

# vademecum

# GOLDSMITH

## Jewelry work

### Lost-wax Casting

**666T.03**



**777T.05**



Reinforced carborundum discs

Useful to cut the sprue

Their thin design minimizes precious metal waste during cutting.

**H21EG.104.060**

Cross-cut bur



Effective for removing the remaining sprue.

# fresissima

# Finishing

HXU23E.007

## HXU23E

006 - 007 - 008 - 009

- ▶ Slot micro bur

Made from solid tungsten carbide

Cross-cut, very fine tip effective on all metals

Highly durable.



## H3.CHIR.012 HP

- ▶ Special tungsten carbide ball bur

The spaced cutting edges enhance cutting efficiency

The sharp tip and slender neck enable fast and precise drilling.



## MINIFRESIFLEX

- ▶ Fine-grit diamond disc

Ideal for finishing the interior of grooves with precision

Fine-grit.

H31.104.008

## H31

008 - 010

Cylindrical bur in solid tungsten carbide.

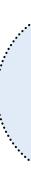
H33.104.010

## H33

008 - 010 - 014

Slot bur with a flat head made of solid tungsten carbide.

H33.104.010



## H71

002 - 003 - 004

### CT micro ball burs

Extremely useful for refining corners.

H71.004



## DUROSINT

### Sintered diamond disc

0.25 mm in thickness

Cuts any material

Can also be used for tool sharpening

Very durable.



## HDHP881.025

► *Diamond burs*

Medium-grit diamond for satin finishing.



Surface result



## RICCIO.060

► *CT burs*

Suitable for highly  
accentuated satin finishes

Creates a "polished  
hammered" effect.



## ENDOK EERO

► *Flexible rotary files*

They allow for refining and  
cleaning irregular holes.



## Polishing

9691.HP.GALAXY



## GALAXY

► *Sintered diamond with  
rubber binder*

Essential for polishing  
uneven surfaces.

9692.HP.GALAXY





## 1040HP

- ▶ Mounted rubber burs

High tip resistance.



## 0040 0040F GALAXY

- ▶ Mounted rubbers

1st step: Abrades and refines

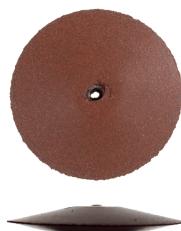
2nd step: Polishes.



1° STEP

2° STEP

1505



1517



1506

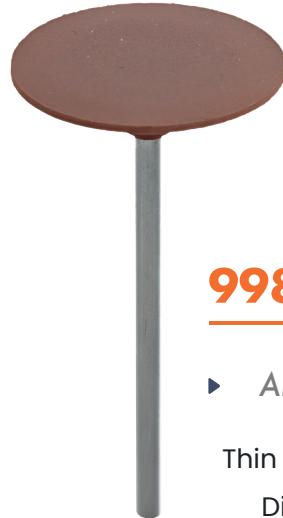


## 1505 - 1517 - 1506

- ▶ Polishing

The red rubbers are exceptional for quickly "erasing" marks left during the manufacturing process

The purple rubbers, when used consecutively, provide excellent polishing.



## 9985V

- ▶ Abrading

Thin disc shaped ideal for confined spaces

Diameter: 22 mm. Thickness: 0.8 mm.



## 9985

- ▶ Polishing

## 1100

Mandrel for Gummy



## 1103 GREEN

- *pencil-tip rubber burs*

Perfect for polishing hard-to-reach areas.

## F120

- *Special felt wheel*

Soaked in diamond paste.

## FIBER BLACK 1.0

Carbon fiber polishers.

## FIBER WHITE 1.0

- *Glass fiber polishers*

The WHITE smooths by removing roughness

The BLACK polishes

Slightly flexible and extremely durable, they allow work in areas difficult to reach with standard rubbers.

## F100 - FRO02

- *Special felts*

To be used with diamond paste.



## 1100 ZERO

Mandrel for Fiber



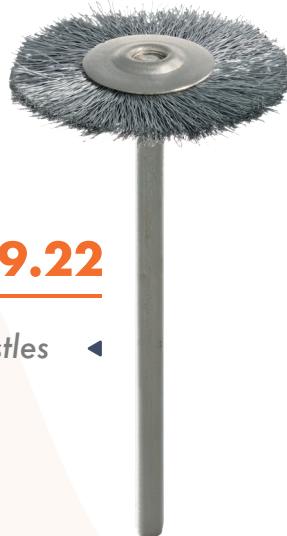


## **SM141.22**

- *Brass bristles*

Ideal for “scraping” and cleaning metal surfaces

Conveniently pre-mounted on dedicated mandrels.



## **SM939.22**

- steel bristles* ◀



## **SMB 22M**

- *Natural buffalo hair*

High paste absorption capacity

Useful for “cleaning” and polishing metals.

## **Metal drilling**



### **H206.104**

006 - 007 - 008 - 009 - 010 - 011 - 012



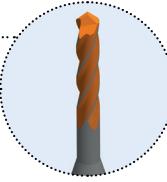
- *Metal drilling*

Solid carbide helical burs  
for metal drilling.

## Pearl drilling



**H206B.104**  
008 - 010 - 012

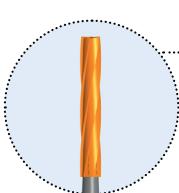


► *Pearl drilling*

Four-blade spiral tips in solid tungsten carbide

Designed for drilling pearls and stones with a maximum hardness of 4 on the Mohs scale.

## Hole refining



**H21XL**  
006 - 008 - 010 - 012



*Solid tungsten carbide.* ◀

Cylindrical bur excellent for refining holes

Usable on any metal and pearls.



**PAULOX T**

*Bench micromotor* ◀

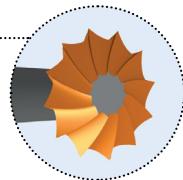
Equipped with a special torque compensator that ensures good power even at low rotational speeds.

Rotation speed: 3,000–30,000 rpm.

# Stone setting

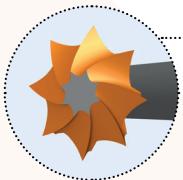
**Setting** is the technique used in jewelry making to secure gemstones of various types and shapes within specialized settings, called **mountings**.

**FHH**



► *Innovative for stone setting*

**FHH8**



► *Innovative for stone setting*

FHH.104.014

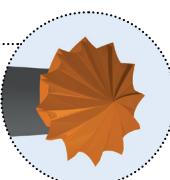
Unique in the world, FHH Fresissima are made from solid tungsten carbide, with a shape that replicates that of an engraving tool (graver).

The 12-blade version is used on yellow gold. The 8-blade version is specific for metals that tend to clog, such as palladium and platinum.

A single FHH Fresissima can replace up to 30 common steel burs.

FHH8.016

**FHD**



► *Solid tungsten carbide*

Designed for creating the mounting for the gemstone.

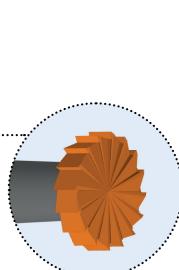
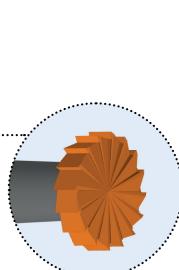
FHD.104.022

The FHD Fresissima is the only bur with an 85° angle, matching the angle of most gemstones, providing significant advantages for setters.

**FHRF**  
010 - 015 - 020

**FHR**  
010 - 015 - 020

*Solid tungsten carbide*



Wheel bur designed for finishing narrow grooves.

Reversing the rotation direction significantly increases cutting capacity.

Thickness: 0.2 mm

FHR.104.020

**Solid tungsten carbide**

Wheel bur with an active head

Thickness: 0.6 mm

**HXU35E**  
008 - 010 - 012 - 014

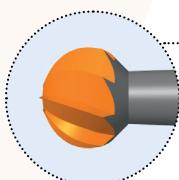
**C1**

HXU35E.104.014

► *Inverted cone*

Excellent for working in corners.

Highly effective when used along its edges.



*Stone seating*

The increased number of blades, compared to standard tungsten burs, allows for high-quality finishing even at low speeds.

C1.104.014

# Stone repair and polishing

Systems that allow the setter to directly repair scratched or chipped stones with excellent results (a process typically done in cutting). The degree of finishing and polishing is crucial to prevent any scratches from being visible.

## DIALUX SYSTEM

Sintered diamond system



9690.104.260

1° STEP



9691.104.260

2° STEP



9692.104.260

3° STEP

These are used to "lower" stones that may protrude from the piece. In this case, the stones are reduced by modifying the part that will meet the object

Effective even on very hard stones.

## GEMINI SYSTEM

Sintered diamond system



GEMINI RUOTA C  
"ABRADES"

1° STEP



GEMINI RUOTA F  
"SMOOthes"

2° STEP



GEMINI RUOTA SF  
"POLISHes"

3° STEP

## POLISHING



**209900**

► *Polishing paste*

It can replace two steps: it removes scratches and polishes

It contains no grains or particles that could scratch the piece.

**POINT**



**FLAT**



**SP 80x40**

*Boar bristle brushes*

They absorb polishing pastes very well

They do not shed bristles.

# Precious stone cutting



## SD251 SC

- *Sintered diamond tool*

Exceptionally durable

Maintaining the same diamond quality throughout its lifespan.



## DUROSINT

- Sintered diamond tool*

Durable with consistent wear

Ideal for cutting extremely hard materials.



## 911.190

- *Diamond disc*

Provides a clean cut

Stable, precise, and controllable.

## 222T.02 DIA

- Fabric-reinforced diamond disc*

Cuts and separates



Minimal and consistent wear.



## H7859L.DIA

012 - 016

- *"Disteno" patent long-lasting diamond*

Diamond-coated tungsten carbide.

High wear resistance.

## DHP 71 020 - 030

- Diamond burs*

Medium-grit

spherical shape.



DHP 71/4020

# Stone repair and polishing



— ● —

## GEMINI LENTE

► *Sintered diamond system* ◀

Effective even on very hard stones.

Also useful to "lower" stones that may protrude from the piece.  
In this case, the stones are reduced by modifying the part that will  
meet the object.



► *Sintered diamond system* ◀

