

Engraving pen, scalars, lightweight hammers, chippers

ENGRAVING PEN	Weight [kg]	Length [mm]	Side to centre [mm]	Blows per minute [1/min.]	Air inlet NPT	Recommended hose size [mm]
EP50-EU	0,14	137	6	18.750	1/8"	Ø 5

Standard equipment: universal stylus EP50-516. Optional equipment (at extra price): fine point stylus EP50-515 (black), coarse point stylus EP50-517 (green), flexible hose with 1/8" NPT fittings, stylus collet EP50-514.
EP50K-EU kit includes: EP50-EU pen, three stylus, flexible hose with 1/8" NPT fittings, carrying case.

SCALERS	Handle	Weight less chisel [kg]	Overall length [mm]	Piston stroke [mm]	Bore dia. [mm]	Blows per minute [1 / min.]
172L-EU	straight / lever	1,7	194	14	24	5500
182G-EU	grip	2,4	325	27	24	4000
182L-EU ¹⁾	straight / lever	1,8	229	27	24	4000





NEEDLE SCALERS

172LNA1-EU	straight / lever	2,4	349	14	24	5500
182LNA1-EU ¹⁾	straight / lever	2,6	381	27	24	4000

¹⁾ - 182K-EU kit includes: ♦ carrying case, ♦ 182L-EU scaler, ♦ NS11A needle attachment, ♦ NS11-122-19 set of extended needles, ♦ NS11-22-19 set of replacement needles
 ♦ WF-14A-6 1/8 angle chisel, ♦ WF-14F-7 flat chisel, ♦ WF-14B-6 1/8 straight chisel

NEEDLE ATTACHMENTS

Optional equipment at extra price	127mm (5") steel needles	127mm (5") beryllium copper needles	127mm (5") stainless steel needles	178mm (7") extended steel needles
Round needle housing ●	NS11A	NS11AB	NS11AS	NS11A7
Replacement needles (19 pcs.)	NS11-22-19	NS11-B22-19	NS11-S22-19	NS11-122-19

Flat chisel	Straight chisel	Angle chisel	Gouge chisel
 WF-14F-7	 WF-14B-6 1/8	 WF-14A-6 1/8	 WF-14G-6

UTILITY AIR HAMMERS	Weight less accessory [kg]	Length less accessory [mm]	Piston stroke [mm]	Blows per minute [1/min.]	Bore diameter [mm]	Shank opening [mm]
121/Q-EU	1,6	187	57	3000	19	● 10,2 mm
121/QH-EU	1,6	187	57	3000	19	● 10 mm

Standard equipment: "Quick change" tool retainer AVC10-183A.

Optional equipm. for hammer	Straight chisel	Straight chisel	Punch	Edging tool	Concave face chisel	Beehive retainer
121/Q	116-66	MC-68	MC-70	MC121-88	MC121-76	AVC1-83
121/QH	MC66H	MC-68H	MC-70H	MC121-88H	MC121-76H	AVC1-83

Model	Weight [kg]	Length [mm]	Piston stroke [mm]	Bore diameter [mm]	Blows per minute [1/min.]
9001-EU	11,2	572	229	27	900

Optional chisels: 9001-297-12 (moil point), 9001-276-12 (narrow)

Chisel shank ● 14,7	Chisel shank ● 17,3	Weight [kg]	Length [mm]	Piston stroke [mm]	Bore diameter [mm]	Blows per minute [1/min.]

CHIPPERS WITH RUBBER RETAINERS

W1A1-EU	W1A2-EU	6,7	403	25	28	2500
W2A1-EU	W2A2-EU	7,0	416	51	28	2300
W3A1-EU	---	7,5	464	76	28	1725
W4A1-EU	---	7,9	489	102	28	1480

CHIPPERS WITH PLAIN ARROW RETAINERS

K2LA1SA-EU	K2LA2SA-EU	3,6	305	44	22	3600
1A1SA-EU	1A2SA-EU	6,7	394	25	28	2500
2A1SA-EU	2A2SA-EU	6,9	406	51	28	2300
3A1SA-EU	3A2SA-EU	7,5	454	76	28	1725
4A1SA-EU	4A2SA-EU	7,9	480	102	28	1480

Length [mm]	Optional equipment for chippers with round shank chisels				Optional equipment for chippers with hexagonal shank chisels			
	round collar (W1, W2, W3, W4)	Moil point	oval collar (K2L, 1, 2, 3, 4)	Moil point	round collar (W1, W2, W3, W4)	Moil point	oval collar (K2L, 1, 2, 3, 4)	Moil point
305	H3R-215F-12	H3R-215M-12	HH1-215F-12	HH1-215M-12	H3R-214F-12	H3R-214M-12	HH1-214F-12	HH1-214M-12
457	H3R-215F-18	---	HH1-215F-18	HH1-215M-18	H3R-214F-18	H3R-214M-18	HH1-214F-18	HH1-214M-18
610	H3R-215F-24	---	HH1-215F-24	HH1-215M-24	H3R-214F-24	H3R-214M-24	HH1-214F-24	HH1-214M-24

Specification for all tools at 620 kPa. All hammers: air inlet – 1/4" NPT, recommended hose size – 8 mm (13 mm for chippers).

