

Maintenance Kits - The Key facts:

For the maintenance of punches and dies, I Holland offer a range of consumable products which can be bought separately, or as a complete Maintenance Kit (including the UC500, Electronic Polishing Unit, Polishing Motor, Comparators, Motorised Chuck and consumables pictured below).



- A** **Precipitated Chalk** - removes polishing compound (e.g. Hyfin paste or Diamond) residue from punch tips after polishing.
- B** **Spray Bottle** - the lapping fluid is put into the spray bottle, which aids application onto the punches.
- C** **Lapping Fluid** - flushes out polishing paste residue.
- D** **Hyfin Paste** - used in conjunction with the Double Ended Motor and nylon wheel brushes for polishing embossed or shaped punch tips.
- E** **Brass Polishing Brushes** - used to remove stains and corrosion on punch tips and to blend areas of the tip that have been repaired using the Arkansas Stone.
- F** **Radius Gauges** - used to determine the radius of plain concave tips and to use as a template during the shaping of Felt Bobs.
- G** **Diamond Polishing Compound** - available in fine or coarse grade, used with Nylon Wheel Brushes for polishing punch tips.
- H** **Nylon Polishing Brushes** - fitted into the dental motor for polishing all embossed, flat bevelled and shaped punch tips
- I** **Turret Brushes** - for cleaning punch guides.
- J** **Felt Bobs** - fitted into the hand piece of the Airgrinder or DSM4 unit to polish the tips of plain and concave punches. The radius gauges are used on the Felt Bobs to shape them when polishing plain tips.
- K** **Bramet Strips** - used with the lapping sticks for removing marks and damage to punch heads and for adjusting working length of punches. A fine emery should also be used to improve the surface finish after using the coarse emery.
- L** **Corrugated strips** - ideally used on a bench top for safe handling of punches whilst polishing.
- M** **Eye Glass** - used to closely examine punches and the tips.
- N** **Lapping Sticks** - used for de-burring punch tips. Abrasive Strips & Emery Rolls are used with Lapping Sticks to give the Emery a hard surface.
- O** **Arkansas Stone** - used to remove slight damage to edges of punch tips and to remove burrs from the outside edges.
- P** **Scotch Brite** - used for the removal of any surface rust.
- Q** **Cotton Wool (no image)** - used to wipe away any residue fluids or polishing paste.
- R** **Length Pot (no image)** - used to hold and stabilise the punch for measurement/inspection.
- S** **Length Gauge (no image)** - used for setting measuring devices when checking punch length.
- T** **Course Emery (no image)** - for removing marks and damage to punch heads and for adjusting the working length of punches.
- U** **U'Handy (no image)** - used with the Motorised Chuck for tip polishing of plain & concave punches, large FBE's and die bores (includes Ua).
- V** **Dental Motor (no image)** - used for polishing and de-burring all embossed punch tips (including breaklines) flat bevelled edge and shaped punch tips.
- W** **Motorised Chuck (no image)** - used for general cleaning and polishing of punch heads, punch bodies, polishing plain concaved punch tips and cleaning die bores.
- X** **Bench Comparator (no image)** - This is used for the measurement and comparison of punch lengths. Also for checking punch tip to barrel concentricity. Used with B & D type Punch holders (pots) and Length setting gauge.

Maintenance Equipment



Maintenance Kits

| Part Number | Description | Quantities |
|--------------------------|--|------------|
| HEEQ-KIT01 HEEQ-KIT02 | Maintenance Kit 1 - 240volts (50Hz) Maintenance Kit 2 - 240volts (60Hz) | 1 |
| HEEQ-KIT03 HEEQ-KIT04 | Maintenance Kit 3 - 120volts (50Hz) Maintenance Kit 4 - 120volts (60Hz) | 1 |

The variations in voltage between maintenance kits is dependant on compatible geographic regions.

Maintenance Kit Consumables

| Part Number | Image Ref. | Description | Quantities |
|-------------|------------|--|-------------|
| HEPE-CHA01 | A | Precipitated Chalk* | 500g Tub |
| HEPE-SB001 | B | Spray Bottle* | 1 |
| CON-Hyp01 | C | Lubricating Fluid Type 05 (Lapping Fluid)* | 2.5 litres |
| HEPE-HYF01 | D | Hyfin Polishing Paste* | 2 x 1kg Tub |
| HEPE-HYF03 | D | Unipol 18 Polishing Paste - Food Grade | 1Kg Tub |
| HEMA-BRU01 | E | Brass Wheel Brushes 2" Dia* | Pack of 10 |
| HEMA-GAU03 | F | Radius Gauge 1mm - 7mm* | 1 |
| HEMA-GAU04 | F | Radius Gauge 7.5mm - 15mm* | 1 |
| HEMA-GAU05 | F | Radius Gauge 15.5mm - 25mm * | 1 |
| HEMA-GUA01 | F | Radius Gauge - 1/32 -1/4 (imperial) | 1 |
| HEMA-GUA02 | F | Radius Gauge - 17/64 -1/2 (imperial) | 1 |
| CON - GDI01 | G | Applicator Diamond Compound 3-KD-C2 5g* (2 included in kit) | 1 |
| HEME-RED01 | G | Polishing Diamond 8-KD-C2 - Red | 1 |
| HEME-YDI01 | G | Polishing Diamond 6-KD-C2 - Yellow | 1 |
| CON - BDI01 | G | Applicator Diamond Compound 14-KD-C1 5g | 1 |
| HEPE-BD001 | G | Polishing Diamond 1-KD-C2 - Blue | 1 |
| HEME-MAH01 | G | Polishing Diamond 25-Kd-C2 - Mahogany | 1 |
| HEPE-WDI01 | G | Diamond Polishing Compound - 90-Kd-C2 White | 1 |
| HEMA-BRU06 | H | Nylon Wheel Brushes 19mm Dia - Pack Of 12* (5 included in kit) | Pack of 12 |
| HEMA-BRU14 | H | Nylon Wheel Brushes 15mm Dia | Pack of 12 |
| HEMA-BRU15 | H | Nylon Wheel Brushes 21mm Dia | Pack of 12 |
| HEMA-BRU16 | H | Nylon Wheel Brushes 25mm Dia | Pack of 12 |
| HEMA-BRU17 | H | Nylon Wheel Brushes 2" Dia | Pack of 10 |
| HEMA-BRU02 | I | Brass Turret Brush 'B' Type* | 1 |
| HEMA-BRU03 | I | Brass Turret Brush 'D' Type* | 1 |
| HEMA-BRU08 | I | Nylon Turret Brush 'B' Type* | 1 |
| HEMA-BRU09 | I | Nylon Turret Brush 'D' Type* | 1 |
| HEMA-BRU08W | I | Nylon Turret Brush 'B' Type - White | 1 |
| HEMA-BRU09W | I | Nylon Turret Brush 'D' Type - White | 1 |
| CON - FB004 | J | Felt Bobs No.4 1/8 Dia Shaft - 10mm Pack 10* (5 packs included in kit) | Pack of 10 |
| CON - FB003 | J | Felt Bobs No.3 1/8 Dia Shaft - 12mm Pack 10* (5 packs included in kit) | Pack of 10 |
| CON - FB002 | J | Felt Bobs No.2 1/8 Dia Shaft - 16mm Pack 10* (5 packs included in kit) | Pack of 10 |
| CON - FB005 | J | Felt Bobs No.5 1/8 Dia Shaft - 7mm Pack 10 | Pack of 10 |
| CON - FB001 | J | Felt Bobs No.1 1/8 Dia Shaft - 20mm Pack 10 | Pack of 10 |
| HEMA-ABS01 | K | Bramet Strips 320 Grit* | Pack of 10 |
| HEMA-ABS02 | K | Bramet Strips 600 Grit* | Pack of 10 |
| HEPE-CPS01 | L | Corrugated Plastic Strips* (5 included in kit) | 1 |
| HEPE-EYE01 | M | Jewellers Eyeglass (Magnification X 3)* | 1 |
| CON-LS005 | N | Hardwood Lapping Sticks No.5 (8x12x150mm)* | Pack of 10 |
| CON-LS006 | N | Hardwood Lapping Sticks No.6 (8x19x150mm)* | Pack of 10 |
| CON-LS007 | N | Hardwood Lapping Sticks No.7 (8x3x150mm)* | Pack of 10 |
| HEMA-ABS05 | O | Arkansas Stone - 100 X 25 X 6mm* | 1 |
| HEMA-ABS07 | O | Arkansas Stone - 100 X 25 X 13mm | 1 |
| HEMA-ABS08 | O | Round Arkansas Stone - 4 X 3/8 | Pack of 4 |
| HEMA-ABS09 | O | Square Arkansas Stone - 4 X 3/8 | Pack of 4 |

* - included in kit as standard
Blue - optional replacement for standard item

Maintenance Kit Consumables continued...

| Part Number | Ref. | Description | Quantities |
|-------------|------|--|------------|
| HEMA-ABS06 | P | Scotch Brite Abrasive Sheet* | Pack of 10 |
| HEPE-COT01 | Q | Cotton Wool* | 500g Bag |
| HEMA-L9H11 | R | Nylon 'B' Type Length Pot* | 1 |
| HEMA-L9H12 | R | Nylon D' Type Length Pot* | 1 |
| TBC | R | Nylon '25/32' Type Length Pot | 1 |
| TBC | R | Nylon '20/28' Type Length Pot | 1 |
| TBC | R | Nylon Kilian Pharma Type Length Pot | 1 |
| HEMA-L9H02 | R | Coated cast iron 'B' Type Length Pot | 1 |
| HEMA-L9H03 | R | Coated cast iron D' Type Length Pot | 1 |
| HEMA-L9H07 | R | Coated cast iron '25/32' Type Length Pot | 1 |
| HEMA-L9H08 | R | Coated cast iron '20/28' Type Length Pot | 1 |
| HEMA-L9H10 | R | Coated cast iron Kilian Pharma Type Length Pot | 1 |
| HEMA-LGH01 | S | Euronorm Length Gauge 133.600mm* | 1 |
| HEMA-LGH05 | S | Length Setting Gauge 150.00mm | 1 |
| HEMA-LGH06 | S | Length Setting Gauge 157.00mm | 1 |
| HEMA-LGH09 | S | Length Setting Gauge 125.00mm | 1 |
| HEMA-LGH04 | R | IPT Length Gauge - 133.35mm (5.25") | 1 |
| HEMA-ABS03 | T | Emery Roll P80 Grit - 25mm X 25m* | 1 |
| HEMA-ABS04 | T | Emery Roll P180 Grit - 25mm X 25m* | 1 |
| HEMA-ABS10 | T | Emery Roll P60 Grit - 25mm X 25m | 1 |
| HEMA-ABS11 | T | Emery Roll P120 Grit - 25mm X 25m | 1 |
| HEMA-ABS12 | T | Emery Roll P240 Grit - 25mm X 25m | 1 |
| HEMA-ABS13 | T | Emery Roll P320 Grit - 25mm X 25m | 1 |

* - included in kit as standard

Blue - optional replacement for standard item

Maintenance Kit Equipment

| Part Number | Ref. | Description | Quantities |
|-------------|------|---|------------|
| HEMA-EQT12 | U | U'handy Power Controller UC500 (Minitor UC503)* (kit 1 & 2) | 1 |
| HEMA-EQT13 | U | U'handy Heavy Duty Unit UM 23 & UT03 (Minitor)* | 1 |
| HEMA-EQT17 | U | U'handy Power controller UC500C (Minitor UC501C)* (kit 3 & 4) | 1 |
| HEMA-EQT15 | Ua | 3.175mm (1/8) Collet Kp-063 For UM 233* | 1 |
| HEMA-EQT16 | Ua | 3.00mm Collet Kp-062 For UM 233 | 1 |
| HEMA-EQT01 | V | Dental Motor For Polishing - 240V/50Hz* (kit 1 & 2) | 1 |
| HEMA-EQT02 | V | Dental Motor For Polishing - 110V/60Hz* (kit 3 & 4) | 1 |
| HEMA-MC** | W | Motorised Chuck Unit 120 Volt - 50Hz* (kit 3) | 1 |
| HEMA-MC** | W | Motorised Chuck Unit 120 Volt - 60Hz* (kit 4) | 1 |
| HEMA-MC** | W | Motorised Chuck Unit 240 Volt - 50Hz* (kit 1) | 1 |
| HEMA-MC** | W | Motorised Chuck Unit 240 volt - 60Hz* (kit 2) | 1 |
| HEMA-COM01 | X | Bench Comparator - Metric With Dial* | 1 |
| HEMA-COM02 | X | Bench Comparator - Imperial With Dial | 1 |

* - included in kit as standard

Blue - optional replacement for standard item

Maintenance kit - added extras

| Part Number | Description | Quantities |
|-------------|---|------------|
| HEMA-EQT14 | On/Off Footswitch For UC 503 Power Controller | 1 |
| HEBR-CUP01 | Bristle Cup Brushes 9mm Dia. | Pack of 10 |
| HEBR-CUP02 | Bristle Cup Brushes 6mm Dia. | Pack of 10 |
| HEBR-CUP03 | Bristle Cup Brushes 12mm Dia. | Pack of 10 |
| HEBR-NWB04 | Bristle Wheel Brushes 19mm | Pack of 10 |
| HEBR-NWB05 | Bristle Wheel Brushes 22mm | Pack of 10 |
| HEMA-DIA01 | C6 Dial Indicator Only - With Lever | 1 |
| HEME-VEE01 | Standard Vee Block Set E230 | 1 |
| HEME-REA01 | BB' Type Die Seat Scraper Tool | 1 |
| HEME-REA02 | 'B' Type Die Seat Scraper Tool | 1 |
| HEME-REA03 | 'D' Type Die Seat Scraper Tool | 1 |
| HEME-REA04 | 'Kilian 30 X 25' Type Die Seat Scraper Tool | 1 |
| HEME-REA05 | 'Kilian 35 X 25' Type Die Seat Scraper Tool | 1 |

Maintenance - Other

| Part Number | Description | Quantities |
|-------------|----------------------------------|------------|
| HECS-TRA01 | TSM Manual | 1 |
| HECS-EUR01 | Eurostandard | 1 |
| N/A | Training Course (1 day) | 1 |
| N/A | Maintenance Course (1 day) | 1 |
| N/A | Start to Finish Seminar (2 days) | 1 place |
| HEIT-TAB02 | iTAB - tablet design software | 1 |