



MSA	Color	Length mm	Kg
18.050	Blue	90	0.025
18.051	Red	100	0.033
18.052	Black	110	0.043
18.053	Green	120	0.055

File plastic handle.



MSA	Length mm	Kg
18.100	80	0.017
18.101	90	0.022
18.102	100	0.027
18.103	110	0.036

File round shape wooden handle.



MSA	Handle ø mm	Length mm	Kg
18.110	10	110	0.007
18.111	12	"	0.009
18.112	14	"	0.013
18.113	16	"	0.015
18.114	18	"	0.021
18.115	20	"	0.027
18.116	25	"	0.038

File straight shape wooden handle.



MSA	Handle ø mm	Length mm	Kg
18.120	25	65	0.014
18.121	"	80	0.019

Graver wooden handle.



MSA	Head ø mm	Length mm	Kg
18.130	34	40	0.012

Graver wooden handle.



MSA	Head ø mm	Length mm	Kg
18.130-S	36	50	0.014

Wooden handle for beading tools. With a brass die ø 2.60 mm to quickly fit the beading tool.



MSA	Head ø mm	Length mm	Kg
18.131	34	40	0.014
18.132	34	50	"

Graver wooden handle.



MSA	Head ø mm	Length mm	Kg
18.140	32	40	0.013
18.141	32	50	0.014

Graver wooden handle.



MSA	Head ø mm	Length mm	Kg
18.150	34	40	0.015

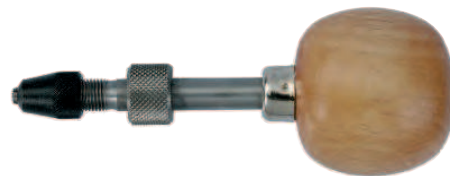
Graver wooden handle.



MSA	Head ø mm	Length mm	Kg
18.200	34	70	0.033

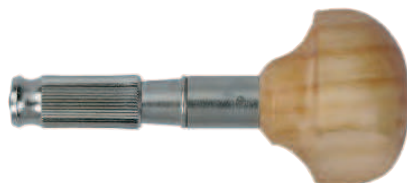
Graver wooden handle with 2 tightening chucks (1: ø 0 to 1.60 mm / 2: ø 1.60 to 3.00 mm).

## FILE AND GRAVER HANDLES



MSA	Head ø mm	Length mm	Kg
18.201	34	95	0.048

Graver wooden handle with 1 tightening chuck ø 0 to 1.80 mm.



MSA	Head ø mm	Length mm	Kg
18.202	34	90	0.025

Graver wooden handle with 1 chuck ø 0 to 2.80 mm.



MSA	Head ø mm	Length mm	Kg
18.203	34	75	0.025

Graver wooden graver handle with 2 tightening chucks (1: ø 0 to 1.60 mm / 2: ø 1.60 to 3.00 mm).



MSA	Head ø mm	Length mm	Kg
18.204	30	75	0.030

Graver wooden handle with 1 tightening chuck ø 1.80 to 3.00 mm. Square headed chuck for use with pliers.



MSA	Head ø mm	Length mm	Kg
18.205	25	90	0.031

Graver wooden handle with 1 tightening chuck ø 2.20 to 3.00 mm. Can be used on a lathe.

➤ See chapter 04,  
hammer handles page 04 3.

