

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.

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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.

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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.

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UAL	Ø	L mm	Kg
170	2-3 mm	86 mm	0.015

Handle for needle files.

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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.

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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.

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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.