60-1.80-2.00 mm) in wooden box, with spare blades for each diameter.

Description	Code
Set of screwdrivers mod. 405	4810302



Set of screwdrivers mod. 406

Set of 9 screwdrivers (diam. 0.50-0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50 mm) in wooden box, without spare blades.

Description	Code
Set of screwdrivers mod. 406	4810301



Screwdrivers - basic type

Set of screwdrivers mod. 403

Set of 9 screwdrivers (diam. 0.50-0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50 mm) in wooden box, with spare blade for each diameter.

Description	Code
Set of screwdrivers mod. 403	4810300



Set of screwdrivers mod. 404

Set of 9 screwdrivers (diam. 0.50-0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50 mm) on fixed base, with spare blades for each diameter.

Description	Code
Set of screwdrivers mod. 404	4810310





Set of screwdrivers mod. 1001

Set of 9 screwdrivers (diam. 0.60-0.80-1.00-1.20-1.40-1.60-2.00-2.50-3.00 mm) on rotating base, with spare blades for each diameter.

Description	Code
Set of screwdrivers mod. 1001	4810320

4805212 

4805213 

4805214 

Spring-bar tool

Tool for fitting and removing spring-bars. With hexagonal black bakelite handle, graduated in mm for measuring distance between lugs, it comes with standard point diam. 0.80 mm and fork point diam. 3 mm.

Length: 148 mm. Spare points available.

Description	Code
Spring bar tool - mod. 3153	4805212
Fork point -	4805213
Cylinder point	4805214



Tool for pins

Tool with metal frame and plastic handle.

One side is used to drive pins out, the other to drive pins in and out.

Weight: 80 g.

Description	Code
Tool for pins mod. 6578	4805108
Broach diam. 0.70 mm	4805110
Broach diam. 0.80 mm	4805109
Broach diam. 0.90 mm	4805111



Tool for pins, adjustable

Tool for inserting, removing and reinserting pins for all types of metal bands. Its plastic support prevents damaging the band.

Using the set of shims provided as standard accessories, you can adjust the plier to the size of the band.

Supplied in a plastic case along with instructions.

Weight: 300 g.

Description	Code
Tool for pins mod. 6819	4805125



Wrench case opener, "waterproof"

[Mod. 5338-2F]

Special tool for opening waterproof cases; it comes complete with: 4 chucks for polygonal cases, 2 chucks for cases with slots, 2 chucks for cases with holes, 2 chucks for grooved cases, 2 chucks for Aquastar cases and 2 chucks for cases with curved sides.

In cardboard box, weight 265 g.

Description	Code
Wrench for case opening mod. 5338-2F	4805068

Watch tools

Mod. 2819-4

Chucks content in the box:

- 3 for polygonal cases
- 3 for slotted cases
- 3 for cases with holes
- 3 for grooved cases

On plastic base - in cardboard box.

Description	Code
Key mod. 2918-4	4805058



Mod. 5537

Tool for opening and closing "waterproof" type and grooved watch-cases, complete with 6 grooved chucks (diam. 18.50-20.20-22.50-26.50-28.30-29.50 mm).

Weight: 405 g.

Description	Code
Key for cases mod. 5537	4805085



Mod. 2533

Rubber key for opening and closing cases of waterproof watches.

Description	Code
Rubber key for cases mod. 2533	4805056



Mod. 5700-A

Device to open and close "waterproof" watch cases, it comes complete with: 2 chucks for polygonal cases, 2 chucks for cases with slots, 2 chucks for cases with holes, 2 chucks for grooved cases, 2 chucks for Aquastar cases and 2 chucks for cases with curved sides; 4 pairs of case-holding jaws and screws to be fixed to the bench.

On wooden stand, dimensions 250x68x300h, weight 3.45 kg.

Description	Code
Case opener mod. 5700-A	4805200



Case-opening knives

Knives with single or double blade, with bakelite handle.

Description	Code
1-blade case opener mod. 4932	4805062
2-blade case opener mod. 6403	4805064





Round glasses remover

This tool removes and inserts crystals without dis-assembling the watch. It can be used for glasses from 10 to 45 mm diameter.

Weight: 215 g.

Description	Code
Watch glasses remover mod. 4266	4805086



Press for watch glasses

This press is in chromium-plated, butter-finished cast iron. Along with it you will find:

- set of 9 bakelite lower stakes from 12 to 40 mm,
- set of 12 reversible stakes in duralumin from 44x42 to 17x15 mm,
- set of 9 lower reversible chucks from 33x32 to 17x15 mm,
- one universal lower stake in duralumin diam. 36 mm,
- support with usable length 28 mm.

On wooden stand. Dimensions: 370x120 mm. Weight: 3 kg.

Description	Code
Press for fitting watch glasses mod. 5500-A	4805160



Motor saw for bracelets

Motor saw for bracelet lugs. Maximum cutting depth: 30 mm. Diameter of the disk: 65 mm

Dimensions: 180x125x125 mm. Weight: 2.6 kg.

Description	Code
Lug sawing motor mod. 5683-220	4805180
Carbide cutting disc 65x0.50 mm	4499500



Rodico

For cleaning balance pivots, train wheel pivots, removing finger prints and stains from plates, bridges, dials, hands; removing excess oil from watch jewels and taking out broken pivots from the jewels.

In 48 g sticks.

Description	Code
Rodico	4801005

Bergeon studs

Studs

Carefully rhodium- or gold-plated, sterilized anallergic ear-studs. They meet CE standards on nickel.

In cards, 12 pairs each.

"Classique" studs - ball shaped

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Gilt	4780300
Rhodium plated	4780301



"Classique" studs - with aquamarine stone

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Rhodium plated	4780055
Gilt	4780103



"Classique" studs - with diamond stone

Studs with head diam. 3.95 mm. Price for 1 the pair.

Description	Code
Rhodium plated	4780050
Gilt	4780104



"Classique" studs - with emerald stone

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Rhodium plated	4780056
Gilt	4780105



"Classique" studs - with rubin stone

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Rhodium plated	4780057
Gilt	4780107



"Classique" studs - with sapphire stone

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Rhodium plated	4780058
Gilt	4780109





"Classique" studs - with pink zirconia

Studs with head diam. 3.95 mm. Price for 1 pair.

Description	Code
Rhodium plated	4780059
Gilt	4780110



Assortments "Classique" studs - with stone

6 color assortment of 12 pairs of studs with stone (2 pairs per type). Price for 1 card.

Description	Code
Rhodium plated	4780140
Gilt	4780150



"Classique" studs - polished

Gilt studs with different shapes: star, heart or moon. Price for 1 pair.

Description	Code
Star	4780201
Heart	4780202
Moon	4780206

"Classique" studs assortment

4 pairs of star, 4 of heart and 4 of moon.
Price for 1 card.

Description	Code
Gilt assortment - 12 pairs	4780250



"Mini" studs

These studs have a diameter of 2.48 mm only: they are particularly indicated for the second and third stud.

Price for 1 pair.

"Mini" ball shape

Description	Code
Gilt	4780515
Rhodium plated	4780524



"Mini" - with diamond stone

Description	Code
Gilt	4780521
Rhodium plated	4780542



"Mini" - with rubin stone

Description	Code
Gilt	4780522
Rhodium plated	4780523

"Mini" - with sapphire stone

Description	Code
Gilt	4780516
Rhodium plated	4780545



"Mini" studs assortment

Assortment with 12 pairs of studs with stone in 3 colours (4 pairs per colour).
Price for 1 card.

Description	Code
Gilt assortment - 12 pairs	4780510
Rhodium plated assortment - 12 pairs	4780544

"Baby" studs

These studs are particularly indicated for kids, as they have a shorter stem. They can have standard diameter head (3.95 mm) or mini (2.48 mm).

"Baby" standard

Studs with 3.95 mm diam. head. Price for 1 pair.

Description	Code
Ball - rhodium plated	4780552
Diamond - rhodium plated	4780554
Ball - gilt	4780560
Diamond - gilt	4780562



"Baby" mini

Studs with 2.48 mm diam. head. Price for 1 pair.

Description	Code
Ball - rhodium plated	4780556
Diamond - rhodium plated	4780558
Ball - gilt	4780564
Diamond - gilt	4780566



"Baby" assortments

3 pairs of each type of stud: 3 pairs with ball (3.95 and 2.48 mm head) and 3 pairs with white transparent stone (3.95 and 2.48 mm head).
Price for 1 card.

Description	Code
Gilt assortment - 12 pairs	4780550
Rhodium plated assortment - 12 pairs	4780551



"De Luxe" studs

Gilt studs with prongs, standard stem, head diameter 3.95.
Price for 1 pair.

Description	Code
Diamond	4780525
Ruby	4780530
Sapphire	4780535



"De Luxe" assortment

Assortment with 12 pairs of studs with stone in 3 colours (4 pairs per colour).
Price for 1 card.

Description	Code
Gilt assortment - 12 pairs	4780540





Ear piercers

These instruments are professional and extremely precise. Item 6600-BB accepts all types of Bergeon studs, while item 6600 can be used only with Classique, Mini and De Luxe type.

Medical pen and instructions included.

Description	Code
Instrument 6600	4780460
Instrument 6600-BB	4780472



Disinfectants

To clean and disinfect earlobes.

Description	Code
Antiseptic tampons - 50 pcs	4780600
Disinfectant bottle	4780610

Glues

Adhesives, two-part

Epoxy adhesives for metals, plastic, rubber and leather.

Mod. UHU Plus

Excellent adhesive power (up to 300kg/cm²), transparent, long-life, frost- and water-proof, acid-, diluted alcohol-, gasoline-, oils-resistant.

Indicated for metals, glass/porcelain, ceramic, marble/cement, hard stones, wood, rigid and synthetic materials, hard PVC/rubber.

Description	Code
UHU plus - 30 ml	4436358



Mod. UHU Plus - 5 minutes

Fast-action two part epoxy adhesive. Strong, transparent, long-life, frost- and water-proof, acid-, diluted alcohol-, gasoline-, oils-resistant.

Indicated for metals, glass/porcelain, ceramic, marble/cement, hard stones, wood, rigid and synthetic materials, hard PVC/rubber.

Description	Code
UHU plus - 35 g	4436361



Mod. 3430

This ultra-transparent epoxy adhesive, in double syringe dispenser (24 ml), is indicated for applications that require a good transparency and high toughness. Ideal for glass and decorative panels. Mod. 3430 is a fast-drying adhesive (5 minutes).

Description	Code
Mod. 3430 - A+B	4438013



Mod. 3425

Two-part epoxy adhesive that offer an excellent toughness, indicated for large surfaces that require a long time work (120 minutes). It is also indicated for vertical adhesion of metals and rigid plastics.

In double cartridge of 24 ml each.

Description	Code
Mod. 3425 - A+B	4438040



Adhesive dispenser

Dispenser for epoxy adhesives with double cartridge (24 ml). It mixes with the correct ratio the two components of the adhesives. The application is precise and waste-free.

Description	Code
Manual dispenser	4438017



Square mixer

Mixing nozzle to apply to the manual dispenser for homogeneous mixing of the glues.

Description	Code
Square mixer	4438016





Adhesives, fast-drying

Mod. 435 Colourless and transparent adhesive with low viscosity and quick polymerization. It can be used also on porous, absorbing and acid surfaces. It has a good resistance to humidity and chemical substances. In 20 g packages.

Description	Code
Mod. 435 - 20 g	4438023

Mod. 401

Universal adhesive for plastic, rubber, metal, cardboard, wooden substrates. Available in 5 or 20 g package. Fast-dry: from 5 to 20 seconds.

Description	Code
Mod. 401 - 5 g	4438021
Mod. 401 - 20 g	4438020

Mod. 460

Ideal for fashion jewellery because it does not leave any white ring. In 20 g packages.

Description	Code
Mod. 460 - 20 g	4438030

Mod. 454

Universal gel adhesive for metals in general, compound materials, wood, leather, cardboard, ceramic. Ideal for vertical surfaces. In 3 or 20 g package.

Description	Code
Mod. 454 - 3 g	4438110
Mod. 454 - 20 g	4438090



Thread restraining adhesives

They seal any kind of thread including clearance holes.

Description	Code
Mod. 222 (250 ml) - weak	4438095
Mod. 270 (10 ml) - strong	4438098



Putty for pearls

Malkoff putty in stick is transparent and purposely studied to glue pearls on earrings.

Description	Code
Glue in stick	4436200

Papers and labels

Parcel papers

Rubin parcel papers are known worldwide for providing durable use and economy without dropping off quality and performance.

Mod. 1

This light paper has been accurately machine-cut and then hand-folded.

External paper: white

Internal paper: light blue

In packages, 100 sheets each.

	Dimensions mm	Code
Mod. 1 - 100 sheets pack	80x45	4256300



Mod. F

Sheets available in two sizes in sturdier paper.

External paper: white

Internal paper: white

In packages, 25 sheets each.

	Dimensions mm	Code
Mod. F1 - 25 sheets pack	80x45	4256350
Mod. F2 - 25 sheets pack	90x50	4256355



Sorting trays

Trays for collecting and separating pearls and stones. Mod. 387 and 389 have half-holes in three sizes, 4 strand-sizing slots and a large recessed area with a spout that makes pouring easy.

	Dimensions mm	Code
Mod. 387, white	100x63	4256085
Mod. 388, white	100x63	4256030
Mod. 388, black	100x63	4256086
Mod. 389, white	178x100	4256155
Mod. 389-1, black	178x100	4256156



Tong for label rings

This tong is designed to fix metal rings to the labels below.

The rings are sold separately in packages of 1000 pcs.

Description	Code
Special tong for label rings	4702030
White metal label rings - 1000 pcs	4702120



Labels

Labels in white paper or parchment.



Mod. 134

Material: white paper 260 g/sm or white parchment 200 g/sm.

Size: mm 7x57.

Packing: 1000 pcs bag.

Description	Code
White parchment	4701010
White paper	4701145



Mod. 140

Material: white parchment 200 g/sm.

Size: mm 8x42.

Packing: 1000 pcs bag.

Description	Code
Mod. 140	4701020



Labels with yarn

Labels in white paper 260 g/sm or white parchment 240 g/sm, with short yarn (55 mm) or long yarn (100 mm).

In packages, 1000 pcs each.

Mod. 125 - 5.5x17 mm, short yarn

Description	Code
White paper	4701090
White parchment	4701290



Mod. 126 - 7x22 mm, short yarn

Description	Code
White paper	4701100
White parchment	4701300



Mod. 128 - 6x18 mm, short yarn

Description	Code
White paper	4701110
White parchment	4701310



Mod. 129 - 8x18 mm, short yarn

Description	Code
White paper	4701120
White parchment	4701320



Mod. 130 - 9x21 mm, short yarn

Description	Code
White paper	4701130
White parchment	4701330



Mod. 131 - 6,5x16,5 mm, short yarn

Description	Code
White paper	4701140
White parchment	4701340

Papers and labels

Mod. 133 - 7,5x22 mm, short yarn

Description	Code
White paper	4701150
White parchment	4701350



Mod. 142, 143, 145 - long yarn

	Dimensions mm	Code
Mod. 142	9x24	4701160
Mod. 143	12x26	4701170
Mod. 145	16x31	4701180



Adhesive labels

Material: white paper with adhesive bands.
Size: 8x50 mm (closed 8x25 mm).
Packing: 1000 labels roll.

Description	Code
Roll with adhesive labels	4701450



Plastic bags

Plastic bags with zip fastener.

Writeable

Bags with 3 writeable bands.

In packages, 100 pcs each.



Dimensions mm	Code
40x60	4704010
60x80	4704030
70x100	4704040
80x120	4704050
100x150	4704060
120x180	4704070
160x230	4704075
160x250	4704076

Non writable

Bags with no writeable bands.

In packages, 100 pcs each.



Dimensions mm	Code
40x60	4704200
60x80	4704206
70x100	4704210
80x120	4704214
100x150	4704220
160x230	4704240

Reparation envelopes

Paper envelopes, size 9x22 cm, with receipt coupon.

Minimum quantity: 100 pcs and multiples, unit price.



Description	Code
Reparation envelope	4704100

Cases

Cases

Plastic or cardboard cases for jewels.

"Origami" style

Cardboard cases covered with ribbed paper. Inside: white multoprene.
Color: blue/ivory.

Model	Dimensions mm	Code
173	48x50x40	4705400
174	70x70x35	4705402
175	90x90x35	4705404
176	220x55x30	4705406
177	150x150x30	4705408



"Bari" style

Cardboard cases with paper bag. Color: coral red.

Model	Dimensions mm	Code
2480	64x68x40	4756030
2489	87x90x30	4756040



"Biella" style

Cardboard cases with paper bag. Color: blue or gold yellow.

Please specify the color required when ordering.

Model	Dimensions mm	Code
2330	55x45x32	4726030
2331	47x47x25	4726031
2332	56x56x25	4726032
2333	65x65x25	4726033
2334	90x87x25	4726034
2335	230x45x23	4726035
2336	178x135x25	4726036



"Pavia" style

Suede-covered cases with velvet inside. Color: red.

Model	Dimensions mm	Code
86	70x70x27	4727282
95	60x60x24	4727285
137	180x190x30	4727287



"Vicenza" style

Plastic cases with multoprene inside.

Colors available: dotted blue - dotted bordeaux.

Please specify the color required when ordering.

Model	Dimensions mm	Code
2170	45x50x34	4727320
2171	45x50x22	4727321
2172	60x60x23	4727322
2174	60x85x23	4727324
2173	85x85x26	4727326
2177	250x50x23	4727328
2178	165x165x25	4727330





"Catania" style

Skivertex covered cases with velvet inside.

Colors available: ocean blue - red.

Please specify the color required when ordering.

Model	Dimensions mm	Code
2650	47x52x40	4727500
2654	70x70x26	4727510
2662	245x54x30	4727520
2663	192x194x45	4727530
2661	93x93x65	4727540



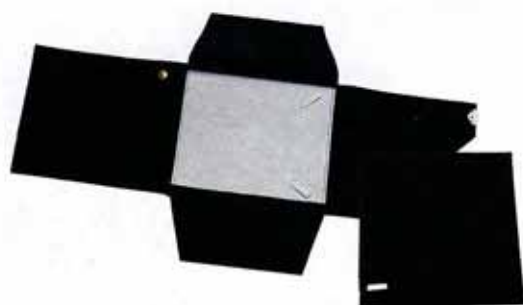
"Terni" style

Cardboard cases covered with ribbed paper. Inside: white multoprene.

Colors available: blue - red (all with beige bottom).

Please specify the color required when ordering.

Model	Dimensions mm	Code
2140	55x45x32	4738010
2145	230x45x23	4738012
2142	56x56x25	4738014
2146	178x135x25	4738016



Series 160

Suede case with suede inside.

Color: blue - red.

Please specify the color required when ordering.

Model	Dimensions mm	Code
598	160x180	4751040

Displays and suede pouches

Flocked chests

Flocked chests - small or big size. Color: black or red.

	Dimensions cm	Code
Large - black	20x24h	476320#N
Large - red	20x24h	476320#R
Small - black	15x17h	476321#N
Small - red	15x17h	476321#R



Flocked hands

Flocked open hands - 33 cm height. Color: black or red.

Description	Code
Black	476322#N
Red	476322#R



Suede pouches

Suede pouches with laces in 4 different colors and 6 sizes.
Minimum quantity: 10 pcs and multiples. Unit price.

Blue pouches

Dimensions cm	Code
6.5x5	476325#B
8x6.5	476326#B
10x8.5	476327#B
12.5x11	476328#B
14x12	476329#B
16x14	476330#B



Grey pouches

Dimensions cm	Code
6.5x5	476325#G
8x6.5	476326#G
10x8.5	476327#G
12.5x11	476328#G
14x12	476329#G
16x14	476330#G



Black pouches

Dimensions cm	Code
6.5x5	476325#N
8x6.5	476326#N
10x8.5	476327#N
12.5x11	476328#N
14x12	476329#N
16x14	476330#N



Red pouches

Dimensions cm	Code
6.5x5	476325#R
8x6.5	476326#R
10x8.5	476327#R
12.5x11	476328#R
14x12	476329#R
16x14	476330#R



Suede rolls and holders



Suede bags

Partially rigid bags (series 165), grey inside. Colour: blue or red. Please specify the colour required when ordering.

Model		Dimensions mm	Code
622	For rings	170x280	4752012
623	For chains	170x280	4752013
627	For earrings/brooches	170x280	4752020
629	With 15 trays	170x280	4752028



Suede rolls

Soft rolls (series 170), grey inside. Colour: blue or red. Please specify the colour required when ordering.

Model		Dimensions mm	Code
643	For rings	240x630	4754025
644	For chains	240x630	4754030
648	For bangles	340x70	4754045
663	For earrings	240x360	4754073
680	With 44 trays	240x630	4754168
697	Mix	240x670	4754245



Holders

White inside in sky/velvet and black outside.

Series 71

Folding holders with hooks for rings.

Model	Dimensions mm	Code
191	150x70x70	4715005
192	220x70x70	4715010



Series 70

Holders with hooks for rings.

Model	Dimensions mm	Code
200	155x115x45	4714010
201	220x115x45	4714015
202	220x150x45	4714020
204	290x205x45	4714040



Series 75

Holders with hooks for rings.

Model	Dimensions mm	Code
217	135x95x40	4714060
210	225x95x45	4714062

Suede rolls and holders

Series 80

Holder for chains with 10 sections.

Model	Dimensions mm	Code
250	330x225x35	4718050



Series 65

Holder for hard stones with 6 sections. Cases included.

Model	Dimensions mm	Code
169	260x180x43	4713050



Trays

Tall and short trays - dimensions 300x220 mm.

Model	Dimensions mm	Code
538	300x220x20	4746030
527	220x300x40	4749006



4746030



4749006

Boxes & containers



Boxes, plastic

Plastic boxes with transparent cover and removable trays, to store and find parts easily.

Dimensions mm	Compartments	Code
190x155x40h	12	4211486
240x186x55h	8	4211487
268x125x50h	10	4211485
268x188x50h	15	4211491
325x260x55h	16	4211488
400x340x70h	10	4211493



Shipping containers

Plastic containers complying with European standards. They have a slipping sealable cover to guarantee the safety for your objects. Capacity: 6-12-21 liters.

	Dimensions mm	Code
Mod. Omikron - 6 l	300x200x165h	4680520
Mod. Delta - 12 l	400x300x140h	4680515
Mod. Delta - 21 l	400x300x257h	4680510