

## HANDLES

### File handles.



| MSA    | Colour | Length | Ø ring | Ø handle | Ø hole | Kg    |
|--------|--------|--------|--------|----------|--------|-------|
| 18.050 | Blue   | 90 mm  | 16 mm  | 23 mm    | 4.00   | 0.025 |
| 18.051 | Red    | 100 mm | 18 mm  | 25 mm    | 5.50   | 0.033 |
| 18.052 | Black  | 110 mm | 19 mm  | 28 mm    | 7.00   | 0.043 |
| 18.053 | Green  | 120 mm | 21 mm  | 31 mm    | 9.00   | 0.055 |

File round shape plastic handle.



| MSA    | Length | Ø ring | Ø handle | Ø hole | Kg    |
|--------|--------|--------|----------|--------|-------|
| 18.100 | 80 mm  | 14 mm  | 21 mm    | 3 mm   | 0.017 |
| 18.101 | 90 mm  | 16 mm  | 22 mm    | 4 mm   | 0.022 |
| 18.102 | 100 mm | 18 mm  | 25 mm    | 4 mm   | 0.027 |
| 18.103 | 110 mm | 18 mm  | 26 mm    | 5 mm   | 0.036 |

File round shape wooden handle.



| MSA    | Length | Ø handle | Ø hole  | Kg    |
|--------|--------|----------|---------|-------|
| 18.110 | 110 mm | 10 mm    | 2.00 mm | 0.007 |
| 18.111 | 110 mm | 12 mm    | 2.00 mm | 0.009 |
| 18.112 | 110 mm | 14 mm    | 2.00 mm | 0.013 |
| 18.113 | 110 mm | 16 mm    | 2.50 mm | 0.015 |
| 18.114 | 110 mm | 18 mm    | 3.00 mm | 0.021 |
| 18.115 | 110 mm | 20 mm    | 3.50 mm | 0.027 |

File cylindrical shape wooden handle.

vallorbe  
SWISS



| UAL      | □      | ●      | ◐   | ◑      | ◒   | ◓   | L mm   | Kg    |
|----------|--------|--------|-----|--------|-----|-----|--------|-------|
| 110-BLEU | -      | 4"     | -   | 4"     | -   | -   | 94 mm  | 0.039 |
| 210-BLEU | 4-5"   | 5-6"   | -   | 5"     | -   | -   | 94 mm  | 0.041 |
| 310-BLEU | 4-6"   | -      | 4"  | 6"     | 4"  | 4"  | 94 mm  | 0.042 |
| 410-BLEU | 8"     | 8"     | 6"  | 8"     | 6"  | 6"  | 105 mm | 0.045 |
| 510-BLEU | 8-10"  | 10-12" | 8"  | 10"    | 8"  | 8"  | 105 mm | 0.052 |
| 610-BLEU | 10-12" | -      | 10" | 10-12" | 10" | 10" | 121 mm | 0.082 |
| 710-BLEU | -      | -      | 12" | -      | 12" | 12" | 130 mm | 0.094 |

Antislip plastic handle with hardened threaded insert.

vallorbe  
SWISS



| UAL | Ø      | L mm  | Kg    |
|-----|--------|-------|-------|
| 160 | 2-3 mm | 95 mm | 0.028 |
| 260 | 3-4 mm | 95 mm | 0.028 |

Precision handle for needle files.

vallorbe  
SWISS



| UAL | Ø      | L mm  | Kg    |
|-----|--------|-------|-------|
| 170 | 2-3 mm | 86 mm | 0.015 |

Handle for needle files.

vallorbe  
SWISS



| UAL |     |     |       |     |       | L mm   | Kg    |
|-----|-----|-----|-------|-----|-------|--------|-------|
| 200 | -   | -   | 4"    | -   | 4"    | 80 mm  | 0.020 |
| 400 | 6"  | 6"  | 5"    | 6"  | 5"    | 100 mm | 0.025 |
| 500 | 8"  | 8"  | 6"    | 8"  | 6"    | 115 mm | 0.040 |
| 600 | 10" | 10" | 8-10" | 10" | 8-10" | 125 mm | 0.055 |

Wooden files handle.

### Handles for ceramic fibre files.

vallorbe  
SWISS



| UALF |     | For files   | Kg    |
|------|-----|-------------|-------|
| 105  | (1) | A = 0.5 mm  | 0.010 |
| 109  |     | A = 0.9 mm  | 0.010 |
| 202  | (2) | A = 2.34 mm | 0.010 |
| 203  | (3) | A = 3.0 mm  | 0.013 |
| 301  | (4) | A = 1 mm    | 0.010 |
| 302  |     | A = 2 mm    | 0.010 |
| 304  |     | A = 4 mm    | 0.011 |

Handle for ceramic fibre files.

### Graver handles.



| MSA    | Length | Ø ring | Ø handle | Ø hole  | Kg    |
|--------|--------|--------|----------|---------|-------|
| 18.120 | 65 mm  | 12 mm  | 27 mm    | 2.50 mm | 0.014 |

Graver wooden handle.



| MSA    | Length | Ø ring | Ø handle | Ø hole  | Kg    |
|--------|--------|--------|----------|---------|-------|
| 18.130 | 40 mm  | 11 mm  | 34 mm    | 2.00 mm | 0.012 |

Graver wooden handle.



| MSA    | Length | Ø ring | Ø handle | Ø hole  | Kg    |
|--------|--------|--------|----------|---------|-------|
| 18.131 | 40 mm  | 10 mm  | 34 mm    | 2.50 mm | 0.014 |
| 18.132 | 50 mm  | 12 mm  | 34 mm    | 2.50 mm | 0.018 |

Graver wooden handle.



| MSA    | Length | Ø ring | Ø handle | Ø hole  | Kg    |
|--------|--------|--------|----------|---------|-------|
| 18.140 | 40 mm  | 10 mm  | 32 mm    | 2.50 mm | 0.013 |

Graver wooden handle.

## HANDLES



| MSA    | Length | Ø ring | Ø handle | Ø hole  | Kg    |
|--------|--------|--------|----------|---------|-------|
| 18.150 | 40 mm  | 10 mm  | 34 mm    | 2.50 mm | 0.015 |

Graver wooden handle.



| MSA    | Length | Ø ring | Ø handle | Kg    |
|--------|--------|--------|----------|-------|
| 18.200 | 70 mm  | 12 mm  | 34 mm    | 0.033 |

Graver wooden handle with 2 tightening chucks.

- Ø 0...1.60 mm
- Ø 1.60...3.00 mm.



| MSA      | Head  | Kg    |
|----------|-------|-------|
| 18.130-S | 50 mm | 0.014 |

Wooden handle for beading tools with 1 brass die Ø 2.60 mm to quickly fit the beading tool.

### Engraver handles.



| MSA    | Length | Ø ring | Ø handle | Kg    |
|--------|--------|--------|----------|-------|
| 18.203 | 75 mm  | 12 mm  | 34 mm    | 0.025 |

Engraver wooden handle with 2 tightening chucks.

- Ø 0...1.60 mm
- Ø 1.60...3.00 mm.



| MSA    | Length | Ø ring | Ø handle | Kg    |
|--------|--------|--------|----------|-------|
| 18.204 | 75 mm  | 12 mm  | 30 mm    | 0.030 |

Engraver wooden handle with 1 tightening chuck.

- Ø 1.80...3.00 mm
- Square headed chuck to tighten a tool using pliers.

### Hammer handles.



| MSA    | Length | Kg    |
|--------|--------|-------|
| 04.102 | 240 mm | 0.060 |
| 04.103 | 260 mm | 0.060 |

Wooden handle for chase hammers, with straight oval shape.



| MSA    | Length | Head       | Kg    |
|--------|--------|------------|-------|
| 04.104 | 235 mm | 11 x 11 mm | 0.035 |
| 04.105 | 245 mm | 11 x 13 mm | 0.038 |
| 04.106 | 255 mm | 11 x 14 mm | 0.042 |

Wooden handle for watchmaker hammers.