

DOLL SHITING TECHNICAL LOGY

GEOMETRIC POLISHING



CONTACTS



POLISHING TECHNOLOGY®

Located in Gaillard, LAM PLAN specializes in industrial lapping and polishing solutions.

For 60 years, LAM PLAN teams have been designing and providing equipment and preparations guaranteeing its customers performance, quality and productivity.



SDS

Safety data sheets

Download all the safety data sheets in PDF format LAM PLAN according to the REACH and CLP regulations: (Classification Labelling Packaging).



www.fdsen.lamplan.com

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The 4 catalogues in English

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MANUALS

Instructions for use

Download in PDF format the operating instructions and manuals of the different LAM PLAN machines and products.



www.manen.lamplan.com



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VIDEOS

Machine and product films

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55 YEARS OF PASSION

FOR INNOVATION
DEDICATED TO OUR CUSTOMERS



LAM PLAN S.A. was awarded the TALENT INPI trophy by the National Institute of Industrial Property.

This distinction is awarded to SME-SMI companies that innovate and include industrial property in their development strategy and growth plans.



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EQUIPMENT

MICROMOTORS



Upgradeable micromotor controllers

M.M.880 CONTROLLER for micromotors with foot pedal regulator

Powerful controller for micromotors, suitable for intensive use in all types of deburring and polishing tasks. The M.M.880 is equipped with 2 outputs, which can be used alternatively. Variable speed controlled manually or by the supplied foot pedal controller. Dual direction of rotation with automatic overload protection. A torque management function guarantees a constant speed of rotation of the polishing tool, regardless of the pressure applied by the operator. Quick stop of the rotation when switched off.

Supplied accessories: foot pedal regulator, 2 handpiece holders.

Compatibility: all micromotors, except M.M.886, ultrasonic head and turbo engines.

M.M.880 CONTROLLER Data sheet

| | | | |
|-----------------------|------------------------------------|----------------------|----------------------|
| Type | for rotary and alternative engines | Voltage output | DC3-30 V (2 outputs) |
| Dimmer switch | manual on controller and pedal | Dimensions W x H x D | 170 x 110 x 195 mm |
| Direction of rotation | 2 | Weight | 2,1 kg |
| Voltage supply | AC 230 V - 50/60 Hz - 30 VA | Reference | 10 88030 00 |



M.M.885 CONTROLLER for micromotors and ultrasound

Powerful controller for ultrasonic micromotors and handpieces, suitable for heavy duty use in all types of deburring and polishing tasks. An automatic feed system is incorporated to adjust the frequency to suit the ultrasonic tool being used. Variable speed for the micromotors, controlled manually or by foot pedal controller (optional). Dual direction of rotation with automatic overload protection. A torque management function guarantees a constant rotation speed of the polishing tool, regardless of the pressure applied by the operator. Quick stop of the rotation when switched off.

Accessories supplied: 2 handpiece holders.

Compatibility: all micromotors and ultrasonics except M.M.886 and turbo engines.

M.M.885 CONTROLLER Data sheet

| | | | |
|-----------------------|--|----------------------|--|
| Type | for rotary, alternative and ultrasonic engines | Voltage output | DC3-30 V 0,3 A - Ultrasonic AC 6-60 V 22,6 KHz |
| Dimmer switch | manual on controller and pedal (in option) | Dimensions W x H x D | 170 x 110 x 195 mm |
| Direction of rotation | 2 | Weight | 2,6 kg |
| Voltage supply | AC 230 V - 50 Hz - 30 VA | Reference | 10 88530 00 |

FOOT PEDAL REGULATOR FOR M.M.880 AND 885

In combination with the M.M.880 and M.M.885 controllers, the pedal regulator provides on/off and foot speed control functions.



FOOT PEDAL REGULATOR Data sheet

| | |
|----------------------|-----------------------|
| Fonctions | Start/stop and dimmer |
| Dimensions W x H x D | 90 x 75 x 190 mm |
| Cable | L 1,85 m |
| Weight | 490 gr |
| Reference | 10 88034 00 |

Our know-how in the design of diamond abrasives associated with a wide range of supports and toolings allows us to respond to all requests concerning the polishing of components with complex geometries.

MICROMOTORS

M.M.886 CONTROLLER AND MICROMOTOR PACKAGE

Complete set including 1 M.M.886 CONTROLLER and its compatible rotary MICROMOTOR. Variable speed controller with two directions of rotation and automatic protection in case of overload. A torque management function guarantees a constant speed of rotation of the polishing tool, regardless of the pressure applied by the operator.

Supplied accessories: spare fuse (UF-1A), other accessories see M.M.886 micromotor description.

Compatibility: M.M.886 micromotor only. Controller not compatible with foot pedal controller.

**M.M.886 CONTROLLER Data sheet**

| | | | |
|-----------------------|-----------------------------|----------------------|------------------------|
| Type | for M.M.886 rotary engine | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Dimmer switch | 3 000 to 20 000 tr/min. | Dimensions W x H x D | 130 x 85 x 162 mm |
| Direction of rotation | 2 | Weight | 1,5 kg |
| Voltage supply | AC 230 V - 50/60 Hz - 23 VA | Reference | 10 88630 00 |

MICROMOTOR (only) FOR M.M.886 CONTROLLER

Handpiece specific to the M.M.886 CONTROLLER, monobloc micromotor type with stainless steel body. Lightweight and well-balanced, its variable speed of rotation from 3000 to 20,000 rpm is suitable for all common deburring and polishing situations. Supplied with 3 interchangeable quick-clamping jaws compatible with all types of rotary tooling.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons, 3 jaws \varnothing 2.35 - 3.00 - 3.175 mm.

Compatibility: only with M.M.886 controller.

**M.M.886 MICROMOTOR Data sheet**

| | | | |
|--------|-------------------------------|------------------------|------------------------------------|
| Type | Rotary micromotor for M.M.886 | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 3 000 to 20 000 tr/min. | Dimensions | \varnothing max. 24 mm, L 128 mm |
| Torque | n.c. | Weight (without cable) | 180 gr |
| | | Reference | 10 88630 20 |

Diaphragm compressor

Diaphragm compressor for laboratories which are not equipped with a compressed air network. Silent operation.

| Output | Pressure | Dim. W x H x D | Ref. | |
|----------|----------|--------------------|-------------|---|
| 50 l/min | 8 bar | 330 x 500 x 330 mm | 60 COM00 00 | # |



Rotary micromotors

STRAIGHT RED ROTARY MICROMOTOR



Rotary motion handpiece with standard head. Lightweight and well balanced, its variable speed of rotation from 3000 to 30,000 rpm is suitable for deburring and polishing situations.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons and 2 interchangeable quick-clamping jaws compatible with all types of rotary tools \varnothing 2.35 - 3.00 mm.

Compatibility: M.M.880 and M.M.885 controllers

STRAIGHT RED ROTARY MICROMOTOR Data sheet

| | | | |
|-------------------------------|-------------------------|------------------------|--------------------------------------|
| Type | Rotary micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 3 000 to 30 000 tr/min. | Dimensions | \varnothing max. 31,6 mm, L 170 mm |
| Torque | 6,5 Ncm | Weight (without cable) | 295 gr |
| Compatible jaws \varnothing | 3,175 mm | Reference | 10 88040 00 |

STRAIGHT RED ROTARY MICROMOTOR WITH REINFORCED HEAD



Rotary handpiece with reinforced head, modular micromotor type. For difficult milling operations with high vibration and pressure loads.

Accessories supplied: 1 micromotor support, tools for changing jaws and maintenance, 1 set of replacement carbons and 2 interchangeable quick-change jaws \varnothing 6.00 - 3.00 mm.

Compatibility: M.M.880 and M.M.885 controllers

STRAIGHT RED ROTARY MICROMOTOR WITH REINFORCED HEAD Data sheet

| | | | |
|-------------------------------|-------------------------|------------------------|--------------------------------------|
| Type | Rotary micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 3 000 to 30 000 tr/min. | Dimensions | \varnothing max. 31,6 mm, L 175 mm |
| Torque | 6,5 Ncm | Weight (without cable) | 360 gr |
| Compatible jaws \varnothing | 3,175 mm | Reference | 10 88041 00 |

«SUPER LIGHT» ROTARY MICROMOTOR



Lightweight, one-piece micromotor type handpiece. For finishing operations, polishing, deburring, engraving, grinding, limiting operator fatigue.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons and 2 interchangeable quick-clamping jaws \varnothing 2.35 - 3.00 mm.

Compatibility: M.M.880 and M.M.885 controllers

«SUPER LIGHT» ROTARY MICROMOTOR Data sheet

| | | | |
|-------------------------------|-------------------------|------------------------|--------------------------------------|
| Type | Rotary micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 2 000 to 20 000 tr/min. | Dimensions | \varnothing max. 27,5 mm, L 145 mm |
| Torque | 6,5 Ncm | Weight (without cable) | 200 gr |
| Compatible jaws \varnothing | 3,175 mm | Reference | 10 88042 00 |

GREEN BENT 90° ROTARY MICROMOTOR



Handpiece, modular micromotor type with reinforced head with 90° angle transmission. For finishing operations, generally used with polishing discs.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons and 2 interchangeable quick-clamping jaws \varnothing 2.35 - 3.00 mm

Compatibility: M.M.880 and M.M.885 controllers.

GREEN BENT 90° ROTARY MICROMOTOR Data sheet

| | | | |
|-------------------------------|-------------------------|------------------------|---|
| Type | Rotary micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 1 500 to 15 000 tr/min. | Dimensions | \varnothing max. 31,6 mm, 45 x 160,5 mm |
| Torque | 8,8 Ncm | Weight (without cable) | 380 gr |
| Compatible jaws \varnothing | 3,175 mm | Reference | 10 88046 00 |

MICROMOTORS

GREEN BENT 120° ROTARY MICROMOTOR

Handpiece, micromotor type with reinforced head with 120° angle transmission, for finishing operations, generally used with polishing discs.

Accessories supplied: 1 micromotor holder, tool for changing jaws and maintenance, 1 set of replacement brushes, 2 interchangeable quick-release jaws Ø 2.35 - 3.00 mm.

Compatibility: M.M.880 and M.M.885 controllers

**GREEN BENT 120° ROTARY MICROMOTOR Data sheet**

| | | | |
|-------------------|-------------------------|------------------------|-----------------------------|
| Type | Rotary micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 1 500 to 15 000 tr/min. | Dimensions | Ø max. 31,6 mm, 47 x 169 mm |
| Torque | 8,8 Ncm | Weight (without cable) | 385 gr |
| Compatible jaws Ø | 3,175 mm | Reference | 10 88047 00 |

Alternating micromotors**BLACK FILING MICROMOTOR**

Handpiece, modular micromotor type with straight head with angular movement (sweeping). For finishing operations, generally used with diamond stones and files.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons and 1 jaw Ø 2.00 to 4.7 mm.

Compatibility: M.M.880 and M.M.885 controllers

**BLACK FILING MICROMOTOR Data sheet**

| | | | |
|-------------------|---------------------------------|------------------------|------------------------|
| Type | Scanning alternating micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 800 to 8 000 osc./min. | Dimensions | Ø max. 31,6 mm, 182 mm |
| Torque | 6,5 Ncm | Weight (without cable) | 316 gr |
| Compatible jaws Ø | 1,6 mm | Reference | 10 88045 00 |

GREY FILING MICROMOTOR

One-piece motor type handpiece with longitudinal pistol grip for finishing operations, generally used with wood or felt lapidaries.

Accessories supplied: 1 support for micromotor, tools for changing jaws and maintenance, 1 set of replacement carbons and 1 jaw Ø 2.00 to 6.35 mm.

Compatibility: M.M.880 and M.M.885 controllers

**GREY FILING MICROMOTOR Data sheet**

| | | | |
|--------|-------------------------------|------------------------|------------------------|
| Type | Linear alternating micromotor | Voltage output | DC3-30 V - 0,2 à 0,4 A |
| Speed | 700 to 7 000 osc./min | Dimensions W x H x D | 40 x 128 x 140 mm |
| Torque | n.c. | Weight (without cable) | 675 gr |
| Course | 0 to 6 mm | Reference | 10 88043 00 |

Replacement carbon brushes for micromotors

| Type | Ref. |
|---|------------|
| Straight red rotary device | 10 1070 82 |
| Straight red rotary device with reinforced head | 10 1070 82 |
| Grey filing device | 10 1070 84 |
| "Super light" rotary device | 10 1070 83 |
| Green bent 90° rotary device | 10 1070 82 |
| Green bent 120° rotary device | 10 1070 82 |
| M.M.886 | 10 1070 66 |



Jaws for micromotors

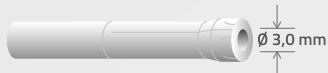
1 piece



Ø 2,35 mm

- Characteristics**
- Straight red rotary device
 - Green bent 90° rotary device
 - Green bent 120° rotary device
 - "Super light" rotary device
 - M.M.886

10 1090 13



Ø 3,0 mm

- Compatibility**
- Straight red rotary device
 - Green bent 90° rotary device
 - Green bent 120° rotary device
 - "Super light" rotary device
 - M.M.886

10 1090 07



Ø 3,175 mm

- Compatibility**
- Straight red rotary device
 - Green bent 90° rotary device
 - Green bent 120° rotary device
 - "Super light" rotary device
 - M.M.886

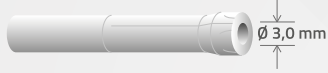
10 1090 11



Ø 6,0 mm

- Compatibility**
- Straight red rotary device with reinforced head

10 1090 07



Ø 3,0 mm

- Compatibility**
- Straight red rotary device with reinforced head

10 1072 51

Ultrasonic micromotor

ULTRASONIC HEAD



Handpiece, one-piece ultrasonic micromotor type. Compact and lightweight, ergonomically designed to improve efficiency. Applications include finishing of plastic moulds, die castings, ceramics, non-ferrous and precious metals. Ideal for deburring, polishing and removing EDM burrs.

Accessories supplied: 1 micromotor support, tools for changing jaws and maintenance, 1 diamond file, 1 interchangeable Ø 3 mm quick-clamping jaws and 2 collets, thickness 0.5 and 1 mm.

Compatibility: M.M.885 controller

ULTRASONIC HEAD Data sheet

| | | | |
|-----------|------------------------|------------------------|----------------------|
| Type | Ultrasonic micromotor | Voltage | AC 6-60 V 22,6 KHz |
| Frequency | 800 to 8 000 osc./min. | Dimensions | Ø max. 29 mm, 140 mm |
| Course | 45 µm | Weight (without cable) | 196 gr |
| | | Reference | 10 88540 00 |

Jaws for ultrasonic micromotor

JAWS

2 pieces



| Type | mm | Grain | Ref. |
|------|---------|-------|-------------|
| | Ø 2 | - | 40 US005 00 |
| | Ø 3 | - | 40 US006 00 |
| | t = 0,5 | - | 40 US015 00 |
| | t = 0,8 | - | 40 US016 00 |
| | t = 1 | - | 40 US018 00 |
| | t = 2 | - | 40 US007 00 |
| | t = 3 | - | 40 US008 00 |

MICROMOTORS

Turbomotors

M.M.888.4 LINEAR TURBOMOTOR

Turbomotor providing high torque and speed. With a stroke of 0.7 mm and a movement frequency of 350 strokes/sec. Mainly made of lightweight composite materials, this turbo motor allows easy working for a long time without fatigue or overheating. Integrated on/off control ring.

Supplied accessories: 1 x 1.50 m hose with clamps, 1 x hose holder, 1 x key, 1 x ceramic stone and 1 x multi-purpose jaw for \varnothing 3 and 3 x 10 mm max.



M.M.888.4 Data sheet

| | | | |
|-----------|-------------------------------|-----------------|---|
| Type | Linear alternating micromotor | Air consumption | 46 NL/min. |
| Frequency | 0 à 22 000 coups/min. | Power supply | Compressor 60 COM00 00 or compressed air network 6 Bar flow rate higher than 70 NL/min. |
| Pressure | 6 bars | Dimensions | \varnothing max. 28 mm, 218 mm |
| Course | 0,7 mm | Weight | 180 gr |
| Connector | PT 1/4 | Reference | 10 88840 00 |

M.M.888.3 ROTARY TURBOMOTOR

Turbomotor is made of composite materials and is particularly thin and light, allowing easy working for a long time without fatigue or overheating. Integrated on/off control ring.

Supplied accessories: 1 x 1.50 m hose with clamps, 1 x hose holder, tools, 1 x \varnothing 10 mm grinding wheel and 1 x \varnothing 3 mm jaw.



M.M.888.3 Data sheet

| | | | |
|------------|-------------------|-----------------|--|
| Type | Rotary micromotor | Air consumption | 120 NL/min. |
| Speed | 65 000 tr/min. | Power supply | Compressed air network 6 Bar flow rate higher than 150 NL/min. |
| Pressure | 6 bars | Dimensions | \varnothing max. 22,50mm, 218 mm |
| Course | 0,7 mm | Weight | 78 gr |
| Connection | PT 1/4 | Reference | 10 88830 00 |

Maintenance and repairs

In order to always get the best and to prolong the life of your equipment, LAM PLAN offers you preventive and curative maintenance services on all its range of shape polishing equipment.

Do not hesitate to contact your usual contact person, after taking charge of your project in our workshops, we will draw up a personalised estimate.



TOOLS

TOOLS



Disc holders series 9904

Holders for self-adhesive discs, used in rotation.

5 pieces

| Shaft: Ø 3 mm | |
|---------------|-------------|
| Ø in mm | Ref. |
| 18 | 99 04018 00 |
| 30 | 99 04030 00 |



Rectangular holders

Active zone: 10 x 20 mm.

1 piece

| Shaft : Ø 3 L : 60 mm | |
|-----------------------|-------------|
| Type | Ref. |
| Articulated | 99 09905 20 |
| Rigid | 99 09905 10 |



Self-adhesive abrasive discs

For small surface rough polishing, used in rotation.

SERIES 9950

50 pieces

| Grain | Ø 18 mm | Ø 30 mm |
|-------|-------------|-------------|
| | Ref. | Ref. |
| 80 | 99 05080 10 | 99 05080 30 |
| 120 | 99 05120 10 | 99 05120 30 |
| 180 | 99 05180 10 | 99 05180 30 |
| 240 | 99 05240 10 | 99 05240 30 |
| 320 | 99 05320 10 | 99 05320 30 |
| 400 | 99 05400 10 | 99 05400 30 |
| 600 | 99 05600 10 | 99 05600 30 |
| 1200 | 99 51200 10 | 99 51200 30 |



Self-adhesive polishing discs

SERIES 9914

50 pieces

| Type | Ø in mm | Ref. |
|------------|---------|-------------|
| 1450 woven | 18 | 99 01450 10 |
| 1431 felt | 18 | 99 01431 10 |
| 1450 woven | 30 | 99 01450 30 |
| 1431 felt | 30 | 99 01431 30 |

Tools on sticks, diamond rasps, lapping rods, polishing supports and abrasive stones.

TOOLS

Self-adhesive polishing squares

SERIES 400

10 pieces

| Polishing cloths for contour work | | |
|-----------------------------------|-----------|-------------|
| Type | mm | Ref. |
| 437 brown felt | 150 x 150 | 04 C0437 10 |
| | 200 x 200 | 04 C0437 20 |
| 431 red felt | 150 x 150 | 04 C0431 10 |
| | 200 x 200 | 04 C0431 20 |



SERIES 4400

10 pieces

| Polishing cloths for contour work | | |
|-----------------------------------|-----------|-------------|
| Type | mm | Ref. |
| 4450 white woven | 150 x 150 | 04 C4450 10 |
| | 200 x 200 | 04 C4450 20 |



Prepolishing discs

CAMEO® PLATINIUM

10 pieces

| Self-adhesive discs for large surface pre-polishing, used in rotation | | |
|---|------|-------------|
| Designation | mm | Ref. |
| Platinum 0 | Ø 18 | 09 CA130200 |
| Platinum 1 | Ø 18 | 09 CA140200 |
| Platinum 2 | Ø 18 | 09 CA150200 |
| Platinum 3 | Ø 18 | 09 CA160200 |
| Platinum 0 | Ø 30 | 09 CA130300 |
| Platinum 1 | Ø 30 | 09 CA140300 |
| Platinum 2 | Ø 30 | 09 CA150300 |
| Platinum 3 | Ø 30 | 09 CA160300 |





Diamond grinding points

Accurate grinding, deburring, levelling, etching.
 Advantages in comparison with corundum grinders: better surface finish and low wear and tear with small diameters or points. High durability.

SERIES 6800

1 piece

| Shaft: Ø 3 mm - Length: 38 mm - Grain: 120 | | | | | |
|--|-----------|-------------|------|-----------|-------------|
| Type | mm | Ref. | Type | mm | Ref. |
| | 2,1 x 2,1 | 46 21210 00 | | 3,1 x 9 | 46 30850 00 |
| | 3,5 x 3,5 | 46 35350 00 | | 5 x 13 | 46 48130 00 |
| | 1,6 x 1,6 | 46 16160 00 | | 8,0 x 13 | 46 80130 00 |
| | 1,8 x 1,6 | 46 18160 00 | | 3,1 x 9 | 46 30900 00 |
| | 2,7 x 2,5 | 46 27250 00 | | 5 x 13 | 46 48131 00 |
| | 3,7 x 3 | 46 37300 00 | | 2,7 x 8,5 | 46 27850 00 |
| | 4,7 x 3 | 46 47300 00 | | 3,1 x 9 | 46 31851 00 |
| | 2,9 x 6 | 46 30600 00 | | 2,1 x 7 | 46 21701 00 |
| | 4,7 x 1,5 | 46 47150 00 | | 3,1 x 8,5 | 46 31852 00 |
| | 8,0 x 2,5 | 46 80220 00 | | 1,6 x 6,5 | 46 16651 00 |
| | 16 x 3 | 46 16270 00 | | 3,1 x 8,5 | 46 31853 00 |
| | 22 x 3 | 46 22270 00 | | 3,1 x 8,5 | 46 31854 00 |
| | 8,0 x 0,6 | 46 80050 00 | | 5 x 10 | 46 48100 00 |
| | 4,7 x 1 | 46 47100 00 | | 5 x 8 | 46 48800 00 |
| | 2,7 x 9 | 46 27800 00 | | 5 x 13 | 46 48132 00 |
| | 3,1 x 8,5 | 46 31850 00 | | 5 x 13 | 46 48133 00 |
| | 5,0 x 13 | 46 50130 00 | | 8,0 x 13 | 46 80131 00 |
| | 1,6 x 6,5 | 46 16650 00 | | 8,0 x 3,5 | 46 80300 00 |
| | 2,1 x 7 | 46 21700 00 | | 22 x 0,3 | 46 22100 00 |
| | 2,7 x 8 | 46 27801 00 | | 22 x 0,4 | 46 22200 00 |
| | | | | 22 x 0,5 | 46 22300 00 |

SERIES 7400

1 piece

Shaft: Ø 3 mm - Length: 38 mm - Grain: 170

| Type | mm | Ref. | Type | mm | Ref. |
|------|-----------|-------------|------|-----------|-------------|
| | 2,3 x 7,5 | 47 23700 00 | | 3,1 x 9 | 47 31900 00 |
| | 2,7 x 9 | 47 27800 00 | | 5 x 13 | 47 48134 00 |
| | 5,0 x 13 | 47 50130 00 | | 2,7 x 8,5 | 47 27802 00 |
| | 1,6 x 6,5 | 47 16650 00 | | 2,1 x 7 | 47 21701 00 |
| | 2,1 x 7 | 47 21700 00 | | 3,1 x 9 | 47 31850 00 |
| | 2,7 x 8 | 47 27801 00 | | 5,0 x 13 | 47 50132 00 |
| | 5,0 x 13 | 47 50131 00 | | | |



Abrasive caps

Abrasive caps are used to deburr metallic parts and also for medium polishing. Their shape makes them suitable for parts with a rounded base.

GRAIN 80

1 support + 100 caps

| Type | Stem mm | Cap mm | Ref. |
|------|---------|-----------|-------------|
| | Ø 3 | Ø 7 L 10 | 40 CA078 10 |
| | Ø 3 | Ø 12 L 15 | 40 CA128 20 |
| | Ø 6 | Ø 18 L 26 | 40 CA188 30 |
| | Ø 3 | Ø 7 L 11 | 40 CA078 40 |
| | Ø 3 | Ø 12 L 15 | 40 CA128 50 |
| | Ø 6 | Ø 18 L 26 | 40 CA188 60 |
| | Ø 3 | Ø 7 L 11 | 40 CA078 70 |
| | Ø 3 | Ø 12 L 15 | 40 CA128 80 |
| | Ø 6 | Ø 18 L 26 | 40 CA188 90 |



GRAIN 150

GRAIN 320

| Type | Stem mm | Cap mm | Ref. | Ref. |
|------|---------|-----------|-------------|-------------|
| | Ø 3 | Ø 7 L 10 | 40 CA071 10 | 40 CA073 10 |
| | Ø 3 | Ø 12 L 15 | 40 CA121 20 | 40 CA123 20 |
| | Ø 6 | Ø 18 L 26 | 40 CA181 30 | 40 CA183 30 |
| | Ø 3 | Ø 7 L 11 | 40 CA071 40 | 40 CA073 40 |
| | Ø 3 | Ø 12 L 15 | 40 CA121 50 | 40 CA123 50 |
| | Ø 6 | Ø 18 L 26 | 40 CA181 60 | 40 CA183 60 |
| | Ø 3 | Ø 7 L 11 | 40 CA071 70 | 40 CA073 70 |
| | Ø 3 | Ø 12 L 15 | 40 CA121 80 | 40 CA123 80 |
| | Ø 6 | Ø 18 L 26 | 40 CA181 90 | 40 CA183 90 |



Grinding points Pink corundum

Maximum speed: 45m/sec. Hardness: N.

GRAIN 80/120

10 pieces

| Shaft: Ø 3 mm - Length: 35 mm | | | | | |
|-------------------------------|-----------|-------------|------|---------------|-------------|
| Type | mm | Ref. | Type | mm | Ref. |
| | 9 x 2,2 | 40 CR901 00 | | 7 x 4 | 40 CR720 00 |
| | 9 x 3 | 40 CR902 00 | | 8 x 4 | 40 CR821 00 |
| | 8,5 x 2,2 | 40 CR853 00 | | 2,5 x 6 | 40 CR252 20 |
| | 4 x 1,2 | 40 CR404 00 | | 5 x 6 | 40 CR523 00 |
| | 5,5 x 3 | 40 CR555 00 | | 6 x 6 | 40 CR624 00 |
| | 7/3,5 x 6 | 40 CR706 00 | | 5 x 2 | 40 CR525 00 |
| | 5/2 x 2,7 | 40 CR507 00 | | 6 x 2,3 | 40 CR626 00 |
| | 6,5/2 x 3 | 40 CR658 00 | | 3,5/2 x 10 | 40 CR352 70 |
| | 8/3,5 x 4 | 40 CR809 00 | | 5,5/3,5 x 10 | 40 CR552 80 |
| | 3/2 x 4 | 40 CR310 00 | | 3,3/2,2 x 6,2 | 40 CR332 90 |
| | 5/3 x 5 | 40 CR511 00 | | 3/4,6 x 10 | 40 CR330 00 |
| | 7/5 x 6 | 40 CR712 00 | | 5 x 3,2 | 40 CR531 00 |
| | 3 x 6 | 40 CR313 00 | | 5 x 7 | 40 CR532 00 |
| | 4 x 6 | 40 CR414 00 | | 6 x 8 | 40 CR633 00 |
| | 5 x 6 | 40 CR515 00 | | 4,3 x 7 | 40 CR433 40 |
| | 3 x 6 | 40 CR316 00 | | 6,2 x 10 | 40 CR623 50 |
| | 4 x 4 | 40 CR417 00 | | 6,3 x 10 | 40 CR633 60 |
| | 6 x 8 | 40 CR618 00 | | Kit 36 pieces | 40 CR363 70 |
| | 3 x 2 | 40 CR319 00 | | | |

TOOLS

Grinding points Ruby sapphire

Maximum speed: 45 m/sec. Hardness: N.

GRAIN 100

10 pieces

| Shaft: Ø 3 mm - Length: 40 mm | | | | | |
|-------------------------------|--------|-------------|---------------|-------------|-------------|
| Type | mm | Ref. | Type | mm | Ref. |
| | 2 x 6 | 40 RS020 10 | | 6 x 12 | 40 RS061 20 |
| | 4 x 8 | 40 RS040 20 | | 8 x 10 | 40 RS081 30 |
| | 5 x 10 | 40 RS050 30 | | Ø 5 | 40 RS051 40 |
| | 8 x 10 | 40 RS080 40 | | Ø 8 | 40 RS081 50 |
| | 5 x 2 | 40 RS050 50 | | Ø 10 | 40 RS101 60 |
| | 10 x 2 | 40 RS100 60 | | 3 x 6 | 40 RS031 70 |
| | 10 x 5 | 40 RS100 70 | | 4 x 8 | 40 RS041 80 |
| | 10 x 2 | 40 RS100 80 | | 8 x 8 | 40 RS081 90 |
| | 5 x 10 | 40 RS050 90 | | 10 x 10 | 40 RS102 00 |
| | 7 x 12 | 40 RS071 00 | Kit 20 pieces | 40 RS122 10 | |
| | 6 x 10 | 40 RS061 10 | | | |



Grinding points Silicon carbide

GRAIN 120

10 pieces

| Shaft: Ø 3 mm - Length: 40 mm | |
|-------------------------------|--------------|
| Ø in mm | Ref. |
| 2 x 5 | 40 CB205 00 |
| 3 x 6 | 40 CB306 00 |
| 4 x 8 | 40 CB408 00 |
| 5 x 10 | 40 CB510 00 |
| 8 x 10 | 40 CB810 00 |
| 10 x 10 | 40 CB8101 00 |





Carbide end mills

1 piece

| Shaft: Ø 3 mm - Length: 38 mm | | | |
|-------------------------------|------|--------------|-------------|
| Type | *Kit | mm | Ref. |
| | | 3,0 x 14 | 40 FC301 00 |
| | ✓ | 2,5 x 11 | 40 FC252 00 |
| | ✓ | 1,5 x 6 | 40 FC153 00 |
| | | Ø 3 | 40 FC304 00 |
| | ✓ | 3 x 14 | 40 FC305 00 |
| | ✓ | 2,5 x 11 | 40 FC306 00 |
| | ✓ | 3 x 12 | 40 FC257 00 |
| | | 3 x 6 | 40 FC308 00 |
| | | 3 x 12 | 40 FC309 00 |
| | ✓ | 3 x 10 | 40 FC310 00 |
| | | 3 x 6 | 40 FC311 00 |
| | ✓ | 3 x 6 | 40 FC312 00 |
| | ✓ | Ø 3 | 40 FC313 00 |
| | | Ø 2,5 | 40 FC251 40 |
| | | 3 x 16 x 7 | 40 FC315 00 |
| | ✓ | 3 x 11 x 14 | 40 FC316 00 |
| | | 3 x 9 x 12 | 40 FC317 00 |
| | | 3 x 12 x 8 | 40 FC318 00 |
| | | 3 x 9 x 8 | 40 FC319 00 |
| | | 3 x 9 | 40 FC320 00 |
| | | 3 x 6 | 40 FC321 00 |
| | | 3 x 6 | 40 FC322 00 |
| | | 3 x 5 x 10 | 40 FC323 00 |
| | | 2,5 x 3 x 10 | 40 FC252 40 |
| * Kit included 9 pieces | | | 40 FC120 00 |
| Shaft: Ø 3 mm - Length: 45 mm | | | |
| | | 0,9 x 0,75 | 40 FC409 00 |
| | | 1 x 0,8 | 40 FC410 00 |
| | | 1,2 x 1 | 40 FC412 00 |
| | | 1,4 x 1,2 | 40 FC414 00 |
| | | 1,6 x 1,4 | 40 FC416 00 |

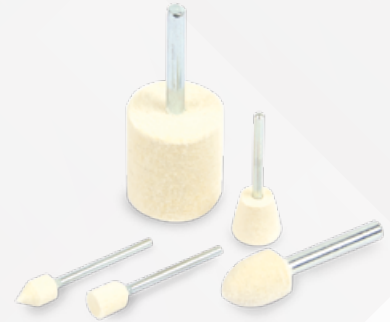
TOOLS

Rotary polishing felts

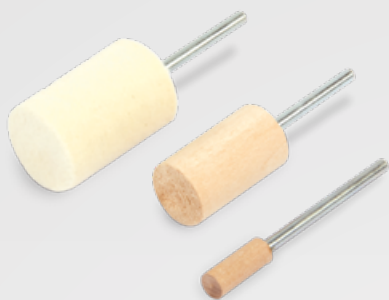
For use with BioDIAMANT® gels and pastes: finishing, geometric polishing.

10 pieces

| Shaft: Ø 3 mm - Length: 38 mm | | | | |
|-------------------------------|------|----------------|-------------|--|
| Type | *Kit | Ø x L (mm) | Ref. | |
| | ✓ | Ø 6 x L 10 | 40 FR060 10 | |
| | ✓ | Ø 8 x L 12 | 40 FR080 20 | |
| | ✓ | Ø 6 x L 10 | 40 FR060 30 | |
| | ✓ | Ø 8 x L 12 | 40 FR080 40 | |
| | ✓ | Ø 6 x L 10 | 40 FR060 50 | |
| | ✓ | Ø 8 x L 12 | 40 FR080 60 | |
| | ✓ | Ø 6 x L 10 | 40 FR060 70 | |
| | ✓ | Ø 8 x L 10 | 40 FR080 80 | |
| | ✓ | Ø 10 x L 10 | 40 FR100 90 | |
| | ✓ | Ø 6 x L 10 | 40 FR061 20 | |
| | ✓ | Ø 8 x L 12 | 40 FR081 30 | |
| | ✓ | Ø 10 x L 18 | 40 FR101 00 | |
| | ✓ | Ø 9/6 x 15 | 40 FR096 10 | |
| | ✓ | Ø 15/10 x L 15 | 40 FR151 10 | |
| | ✓ | *Kit 14 pieces | 40 FR130 00 | |



| Shaft: Ø 6 mm - Length: 40 mm | | | | | |
|----------------------------------|-----------|-------------|----------------------------------|----------|-------------|
| Type | mm | Ref. | Type | mm | Ref. |
| | 10 x 12 | 40 FR102 00 | | 15 x 20 | 40 FR152 50 |
| | 15 x 20 | 40 FR152 10 | | | |
| | 20 x 20 | 40 FR202 20 | | | |
| | 25 x 30 | 40 FR252 30 | | | |
| | 30 x 35 | 40 FR303 70 | | | |
| | 20 x 30 | 40 FR202 40 | | 30 x 20 | 40 FR302 60 |
| Shaft: Ø 2,35 mm - Length: 35 mm | | | Shaft: Ø 2,35 mm - Length: 40 mm | | |
| Type | mm | Ref. | Type | mm | Ref. |
| | 7 x 15 | 40 FR715 00 | | 22 x 0,5 | 40 FR225 10 |
| | 12/8 x 12 | 40 FR120 10 | | 22 x 5 | 40 FR225 00 |



Cylindrical rotary accessories

SERIES 9908

10 pieces

| Shaft: Ø 3 mm | | | | | |
|---------------|-----------|--------------|--------------|-----------|--------------|
| mm | Type | Ref. | mm | Type | Ref. |
| Ø 20 L 30 | Hard wood | 99 084 10 01 | Ø 10 L 20 | Hard wood | 99 084 16 01 |
| | Soft wood | 99 084 11 01 | | Soft wood | 99 084 17 01 |
| | Felt | 99 084 12 01 | | Felt | 99 084 18 01 |
| Ø 15 L 25 | Hard wood | 99 084 13 01 | Ø 6 L 15 | Hard wood | 99 084 19 01 |
| | Soft wood | 99 084 14 01 | | Soft wood | 99 084 20 01 |
| | Felt | 99 084 15 01 | | Felt | 99 084 21 01 |



Pointed rotary accessories

SERIES 9908

10 pieces

| Shaft: Ø 3 mm | | | | | |
|---------------|-----------|--------------|--------------|-----------|--------------|
| mm | Type | Ref. | mm | Type | Ref. |
| Ø 20 L 30 | Hard wood | 99 084 28 01 | Ø 13 L 20 | Hard wood | 99 084 34 01 |
| | Soft wood | 99 084 29 01 | | Soft wood | 99 084 35 01 |
| | Felt | 99 084 30 01 | | Felt | 99 084 36 01 |
| Ø 10 L 30 | Hard wood | 99 084 31 01 | Ø 9 L 15 | Hard wood | 99 084 37 01 |
| | Soft wood | 99 084 32 01 | | Soft wood | 99 084 38 01 |
| | Felt | 99 084 33 01 | | Felt | 99 084 39 01 |



Spherical rotary accessories

SERIES 9908

10 pieces

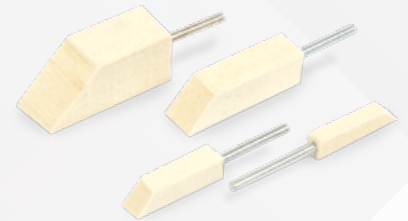
| Shaft: Ø 3 mm | | | | | |
|---------------|-----------|--------------|------|-----------|--------------|
| mm | Type | Ref. | mm | Type | Ref. |
| Ø 15 | Hard wood | 99 084 22 01 | Ø 10 | Hard wood | 99 084 25 01 |
| | Soft wood | 99 084 23 01 | | Soft wood | 99 084 26 01 |
| | Felt | 99 084 24 01 | | Felt | 99 084 27 01 |

TOOLS

Felt lapping rods

1 piece








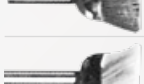


| Shaft: Ø 3 mm | |
|-----------------|-------------|
| Dim. (mm) | Ref. |
| 6 x 6 L 25/30 | 99 08478 10 |
| 8 x 8 L 25/30 | 99 08478 20 |
| 10 x 10 L 22/30 | 99 08478 30 |
| 12 x 12 L 35/45 | 99 08478 40 |
| 18 x 18 L 15/30 | 99 08478 50 |



Polishing grinding brushes

For use with BioDIAMANT® gels and pastes: geometric polishing and cavities.
Brass: pre-polishing. - **Black silk:** polishing. - **White silk:** super-finishing.

10 pieces

| Shaft: Ø 2,35 mm - Length: 40 mm | | | |
|---|------------|------------|-------------|
| Type | mm | Material | Ref. |
|  | Ø 21 x 2 | Brass | 40 BR210 00 |
|  | Ø 21 x 1 | Black silk | 40 BR211 00 |
|  | Ø 21 x 1 | White silk | 40 BR212 00 |
|  | Ø 19 x 2 | Brass | 40 BR190 00 |
|  | Ø 19 x 1 | Black silk | 40 BR191 00 |
|  | Ø 19 x 1 | White silk | 40 BR192 00 |
|  | Ø 12 x 6 | Brass | 40 BR123 00 |
|  | Ø 12 x 6 | Black silk | 40 BR121 00 |
|  | Ø 12 x 6 | White silk | 40 BR122 00 |
|  | Ø 5,5 x 11 | Brass | 40 BR052 00 |
| | Ø 5,5 x 11 | White silk | 40 BR051 00 |



Jet brushes

1 piece

| Brass wire bottlebrush jet brushes | |
|------------------------------------|-------------|
| Ø in mm | Ref. |
| 4 | 40 BR504 00 |
| 5 | 40 BR505 00 |
| 6 | 40 BR506 00 |
| 8 | 40 BR508 00 |
| 10 | 40 BR510 00 |





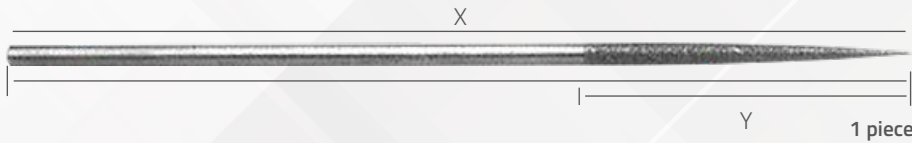
Diamond files

Diamond files are electroplated, the quality of the coated diamond guarantees even stock removal. The manufacturing process results in long durability. These tools are mainly used for manual work, pre-polishing or fine deburring. They can also be mounted in filing or ultrasonic devices. Their length can be reduced simply by cutting with a diamond disc.

1 piece

| | | Shaft: Ø 3 mm | | | |
|------|-----------|---------------|--------------|----------------------------|--|
| Type | mm | Grain | Unit | Ref. | |
| | 1,5 5 | 60 | | 44 LD211 00 | |
| | 1,5 5 | 60 | | 44 LD212 00 | |
| | 3 | 60 | | 44 LD213 00 | |
| | 5 | 60 | | 44 LD214 00 | |
| | 1,5 5 | 60 | Mesh | 44 LD215 00 | |
| | 1,5 5 | 60 140 | Mesh Mesh | 44 LD311 00 44 LD411 00 | |
| | 5 | 60 140 | Mesh Mesh | 44 LD314 00 44 LD414 00 | |
| | 3 | 60 140 | Mesh Mesh | 44 LD316 00 44 LD416 00 | |
| | Ø 3 | 60 140 | Mesh Mesh | 44 LD317 00 44 LD417 00 | |
| | 4 | 60 140 | Mesh Mesh | 44 LD313 00 44 LD413 00 | |
| | 0,4 12 | D76 | Fepa | 44 LD418 00 | |
| | 0,6 12 | D76 | Fepa | 44 LD419 00 | |
| | 0,8 12 | D76 | Fepa | 44 LD420 00 | |
| | 1 12 | D76 | Fepa | 44 LD421 00 | |
| | 5 20 | D126 | Fepa | 44 LD422 00 | |

TOOLS



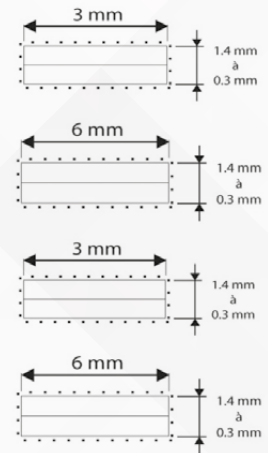
| Grain | Dim. (mm) | Stem | Ø in mm | Ref. |
|-------|---------------|--------|---------|-------------|
| 320 | X=175 - Y=40 | Ø 3 mm | 1 | 49 LD330 20 |
| 500 | X=175 - Y=40 | Ø 3 mm | 1 | 49 LD330 30 |
| 220 | X=175 - Y=50 | Ø 3 mm | 2,2 | 49 LD330 70 |
| 220 | X=175 - Y=50 | Ø 3 mm | 3 | 49 LD331 20 |
| 140 | X=1110 - Y=60 | Ø 3 mm | 3,5 | 49 LD331 60 |
| 220 | X=1110 - Y=60 | Ø 3 mm | 3,5 | 49 LD311 20 |
| 320 | X=1110 - Y=60 | Ø 3 mm | 3,5 | 49 LD311 30 |
| 220 | X=200 - Y=70 | Ø 3 mm | 4 | 49 LD332 20 |

Diamond files kit

1 piece

| Composition | Stem | Ref. |
|-------------|--------|-------------|
| 12 pieces | Ø 3 mm | 44 LD500 00 |

| Kit composition | Detail | Grain µm | Qty. |
|-----------------|--------|----------|------|
| | T | 200 | 1 |
| | 15 | 400 | 1 |
| | L | 72 | 600 |
| | T | 200 | 1 |
| | 15 | 400 | 1 |
| | L | 72 | 600 |
| | T | 200 | 1 |
| | 15 | 400 | 1 |
| | L | 56 | 600 |
| | T | 200 | 1 |
| | 15 | 400 | 1 |
| | L | 56 | 600 |

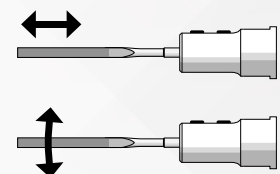


Diamond files for micromotors

DEPOSITED DIAMOND FILES

1 piece

| Pre-polishing and fine deburring | | | | |
|----------------------------------|--------|----------|-------------|--|
| Type | Stem | Grain µm | Ref. | |
| | Ø 3 mm | 140 | 40 LI001 00 | |
| | Ø 3 mm | 140 | 40 LI002 00 | |
| | Ø 3 mm | 140 | 40 LI003 00 | |





Diamond files

1 piece

| Grain 150 / Shaft Ø 3 mm | | | | |
|--------------------------|------|------------------|-------------|-------------|
| Type | Form | Dim. (mm) | Lenght (mm) | Ref. |
| | | 6 x 1,5 x 30 | 110 | 49 LD422 00 |
| | | 5 x 2 x 30 | 110 | 49 LD423 00 |
| | | Ø 3 x 30 | 110 | 49 LD424 00 |
| | | 2,5 x 2,5 x 30 | 110 | 49 LD425 00 |
| | | 3,5 x 30 | 110 | 49 LD426 00 |
| | | 6 x 1 x 20 | 120 | 49 LD427 00 |
| | | 2 x 2 x 20 | 120 | 49 LD428 00 |
| | | 3 x 1,5 x 20 | 120 | 49 LD429 00 |
| | | 3 x 20 | 120 | 49 LD430 00 |
| | | 5 x 2 x 20 | 120 | 49 LD431 00 |
| | | 4 x 1,5 x 20 | 120 | 49 LD432 00 |
| | | 4 x 2,5 x 20 | 120 | 49 LD433 00 |
| | | Ø 2 x 20 | 120 | 49 LD434 00 |
| | | 5 x 5 x 1,5 x 20 | 120 | 49 LD435 00 |
| | | Ø 2,5 x 20 | 120 | 49 LD436 00 |
| Grain 200 / Shaft Ø 3 mm | | | | |
| | | 5,8 x 1,2 x 20 | 40 | 49 LD437 00 |
| | | 3,2 x 1,4 x 20 | 40 | 49 LD438 00 |
| | | 5 x 2 x 22 | 40 | 49 LD439 00 |
| | | 3,2 x 1,4 x 24 | 40 | 49 LD440 00 |
| | | Ø 3 x 20 | 40 | 49 LD441 00 |
| | | Ø 3 x 30 | 40 | 49 LD442 00 |
| | | 2,5 x 25 | 40 | 49 LD443 00 |
| | | 3,2 x 1,4 x 25 | 40 | 49 LD444 00 |
| | | 3,2 x 1,4 x 25 | 40 | 49 LD445 00 |
| | | 4 x 2 x 20 | 40 | 49 LD446 00 |
| | | 4 x 1,2 x 28 | 55 | 49 LD447 00 |
| | | 5 x 2 x 28 | 55 | 49 LD448 00 |
| | | Ø 3 x 34 | 55 | 49 LD449 00 |
| | | 2,5 x 2,5 x 34 | 55 | 49 LD450 00 |

Rubberised abrasive grinders

Prepolishing. Rubberised abrasive grinders easily adapt to the of the surface being worked and are used to polish complex shapes (for example: angles, thread, depths). They are also used for fine deburring.



RED
Grain 120

BROWN
Grain 220

GREEN
Grain 280

10 pieces

| Shaft: Ø 3 mm - Length: 30 mm | | | | |
|-------------------------------|-----------|-------------|-------------|-------------|
| Type | mm | Ref. | Ref. | Ref. |
| | Ø 4 L 8 | 40 MC011 20 | 40 MC012 20 | 40 MC012 80 |
| | Ø 6 L 10 | 40 MC021 20 | 40 MC022 20 | 40 MC022 80 |
| | Ø 10 L 10 | 40 MC031 20 | 40 MC032 20 | 40 MC032 80 |
| | Ø 12 L 16 | 40 MC041 20 | 40 MC042 20 | 40 MC042 80 |
| Shaft: Ø 6 mm - Length: 40 mm | | | | |
| | Ø 8 L 15 | 40 MC051 20 | 40 MC052 20 | 40 MC052 80 |
| | Ø 12 L 20 | 40 MC061 20 | 40 MC062 20 | 40 MC062 80 |
| | Ø 15 L 30 | 40 MC071 20 | 40 MC072 20 | 40 MC072 80 |
| | Ø 20 L 20 | 40 MC081 20 | 40 MC082 20 | 40 MC082 80 |



Felt polishing rings

10 pieces

| Thickness: 4,5 mm | |
|-------------------|-------------|
| Dimension | Réf. |
| Ø 18 | 40 FR180 10 |
| Ø 30 | 40 FR300 10 |
| Ø 45 | 40 FR450 10 |



Felt polishing discs

SELF-ADHESIVE - SERIES 99014

10 pieces

| Thickness: 5 mm | | | | | |
|-----------------|----------|-------------|-------|-------|-------------|
| Ø | Type | Ref. | Ø | Type | Ref. |
| 12 mm | med-hard | 99 01423 10 | 33 mm | hard | 99 01424 40 |
| | hard | 99 01424 10 | | 50 mm | med-hard |
| 20 mm | med-hard | 99 01423 20 | 65 mm | | hard |
| | hard | 99 01424 20 | | 78 mm | med-hard |
| 25 mm | med-hard | 99 01423 30 | 78 mm | | hard |
| | hard | 99 01424 30 | | 78 mm | med-hard |
| 33 mm | med-hard | 99 01423 40 | 78 mm | | hard |

NON-ADHESIVE - SERIES 99114

| Thickness: 5 mm | | | | | |
|-----------------|----------|-------------|-------|-------|-------------|
| Ø | Type | Ref. | Ø | Type | Ref. |
| 12 mm | med-hard | 99 11423 10 | 33 mm | hard | 99 11424 40 |
| | hard | 99 11424 10 | | 50 mm | med-hard |
| 20 mm | med-hard | 99 11423 20 | 65 mm | | hard |
| | hard | 99 11424 20 | | 78 mm | med-hard |
| 25 mm | med-hard | 99 11423 30 | 78 mm | | hard |
| | hard | 99 11424 30 | | 78 mm | med-hard |
| 33 mm | med-hard | 99 11423 40 | 78 mm | | hard |



Felt polishing pads

SQUARE 150 mm

3 pieces

| Self-adhesive | | | Non-adhesive | | |
|---------------|-----------|-------------|--------------|-----------|-------------|
| Type | Thickness | Ref. | Type | Thickness | Ref. |
| med-hard | 1 mm | 99 15434 60 | med-hard | 1 mm | 99 15434 10 |
| med-hard | 5 mm | 99 15423 60 | med-hard | 5 mm | 99 15423 10 |
| hard | 5 mm | 99 15424 60 | hard | 5 mm | 99 15424 10 |

SQUARE 200 mm

| Self-adhesive | | | Non-adhesive | | |
|---------------|-----------|-------------|--------------|-----------|-------------|
| Type | Thickness | Ref. | Type | Thickness | Ref. |
| med-hard | 1 mm | 99 20434 60 | med-hard | 1 mm | 99 20434 10 |
| med-hard | 5 mm | 99 20423 60 | med-hard | 5 mm | 99 20423 10 |
| hard | 5 mm | 99 20424 60 | hard | 5 mm | 99 20424 10 |

Cylindrical abrasive finishing grinders

14 pieces

Shaft: \varnothing 3 mm - Length: 30 mm - \varnothing 13 L 14 mm

| Color | Grain | Ref. |
|--------|-------|-------------|
| Yellow | 240 | 40 MF024 00 |
| Green | 320 | 40 MF032 00 |
| Orange | 400 | 40 MF040 00 |
| Pink | 600 | 40 MF060 00 |
| Ochre | 800 | 40 MF080 00 |
| Brown | 1000 | 40 MF100 00 |
| Blue | 1500 | 40 MF150 00 |



Spherical abrasive finishing grinders

10 pieces

Shaft: \varnothing 3 mm - Length: 40 mm - \varnothing 30 L 17 mm

| Color | Grain | Ref. |
|-------|--------------|-------------|
| Brown | Extra Coarse | 40 MF302 00 |
| Brown | Coarse | 40 MF303 00 |
| Brown | Medium | 40 MF305 00 |
| Brown | Fine | 40 MF307 00 |
| Green | No grain | 40 MF300 00 |



Wooden lapping rods hard/soft

SERIES 9908

10 pieces

| mm | Hard | | Soft | |
|-------------------------|-------------|--|-------------|--|
| | Ref. | | Ref. | |
| 3 x 3 x 150 | 99 08510 00 | | 99 08610 00 | |
| 4,5 x 4,5 x 150 | 99 08511 00 | | 99 08611 00 | |
| 6,5 x 6,5 x 150 | 99 08512 00 | | 99 08612 00 | |
| 3 x 7 x 150 | 99 08513 00 | | 99 08613 00 | |
| 8 x 12,5 x 150 | 99 08514 00 | | 99 08614 00 | |
| 8 x 19 x 150 | 99 08515 00 | | 99 08615 00 | |
| \varnothing 3 x 150 | 99 08530 00 | | 99 08630 00 | |
| \varnothing 4,5 x 150 | 99 08531 00 | | 99 08631 00 | |
| \varnothing 6,5 x 150 | 99 08532 00 | | 99 08632 00 | |



Rectangular rubber rods

1 piece

| Grain | Dim. (mm) | Ref. |
|-------|----------------|-------------|
| 40 | 25 x 9,5 x 150 | 98 61041 00 |
| 90 | 25 x 9,5 x 150 | 98 61091 00 |
| 120 | 25 x 9,5 x 150 | 98 61121 00 |
| 240 | 25 x 9,5 x 150 | 98 61241 00 |





Ceramic stones

1 piece

| Dim. (mm) | Grain | Color | Standard | High resistance |
|---------------|-------|-------------|-------------|-----------------|
| | | | Ref. | Ref. |
| 0,5 x 4 x 100 | 220 | Dark brown | 40 US361 00 | |
| | 300 | Light brown | 40 US362 00 | |
| | 400 | Orange | 40 US363 00 | |
| | 600 | Black | 40 US364 00 | |
| | 800 | Blue | 40 US365 00 | |
| | 1000 | White | 40 US366 00 | |
| | 1200 | Red | 40 US367 00 | |
| 1 x 4 x 100 | 220 | Dark brown | 40 US311 00 | 40 US411 00 |
| | 300 | Light brown | 40 US312 00 | |
| | 400 | Orange | 40 US313 00 | |
| | 600 | Black | 40 US314 00 | |
| | 800 | Blue | 40 US315 00 | 40 US415 00 |
| | 1000 | White | 40 US316 00 | |
| | 1200 | Red | 40 US317 00 | 40 US417 00 |
| 1 x 6 x 100 | 220 | Dark brown | 40 US321 00 | 40 US421 00 |
| | 300 | Light brown | 40 US322 00 | |
| | 400 | Orange | 40 US323 00 | |
| | 600 | Black | 40 US324 00 | |
| | 800 | Blue | 40 US325 00 | 40 US425 00 |
| | 1000 | White | 40 US326 00 | |
| | 1200 | Red | 40 US327 00 | 40 US427 00 |
| 1 x 10 x 100 | 220 | Dark brown | 40 US331 00 | 40 US431 00 |
| | 300 | Light brown | 40 US332 00 | |
| | 400 | Orange | 40 US333 00 | |
| | 600 | Black | 40 US334 00 | |
| | 800 | Blue | 40 US335 00 | 40 US435 00 |
| | 1 000 | White | 40 US336 00 | |
| | 1 200 | Red | 40 US337 00 | 40 US437 00 |
| Ø 3 x 50 | 220 | Grey | 40 US341 00 | |
| | 300 | Light brown | 40 US342 00 | |
| | 400 | Orange | 40 US343 00 | |
| | 600 | Black | 40 US344 00 | |
| | 800 | Blue | 40 US345 00 | |
| | 1000 | White | 40 US346 00 | |
| | 1200 | Red | 40 US347 00 | |
| Ø 3 x 100 | 220 | Grey | 40 US351 00 | |
| | 300 | Light brown | 40 US352 00 | |
| | 400 | Orange | 40 US353 00 | |
| | 600 | Black | 40 US354 00 | |
| | 800 | Blue | 40 US355 00 | |
| | 1000 | White | 40 US356 00 | |
| | 1200 | Red | 40 US357 00 | |

TOOLS

Ceramic brushes

Enable careful removal of errors without damage to reaming.

1 piece

| Shaft: Ø 3 mm | | |
|------------------|------------------|-------------|
| Type | Dim. (mm) | Ref. |
| Cross-Hole | Ø 3,5 x 50 x 120 | 40 BR030 00 |
| Cross-Hole | Ø 5 x 50 x 120 | 40 BR057 00 |
| White grain 1000 | Ø 5 x 20 | 40 BR055 00 |
| Red grain 1000 | Ø 5 x 20 | 40 BR056 00 |

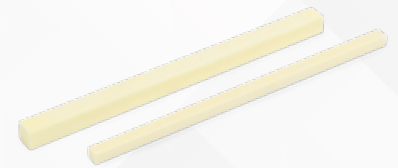


Sulphur stones

SERIES 570

12 pieces

| Dim. (mm) | Grain | Ref. |
|---------------|-------|-------------|
| 6 x 6 x 150 | 120 | 98 57121 00 |
| | 150 | 98 57151 00 |
| | 180 | 98 57181 00 |
| | 220 | 98 57221 00 |
| | 320 | 98 57321 00 |
| | 400 | 98 57401 00 |
| 10 x 10 x 150 | 600 | 98 57601 00 |
| | 120 | 98 57122 00 |
| | 150 | 98 57152 00 |
| | 180 | 98 57182 00 |
| | 220 | 98 57222 00 |
| | 320 | 98 57322 00 |
| 13 x 13 x 150 | 400 | 98 57402 00 |
| | 600 | 98 57602 00 |
| | 180 | 98 57183 00 |
| | 220 | 98 57223 00 |
| | 320 | 98 57323 00 |
| | 400 | 98 57403 00 |

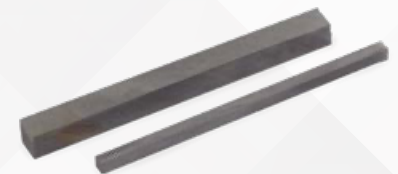


Graphite stones

SERIES 560

5 pieces

| Dim. (mm) | Grain | Ref. |
|---------------|-------|-------------|
| 6 x 6 x 150 | 600 | 98 56601 00 |
| | 800 | 98 56801 00 |
| | 1 000 | 98 56001 00 |
| 10 x 10 x 150 | 600 | 98 56602 00 |
| | 800 | 98 56802 00 |
| | 1 000 | 98 56002 00 |
| 13 x 13 x 150 | 600 | 98 56603 00 |
| | 800 | 98 56803 00 |
| | 1 000 | 98 56003 00 |



Abrasive stones

SERIES 510 - SIC

Abrasive stones with silicon carbide based soft bonding material, for finishing treated steel tools.



12 pieces

| Dim. (mm) | Grain | Ref. |
|---------------|-------|-------------|
| 6 x 6 x 150 | 240 | 98 51241 00 |
| | 320 | 98 51321 00 |
| | 400 | 98 51401 00 |
| | 600 | 98 51601 00 |
| 3 x 13 x 150 | 240 | 98 51243 00 |
| | 320 | 98 51323 00 |
| | 400 | 98 51403 00 |
| 6 x 13 x 150 | 600 | 98 51603 00 |
| | 240 | 98 51242 00 |
| | 320 | 98 51322 00 |
| 13 x 13 x 150 | 400 | 98 51402 00 |
| | 600 | 98 51602 00 |
| | 240 | 98 51244 00 |
| | 320 | 98 51324 00 |
| | 400 | 98 51404 00 |
| | 600 | 98 51604 00 |

SERIES 520 - AL₂O₃

Resin and aluminium oxide based abrasive stones, recommended for machining and finishing regular and irregular shaped tools following electro-erosion.



12 pieces

| Dim. (mm) | Grain | Ref. |
|---------------|-------|-------------|
| 3 x 6 x 150 | 120 | 98 52121 00 |
| | 180 | 98 52181 00 |
| | 320 | 98 52321 00 |
| | 400 | 98 52401 00 |
| | 600 | 98 52601 00 |
| 3 x 13 x 150 | 120 | 98 52125 00 |
| | 180 | 98 52185 00 |
| | 320 | 98 52325 00 |
| | 400 | 98 52405 00 |
| | 600 | 98 52605 00 |
| | 120 | 98 52122 00 |
| | 180 | 98 52182 00 |
| 6 x 6 x 150 | 320 | 98 52322 00 |
| | 400 | 98 52402 00 |
| | 600 | 98 52602 00 |
| | 120 | 98 52123 00 |
| 6 x 13 x 150 | 180 | 98 52183 00 |
| | 320 | 98 52323 00 |
| | 400 | 98 52403 00 |
| | 600 | 98 52603 00 |
| | 120 | 98 52124 00 |
| 10 x 10 x 150 | 180 | 98 52184 00 |
| | 320 | 98 52324 00 |
| | 400 | 98 52404 00 |
| | 600 | 98 52604 00 |

TOOLS

Abrasive stones

SERIES 530 - AL₂O₃

Resin and aluminium oxide based abrasive stones, recommended for soft and medium-hard materials.

12 pieces

| Dim. (mm) | Grain | Ref. |
|---------------|-------|-------------|
| 6 x 6 x 150 | 220 | 98 53221 00 |
| | 320 | 98 53321 00 |
| | 400 | 98 53401 00 |
| | 600 | 98 53601 00 |
| 10 x 10 x 150 | 220 | 98 53222 00 |
| | 320 | 98 53322 00 |
| | 400 | 98 53402 00 |
| | 600 | 98 53602 00 |
| 3 x 13 x 150 | 220 | 98 53223 00 |
| | 320 | 98 53323 00 |
| | 400 | 98 53403 00 |
| 6 x 13 x 150 | 220 | 98 53224 00 |
| | 320 | 98 53324 00 |
| | 400 | 98 53404 00 |
| 4 x 4 x 100 | 220 | 98 53225 00 |
| | 320 | 98 53325 00 |
| | 400 | 98 53405 00 |
| | 600 | 98 53605 00 |



DEGUSSIT® stones

1 piece

| Dim. (mm) | Shape | Grain | Ref. |
|---|-------|--------|-------------|
| 100 x 10 | △ | Medium | 98 D1015 00 |
| 100 x 10 | □ | Medium | 98 D1025 00 |
| 100 x 8 x 6 | ▭ | Fine | 98 D1032 00 |
| 100 x 10 | ◐ | Big | 98 D1047 00 |
| 100 x 6 | ○ | Medium | 98 D1055 00 |
| Kit 5 pieces (1 piece of each ref. above) | | | 98 D1000 00 |



Honing oil

1 piece

| Qty. | Ref. |
|---------|-------------|
| 500 cc. | 98 70000 00 |



Stone-holders

1 piece

| Dim. (mm) | Qty. | Ref. |
|--|----------|-------------|
| 1 x 4 | 1 | 40 U5099 00 |
| 1 x 6 | 1 | 40 U5098 00 |
| 1 x 10 | 1 | 40 U5097 00 |
| ∅ 3 mm | 1 | 40 U5096 00 |
| Lot of 3 pieces (1 x 4, 1 x 6, 1 x 10) | 3 pieces | 40 U5090 00 |



Abrasive stone kit n° 1

SERIES 510

| Composition | Ref. |
|-------------|-------------|
| 14 pieces | 98 11000 00 |

KIT COMPONENTS

| Dim. (mm) | Type | Grain | Qty. | Ref. |
|--------------|------|-------|------|-------------|
| 6 x 6 x 150 | 510 | 240 | 2 | 98 51241 00 |
| | 510 | 320 | 2 | 98 51321 00 |
| | 510 | 400 | 2 | 98 51401 00 |
| | 510 | 240 | 2 | 98 51242 00 |
| 6 x 13 x 150 | 510 | 320 | 2 | 98 51322 00 |
| | 510 | 400 | 2 | 98 51402 00 |
| | 510 | 600 | 1 | 98 51602 00 |
| | 540 | 800 | 1 | 98 54803 00 |

Abrasive stone kit n° 2

SERIES 530

| Composition | Ref. |
|-------------|-------------|
| 14 pieces | 98 21000 00 |

KIT COMPONENTS

| Dim. (mm) | Type | Grain | Qty. | Ref. |
|--------------|------|-------|------|-------------|
| 6 x 6 x 150 | 530 | 220 | 2 | 98 53221 00 |
| | 530 | 320 | 2 | 98 53321 00 |
| | 530 | 400 | 2 | 98 53401 00 |
| 6 x 13 x 150 | 530 | 220 | 2 | 98 53224 00 |
| | 530 | 320 | 2 | 98 53324 00 |
| | 530 | 400 | 2 | 98 53404 00 |
| | 530 | 600 | 2 | 98 53604 00 |

Abrasive stone kit n° 4

SERIES 520-550

| Composition | Ref. |
|-------------|-------------|
| 12 pieces | 98 41000 00 |

KIT COMPONENTS

| Dim. (mm) | Type | Grain | Qty. | Ref. |
|-------------|------|-------|------|-------------|
| 6 x 6 x 150 | 550 | 90 | 1 | 98 55091 00 |
| | 520 | 120 | 1 | 98 52122 00 |
| | 520 | 180 | 1 | 98 52182 00 |
| | 550 | 220 | 1 | 98 55221 00 |
| | 520 | 320 | 1 | 98 55321 00 |
| | 550 | 600 | 1 | 98 55601 00 |
| 3 x 6 x 150 | 550 | 90 | 1 | 98 55093 00 |
| | 520 | 120 | 1 | 98 52121 00 |
| | 520 | 180 | 1 | 98 52181 00 |
| | 550 | 220 | 1 | 98 55223 00 |
| | 520 | 320 | 1 | 98 52321 00 |
| | 550 | 600 | 1 | 98 55603 00 |

CONSUMABLES

Diamond abrasives, paste, liquid and gel abrasive preparations.
Lubricating fluids for oil or water base.

DIAMOND ABRASIVES

DIAMOND ABRASIVES

Bio DIAMANT® Pulmatic liquids

Used to obtain good distribution of diamond abrasive when polishing large surfaces.
Rechargeable pack, non-aerosol.

SERIES 310 - 75 g

1 piece

| Alcohol based monocrystalline | | | |
|-------------------------------|-----|-------------|--|
| Type | µm | Ref. | |
| 025 313 | 1/4 | 03 97313 00 | |
| 1 313 | 1 | 03 01313 00 | |
| 2 313 | 2 | 03 02313 00 | |
| 3 313 | 3 | 03 03313 00 | |
| 6 313 | 6 | 03 06313 00 | |
| 8 313 | 8 | 03 08313 00 | |
| 10 313 | 10 | 03 10313 00 | |
| 14 313 | 14 | 03 14313 00 | |
| 25 313 | 25 | 03 25313 00 | |
| 40 313 | 40 | 03 40313 00 | |



SERIES 320 P - 75 g

1 piece

| Alcohol based polycrystalline | | |
|-------------------------------|-----|-------------|
| Type | µm | Ref. |
| 025 323P | 1/4 | 03 97323 00 |
| 1 323P | 1 | 03 01323 00 |
| 2 323P | 2 | 03 02323 00 |
| 3 323P | 3 | 03 03323 00 |
| 6 323P | 6 | 03 06323 00 |
| 8 323P | 8 | 03 08323 00 |
| 10 323P | 10 | 03 10323 00 |
| 14 323P | 14 | 03 14323 00 |
| 25 323P | 25 | 03 25323 00 |



5% discount from 3 products of the same reference

Bio DIAMANT® Gels

The Bio DIAMANT® formula ensures even distribution of abrasive film, as well as excellent adhesion to the item being polished.

Ready to use, this gel is ideal for maintenance polishing and produces an excellent shine. Very fast diamond action.



SERIES M.M.530/540 - 20 g

1 piece

| Type | µm | Ref. |
|---|------|-------------|
| ■ M.M.540 | 1/10 | 02 MM548 10 |
| ■ M.M.540 | 1/4 | 02 MM547 10 |
| ■ M.M.540 | 3/4 | 02 MM546 10 |
| ■ M.M.540 | 1 | 02 MM545 10 |
| ■ M.M.540 | 2 | 02 MM544 10 |
| ■ M.M.540 | 3 | 02 MM543 10 |
| ■ M.M.540 | 6 | 02 MM542 10 |
| ■ M.M.540 | 9 | 02 MM541 10 |
| ■ M.M.530 | 10 | 02 MM533 10 |
| ■ M.M.530 | 15 | 02 MM532 10 |
| ■ M.M.530 | 30 | 02 MM531 10 |
| ■ M.M.530 | 45 | 02 MM530 10 |

SERIES M.M.30/40 - 100 g

1 piece

| Suitable for polishing large areas | | |
|--|-----|-------------|
| Type | µm | Ref. |
| ■ M.M.40 | 3/4 | 02 MM046 00 |
| ■ M.M.40 | 1 | 02 MM045 00 |
| ■ M.M.40 | 2 | 02 MM044 00 |
| ■ M.M.40 | 3 | 02 MM043 00 |
| ■ M.M.40 | 6 | 02 MM042 00 |
| ■ M.M.40 | 9 | 02 MM041 00 |
| ■ M.M.30 | 10 | 02 MM033 00 |
| ■ M.M.30 | 15 | 02 MM032 00 |
| ■ M.M.30 | 30 | 02 MM031 00 |
| ■ M.M.30 | 45 | 02 MM030 00 |

5% discount from 3 products of the same reference

DIAMOND ABRASIVES

Bio DIAMANT® Pastes

Bio DIAMANT® products present no risk of toxicity or noxiousness to the user's health.

During the development of Bio DIAMANT® products, chemical components are selected exclusively from substances classed as non-dangerous complying with REACH regulations (relating to the packaging and labelling of dangerous substances and preparations causing skin irritation).

Environmental compliance

Our Bio DIAMANT® products are biodegradable.
Safety data is available for all products complying with REACH regulations

Identification

You can identify the series and therefore the solubility, Grit texture and concentration of each Bio DIAMANT® paste according to the type (e.g. 6 103).

Series 100 water soluble.

Series 210 oil soluble.

Example of type identification

| Paste type | Grit texture | Series | Concentration |
|------------|--------------|--------|---------------|
| 6 103 | 6 microns | 100 | 3 |



BIO DIAMANT® pastes SERIES 210 - 10 g

Very high performance diamond paste for polishing hard and extra hard materials.

Available in a wide range of grain sizes from 1 to 90 µm. Does not contain water, protects polished surfaces from corrosion. Cleaning is done with water + 742 detergent or with a solvent such as Stanol.

1 piece

High yielding abrasives for polishing hard and extra-hard materials.
Fluidity enables use without lubricating fluid.

| Type | µm | Ref. |
|--------|----|-------------|
| 1 213 | 1 | 01 01213 00 |
| 3 213 | 3 | 01 03213 00 |
| 6 213 | 6 | 01 06213 00 |
| 8 213 | 8 | 01 08213 00 |
| 14 213 | 14 | 01 14213 00 |
| 25 213 | 25 | 01 25213 00 |
| 40 213 | 40 | 01 40213 00 |
| 60 213 | 60 | 01 60213 00 |
| 90 213 | 90 | 01 90213 00 |

5% discount from 3 products of the same reference



High performance
Oil soluble

BIO DIAMANT® pastes SERIES 100 - 10 g

Diamond paste for finish polishing of all materials.

Suitable for polishing stages up to optical polishing on soft substrates.

BIO DIAMANT® SERIES 100 paste is available in a wide range of grit sizes down to very small ones and requires the use of M.M.712 - WS water based fluid. Cleaning is done with water + lye 742 or alcohol.



Extreme polish
Water soluble
Available in different concentrations

All stages up to optical polishing possible.

| Type | µm | Ref. |
|---------|------|-------------|
| 010 103 | 1/10 | 01 99103 00 |
| 025 102 | 1/4 | 01 97102 00 |
| 025 103 | 1/4 | 01 97103 00 |
| 1 103 | 1 | 01 01103 00 |
| 1 105 | 1 | 01 01105 00 |
| 2 103 | 2 | 01 02103 00 |
| 2 105 | 2 | 01 02105 00 |
| 3 102 | 3 | 01 03102 00 |
| 3 103 | 3 | 01 03103 00 |
| 3 105 | 3 | 01 03105 00 |
| 6 101 | 6 | 01 06101 00 |
| 6 102 | 6 | 01 06102 00 |
| 6 103 | 6 | 01 06103 00 |
| 6 105 | 6 | 01 06105 00 |
| 8 102 | 8 | 01 08102 00 |
| 8 103 | 8 | 01 08103 00 |
| 8 105 | 8 | 01 08105 00 |
| 14 101 | 14 | 01 14101 00 |
| 14 102 | 14 | 01 14102 00 |
| 14 103 | 14 | 01 14103 00 |
| 14 105 | 14 | 01 14105 00 |

5% discount from 3 products of the same reference

BIO DIAMANT® pastes 205S - 20 g

High performance diamond paste for mould polishing.

Excellent adhesion to material surfaces, very good temperature resistance, can be used on hot surfaces up to 170°C.

Due to its lubricating properties, no lubricant is required. Does not contain water, protects polished surfaces from corrosion. Cleaning is done with water + 742 detergent or with a solvent such as Stanol.



Can be used on hot surfaces up to 170°C

1 piece

Can be used at high temperature

| Type | µm | Ref. |
|---------|----|--------------|
| 1.205S | 1 | 01 01205S 00 |
| 3.205S | 3 | 01 03205S 00 |
| 6.205S | 6 | 01 06205S 00 |
| 8.205S | 8 | 01 08205S 00 |
| 14.205S | 14 | 01 14205S 00 |

5% discount from 3 products of the same reference

DIAMOND ABRASIVES

BIO DIAMANT® pastes POLILAM MS - 10 g**Universal diamond paste for lapping and polishing of metal parts.**

Bio DIAMANT® POLILAM MS abrasive paste is made from high purity, narrow-gauge single crystal diamond. The concentration of abrasive is of the standard type, and the thick, creamy consistency of the abrasive ensures good bonding to the work surface.

Its fatty bond allows it to be used pure or with M.M.705 - OS oil-based fluid. contains no water, protects polished surfaces from corrosion.

Cleaning is done with water + 742 detergent or with a solvent such as Stanol.



**Economical
and versatile**

1 piece

| Universal bonding paste. | | |
|--------------------------|----|-------------|
| Type | µm | Ref. |
| 1 MS | 1 | 01 010MS 00 |
| 3 MS | 3 | 01 030MS 00 |
| 6 MS | 6 | 01 060MS 00 |
| 8 MS | 8 | 01 080MS 00 |
| 14 MS | 14 | 01 140MS 00 |
| 25 MS | 25 | 01 250MS 00 |
| 45 MS | 45 | 01 450MS 00 |
| 60 MS | 60 | 01 600MS 00 |
| 90 MS | 90 | 01 900MS 00 |

5% discount from 3 products of the same reference

BIO DIAMANT® pastes DIATOOL® BX**Diamond paste for roughing, polishing on hard steels and cermet.**

Used for high pressure applications, prevents seizing, requires the use of M.M.705 - OS oil-based fluid, contains no water, protects polished surfaces from corrosion. Cleaning is done with water + detergent 742 or with a solvent like Stanol.



**High pressure
Available in 10
and 20 g**

1 piece

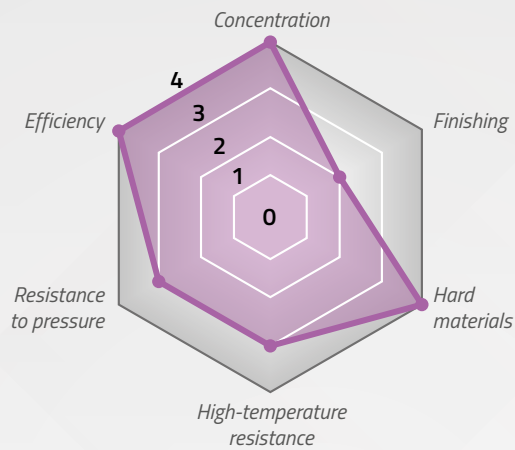
| Type | µm | 10 g | | 20 g | |
|---------------|----|-------------|-------------|------|------|
| | | Ref. | Ref. | Ref. | Ref. |
| DIATOOL® BX1 | 1 | 01 01DBX 00 | 01 01DBX 20 | | |
| DIATOOL® BX3 | 3 | 01 03DBX 00 | 01 03DBX 20 | | |
| DIATOOL® BX6 | 6 | 01 06DBX 00 | 01 06DBX 20 | | |
| DIATOOL® BX8 | 8 | 01 08DBX 00 | 01 08DBX 20 | | |
| DIATOOL® BX14 | 14 | 01 14DBX 00 | 01 14DBX 20 | | |
| DIATOOL® BX25 | 25 | 01 25DBX 00 | 01 25DBX 20 | | |
| DIATOOL® BX40 | 40 | 01 40DBX 00 | 01 40DBX 20 | | |
| DIATOOL® BX60 | 60 | 01 60DBX 00 | 01 60DBX 20 | | |

5% discount from 3 products of the same reference

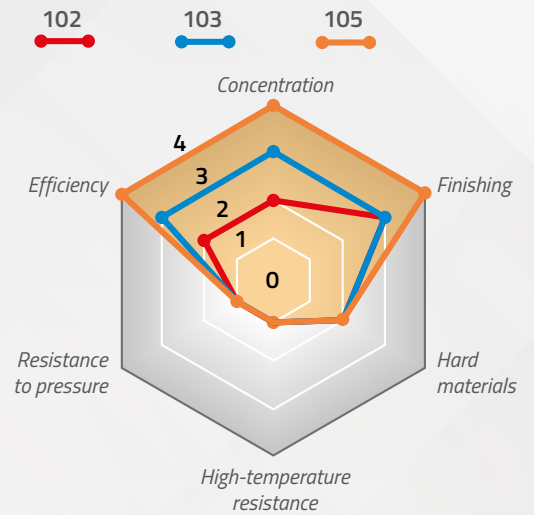
Selection of a BIO DIAMANT® abrasive paste

Depending on your criteria, the diagrams below will help you to choose the most suitable diamond paste.

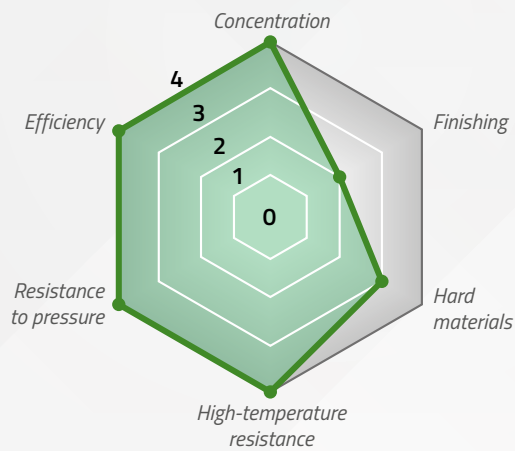
BIO DIAMANT® PASTES SERIE 210



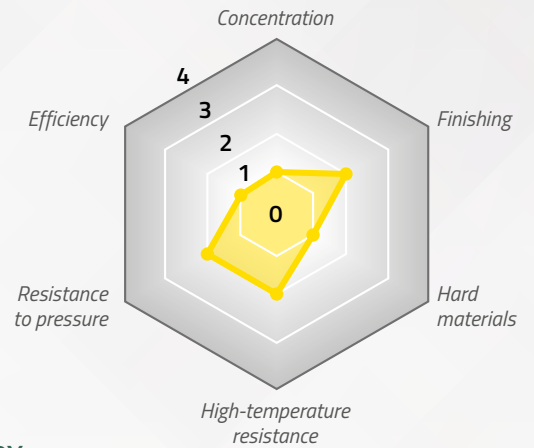
BIO DIAMANT® PASTES SERIE 100



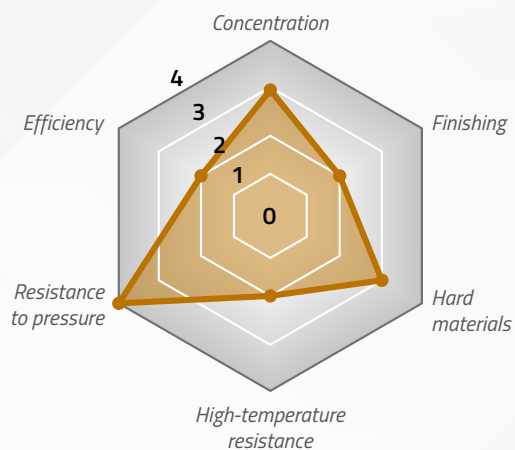
BIO DIAMANT® PASTES 205S



BIO DIAMANT® PASTES POLILAM MS



BIO DIAMANT® PASTES DIATool® BX



LUBRICATING FLUIDS

Lubricating fluids M.M.

SERIES M.M.705 - OS (Oil Soluble)

Lubricating fluid for use with series 210, MS and Diatool® diamond pastes. Ready to use it ensures excellent paste dispersion and optimises cutting power. Easily cleanable with 742 detergent or Stanol.

1 piece

| Type | Packaging | Ref. |
|---------|-----------------|-------------|
| M.M.705 | 1 litre | 07 MM705 30 |
| M.M.705 | Pulmatic 350 cc | 07 MM705 50 |

SERIES M.M.712 - WS (Water Soluble)

Aqueous lubricating fluid for polishing applications. This fluid is recommended for use with Bio DIAMANT® 100 series pastes. Ready to use, its specific formula limits the heating of the supports and facilitates the cleaning of the parts after each cycle of work. Easily cleanable with 742 detergent.

1 piece

| Type | Packaging | Ref. |
|---------|-----------------|-------------|
| M.M.712 | 1 litre | 07 MM712 30 |
| M.M.712 | Pulmatic 350 cc | 07 MM712 50 |



GENERAL TERMS AND CONDITIONS OF SALE

1. Application of General Terms & Conditions of Sale

All orders placed with Lam Plan imply acceptance by the client, without any reservation, of all the General Terms and Conditions of Sale as set forth here below.

Client orders shall be registered by Lam Plan only in accordance with these General Terms and Conditions of Sale, regardless of contrary provisions, if any, that may be contained in the purchase order or in the general terms and conditions of purchase of the client, unless they have been expressly accepted in writing by Lam Plan.

The waiver by Lam Plan of one or more provisions of these General Terms and Conditions of Sale does not imply the waiver of any other provisions thereof which shall remain effective and binding upon the client.

The present General Terms and Conditions of Sale may be amended at any time without prior notice by Lam Plan, with the amendments thereafter being applicable to all subsequent orders.

The Client acknowledges being fully aware that their agreement with respect to the contents of these General Terms and Conditions of Sale does not require their signing of this document.

2. Orders

The sale shall be deemed to have been completed only upon acceptance of the order from the client by Lam Plan.

The products shall be supplied and invoiced at the relevant price rates in effect at the time of placing of the order or, where applicable, in accordance with the specific commercial proposal addressed to the client and accepted by them.

Any eventual amendments to the order subsequently made by the client shall be taken into account, only within the limits of the possible options available and at the sole discretion of Lam Plan, and provided that they have been notified in writing to Lam Plan at least fifteen days prior to the date scheduled for delivery, accompanied with the issuance of a new specific purchase order duly signed by the client, including, where appropriate, a price adjustment.

3. Prices

The prices indicated in the Lam Plan catalogues are provided for illustrative purposes only and are not binding upon Lam Plan.

Appropriate invoices shall be issued in accordance with the price rates in force on the date of the order.

Unless otherwise specified in writing, all rates and prices are expressed in Euro and quoted net, ex works, exclusive of taxes and packaging.

As a consequence, the client shall bear all costs related to VAT at the applicable rate, transportation costs, fees and duties as well as any expenses associated with insurance.

Special pricing terms and conditions may be applicable depending upon the specifications requested by the client, particularly concerning the specific modalities, terms and timelines of delivery, timing and terms and conditions of payment.

In this event a special commercial offer shall be prepared and sent to the client by Lam Plan.

4. Payment

The quoted price shall be payable in full in one single payment within a period of thirty days from the date of issue of the invoice, end of the month.

In case of late payment, Lam Plan may suspend any pending orders without prejudice to the application of late payment penalty fees that will be due as of the day following the settlement date as indicated on the invoice, applicable on the full amount/s due, calculated at three times the interest rate in effect on the date of implementation of this provision and applied by the European Central Bank.

Moreover, and in accordance with Article L 441-6 of the Code de Commerce (French Commercial Code), in addition to late payment penalties, the client shall be required to pay a lump sum amount of 40 Euros for recovery costs, with Lam Plan however, reserving the right to seek additional compensation on upon presentation of supporting documentation, corresponding to the recovery costs incurred, in excess of the lump sum amount.

5. Retention of Ownership Title

Lam Plan retains the right to reserve ownership title of the goods delivered to the client until payment has been made in full, inclusive of principal, interest and ancillary costs.

However, the risks relating to the goods shall be transferred to the client immediately upon delivery and, for the entire period of time corresponding to the Retention of Ownership Title by Lam Plan.

Client shall agree, therefore, to take out appropriate insurance policies to provide adequate coverage against the risk of loss, theft or destruction of the goods prior to full payment being made.

Without prejudice to any subsequent action or claim for compensation for damages, Lam Plan may terminate the sale, with the aforementioned goods being subject to repossession in totality by Lam Plan without prior notice provided thereof, in the event of non payment of any invoices that become due.

The client shall refrain from pledging as collateral or assigning ownership of the said goods until such time as they have fully settled the payment corresponding to the price thereof.

In the event of the client becoming the subject of bankruptcy proceedings or getting involved in any other event making it impossible to pay for the goods delivered by Lam Plan and where the goods were to be sold in part or whole by the client to a subsequent purchaser, without the subsequent purchaser being discharged from the liability of paying the sale price, with respect to the client, the client shall agree to promptly provide Lam Plan with all information necessary for Lam Plan to make any eventual claim on the goods, against the corresponding claim related to the sale price still owed by the subsequent purchaser.

6. Delivery

Delivery dates and time lines are purely indicative, provided only for informative purposes and as such, are in no way guaranteed.

In this regard, Lam Plan's obligation is an obligation in terms of means and not an obligation in terms of result.

As a consequence, possible delays in delivery therefore may not be considered grounds for the cancellation of the order, refusal of the goods, the allocation of penalties or any claim for compensatory damages.

Lam Plan shall therefore not be held responsible for any delays in or suspension of delivery, errors, disruptions attributable to their service providers, contractors and / or subcontractors, or due to any unforeseeable fortuitous circumstances or force majeure events, as recognised by the French courts.

The Lam Plan warehouses shall constitute the place of delivery.

This rule shall not be subject to any derogation whatsoever on account of the management, in whole or in part, of the transportation of goods by Lam Plan.

In such a case, Lam Plan shall act in the capacity of a mere agent of the client, with the transportation risks being entirely borne by the client.

Unless otherwise stipulated in relevant provisions, the goods shall be transported at the sole risk and expense of the client, by carrier, and shall be delivered to the address indicated by them in the purchase order.

The client shall be responsible for checking and verifying the condition of the goods upon receipt.

In the event of goods that are missing or that have been damaged in transit, the client shall undertake to express all the necessary reservations on the delivery note or transportation waybill, upon receipt of the said goods.

In addition, these reservations must be confirmed to the carrier in accordance with Article L 133-3 of the French Commercial Code, in writing, within three days following the receipt of goods, by registered letter with acknowledgment of receipt.

It shall be up to the client to exercise their rights in respect of any eventual claims against the carrier or carriers.

6bis. Return

Returns of goods for other reasons than non-conformity may be made within 15 days from the date of receipt of the delivery, subject to prior written notification by the customer.

The shipping or return costs are at the customer's expense. The return of the product(s) must be made in its original packaging and in good condition. All damaged, spoiled, incomplete or soiled products will not be refunded. LAM PLAN reserves the right to decide whether or not to issue a refund after quality control.

7. Limited warranty

New materials and equipment sold by LAM PLAN are guaranteed against any manufacturing risk for a period of one year from the date of invoice of the delivered material.

The purchaser is obliged to check the condition of the materials and equipment immediately after receipt and must notify LAM PLAN within 10 days after receipt if any defects are discovered.

LAM PLAN then undertakes, at its own discretion, to remedy any malfunction during the warranty period, either by repairing the product, replacing the product or refunding the purchase price, provided that the materials and equipment have been used in normal conditions, with LAM PLAN brand products and with regular maintenance.

The warranty does not cover repairs due to:

- the use of materials supplied by the customer or of a design imposed by him;

- incidents due to fortuitous events or force majeure, normal wear and tear of the product, negligence of the customer, lack of supervision or maintenance, or non-conforming, inappropriate or improper use;

- storage or packaging conditions that do not comply with professional rules and practices or with the specificities of the product;

- defects in assembly or implementation by the customer, or the actions of a third party;

- modifications or repair work carried out by the customer or a third party without the prior written authorization of LAM PLAN.

Furthermore, LAM PLAN does not grant any warranty regarding:

- the actual performance of the Products, other than their ability to meet the specifications set by LAM PLAN;

- the electronic components of the Products or their associated accessories, including but not limited to printed circuit boards and integrated circuits.

The customer is obliged to give LAM PLAN the necessary time and means to carry out the necessary repairs and/or replacements, failing which LAM PLAN's warranty will no longer be due to the customer.

LAM PLAN's warranty is, therefore, strictly limited as indicated above.

By express agreement, all damages of any nature whatsoever resulting from damage inherent in the defects of the goods are excluded from the guarantee.

9. Copyright

Ownership of copyrights for all documents in all classes is retained by Seller. Buyer is granted a license to make, without further approval by Seller, a limited number of copies, in whole or in part, of a document, so long as the copied portion includes the applicable copyright and trademark statements found on the original document.

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10. Applicable Law

All provisions of these General Terms and Conditions of Sale are exclusively subject to French law with respect to the interpretation and enforcement thereof.

11. Assignment of Jurisdiction

Any dispute arising from the interpretation and / or enforcement of these General Terms and Conditions of Sale shall be subject to a process of discussion and consultation with a view to achieving an amiable settlement.

Failing such a settlement being obtained within a period of two months from the date the dispute was notified and acknowledged, the dispute shall be brought before the Tribunal de Commerce de Paris (Commercial Court of Paris) who will have sole jurisdiction in the matter.

This clause shall be applicable, including in the event of summary proceedings, fixed date petition hearings and proceedings, incidental claims, plurality of defendants or third parties, and without the possibility of any hindrance thereto arising from the jurisdiction assignment clauses contained in the client's documents.



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