# Polishing Safety 101

#### Finger Protection Tape Ref:39-110-000

Finger Protection Tape is the ultimate finger & wrist protection from cuts, burns and abrasions. Because it is thin yet tough, it allows greater dexterity and sensitivity & is therefore superior to conventional stalls & gloves. It is a unique tape which sticks to itself, not to skin, yet breathes & actually improves your grip. Easily removed when work is done.30 metres / roll, 20mm wide. Blue





#### Respirator Face Mask Ref: 39-109-100

These respirators provide the same level of protection as the valve model (see Ref:39-109-000) but at a lower cost. Features include twin strap design, foam nose seal and flexible steel nose clip to ensure a good face seal over a wide range of face sizes. Ideal for use when polishing for short periods of time or to have on hand for the occassional 'Cyanfree' electroplating job.



Sold only in boxes of 10 masks

## Respirator/Face Mask with Valve

This respirator has a twin strap design, foam nose seal and steel nose clip to ensure a good seal over a wide range of face sizes. It has a unique valve which allows for your breath to be exhaled. This means the mask stays cool and comfortable to wear. Other flimsy masks are hot to wear as stale air stays trapped in the mask. Our mask meets Australian Standard AS1716 and has received other government approval. This low cost respirator will give you excellent protection against most polishing compound dust, some of which contains silica, some fumes from soldering and plating solutions. etc.

This respirator is suitable for use with products such as: Auflux, Activax, Rumble Bright, Shofu Points, Silicon Carbide, Dialux, Tripoli, Cyanfree Plating Solution.



## Low Maintenance Respirator

Soft silicon face piece with matt finish face seal to reduce slippage. This half face respirator offers lightweight easy breathing protection with the advantage of low maintenance and easy cleaning. When the filters are used to capacity they are quickly and easily replaced.

This respirator is suitable for use with products such as: Investment Powder, Masking Paint, Electrofroming Paint, Rhodium Plating Solution.



Gas and Vapour Filters Ref: 39-108-100 These filters have been designed for easy attachment to the facepiece. Simply twist off, discard and replace just as easily with new ones.

3M Particulate Filter & Retainer Ref: 39-108-200

## **Jewellers** Apron

Ref: 41-352-000

This jewellers apron is made from heavy duty blue denim. It measures 670mm wide x 950mm long with one centre breast pocket and one large waist pocket



### Leather Finger Guards

Protect your fingers from heat and dirt while polishing.

Reference 04-800-000 04-805-000



### **Description**

Finger- Closed ends Thumb- Closed ends

Reference 04-810-000



#### **Description**

Thumb- Open end, elasticised Finger- Open end, elasticised.

## Safety Eyewear

#### **Safety Spectacles**

Ref: 39-155-000 Designed to fit right to your face to surround the eye Polycarbonate lenses shield your eyes from a variety of hazardsimpact, splash and spark conditions. Will fit over most types of prescription glasses.



#### **Bolle Bandit**

Ref: 39-160-000

Polarised Poly-carbonate Lens is combined with the style and comfort



of Bolle spectacles to provide eye-protection from UVA and UVB rays as well as a variety of light impact, splash and spark hazards. Also features Stylish Black Frame with Integrated Side Shields and Coated Scratch & Fog Resistant Lens.

# 102 Polishing

Polishing Compounds - Always wear protective clothing and safety equipment when polishing. See Polishing page 101					
-	06-015-000	Vonax Tan	Polishing compound for perspex, plastics and bone	810g bar	
	06-020-000	Lustre Tripoli (Red/Brown)	General purpose primary polishing compound will remove scratches. Leaves metal with dull finish.	830g bar	
	06-025-000	Carbarax Grey	Primary polish for mild steel, stainless steel. Gives semi-mirror finish.	800g bar	
	06-026-000	Hyfin White	Final polishing compound for silver and s/steel.	810g bar	
Green Rouge	06-027-000	Green Rouge BBB	Produces excellent final polish on chrome, stainless steel and platinum.	500g bar	
of lan	06-028-000	Lea Compound	Produces a brushed effect similar to 1G emery paper, good for removing file marks.	850g bar	
- JIII	06-029-000	Bobbing Grease	For fast metal removal or pre-polish.	325g bar	
	06-030-000	Blue Tripoli (Steelbrite)	Final polish for silver, stainless steel, aluminium, brass and copper.	800g bar	
A-100-	06-031-000	Tin Oxide Powder	For removing scratch marks from opal, onyx etc. Use with Magnum Polisher Ref: 08-525-000	50g bag	
	06-033-000	Pumice Powder	For metal cleaning & cutting.Removes scratches on glass	s. 200g jar	
1	06-039-000	Fabulustre	Special polishing compound will remove light scratches & still produce a bright final finish.	150g bar	
	06-040-000	Cannings AA Ro	uge For final high polish on gold and silver.	240g bar	
LUXOn LA	06-155-000	Luxor Orange	For extremely good bright finish on precious & fragile metals used with a cotton buff	110g bar	
	06-156-000	Luxor Grey	For platinum. Use on a stiff cotton buff	110g bar	
BIALLTHAN	06-210-000	Dialux- White	Universal compound for lustre finish on all metals.	150g bar	
DIALLA BLIL	06-220-000	Dialux- Blue	Universal compound for high lustre finish on all metals. Produces a real super lustre.	150g bar	
7/AL-	06-230-000	Dialux- Green	For final polish of special steels & hard steel alloys, chromium, cobalt, platinum.	150g bar	
MALIDIANO	06-240-000	Dialux-Rouge	Red rouge produces high lustre finish on gold and silver.	150g bar	
DIALUX JAUNE	06-250-000	Dialux-Yellow	For final polishing on plastics and all soft metals (copper, bronze, brass, aluminium, and glass).	150g bar	
	06-555-000	Rouge Powder Red	Use on platinum, gold, silver. Can be mixed with water. Can be used with hard buffs or felts.	250g jar	
70	06-070-080	Nikkokenzaisha	800 cut White Platinum Polishing Compound.	400g bar	
11 (B) #	06-070-150	Nikkokenzaisha	1500 cut White Platinum Polishing Compound.	400g bar	
	06-070-400	Nikkokenzaisha	4000 cut White Platinum Polishing Compound	250g bar	
	06-070-800	Nikkokenzaisha	8000 cut White Platinum Polishing Compound.	250g bar	

#### Mounted Solid Felt Points

Minature felt points are ideal for polishing or pre-polishing inside

hard to reach areas, high relief areas of oxidised metal (for antique look) and small outside flat surfaces. Use with your favourite pre-or final polishing compound.

















07-452-000 07-450-000 07-456-000 07-454-000

Barrel

Flat Cone

Pointed Cone

Inverted Cone 07-464-000

Square Wheel 07-458-000

Knife Wheel 07-460-000

Felt Laps 07-462-000

#### Mounted Wheels - 22mm diameter







Synth. Suede 07-480-000 Longer life smear-free finishing buff



Leather Laps 07-480-000 Long life smear-free finishing buff



Calico Wheel 07-485-000 Use with Tripoli for pre-polish on small areas.



Felt Flap 07-449-100



Felt Flap 07-449-100

20mm dia. x 10mm. 30mm dia.x 20mm. The verticle flaps help keep heat to a minimun providing a faster fine finish.

#### Pencil Brushes

Reference **Description** 07-410-000 Black Bristle 07-411-000 Goatshair 07-425-000 Brass 07-438-000 Steel



## Cup Brushes

Reference **Description** 07-406-000 White Bristle 07-408-000 Black Bristle 07-415-000 Brass 07-440-000 Steel





#### Looking for?

Dullmatting Brushes, Rubber Polishing wheels & points See Abrasives pages 4 & 5.



#### Mounted Brushes (22mm diameter)

Reference Description 07-402-000 Black Bristle (soft) 07-420-000 Brass

07-469-000 Goatshair 19mm

Reference **Description** 

07-404-000 White Bristle 07-430-000 Steel

07-470-000 Goatshair 22mm

Reference **Description** 

07-405-000 Black Nylon (hard) 07-469-500 Goatshair 14mm



## Metal Centre Brush

Reference Description

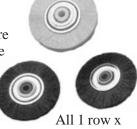
05-000-000 Black Bristle, white centre 05-000-100 Black Bristle, blue centre

05-004-000 Horsehair

05-030-000 Goatshair blue centre

05-030-100 Goatshair white centre 05-031-000 White Chungking Bristle

05-075-000 Crimp Steel



51mm diameter

# Brass Wire Brushes

Surface finishing, produces a softer satin or matt finish. Wire 0.12mm diameter. Bristle wheels have cloth insert impregnated with rouge.

Diameter	Hub	Rows	Reference
55mm	Steel	1	05-040-000
90mm	Wood	4	05-055-000
102mm	Wood	4	05-060-000

### Hypofix Wheel Bristle wheels have

cloth insert impregnated with rouge. Reduces dust and metal loss. Use very little pressure.

Reference **Diameter** Row

05-017-000 60mm 2 Bristle/1 cloth 05-018-000 80mm 3 Bristle/2 cloth

#### Black Bristle Brushes

Diden Di ibele Di dolles				
Size		Hub	Reference	
55mm	2row	Plastic	05-001-000 Yello	ow
60mm	3row	Wood	05-000-000	
60mm	3row	Wood	05-010-000	
60mm	2row	Wood	05-003-000	0
* 70mm	2row	Plastic	05-002-000*	
80mm	5row	Wood	05-015-000	
80mm	4row	Plastic	05-020-000	
*This brush has 10mm bristle and 40mm hub				

# 104 Polisking

## Top Quality Solid Felt Wheels

Wheels are made from finest high density hard 100% pure wool felt. Used for polishing or lapping of metal and stones.



Reference	Dia	ameter	Thickness
04-410-000	$1^{1}/_{2}$	"(38mm)	<sup>1</sup> / <sub>4</sub> " (6mm)
04-422-000	2"	(50mm)	$^{1}/_{2}^{"}$ (12mm)
04-434-000	3"	(70mm)	$^{3}/_{4}^{"}$ (20mm)
04-442-000	4"	(102mm)	1" (25mm)
04-462-000	6"	(152mm)	1" (25mm)

Ref: 04-650-

#### Paramount Split Laps



6" Medium Ref: 04-400-000 6" Rock Hard Ref: 04-402-000

#### Satin Finish Buffs Mounted Satin Finish Buffs

07-529-000 Med 07-530-000 Fine 07-531-000 XFine



For use with a flex-drive to produce a satin finish on gold & silver.

#### Satin Finish Buffs for the Polishing Lathe

Reference	Size	Grade	Type
04-208-060	100mm	Medium	4 lap
05-235-030	100mm	Coarse	Flap
05-235-020	100mm	Medium	Flap
05-235-010	100mm	Fine	Flap
05-235-000	100mm	XFine	Flap

These buffs are made from abrasive mesh (like Scothchbrite) layers from 3mm to 8mm thick to produce a satin finish or lightly deburr precious metals.



#### Combination Felt

Wheel and inside ring buffs provide quick inside and outside bracelet and ring polishing.

75 x 22-12mm.



### Solid Felt Ring Buff

Excellent for polishing inside rings.

Reference Description

04-605-000 Rounded one end 75L x 20-16mm 04-605-100 Square both ends 70L x 25-15mm

## Cotton Ring Buff Ref: 04-680-000

Cotton surface 75mm long, on wooden hub. Has cotton tail on end.

Also available Ref: 04-680-001 with solid felt cone end.

## 04-003-100 Square both clids TOLX 23-13.

Solid Felt Ring Buff Ref: 04-606-000 Softer version of 04-605-000, with rounded tapered end. 100mm long x 22-16mm diameter

# Felt Bangle Buff Ref: 04-660-000



Felt buffs with wooden hub for polishing inside and outside of bangles. Overall Size: 53mm x 90mm. Felt Size: Tapered from 50mm to 53mm diameter.

## Felt Ring Buffs (with wooden centre)



Ref 04-600-000

 Reference
 Description

 04-620-000
 75mm long

 04-625-000
 100mm long

 04-630-000
 150mm long

# Inside Ring Sander

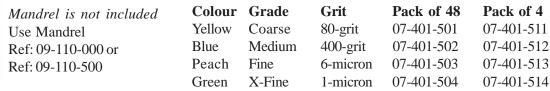


Uniflex inside ring sander on wooden hub, 60mm.

## Habras Bristle Discs Want to save time when polishing?

The Habras Brushes have a unique three-dimensional abrasive/flexible design that provides a uniform finish; use them for heavy cleaning, removing firescale and light oxide, pre-polishing, semi-finishing, blending, texturing and polishing. These discs provide the convenience of a pre-charged abrasive but they don't generate the heat that

you get from rubber wheels. Embedded Cubitron mineral abrasive is harder than most metals. Use to remove oxides from jewellery without messy compounds. Ideal for cleaning and finishing hard-to-reach areas and fine detail. Last up to 10 times longer than conventional rubberized abrasives.



#### White Buffs

Made of finest quality, high thread count cloth for long life. Always use a separate mop for tripoli and rouge. All mops are now made in USA and are supplied with shellac



stitched leather centres, that will grip firmly to the spindle without slipping.

#### Tripoli Mop **Muslin for Primary Polish**

All the tripoli mops (80/80 weave) are yellow because they have been chemically treated, will be stiffer and hold your compound much better. They will last longer than 60/60 weave white buffs. Very effective for first stage polishing with tripoli.

Ref:	Description
04-205-000	4" x 50 fold, yellow
04-206-000	4" x 50 fold, 3 row, stitched, yellow
04-210-000	6" x 50 fold, yellow
04-211-000	6" x 50 fold, 4 row, stitched, yellow
04-212-000	6" x 75 Fold Yellow

## Dialux Mop

#### **Soft Muslin for Secondary Polish**

White fine muslin buff with 80/80 weave which means more threads per inch than most other buffs. Slightly loose weave will hold rouge very well, but gives better finish and last longer than 60/60 weave buffs.

Ref:	Description
04-225-000	4" x 50 fold, 3 row
04-226-000	4" x 50 fold, stitched
04-230-000	6" x 50 fold
04-231-000	6" x 50 fold, 4 row, stitched
04-235-000	6" x 75 fold
04-240-100	10" x 100 fold

## Rouge Mop

#### **Double Swansdown (Flannel)**

This is a soft unbleached double napped flannel with combed finish, will provide superior finish with rouge.

Ref:	Description
04-250-000	4" x 50 fold
04-251-000	4" x 50 fold, 3 row, stitched
04-245-000	5" x 50 fold
04-255-000	6" x 50 fold
04-256-000	6" x 50 fold, 4 row, stitched

### Suede Buffs

Soft 7-ply leather buffs hold polish compound very well to produce a super fine smear-free finish on Gold and Silver. Ref: 04-204-100



## Knife Edge Felt Wheels

#### Reference **Diameter** 04-510 2" (51mm) 04-520 3" (76mm)



#### Folt Copes

reit Cones				
Reference	<b>Diameter</b>	Length		
04-740-000	12.5mm	25mm		
04-745-000	19mm	38mm		
04-750-000	25mm	50mm		

#### Cotton Buffs Wooden Hub Soft cotton thread for final polish.



**Description** Reference 04-005-000 60mm 04-015-000 70mm 04-020-000 100mm

#### \*\*Product Safety Warning\*\*

Some polishing products and compounds contain silica and show limited evidence of causing cancer in humans. IARC Class 2A. Use an approved safety mask & ensure adequate ventilation.

Prolonged exposure may cause lung injury (silicosis). Users must comply with all applicable health and safety regulations relating to the safe handling of crystalline silica. For more information see "Safety Information" on the specific products' Material Safety Data Sheet. For protective equipment see Polishing Safety Equipment on page 98.

### Berry Buffs - for Platinum

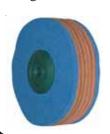
Chemically treated muslin buffs that feature excellent compound retention and good cutting action to reduce polishing time and produce a high lustre finish



150mm x 50ply stitched 4 rows Ref: 04-232-000 100mm x 40ply stitched 3 rows Ref: 04-233-000

## Synthetic Suede Buffs

An excellent long life buff, the flap construction of these assist to keep heat to a minimum allowing for a faster polish. Will also hold polish very well. Produces a high lustre finish.



**Polishing Lathe Buff** Size: 100mm x 10mm Ref: 04-204-100

> **Polishing Lathe Buff** Size: 100mm x 20mm Ref: 04-204-500

# 106 Polishing

### DG Heavy Duty Bench Motors

Ref: 35-045-000 Two Speed - 1400rpm & 2800rpm,

Ref: 35-040-000 One Speed - 2800rpm

Made in Italy by **DG**(Carlo De Giorgi)
these polishing lathes have been built for prolonged use in larger workshops.

Features include (both models):

• Powerful 500 watt motor (.67 hp) • Quiet vibration free running • Left & right side tapered spindles • Right side wheel centre • Quick change spindle extractors

Weight: 10.5 Kg

Size: 512mm (with spindles) x 155mm deep x 240mm high

## DG Compact Bench Motors

Ref: 35-047-000 Two Speed - 1400 rpm & 2800rpm

Ref: 35-042-000 One Speed - 2800 rpm

300 watts

Takes mops up to 150mm

Quiet vibration free operation

Complete with left and right side wheel spindles, quickchange spindle extractors and a right-hand



wheel centre. This compact unit is ideal for smaller workshops and retail stores. Weight: 10 Kg.

Size: 440mm (with spindles) x 125mm deep x 210mm high

# TAPERED SPINDLES & ACCESSORIES

#### **Generic Brands**

 35-330-000
 10mm Left

 35-335-000
 10mm Right

 35-340-000
 12mm Left

 35-345-000
 12mm Right

 35-350-000
 16mm Left

 35-355-000
 16mm Right



#### **DG** Lathes

35-035-001 Right 35-035-002 Left

35-035-003 Wheel Centre

35-035-004 Extractor

#### **Baldor & Faro**

35-050-001 Left 35-050-002 Right 35-050-003 Bur Chuck

#### **Abbott & Ashby**

35-036-001 Left 35-036-002 Right

measure diameter of the shaft on the lathe before ordering.

### Bailo Heavy Duty Bench Motor

Ref: 35-056 Two Speed - 1400rpm & 2800rpm, 300watt Ref: 35-055 One Speed - 2800rpm, 340 watt

These quality Italian made motors are built to run cool, exceptionally quiet & vibration free constantly for many hours. Ideal for



workshops where prolonged use is required. Both machines feature well balanced fine spindles with quick change spindle extractors. A right hand side wheel centre is supplied to carry Airflex type wheels.

### **Abbot & Ashby Economy**

Ref: 35-036-000
Single speed
2800rpm
Left and right
spindles included

Will take up to 150mm buffs

### Baldor Two Speed

Ref: 35-050-000

Kei. 33-030-000

1/4 Horsepower (186.5 watts)

-Weight: 16 Kg

-Industrial quality

-Includes 2 fine spindles

-2 speeds 1500 rpm or 3000 rpm -Smooth design, totally enclosed

-Manual thermal overload protection

-Heavy casing assures vibration free operation

Size: 460mm (with spindles) x 180mm deep x 185mm high

#### . Lathe Wood Handy Chuck

To hold <sup>3</sup>/<sub>32</sub>" shank tools & brushes on tapered spindle. Will fit both left and right hand side spindles.

Ref: 31-345-000

Made In USA



This end fits on spindle.

Weight:250g

### Extractor & Lathe Units By



Polini Unit

Ref: 45-333-000



This ultra compact single unit is ideal for work shops where space is at a minimum. It features a single right hand spindle with a speed of 2800rpm, extractor motor is 14kW providing 320m<sup>3</sup>/h extraction capacity.

Weight 12kg

Single Side Unit Ref: 45-335-000

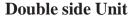
Weight 26kg Size: 440mm x 350mm x 450mm high.



Both Elma Single Side and Double Side Extractors feature:

- •High powered **480m³h** extraction fan at each work station (Independantly switched).
- •2 speed (1400/2800rpm), 0.22kW motor (Independently switched).
- •Bright flourescent illumination over each work station (independently switched)







Ref: 45-365-000 Weight 38kg

Size: 440mm x 350mm x 450mm high.

### Black Plastic Polishing Hood



Ref: 35-420-000
Aerodynamic design for maximum collection of dust.
Designed for operator convenience. Compact design allows use in a confined space.
Put small amount of water in tray base, to stop dust being recirculated. Weight: 300g

Size: 250mm high x 220mm wide x 260mm deep.

# Single Side Dust Extractor

Ref: 45-150-000

This powerful single side dust extractor is ideal for smaller workshops or retail stores. Features include:

~ Independant switches for extractor and flourescent light ~ Heavy particle recovery drawer. ~ Fine particle/dust recovery bag. ~ Welded steel sheet construction ~ Rust resistant paint and textured enamel finish. Can be mounted for left or right hand operation.

Dimensions: 320 x 560 x 520mm high. Weight: 28Kg

### Compact Extractor with Lathe

Ref: 45-345-000 Made in Italy.

This compact dust extractor is ideal for the smaller work-



shop or retail jeweller. A single speed polishing lathe, and effective exhaust fan are all included in the one unit. Features; fan motor 0.5 hp with 120m<sup>3</sup>/h

suction power - 6watt flourescent light - Easy access dust recovery draw - Compact size: 660 wide x 400 deep x 500mm high. Weight: 35Kg

### Compact Dust Extractor



Ref: 45-355-000 Made in Italy

The Double side polisher/extractor has been designed for workshops where space is limited. The extractor motor and polishing motor are built-in and supplied with spindles and spindle extractors for quick easy replacement of your mop. Both sides have a clear removable Plexiglas screen, Illumination and removable easy-clean grate over the extraction port. An emergency stop switch is fitted to the front. .5 Hp motor provides  $800\text{m}^3\text{/h}$  extraction power. Dimensions:  $645 \times 435 \times 435 \text{mm}$  high. Weight; 28kg

# 108 Polishing

## Dust Extraction Bench DG - Two Station Ref: 45-400-000

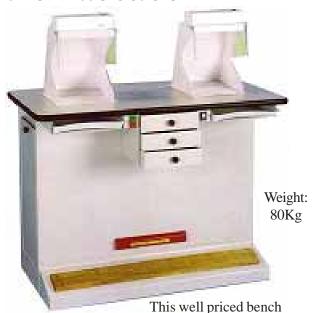


Bench model with two working places allowing two people to work at the same time on different materials. Made from electric welded steel sheet, rustproof paint and textured enamel finish.

- -Two suction hoods with 6 watt neon lights;
- -Two 0.13hp fans with 220 m<sup>3</sup>/h suction power each;
- -Two drawers for dust recovery located in base;
- -Four drawers for storage of polishing materials;
- -Weight: 75Kg;
- -Dimensions: 1320 x 550 x 1450mm high.

Height to top of bench: 860mm

### Dust Extraction Bench Bailo - Two Station Ref: 45-410-000



extractor provides 1200m<sup>3</sup>/h suction to both work stations from a single 0.5Hp motor. Features include:

- -Sturdy steel construction
- -Three central drawers
- -Solid laminex timber top
- -Timber foot rest.

-Each work station has an independently operated flourescent light, suction grate and clear plastic shield.

Dimensions 1100mm wide x 600mm deep x 1170mm high Height to top of bench - 810mm

Bailo Single Station Extraction Bench is available by special order Ref: 45-310-000

## Vision Two Station Extraction Bench by Bailo Ref: 45-411-000

This quality Itailan made unit is built for two seated workstations

#### Features include:

- -Sturdy steel construction
- Solid laminex timber top
- Timber foot rest
- Enclosed clear shield with slide opening on both left and right sides
- Three central drawers
- Each work station has an independently operated flourescent light, suction grate, clear plastic shield and sliding plastic work trays
- Emergency stop device
- 0.5 Hp extractor motor on each side provide 1200 m³/h suction power

Dimensions: 1310mm wide x

630mm deep x 1250mm high - Bench top 820mm high

## Dust Extracton Bench Single Station

-Made in Italy by DG Ref: 45-300-000



drawers
-Rubber
covered
foot rest

-Fits any size polishing motor

-Suction hood with 6 watt flourescent light

-Weight: 45Kg

-0.13Hp aspirator with  $80 m^3/h$  suction power -Dimensions: 810 mm wide x 550 mm deep

x 1450mm high

Height to top of bench: 860mm

