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VALLORBE® Swiss Made files.

FOR THE GOOD USE OF THE CATALOG

MAIN DIMENSIONS

Length = L

The measuring points for length (L) vary from one type of file to another. It is therefore necessary to refer to the diagram.

Width x thickness = A x B

Width and thickness are given by :

- A = as a rule length or diameter
- B = mainly thickness.

For the items ULA, ULE, ULP, ULH, ULR and ULO the dimensions are always measured at the widest uncut section.

For the items URA, ULAC, ULEC, UDA, UDR and UDH the dimensions are measured at the widest cut section and these are average values which depend on the number of the cut.

All the dimensions A and B mentioned in this catalogue are given in mm, they have only an indicative value.

SCALE OF CUTS

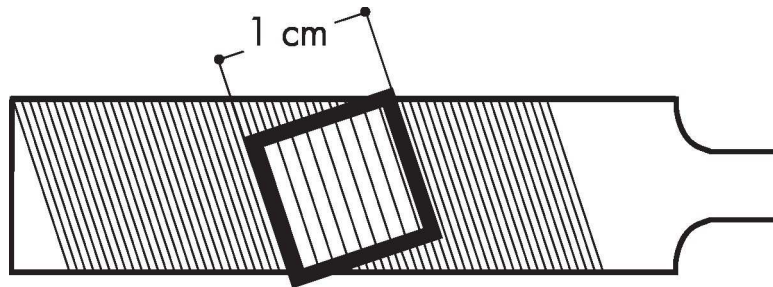
To determinate number of teeth [Z/cm]

The number of teeth (Z/cm) is obtained by counting perpendicularly to the cut.

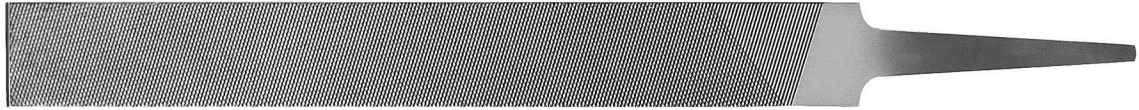
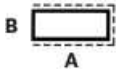
In the following table the figures correspond to the number of teeth per cm, for a given length and type of file.

For example, a file 6" in cut 2, shows 31 Z/cm.

The higher the number of teeth, the finer the file (No. 00 = very coarse / No. 10 = very fine).

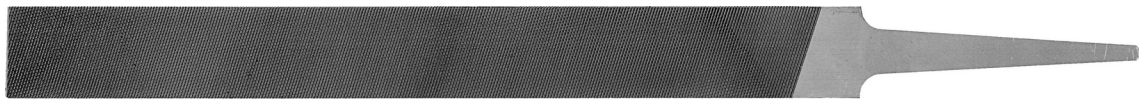
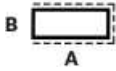


File type	000	00	0	1	2	3	4	5	6	7	8	10
Precision files, lengths 1" to 3.5"	-	20	25	31	38	46	55	68	84	100	116	-
Precision files, lengths 4" to 8"	12	16	20	25	31	38	46	56	68	-	-	-
Precision files, lengths 4" to 8"	9	12	16	20	25	31	38	(46)	(56)	-	-	-
Needle files	-	20	25	31	38	46	56	68	84	-	-	-
Escapement files	-	20	25	31	38	46	56	68	84	100	116	156
Rifflers 150 mm	-	-	25	-	38	-	-	-	-	-	-	-
Rifflers 180-300 mm	-	-	16	-	25	-	-	-	-	-	-	-
HABILIS® files	-	18	21	25	31	-	-	-	-	-	-	-



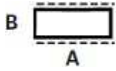
ULP1163 Hand

ULP	000	00	0	1	2	3	4	5	6	L mm	AxB mm
1163-4	-	1163-4-00	1163-4-0	1163-4-1	1163-4-2	1163-4-3	1163-4-4	-	1163-4-6	100	12.5 x 3.0
1163-6	1163-6-000	1163-6-00	1163-6-0	1163-6-1	1163-6-2	1163-6-3	1163-6-4	1163-6-5	1163-6-6	150	18.5 x 4.0
1163-8	1163-8-000	1163-8-00	1163-8-0	1163-8-1	1163-8-2	1163-8-3	1163-8-4	-	-	200	21.3 x 4.8
1163-10	1163-10-000	1163-10-00	1163-10-0	1163-10-1	1163-10-2	1163-10-3	-	-	-	250	25.3 x 6.3
1163-12	1163-12-000	1163-12-00	1163-12-0	1163-12-1	1163-12-2	-	-	-	-	300	29.3 x 7.8



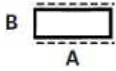
ULP1168 Thin hand

ULP	00	0	1	2	L mm	AxB mm
1168-5	-	1168-5-0	-	-	125	14.5 x 1.7
1168-6	1168-6-00	1168-6-0	1168-6-1	1168-6-2	150	16.5 x 2.0



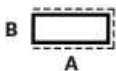
ULP1166 Chequering hand

ULP	00	0	1	2	L mm	AxB mm
1166-6	1166-6-00	1166-6-0	1166-6-1	1166-6-2	150	19.0 x 5.2
1166-8	-	1166-8-0	1166-8-1	1166-8-2	200	22.0 x 5.2



ULP1132 Pillar, 2 sides

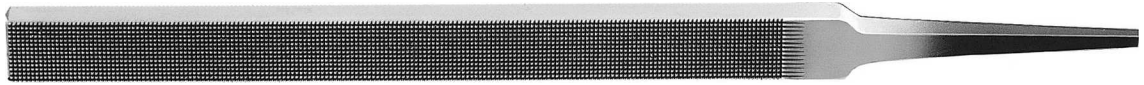
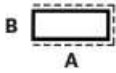
ULP	00	0	1	2	3	4	6	L mm	AxB mm
1132-4	1132-4-00	1132-4-0	-	1132-4-2	-	1132-4-4	-	100	9.5 x 2.5
1132-6	1132-6-00	1132-6-0	1132-6-1	1132-6-2	1132-6-3	1132-6-4	1132-6-6	150	12.0 x 4.0
1132-8	1132-8-00	1132-8-0	1132-8-1	1132-8-2	1132-8-3	1132-8-4	-	200	14.5 x 4.5
1132-10	1132-10-00	1132-10-0	1132-10-1	1132-10-2	-	-	-	250	17.5 x 5.3
1132-12	1132-12-00	1132-12-0	-	-	-	-	-	300	19.3 x 6.3



ULP1133 Pillar, 3 sides

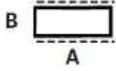
ULP	00	0	1	2	3	4	5	L mm	AxB mm
1133-4	1133-4-00	-	1133-4-1	1133-4-2	-	1133-4-4	1133-4-5	100	9.5 x 2.5
1133-6	1133-6-00	1133-6-0	1133-6-1	1133-6-2	1133-6-3	-	-	150	12.0 x 4.0
1133-8	1133-8-00	1133-8-0	1133-8-1	1133-8-2	-	-	-	200	14.5 x 4.5
1133-10	1133-10-00	1133-10-0	1133-10-1	1133-10-2	-	-	-	250	17.5 x 5.3

PRECISION FILES - ULP



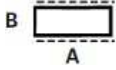
ULP1138 Thin Pillar

ULP	00	0	1	2	L mm	AxB mm
1138-6	1138-6-00	1138-6-0	1138-6-1	1138-6-2	150	10.5 x 2.4



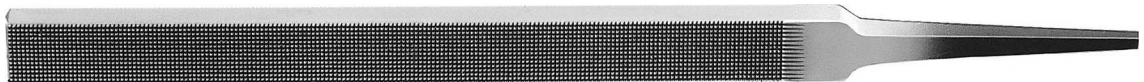
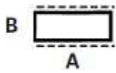
ULP1142 Slim pillar

ULP	00	0	1	2	3	4	6	L mm	AxB mm
1142-6	1142-6-00	1142-6-0	1142-6-1	1142-6-2	1142-6-3	1142-6-4	1142-6-6	150	6.5 x 3.0
1142-8	1142-8-00	1142-8-0	1142-8-1	1142-8-2	-	1142-8-4	-	200	8.3 x 3.5
1142-10	-	1142-10-0	-	1142-10-2	-	-	-	250	9.3 x 4.3



ULP1152 Extra-slim pillar

ULP	00	0	1	2	4	6	L mm	AxB mm
1152-4	1152-4-00	1152-4-0	-	1152-4-2	-	-	100	3.7 x 1.7
1152-6	1152-6-00	1152-6-0	1152-6-1	1152-6-2	1152-6-4	1152-6-6	150	4.5 x 2.5
1152-8	1152-8-00	1152-8-0	1152-8-1	1152-8-2	-	-	200	6.3 x 2.8
1152-10	1152-10-00	1152-10-0	-	1152-10-2	-	-	250	8.3 x 3.8



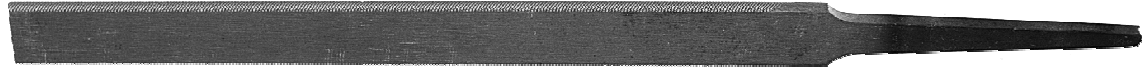
ULP1136 Chequering pillar

ULP	00	0	1	2	4	L mm	AxB mm
1136-6	1136-6-00	1136-6-0	1136-6-1	1136-6-2	1136-6-4	150	12.4 x 4.5



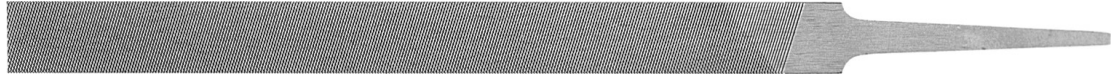
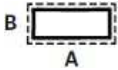
ULP1170 Joint file, rouns edges

ULP	2	L mm	A mm
1170-4	1170-4-2-0.3	100	10
1170-4	1170-4-2-0.4	100	10
1170-4	1170-4-2-0.5	100	10
1170-4	1170-4-2-0.6	100	10



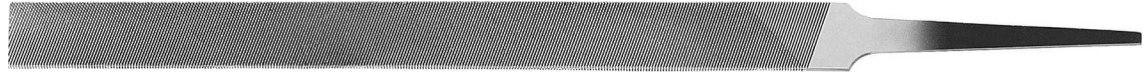
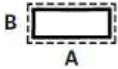
ULP1171 Joint file, rounds edges

ULP	2	L mm	A mm
1171-4	1171-4-2-0.7	100	10
1171-4	1171-4-2-0.8	100	10
1171-4	1171-4-2-0.9	100	10
1171-4	1171-4-2-1	100	10
1171-4	1171-4-2-1.1	100	10
1171-4	1171-4-2-1.2	100	10
1171-4	1171-4-2-1.5	100	10
1171-4	1171-4-2-2	100	10



ULP1180 Equalling

ULP	0	1	2	L mm	AxB mm
1180-4	1180-4-0-2	-	1180-4-2-2	100	10.0 x 2.0
1180-5	-	1180-5-1-1.7	-	125	12.0 x 1.7
1180-6	1180-6-0-2	-	1180-6-2-2	150	13.0 x 2.0
1180-6	1180-6-0-2.8	-	1180-6-2-2.8	150	13.0 x 2.8
1180-8	1180-8-0-3.2	-	1180-8-2-3.2	200	16.0 x 3.2



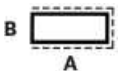
ULP1185 Equalling special

ULP	2	4	L mm	AxB mm
1185-4	1185-4-2-20	-	100	10.0 x 0.91
1185-4	1185-4-2-21	-	100	10.0 x 0.81
1185-4	1185-4-2-24	-	100	10.0 x 0.56
1185-4	1185-4-2-26	-	100	10.0 x 0.46
1185-4	1185-4-2-28	-	100	10.0 x 0.38
1185-4	-	1185-4-4-30	100	10.0 x 0.31



ULP1230 Crochet

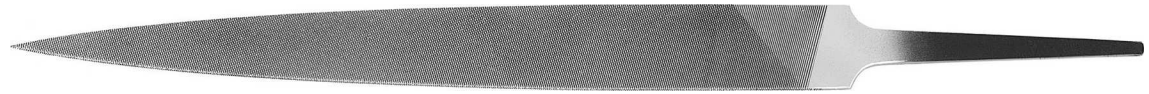
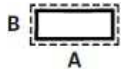
ULP	0	1	2	L mm	AxB mm
1230-4	-	-	1230-4-2	100	7.5 x 2.2
1230-6	1230-6-0	1230-6-1	1230-6-2	150	10.0 x 3.1
1230-8	1230-8-0	-	-	200	12.5 x 4.2



ULP1263 Warding

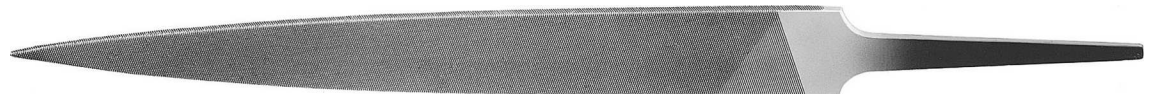
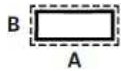
ULP	0	2	4	L mm	AxB mm
1263-6-0	1263-6-0	1263-6-2	1263-6-4	150	15.4 x 3.5

PRECISION FILES - ULP



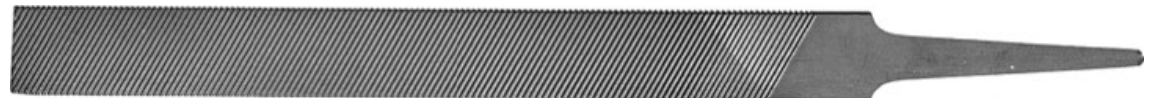
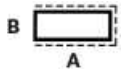
ULP1265 Warding special

ULP	0	L mm	AxB mm
1265-6	1265-6-0-16	150	15.4 x 1.65



ULP1268 Warding thin

ULP	000	00	0	2	4	L mm	AxB mm
1268-4	-	-	1268-4-0	1268-4-2	-	100	12.4 x 1.0
1268-6	1268-6-000	1268-6-00	1268-6-0	1268-6-2	1268-6-4	150	15.4 x 1.7



ULP1312 Flat for aluminium

ULP	0	L mm	AxB mm
1312-6	1312-6-0	150	15.5 x 3.5
1312-8	1312-8-0	200	21.3 x 4.8
1312-10	1312-10-0	250	25.3 x 6.3



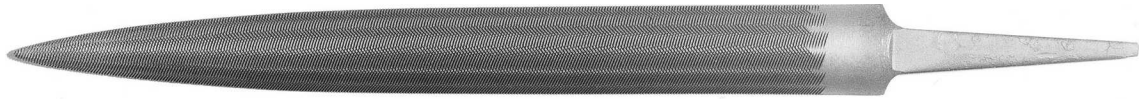
ULP1352 Halfround for aluminium

ULP	0	L mm	AxB mm
1352-6	1352-6-0	150	18.4 x 5.2
1352-10	1352-10-0	250	25.5 x 7.5



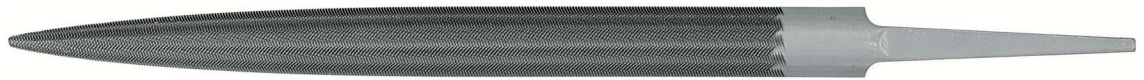
ULP1540 Double halfround for wax

ULP	L mm	AxB mm
1540-6	150	12.5 x 3.5
1540-8	200	13.5 x 4.0



ULP1560 Halfround

ULP	000	00	0	1	2	3	4	5	6	L mm	AxB mm
1560-4	-	1560-4-00	1560-4-0	1560-4-1	1560-4-2	1560-4-3	1560-4-4	-	-	100	12.7 x 3.5
1560-5	-	1560-5-00	1560-5-0	1560-5-1	1560-5-2	1560-5-3	1560-5-4	1560-5-5	1560-5-6	125	13.1 x 4.1
1560-6	1560-6-000	1560-6-00	1560-6-0	1560-6-1	1560-6-2	1560-6-3	1560-6-4	1560-6-5	1560-6-6	150	15.1 x 4.7
1560-8	1560-8-000	1560-8-00	1560-8-0	1560-8-1	1560-8-2	1560-8-3	1560-8-4	-	-	200	21.1 x 6.3
1560-10	-	1560-10-00	1560-10-0	1560-10-1	-	-	-	-	-	250	25.5 x 7.5



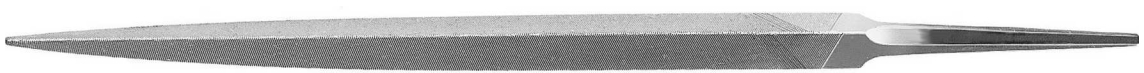
ULP1566 Halfround slim for rings

ULP	000	00	0	1	2	3	4	5	L mm	AxB mm
1566-6	-	1566-6-00	1566-6-0	1566-6-1	1566-6-2	1566-6-3	1566-6-4	1566-6-5	150	12.7 x 3.5
1566-8	1566-8-000	-	1566-8-0	1566-8-1	-	-	-	-	200	15.5 x 4.5
1566-10	-	1566-10-00	1566-10-0	-	1566-10-2	-	-	-	250	15.5 x 4.5



ULP1567 Halfround extra-slim

ULP	0	2	4	L mm	AxB mm
1567-6	1567-6-0	1567-6-2	1567-6-4	150	9.8 x 2.8



ULP1360 Triangular

ULP	000	00	0	1	2	3	4	L mm	A mm
1360-4	-	-	-	-	1360-4-2	-	-	100	7.5
1360-5	-	-	1360-5-0	-	-	-	-	125	8.3
1360-6	1360-6-000	1360-6-00	1360-6-0	1360-6-1	1360-6-2	1360-6-3	1360-6-4	150	10.3
1360-7	-	-	-	-	-	-	1360-7-4	175	12.2
1360-8	1360-8-000	1360-8-00	1360-8-0	1360-8-1	1360-8-2	-	1360-8-4	200	14.2
1360-10	-	1360-10-00	-	1360-10-1	-	-	-	250	17.2



ULP1366 Triangular narrow

ULP	00	0	1	2	3	L mm	A mm
1366-4	1366-4-00	-	1366-4-1	1366-4-2	-	100	5.8
1366-6	-	1366-6-0	1366-6-1	1366-6-2	1366-6-3	150	8.3



ULP1367 Triangular extra narrow

ULP	0	2	L mm	A mm	Kg
1367-6	1367-6-0	1367-6-2	150	7.5	0.026



ULP1660 Round regular pointed

ULP	1	2	3	4	6	L mm	A mm
1660-4	-	1660-4-2	-	1660-4-4	-	100	3.9
1660-5	-	1660-5-2	-	-	-	150	5.9
1660-6	1660-6-1	1660-6-2	1660-6-3	1660-6-4	1660-6-6	150	5.9
1660-8	1660-8-1	1660-8-2	-	1660-8-4	-	200	7.8



ULP1667 Round extra narrow

ULP	0	1	L mm	A mm
1667-3	-	1667-3-1	75	1.5
1667-6	1667-6-0	-	150	3.9



ULP1669 Round cylindrical

ULP	0	2	3	L mm	A mm
1669-4	-	-	1669-4-3-1.0	100	1.0
1669-4	1669-4-0-1.6	1669-4-2-1.6	-	100	1.6
1669-4	1669-4-0-3	1669-4-2-3	-	100	3.0
1669-6	1669-6-0-2.4	1669-6-2-2.4	-	150	2.4
1669-6	1669-6-0-3.2	1669-6-2-3.2	-	150	3.2
1669-6	1669-6-0-4	1669-6-2-4	-	150	4.0
1669-6	1669-6-0-4.8	1669-6-2-4.8	-	150	4.8



ULP1670 Round

ULP	000	00	0	1	L mm	A mm
1670-4	-	1670-4-00	1670-4-0	-	100	3.9
1670-5	-	1670-5-00	1670-5-0	-	125	4.8
1670-6	1670-6-000	1670-6-00	1670-6-0	-	150	5.8
1670-8	1670-8-000	1670-8-00	1670-8-0	-	200	7.5
1670-10	1670-10-000	-	1670-10-0	1670-10-1	250	9.4



ULP1680 Round seconds hole

ULP	2	4	L mm	A mm
1680-1.5	1680-1.5-2	-	38	1.0
1680-2	1680-2-2	1680-2-4	50	1.0
1680-2.5	1680-2.5-2	-	63	1.6



ULP1464 Square pointed

ULP	1	2	3	L mm	A mm
1464-6	1464-6-1	1464-6-2	1464-6-3	150	5.5
1464-8	1464-8-1	1464-8-2	-	200	7.5



ULP1474 Square blunt



ULP	000	00	0	1	L mm	A mm
1474-4	-	1474-4-00	1474-4-0	-	100	3.6
1474-6	1474-6-000	1474-6-00	1474-6-0	-	150	5.5
1474-8	1474-8-000	1474-8-00	1474-8-0	-	200	7.5
1474-10	-	1474-10-00	1474-10-0	1474-10-1	250	9.4



ULP1480 Square seconds hole



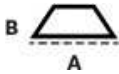
ULP	4	L mm	A mm
1480-2	1480-2-4	50	1.0



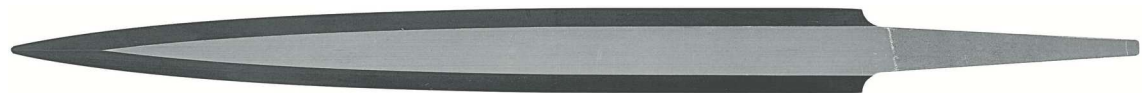
ULP1040 Slotting



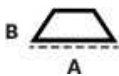
ULP	00	0	L mm	A mm
1040-8	1040-8-00	1040-8-0	200	7.5 x 7.5
1040-10	1040-10-00-10	1040-10-0-10	250	9.5 x 9.5



ULP1060 Barrette



ULP	00	0	1	2	3	4	L mm	AxB mm
1060-4	1060-4-00	1060-4-0	1060-4-1	1060-4-2	-	-	100	12.4 x 2.6
1060-5	-	-	-	1060-5-2	-	-	125	14.0 x 3.0
1060-6	1060-6-00	1060-6-0	1060-6-1	1060-6-2	1060-6-3	1060-6-4	150	15.5 x 3.5
1060-8	1060-8-00	1060-8-0	1060-8-1	-	-	-	200	21.5 x 5.0



ULP1060HD Hot die barrette



ULP	00	L mm	AxB mm
1060-HD-	1060HD-3-00	75	9.0 x 2.0



ULP1061 Special Barrette



ULP	1	4	6	L mm	AxB mm
1061-3	1061-3-1	1061-3-4	1061-3-6	75	9.0 x 1.8

PRECISION FILES - ULP



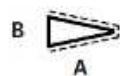
ULP1061 Hot die barrette

ULP	00	L mm	AxB mm
1062-4	1062-4-00	100	12.4 x 2.6



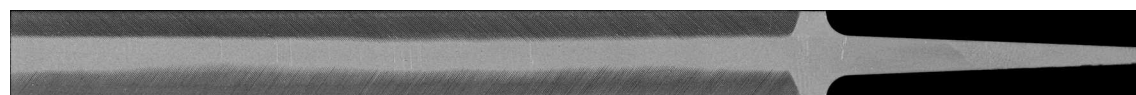
ULP1730 Pippin

ULP	2	4	L mm	AxB mm
1730-6	1730-6-2	1730-6-4	150	10.0 x 4.4



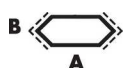
ULP1760 Knife

ULP	00	0	1	2	L mm	AxB mm
1760-4	-	-	-	1760-4-2	100	12.4 x 2.8
1760-6	1760-6-00	1760-6-0	-	1760-6-2	150	17.9 x 3.5
1760-8	1760-8-00	1760-8-0	1760-8-1	1760-8-2	200	22.0 x 4.2



ULP1840 Screwhead with tang

ULP	00	1	2	3	4	6	L mm	A mm
1840-3	-	-	1840-3-2	1840-3-3	1840-3-4	1840-3-6	75	9.0



ULP1850 Screwhead without tang

ULP	4	5	6	8	L mm	A mm
1850-3	1850-3-4	1850-3-5	1850-3-6	1850-3-8	75	9.0



ULP1960 Crossing

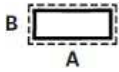
ULP	00	0	1	2	3	4	6	L mm	AxB mm
1960-3.5	-	-	-	1960-3.5-2	-	-	-	90	10.2 x 2.9
1960-4	-	1960-4-0	-	1960-4-2	-	1960-4-4	-	100	11.9 x 3.6
1960-6	1960-6-00	1960-6-0	1960-6-1	1960-6-2	1960-6-3	1960-6-4	1960-6-6	150	14.8 x 5.0
1960-8	1960-8-00	1960-8-0	1960-8-1	1960-8-2	-	-	-	200	21.3 x 6.3



ULP1990 Oval



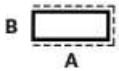
ULP	0	2	L mm	AxB mm
1990-6	1990-6-0	1990-6-2	150	8.6 x 4.4



ULP1292 Warding



ULP	0	2	L mm	AxB mm
1292-6	1292-6-0	1292-6-2	150	10.5 x 2.4



ULP5070 Hand Multifile



ULP	L mm	AxB mm
5070-8	200	21.3 x 4.8
5070-10	250	25.3 x 6.3
5070-12	300	29.3 x 7.8



ASSORTMENT

ULP	Kg
1094	0.250

Set of 5 files.

ULP1560 - ULPV1132 - ULP1660 - ULP1060 - ULP1360



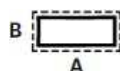
ASSORTMENT

ULP	Kg
1095	1.550

Set of 37 files for mechanics.

ULR12918-2 - ULP1163-8-000 - ULP1133-8-2 - ULP1263-6-2 - ULP1560-6-4 - ULP1560-8-4 - ULP1960-4-2 - ULP1960-8-1 - ULP1730-6-2 - ULP1670-6-0 - ULP1670-8-00 - ULP1464-6-2 - ULP1474-8-0 - ULP1360-6-00 - ULP1360-8-00 - ULP1060-8-1 - ULA2401-180-2 - ULA2402-180-0 - ULA2403-160-2 - ULA2405-160-0 - ULA2406-160-00 - ULA2409-160-2 - ULA2410-180-0 - ULA2411-160-1 - ULR12711-2 - ULR12741-2 - ULR12781-0 - ULR12790-2 - ULR12901-2 - ULR12985-0 - ULO0653-4 - ULH2601-00 - ULH2602-00 - ULH2607-00 - ULH2608-00 - ULH2610-00 - ULH9602-0

Needle files.



ULA2401 Pillar

ULA	00	0	1	2	3	4	6	L mm	AxB mm
2401-100	-	2401-100-0	2401-100-1	2401-100-2	2401-100-3	2401-100-4	-	100	3.1 x 0.9
2401-140	-	2401-140-0	2401-140-1	2401-140-2	2401-140-3	2401-140-4	2401-140-6	140	4.8 x 1.05
2401-160	2401-160-00	2401-160-0	2401-160-1	2401-160-2	2401-160-3	2401-160-4	2401-160-6	160	5.4 x 1.2
2401-180	2401-180-00	2401-180-0	2401-180-1	2401-180-2	2401-180-3	2401-180-4	2401-180-6	180	6.0 x 1.3
2401-200	2401-200-00	2401-200-0	2401-200-1	2401-200-2	2401-200-3	2401-200-4	-	200	6.5 x 1.35



ULA2402 Halfround

ULA	00	0	1	2	3	4	6	L mm	AxB mm
2402-100	-	2402-100-0	2402-100-1	2402-100-2	2402-100-3	2402-100-4	-	100	4.0 x 1.45
2402-140	-	2402-140-0	2402-140-1	2402-140-2	2402-140-3	2402-140-4	-	140	5.0 x 1.7
2402-160	2402-160-00	2402-160-0	2402-160-1	2402-160-2	2402-160-3	2402-160-4	2402-160-6	160	5.5 x 1.85
2402-180	2402-180-00	2402-180-0	2402-180-1	2402-180-2	2402-180-3	2402-180-4	-	180	5.9 x 2.05
2402-200	2402-200-00	2402-200-0	2402-200-1	2402-200-2	2402-200-3	2402-200-4	-	200	6.3 x 2.2



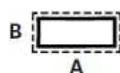
ULA2403 Crossing

ULA	0	1	2	3	4	6	L mm	AxB mm
2403-100	-	-	2403-100-2	2403-100-3	2403-100-4	-	100	3.5 x 1.45
2403-140	2403-140-0	2403-140-1	2403-140-2	-	2403-140-4	-	140	4.5 x 1.95
2403-160	2403-160-0	2403-160-1	2403-160-2	-	2403-160-4	2403-160-6	160	5.1 x 2.1
2403-180	2403-180-0	2403-180-1	2403-180-2	-	2403-180-4	-	180	5.7 x 2.3
2403-200	2403-200-0	2403-200-1	2403-200-2	2403-200-3	2403-200-4	-	200	6.0 x 2.3



ULA2405 Knife

ULA	0	1	2	3	4	6	L mm	AxB mm
2405-100	-	2405-100-1	2405-100-2	2405-100-3	2405-100-4	-	100	4.0 x 1.1
2405-140	2405-140-0	2405-140-1	2405-140-2	-	2405-140-4	-	140	5.0 x 1.4
2405-160	2405-160-0	2405-160-1	2405-160-2	-	2405-160-4	2405-160-6	160	5.4 x 1.5
2405-180	2405-180-0	2405-180-1	2405-180-2	-	-	-	180	6.0 x 1.7
2405-200	2405-200-0	2405-200-1	2405-200-2	2405-200-3	2405-200-4	-	200	6.4 x 1.8



ULA2406 Warding

ULA	00	0	1	2	3	4	6	L mm	AxB mm
2406-100	-	-	-	2406-100-2	2406-100-3	2406-100-4	-	100	3.5 x 0.8
2406-140	-	2406-140-0	2406-140-1	2406-140-2	2406-140-3	2406-140-4	-	140	4.8 x 1.1
2406-160	2406-160-00	2406-160-0	2406-160-1	2406-160-2	2406-160-3	2406-160-4	2406-160-6	160	5.4 x 1.2
2406-180	-	2406-180-0	2406-180-1	2406-180-2	-	2406-180-4	-	180	6.0 x 1.25
2406-200	-	2406-200-0	2406-200-1	2406-200-2	-	2406-200-4	-	200	6.5 x 1.35



ULA2407 Triangular



ULA	00	0	1	2	3	4	6	L mm	A mm
2407-100	-	2407-100-0	2407-100-1	2407-100-2	2407-100-3	2407-100-4	-	100	2.9
2407-140	-	2407-140-0	2407-140-1	2407-140-2	2407-140-3	2407-140-4	2407-140-6	140	3.6
2407-160	2407-160-00	2407-160-0	2407-160-1	2407-160-2	2407-160-3	2407-160-4	2407-160-6	160	3.9
2407-180	2407-180-00	2407-180-0	2407-180-1	2407-180-2	2407-180-3	2407-180-4	-	180	4.3
2407-200	2407-200-00	2407-200-0	2407-200-1	2407-200-2	2407-200-3	2407-200-4	-	200	4.5



ULA2408 Square



ULA	00	0	1	2	3	4	6	L mm	A mm
2408-100	-	2408-100-0	2408-100-1	2408-100-2	2408-100-3	2408-100-4	-	100	1.7
2408-140	-	2408-140-0	2408-140-1	2408-140-2	2408-140-3	2408-140-4	-	140	2.2
2408-160	2408-160-00	2408-160-0	2408-160-1	2408-160-2	2408-160-3	2408-160-4	2408-160-6	160	2.4
2408-180	2408-180-00	2408-180-0	2408-180-1	2408-180-2	2408-180-3	2408-180-4	-	180	2.6
2408-200	2408-200-00	2408-200-0	2408-200-1	2408-200-2	2408-200-3	2408-200-4	-	200	2.8



ULA2409 Oval



ULA	0	1	2	4	L mm	AxB mm
2409-140	2409-140-0	2409-140-1	2409-140-2	2409-140-4	140	3.4 x 2.35
2409-160	2409-160-0	2409-160-1	2409-160-2	2409-160-4	160	3.8 x 2.55
2409-180	2409-180-0	-	2409-180-2	-	180	4.1 x 2.8
2409-200	2409-200-0	-	-	-	200	4.3 x 3.0



ULA2410 Round



ULA	00	0	1	2	3	4	6	L mm	A mm
2410-100	-	2410-100-0	2410-100-1	2410-100-2	2410-100-3	2410-100-4	-	100	2.1
2410-140	2410-140-00	2410-140-0	2410-140-1	2410-140-2	2410-140-3	2410-140-4	2410-140-6	140	2.8
2410-160	2410-160-00	2410-160-0	2410-160-1	2410-160-2	2410-160-3	2410-160-4	2410-160-6	160	2.9
2410-180	2410-180-00	2410-180-0	2410-180-1	2410-180-2	2410-180-3	2410-180-4	-	180	3.2
2410-200	2410-200-00	2410-200-0	2410-200-1	2410-200-2	2410-200-3	2410-200-4	-	200	3.5



ULA2411 Barrette



ULA	00	0	1	2	3	4	6	L mm	AxB mm
2411-100	-	2411-100-0	2411-100-1	2411-100-2	2411-100-3	2411-100-4	-	100	3.7 x 1.4
2411-140	-	2411-140-0	2411-140-1	2411-140-2	2411-140-3	2411-140-4	-	140	4.7 x 1.7
2411-160	2411-160-00	2411-160-0	2411-160-1	2411-160-2	2411-160-3	2411-160-4	2411-160-6	160	5.1 x 1.8
2411-180	2411-180-00	2411-180-0	2411-180-1	2411-180-2	2411-180-3	2411-180-4	-	180	5.4 x 2.0
2411-200	2411-200-00	2411-200-0	2411-200-1	2411-200-2	2411-200-3	2411-200-4	-	200	5.8 x 2.2



ULA2414 Slitting

ULA	0	1	2	3	4	6	L mm	AxB mm
2414-140	2414-140-0	2414-140-1	2414-140-2	2414-140-3	2414-140-4	-	140	5.5 x 1.9
2414-160	2414-160-0	2414-160-1	2414-160-2	-	2414-160-4	2414-160-6	160	6.1 x 2.1



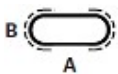
ULA2415 Crochet

ULA	0	1	2	4	6	L mm	AxB mm
2415-140	2415-140-0	2415-140-1	2415-140-2	2415-140-4	-	140	4.8 x 1.25
2415-160	2415-160-0	2415-160-1	2415-160-2	2415-160-4	2415-160-6	160	5.4 x 1.35
2415-180	2415-180-0	-	2415-180-2	-	-	180	5.9 x 1.45
2415-200	2415-200-0	-	-	-	-	200	6.5 x 1.55



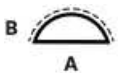
ULA2416 Pillar round edges

ULA	0	1	2	4	L mm	AxB mm
2416-140	2416-140-0	2416-140-1	2416-140-2	2416-140-4	140	4.8 x 1.25
2416-160	2416-160-0	2416-160-1	2416-160-2	2416-160-4	160	5.4 x 1.35
2416-180	2416-180-0	-	2416-180-2	-	180	6.0 x 1.45
2416-200	2416-200-0	2416-200-1	-	-	200	6.5 x 1.55



ULA2417 Joint round edges

ULA	0	2	4	L mm	AxB mm
2417-140	-	2417-140-2	-	100	3.8 x 1.05
2417-140	-	-	2417-140-4	140	4.8 x 1.25
2417-160	2417-160-0	2417-160-2	2417-160-4	160	5.4 x 1.35



ULA2418 Halfround, cut on back only

ULA	0	2	4	L mm	AxB mm
2418-140	2418-140-0	2418-140-2	2418-140-4	140	5.0 x 1.7
2418-160	2418-160-0	2418-160-2	2418-160-4	160	5.5 x 1.85



ULA2420 For contact

ULA	0	2	L mm	AxB mm
2420-130	2420-130-0	2420-130-2	130	8.0 x 0.9



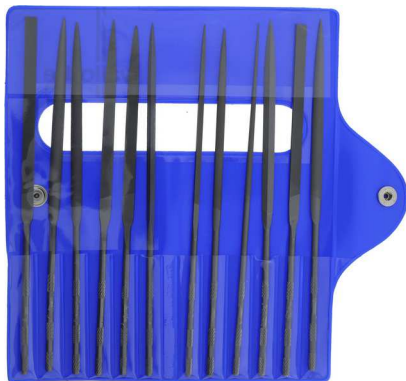
ULA2423 Round extra slim

ULA	1	2	L mm	A mm
2423-100	2423-100-1	2423-100-2	100	1.0



ULA2424 Hot die barrette

ULA	0	1	L mm	AxB mm
2424-140	-	2424-140-1	140	4.7 x 1.7
2424-160	2424-160-0	-	160	5.1 x 1.8



ASSORTMENT

ULA	L mm	Kg
2400-A	160	0.111

Assortment of 12 needle files ULA2400-A :

ULA2401-160-4 - ULA2402-160-4 - ULA2403-160-4 - ULA2405-160-4 -
 ULA2406-160-3 - ULA2407-160-4 - ULA2408-160-4 - ULA2409-160-4 -
 ULA2410-160-4 - ULA2411-160-4 - ULA2416-160-2 - ULA2418-160-2

NEEDLE FILES - ULA / MICRO-FILES - ULM



ASSORTMENT

ULA	0	1	2	4	L mm	Kg
2442	2442-140-0	2442-140-1	2442-140-2	-	140	0.033
2443	2443-160-0	-	2443-160-2	2443-160-4	160	0.045
2444	2444-180-0	-	2444-180-2	-	180	0.061
2445	2445-200-0	-	2445-200-2	-	200	0.088

Assortment of 6 needle files ULA244 :

ULA2401 - ULA2402 - ULA2407 - ULA2408 - ULA2410 - ULA2411



ASSORTMENT

ULA	0	1	2	4	A	L mm	Kg
2482	2482-140-0	2482-140-1	2482-140-2	-	-	140	0.069
2483	2483-160-0	2483-160-1	2483-160-2	2483-160-4	2483-160-A	160	0.094
2484	2484-180-0	-	-	-	-	180	0.128
2485	2485-200-0	-	-	-	-	200	0.161

Assortment of 12 needle files ULA248 :

ULA2401 - ULA2402 - ULA2403 - ULA2405 - ULA2406 - ULA2407 - ULA2408 - ULA2409 - ULA2410 - ULA2411 - ULA2415 - ULA2416



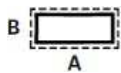
ASSORTMENT

ULA	2	4	L mm	Kg
2492	2492-140-2	2492-140-4	140	0.069
2493	2493-160-2	2493-160-4	160	0.094

Assortment of 12 needle files ULA249 :

ULA2401 - ULA2402 - ULA2403 - ULA2405 - ULA2406 - ULA2407 - ULA2408 - ULA2409 - ULA2410 - ULA2411 - ULA2415 - ULA2416

Micro-files.



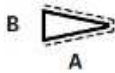
ULM0910 Pillar

ULM	0	4	L mm	AxB mm	Kg
0910	0910-0	0910-4	40 mm	2.0 x 1.2	?



ULM0910 Round

ULM	4	L mm	A mm	Kg
0980	0980-4	40 mm	2.9 mm	?



ULE3004 Pointed knife



ULE	2	4	6	8	L mm	AxB mm
3004-55	3004-55-2	3004-55-4	3004-55-6	3004-55-8	55	5.0 x 1.3



ULE3008 Halfround



ULE	2	3	4	5	6	8	10	L mm	AxB mm
3008-40	3008-40-2	-	3008-40-4	-	3008-40-6	3008-40-8	-	40	3.8 x 1.4
3008-55	3008-55-2	3008-55-3	3008-55-4	3008-55-5	3008-55-6	3008-55-8	3008-55-10	55	4.7 x 1.6



ULE3009 Crossing



ULE	2	4	6	8	10	L mm	AxB mm
3009-40	3009-40-2	3009-40-4	3009-40-6	3009-40-8	-	40	3.8 x 1.4
3009-55	3009-55-2	3009-55-4	3009-55-6	3009-55-8	3009-55-10	55	4.8 x 1.65



ULE3010 Barrette



ULE	0	2	3	4	5	6	8	10	L mm	AxB mm
3010-40	-	3010-40-2	-	3010-40-4	-	3010-40-6	3010-40-8	-	40	3.8 x 1.3
3010-55	3010-55-0	3010-55-2	3010-55-3	3010-55-4	3010-55-5	3010-55-6	3010-55-8	3010-55-10	55	4.5 x 1.3



ULE3011 Parallel barrette



ULE	2	4	6	L mm	AxB mm
3011-48	3011-48-2	3011-48-4	3011-48-6	48	4.1 x 1.2



ULE3012 Rounding off



ULE	2	4	6	L mm	AxB mm
3012-40	3012-40-2	3012-40-4	3012-40-6	40	3.6 x 0.8



ULE3014 Triangular



ULE	0	2	3	4	5	6	8	10	L mm	A mm
3014-40	-	3014-40-2	-	3014-40-4	-	3014-40-6	-	-	40	2.8
3014-55	3014-55-0	3014-55-2	3014-55-3	3014-55-4	3014-55-5	3014-55-6	3014-55-8	3014-55-10	55	3.4

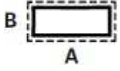
ESCAPEMENT FILES - ULE



ULE3015 Watch anchor



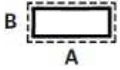
ULE	6	8	L mm	AxB mm
3015-55	3015-55-6	3015-55-8	55	4.4 x 0.8



ULE3016 Warding



ULE	4	6	L mm	AxB mm
3016-55	3016-55-4	3016-55-6	55	4.6 x 0.9



ULE3017 Pillar



ULE	2	4	6	8	10	L mm	AxB mm
3017-55	3017-55-2	3017-55-4	3017-55-6	3017-55-8	3017-55-10	55	5.0 x 0.9



ULE3020 Square



ULE	0	2	3	4	5	6	8	10	L mm	A mm
3020-55	3020-55-0	3020-55-2	3020-55-3	3020-55-4	3020-55-5	3020-55-6	3020-55-8	3020-55-10	55	1.7
3020-65	-	3020-65-2	-	3020-65-4	-	3020-65-6	3020-65-8	-	65	1.9



ULE3021 Round



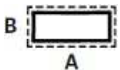
ULE	0	2	3	4	6	8	10	L mm	A mm
3021-55	3021-55-0	3021-55-2	3021-55-3	3021-55-4	3021-55-6	3021-55-8	3021-55-10	55	1.5
3021-65	-	3021-65-2	-	3021-65-4	3021-65-6	3021-65-8	-	65	2.0



ULE3026 Balance wheel



ULE	4	6	10	L mm	AxB mm
3026-35	3026-35-4	3026-35-6	3026-35-10	35	2.9 x 1.2



ULE3029 Equalling



ULE	2	4	6	L mm	AxB mm
3029-55	3029-55-2-DT	3029-55-4-DT	3029-55-6-DT	55	4.7 x 0.7



ASSORTMENT

ULE	10	L mm	Kg
3080	3080-10	55	0.030

Assortment of 6 escapement files ULE3080 :

ULE3008 - ULE3010 - ULE3014 - ULE3017 - ULE3020 - ULE3021

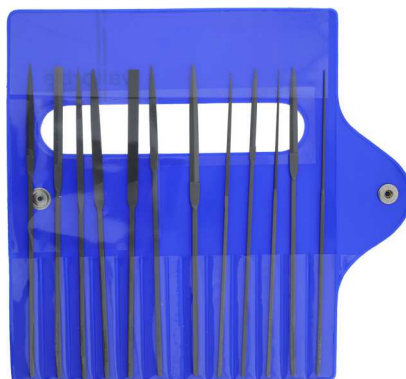


ASSORTMENT

ULE	4	6	L mm	Kg
3092	3092-4	3092-6	55	0.060

Assortment of 12 escapement files ULE3092 :

ULE3004 - ULE3008 - ULE3009 - ULE3010 - ULE3011 - ULE3014 - ULE3016 - ULE3017 - ULE3020 - ULE3021 - ULE3026 - ULE3029



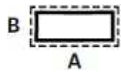
ASSORTMENT

ULE	L mm	Kg
3000-A	35 - 40 - 48 - 55	0.069

Assortment of 12 escapement files ULA3000-A :

ULE3008-40-8 - ULE3009-40-8 - ULE3010-40-6 - ULE3010-55-6 - ULE3011-48-4 - ULE3014-55-6 - ULE3016-55-4 - ULE3017-55-4 - ULE3020-55-6 - ULE3021-55-8 - ULE3021-55-10 - ULE3026-35-4

Buff files (needle files).



ULAC2401 Pillar

ULAC	G10	L mm	AxB mm
2401-140	2401-140-G10	140	4.8 x 1.05



ULAC2402 Halfround

ULAC	G10	L mm	AxB mm
2402-140	2402-140-G10	140	5.1 x 1.6



ULAC2403 Crossing

ULAC	G10	L mm	AxB mm
2403-140	2403-140-G10	140	4.5 x 1.95



ULAC2407 Triangular

ULAC	G10	L mm	A mm
2407-140	2407-140-G10	140	3.6



ULAC2408 Square

ULAC	G10	L mm	A mm
2408-140	2408-140-G10	140	2.2



ULAC2410 Round



ULAC	G10	L mm	A mm
2410-140	2410-140-G10	140	2.8



ULAC2411 Barrette



ULAC	G10	L mm	AxB mm
2411-140	2411-140-G10	140	4.7 x 1.7



ULAC	G10	L mm	Kg
2462	2462-140-G10	140	0.030

Assortment of 6 buff files ULAC2462 :

ULAC2401 - ULAC2402 - ULAC2403 - ULAC2407 - ULAC2410 - ULAC2411

ASSORTMENT

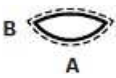
Buff files (escapement files).



ULEC3008 Halfround



ULEC	G10	L mm	AxB mm
3008-55	3008-55-G10	55	4.0 x 1.3



ULEC3009 Crossing



ULEC	G10	L mm	AxB mm
3009-55	3009-55-G10	55	3.8 x 1.4



ULEC3010 Barrette



ULEC	G10	L mm	AxB mm
3010-55	3010-55-G10	55	3.9 x 1.2

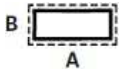
BUFF FILES - ULAC / ULEC



ULEC3014 Triangular



ULEC	G10	L mm	A mm
3014-55	3014-55-G10	55	2.8



ULEC3017 Pillar



ULEC	G10	L mm	AxB mm
3017-55	3017-55-G10	55	3.6 x 0.8



ULEC3020 Square



ULEC	G10	L mm	A mm
3020-55	3020-55-G10	55	1.7



ULEC3021 Round



ULEC	G10	L mm	A mm
3021-55	3021-55-G10	55	1.5

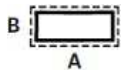


ULEC	G10	L mm	Kg
3062	3062-55-G10	55	0.026

Assortment of 6 buff files ULEC3062 :

ULEC3008 - ULEC3009 - ULEC3010 - ULEC3014 - ULEC3017 - ULEC3021

Diamond needle files.



UDA8401 Pillar



UDA	91	126	L mm	AxB mm
8401	8401-91	8401-126	140	4.8 x 1.05



UDA8402 Halfround



UDA	91	126	L mm	AxB mm
8402	8402-91	8402-126	140	5.1 x 1.7



UDA8407 Triangular



UDA	91	126	L mm	A mm
8407	8407-91	8407-126	140	3.6



UDA8408 Square



UDA	G10	91	L mm	A mm
8408	8408-91	8408-126	140	2.2



UDA8410 Round



UDA	91	126	L mm	A mm
8410	8410-91	8410-126	140	2.8



UDA8411 Barette



UDA	91	126	L mm	AxB mm
8411	-	8411-126	140	4.7 x 1.7



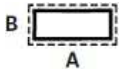
UDA	91	126	L mm	Kg
8432	8432-91	8432-126	140	0.035

Assortment of 5 diamond needle files UDA8432 :

UDA8401, UDA8402, UDA8407, UDA8408 and UDA8410.

ASSORTMENT

DIAMOND FILES - UDA / UDD



UDA9401 Pillar



UDA	91	L mm	AxB mm
9401	9401-91	140	4.8 x 1.3



UDA9402 Halfround



UDA	91	L mm	AxB mm
9402	9402-91	140	5.1 x 1.7



UDA9407 Triangular



UDA	91	L mm	A mm
9407	9407-91	140	3.3



UDA9408 Square



UDA	91	L mm	A mm
9408	9408-91	140	2.4



UDA9410 Round



UDA	91	L mm	A mm
9410	9410-91	140	2.8



ASSORTMENT

UDA	91	L mm	Kg
9470	9470-91	140	0.035

Assortment of 5 diamond needle files UDA9470 :
UDA9401 - UDA9402 - UDA9407 - UDA9408 - UDA9410

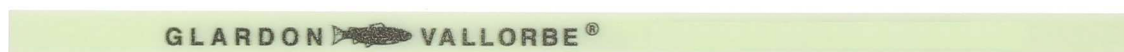
Diamond foils.



UDD	Grit	Size	Kg
8800-300	300	100 x 50 mm	0.001
8800-600	600	100 x 50 mm	0.001
8800-1000	1000	100 x 50 mm	0.001

VALDIAMOND diamond foil.
Grains 300 and 600 : universal use
Grain 1000 : for finishing

Ceramic fibre files.



ULF0502 - ULF1002 - ULF0504 - ULF1004 Pillar (grain 120...800)

ULF	Grit 120	Grit 220	Grit 300	Grit 400	Grit 600	Grit 800	L mm	AxB mm
0502	-	-	0502-M-300	0502-M-400	0502-M-600	0502-M-800	100	2.0 x 0.5
1002	1002-M-120	1002-M-220	1002-M-300	1002-M-400	1002-M-600	1002-M-800	100	2.0 x 1.0
0504	-	0504-M-220	0504-M-300	0504-M-400	0504-M-600	0504-M-800	100	4.0 x 0.5
1004	1004-M-120	1004-M-220	1004-M-300	1004-M-400	1004-M-600	1004-M-800	100	4.0 x 1.0



ULF0502 - ULF1002 - ULF0504 - ULF1004 Pillar (grain 1000...3000)

ULF	Grit 1000	Grit 1200	Grit 1500	Grit 2000	Grit 3000	L mm	AxB mm
0502	0502-M-1000	0502-M-1200	-	-	-	100	2.0 x 0.5
1002	1002-M-1000	1002-M-1200	1002-M-1500	1002-M-2000	1002-M-3000	100	2.0 x 1.0
0504	0504-M-1000	0504-M-1200	-	-	-	100	4.0 x 0.5
1004	1004-M-1000	1004-M-1200	1004-M-1500	-	-	100	4.0 x 1.0



ULF234 - ULF30 Round (grain 220...800)

ULF	Grit 120	Grit 220	Grit 300	Grit 400	Grit 600	Grit 800	L mm	A mm
234	-	234-S-220	234-S-300	234-S-400	234-S-600	234-S-800	50	2.34
30	-	30-S-220	30-S-300	30-S-400	30-S-600	30-S-800	50	3.0



ULF234 - ULF30 Round (grain 1000...1200)

ULF	Grit 1000	Grit 1200	Grit 1500	Grit 2000	Grit 3000	L mm	A mm
234	234-S-1000	234-S-1200	-	-	-	50	2.34
30	30-S-1000	30-S-1200	-	-	-	50	3.0



ULF0505 - ULF0909 - ULF1001 Square (grain 220...800)

ULF	Grit 120	Grit 220	Grit 300	Grit 400	Grit 600	Grit 800	L mm	A mm
0505	-	-	-	-	-	0505-S-800	50	0.5
0909	-	-	-	-	-	0909-S-800	50	0.9
1001	-	1001-M-220	1001-M-300	1001-M-400	1001-M-600	1001-M-800	100	1.0



ULF0505 - ULF0909 - ULF1001 Square (grain 1000...3000)

ULF	Grit 1000	Grit 1200	Grit 1500	Grit 2000	Grit 3000	L mm	A mm
0505	-	0505-S-1200	-	-	-	50	0.5
0909	-	0909-S-1200	-	-	-	50	0.9
1001	1001-M-1000	1001-M-1200	1001-M-1500	1001-M-2000	1001-M-3000	100	1.0

Gravers.



ULO0401 Flat edge

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0401-2	0401-2-HSS	0401-2-WS	0.2
0401-4	0401-4-HSS	0401-4-WS	0.4
0401-6	0401-6-HSS	0401-6-WS	0.6
0401-8	0401-8-HSS	0401-8-WS	0.8
0401-10	0401-10-HSS	0401-10-WS	1.0
0401-12	0401-12-HSS	0401-12-WS	1.2
0401-14	0401-14-HSS	0401-14-WS	1.4
0401-16	0401-16-HSS	0401-16-WS	1.6
0401-18	0401-18-HSS	-	1.8
0401-20	0401-20-HSS	-	2.0



ULO0402 Round edge

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0402-2	0402-2-HSS	0402-2-WS	0.2
0402-4	0402-4-HSS	0402-4-WS	0.4
0402-6	0402-6-HSS	0402-6-WS	0.6
0402-8	0402-8-HSS	0402-8-WS	0.8
0402-10	0402-10-HSS	0402-10-WS	1.0
0402-12	0402-12-HSS	0402-12-WS	1.2
0402-16	0402-16-HSS	-	1.6



ULO0403 Onglette

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0403-5/0	0403-5/0-HSS	-	1.2
0403-4/0	0403-4/0-HSS	-	1.2
0403-3/0	0403-3/0-HSS	-	1.4
0403-2/0	0403-2/0-HSS	0403-2/0-WS	1.5
0403-0	0403-0-HSS	0403-0-WS	1.6
0403-1	0403-1-HSS	0403-1-WS	1.8
0403-2	0403-2-HSS	0403-2-WS	1.9
0403-3	0403-3-HSS	0403-3-WS	2.2
0403-4	0403-4-HSS	0403-4-WS	2.5
0403-5	0403-5-HSS	-	2.7
0403-6	0403-6-HSS	-	2.9
0403-8	0403-8-HSS	-	3.4

GRAVERS / WATCHMAKERS' GRAVERS - ULO



ULO0406 Knife

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0406-18	0406-18-HSS	0406-18-WS	1.8
0406-20	0406-20-HSS	0406-20-WS	2.0
0406-22	0406-22-HSS	0406-22-WS	2.2
0406-24	0406-24-HSS	-	2.4
0406-26	0406-26-HSS	0406-26-WS	2.6
0406-30	-	0406-30-WS	3.0



ULO0404 Oval

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0404-21	-	0404-21	2.1



ULO0405 Bevelled

ULO	HSS L = 65 mm	WS L = 80 mm	A mm
0405-12	-	0405-12	1.2

Watchmakers' gravers.



ULO0501 Square

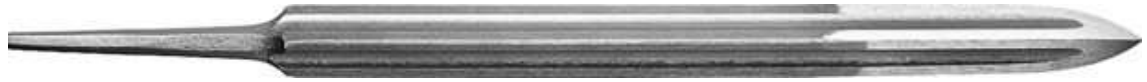
ULO	HSS L = 110 mm	WS L = 100 mm	A mm
0501-1.50	-	0501-1.50-WS	1.5
0501-1.75	-	0501-1.75-WS	1.8
0501-2	-	0501-2-WS	2.0
0501-2.25	0501-2.25-HSS	0501-2.25-WS	2.3
0501-2.5	0501-2.5-HSS	0501-2.5-WS	2.5
0501-2.75	0501-2.75-HSS	0501-2.75-WS	2.8
0501-3	0501-3-HSS	0501-3-WS	3.0
0501-3.25	-	0501-3.25-WS	3.3
0501-3.5	0501-3.5-HSS	-	3.5
0501-4	0501-4-HSS	-	4.0



ULO0502 Lozenge

ULO	HSS L = 110 mm	WS L = 100 mm	A mm
0502-1.5	-	0502-1.5	1.5
0502-1.75	-	0502-1.75	1.75
0502-2	-	0502-2	2.0
0502-2.5	-	0502-2.5	2.5

Scrapers.



ULO0653 Triangular

ULO	L mm	A mm
0653-2	50	5.0
0653-2.5	63	6.0
0653-3	75	7.0
0653-4	100	9.0



ULO0655 Incurved

ULO	L mm	A mm
0655-3	75	6.0
0655-4	100	9.0

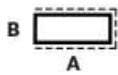
Burnishers.



ULO0788 Oval straight

ULO	L mm	A x B mm
0788-3	75	6.5 x 3.5
0788-4	100	8.0 x 4.2

HABILIS® files.



ULH2601 Pillar

ULH	00	1	L mm	AxB mm
2601	2601-00	2601-1	215	10.0 x 2.6



ULH2602 Halfround

ULH	00	1	L mm	AxB mm
2602	2602-00	2602-1	215	12.2 x 3.4



ULH2607 Triangular

ULH	00	1	L mm	A mm
2607	2607-00	2607-1	215	9.5



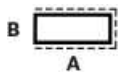
ULH2608 Square

ULH	00	1	L mm	A mm
2608	2608-00	2608-1	215	6.0



ULH2610 Round

ULH	00	1	L mm	A mm
2610	2610-00	2610-1	215	6.5



ULH2901 Pillar Multifile

ULH	00	1	L mm	AxB mm
2901	2901-00	-	215	10.0 x 3.2



ASSORTMENT (POUCH)

ULH	00	1	L mm	Kg
2630	2630-00	2630-1	215	0.233

Assortment of 5 HABILIS® files ULH2630 :
 ULH2601 - ULH2602 - ULH2607 - ULH2608 - ULH2610

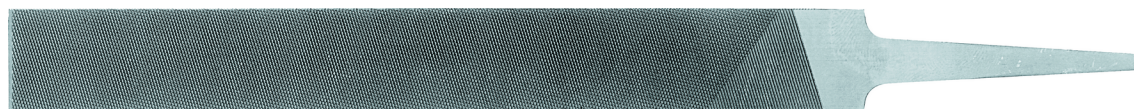


ULH	00	1	L mm	Kg
2631	2631-00	2631-1	215	0.140

Assortment of 3 HABILIS® files ULH2631 :
ULH2601 - ULH2602 - ULH2607

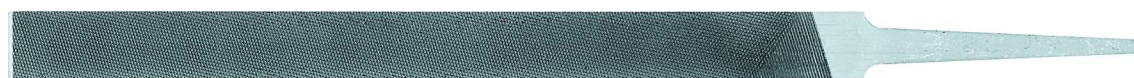
ASSORTMENT (POUCH)

VALTITAN® files.



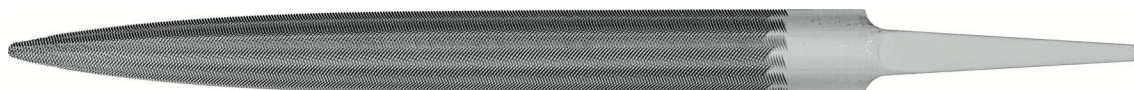
ULPV1163 Hand

ULPV	000	00	0	2	L mm	AxB mm
1163-6	-	1163-6-00	1163-6-0	1163-6-2	150	18.5 x 4.0
1163-8	-	1163-8-00	1163-8-0	1163-8-2	200	21.3 x 4.8
1163-10	1163-10-000	1163-10-00	1163-10-0	-	250	25.3 x 6.3



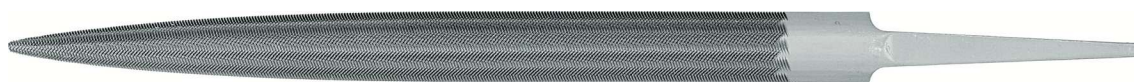
ULPV1132 Pillar 2 sides

ULPV	0	2	L mm	AxB mm
1132-6	1132-6-0	-	150	12.0 x 4.0
1132-8	1132-8-0	1132-8-2	200	14.5 x 4.5



ULPV1560 Halfround

ULPV	0	2	L mm	AxB mm
1560-6	1560-6-0	1560-6-2	150	15.1 x 4.7
1560-8	1560-8-0	1560-8-2	200	21.1 x 6.3



ULPV1566 Halfround slim

ULPV	0	2	L mm	AxB mm
1566-6	1566-6-0	1566-6-2	150	12.7 x 3.5



ULPV1360 Triangular

ULPV	0	2	L mm	A mm
1360-8	1360-8-0	-	200	14.2



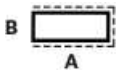
ULPV1660 Pointed round

ULPV	2	L mm	A mm
1660-8	1660-8-2	200	7.8



ULPV1670 Round blunt

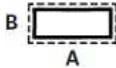
ULPV	0	L mm	A mm
1670-8	1670-8-0	200	7.5



ULPV1060 Barrette

ULPV	2	L mm	AxB mm
1060-6	1060-6-2	150	15.5 x 3.5

VALTITAN® needle files.



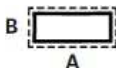
ULAV2401 Pillar

ULAV	0	2	L mm	AxB mm	Kg
2401-180	2401-180-0	2401-180-2	180	6.0 x 1.3	0.010



ULAV2402 Halfround

ULAV	00	0	2	L mm	AxB mm	Kg
2402-180	2402-180-00	2402-180-0	2402-180-2	180	5.9 x 2.05	0.010



ULAV2406 Warding

ULAV	0	2	L mm	AxB mm	Kg
2406-180	2406-180-0	2406-180-2	180	6.0 x 1.25	0.010



ULAV2407 Triangular

ULAV	0	2	L mm	A mm	Kg
2407-180	2407-180-0	2407-180-2	180	4.3	0.010



ULAV2408 Square

ULAV	00	0	2	L mm	A mm	Kg
2408-180	2408-180-00	2408-180-0	2408-180-2	180	2.6	0.010



ULAV2410 Round

ULAV	0	2	L mm	A mm	Kg
2410-180	2410-180-0	2410-180-2	180	3.2	0.009



ULAV2411 Barrette

ULAV	0	2	L mm	AxB mm	Kg
2411-180	2411-180-0	2411-180-2	180	5.4 x 2.0	0.011



ULAV	0	2	L mm	Kg
2495	2495-0	2495-2	180	0.060

Assortment of 6 needle files ULAV2495 :

ULAV2401 - ULAV2402 - ULAV2407 - ULAV2408 - ULAV2410 - ULAV2411

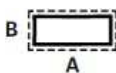
ASSORTMENT (POUCH)

Rifflers 150 mm.



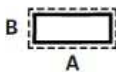
ULR12901 Barrette

ULR	0	2	L mm	AxB mm	Kg
12901	12901-0	12901-2	150	3.8 x 1.2	0.007



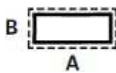
ULR12905 Pointed hand

ULR	0	2	L mm	AxB mm	Kg
12905	12905-0	12905-2	150	2.0 x 1.2	0.008



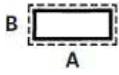
ULR12910 Hand

ULR	0	2	L mm	AxB mm	Kg
12910	12910-0	12910-2	150	2.0 x 1.2	0.008



ULR12911 Hand

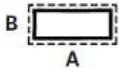
ULR	0	2	L mm	AxB mm	Kg
12911	12911-0	12911-2	150	2.0 x 1.2	0.008



ULR12912 Hand



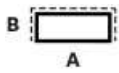
ULR	0	2	L mm	AxB mm	Kg
12912	12912-0	12912-2	150	2.6 x 1.5	0.008



ULR12913 Hand



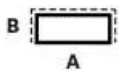
ULR	0	2	L mm	AxB mm	Kg
12913	12913-0	12913-2	150	2.6 x 1.5	0.008



ULR12914 Pointed hand



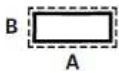
ULR	0	2	L mm	AxB mm	Kg
12914	12914-0	12914-2	150	3.4 x 1.5	0.008



ULR12915 Pointed hand



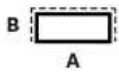
ULR	0	2	L mm	AxB mm	Kg
12915	12915-0	12915-2	150	3.4 x 1.5	0.008



ULR12916 Hand



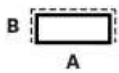
ULR	0	2	L mm	AxB mm	Kg
12916	12916-0	12916-2	150	3.0 x 3.0	0.008



ULR12917 Hand



ULR	0	2	L mm	AxB mm	Kg
12917	12917-0	12917-2	150	3.0 x 3.0	0.008



ULR12918 Hand



ULR	0	2	L mm	AxB mm	Kg
12918	12918-0	12918-2	150	3.8 x 1.6	0.009



ULR12930 Square

ULR	0	2	L mm	A mm	Kg
12930	12930-0	12930-2	150	2.5	0.008



ULR12940 Triangular

ULR	0	2	L mm	A mm	Kg
12940	12940-0	12940-2	150	2.1	0.008



ULR12942 Triangular

ULR	0	2	L mm	A mm	Kg
12942	12942-0	12942-2	150	3.1	0.007



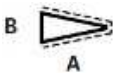
ULR12943 Triangular

ULR	0	2	L mm	A mm	Kg
12943	12943-0	12943-2	150	3.4	0.007



ULR12951 Knife

ULR	0	2	L mm	AxB mm
12951	12951-0	12951-2	150	4.4 x 1.2



ULR12952 Knife

ULR	0	2	L mm	AxB mm
12952	12952-0	12952-2	150	4.4 x 1.2



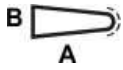
ULR12955 Pippin

ULR	0	2	L mm	AxB mm
12955	12955-0	12955-2	150	4.7 x 1.35



ULR12956 Knife flat edge

ULR	0	2	L mm	AxB mm
12956	12956-0	12956-2	150	4.4 x 1.2



ULR12957 Knife round edge

ULR	0	2	L mm	AxB mm
12957	12957-0	12957-2	150	4.4 x 1.2



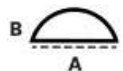
ULR 12961 Halfround

ULR	0	2	L mm	AxB mm
12961	12961-0	12961-2	150	4.5 x 2.2



ULR12963 Halfround

ULR	0	2	L mm	AxB mm
12963	12963-0	12963-2	150	4.7 x 1.5



ULR12964 Halfround

ULR	0	2	L mm	AxB mm
12964	12964-0	12964-2	150	4.6 x 1.4



ULR12965 Halfround cut on hand

ULR	0	2	L mm	AxB mm
12965	12965-0	12965-2	150	5.0 x 1.9



ULR12970 Crossing

ULR	0	2	L mm	AxB mm
12970	12970-0	12970-2	150	1.8 x 1.2



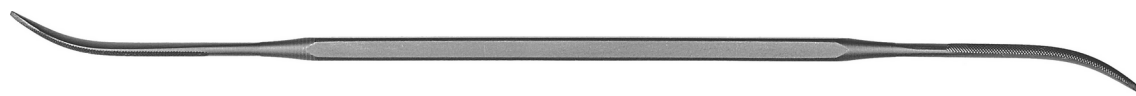
ULR12972 Crossing

ULR	0	2	L mm	AxB mm
12972	12972-0	12972-2	150	3.8 x 1.8



ULR12973 Crossing

ULR	0	2	L mm	AxB mm
12973	12973-0	12973-2	150	3.8 x 1.8



ULR12974 Crossing

ULR	0	2	L mm	AxB mm
12974	12974-0	12974-2	150	3.8 x 1.8



ULR12975 Crossing

ULR	0	2	L mm	AxB mm
12975	12975-0	12975-2	150	4.0 x 1.9



ULR12981 Round

ULR	0	2	L mm	A mm
12981	12981-0	12981-2	150	3.1



ULR12982 Pompon

ULR	0	2	L mm	A mm
12982	12982-0	12982-2	150	3.0



ULR12983 Round

ULR	0	2	L mm	A mm
12983	12983-0	12983-2	150	3.2

SPECIAL FILES - ULH / ULPV / ULAV / ULR / URA



ULR12984 Round

ULR	0	2	L mm	A mm
12984	12984-0	12984-2	150	3.1



ULR12985 Round

ULR	0	2	L mm	A mm
12985	12985-0	12985-2	150	3.2



ULR12986 Round

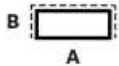
ULR	0	2	L mm	A mm
12986	12986-0	12986-2	150	2.6



ULR12987 Round

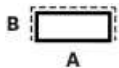
ULR	0	2	L mm	A mm
12987	12987-0	12987-2	150	3.2

Rifflers 180 mm.



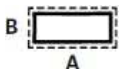
ULR12710 Hand

ULR	0	2	L mm	AxB mm
12710	12710-0	12710-2	180	8.3 x 2.4



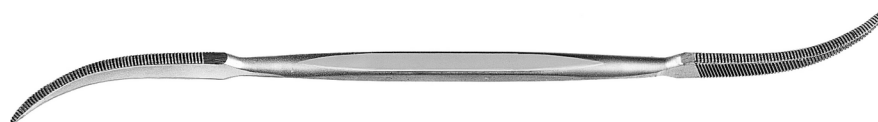
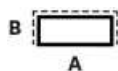
ULR12711 Hand

ULR	0	2	L mm	AxB mm
12711	12711-0	12711-2	180	8.3 x 2.4



ULR12712 Pointed hand

ULR	0	2	L mm	AxB mm
12712	12712-0	12712-2	180	8.3 x 2.4



ULR12713 Warding

ULR	0	2	L mm	AxB mm
12713	12713-0	12713-2	180	8.3 x 2.4



ULR12731 Square

ULR	0	2	L mm	A mm
12731	12731-0	12731-2	180	4.8



ULR12732 Square

ULR	0	2	L mm	A mm
12732	12732-0	12732-2	180	4.6



ULR12741 Triangular

ULR	0	2	L mm	A mm
12741	12741-0	12741-2	180	7.4



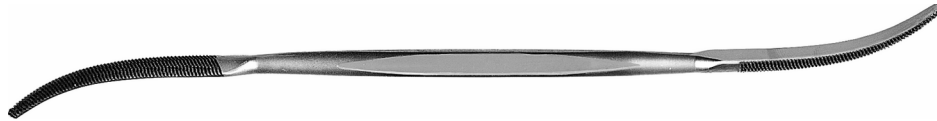
ULR12750 Knife

ULR	0	2	L mm	AxB mm
12750	12750-0	12750-2	180	10.4 x 2.7



ULR12761 Halfround

ULR	0	2	L mm	AxB mm
12761	12761-0	12761-2	180	9.5 x 3.8



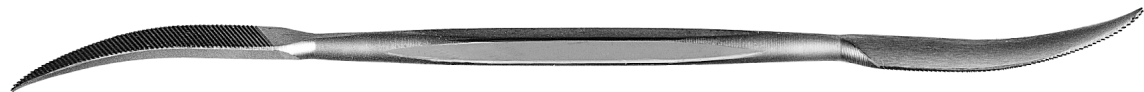
ULR12762 Halfround

ULR	0	2	L mm	AxB mm
12762	12762-0	12762-2	180	9.0 x 3.7



ULR12763 Halfround

ULR	0	2	L mm	AxB mm
12763	12763-0	12763-2	180	9.2 x 3.6



ULR12764 Halfround cut on hand

ULR	0	2	L mm	AxB mm
12764	12764-0	12764-2	180	9.2 x 3.6



ULR12771 Crossing

ULR	0	2	L mm	AxB mm
12771	12771-0	12771-2	180	7.8 x 4.1



ULR12781 Round

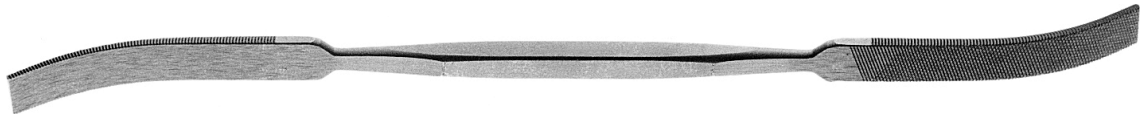
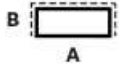
ULR	0	2	L mm	A mm
12781	12781-0	12781-2	180	4.8



ULR12790 Pippin

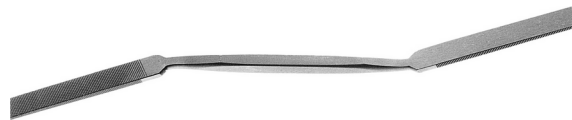
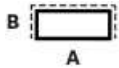
ULR	0	2	L mm	A mm
12790	12790-0	12790-2	180	8.2 x 4.0

Rifflers 300 mm.



ULR12410 Hand

ULR	00	0	L mm	AxB mm
12410	12410-00	12410-0	300	12.8 x 4.0



ULR12411 Hand

ULR	00	0	L mm	AxB mm
12411	12411-00	12411-0	300	12.8 x 4.0



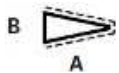
ULR12430 Square

ULR	00	0	L mm	A mm
12430	12430-00	12430-0	300	7.5



ULR12440 Triangular

ULR	00	0	L mm	A mm
12440	12440-00	12440-0	300	10.5



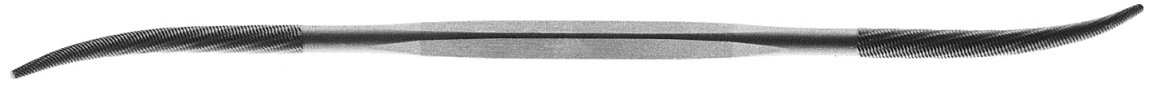
ULR12450 Knife

ULR	00	0	L mm	AxB mm
12450	-	12450-0	300	14.5 x 3.8



ULR12460 Halfround

ULR	00	0	L mm	AxB mm
12460	12460-00	12460-0	300	15.4 x 5.4



ULR12480 Round

ULR	00	0	L mm	A mm
12480	12480-00	12480-0	300	7.5

Assortments of rifflers 150 and 180 mm.

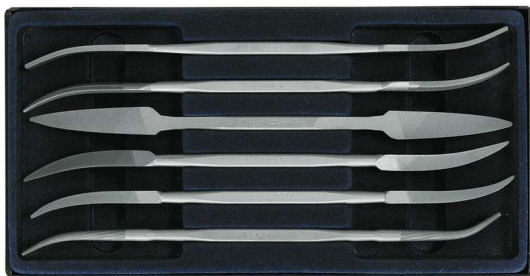


ULR	0	2	L mm	Kg
12156	12156-0	12156-2	150	0.093

Assortment of 6 rifflers ULR2156 :

ULR12915 - ULR12930 - ULR12942 - ULR12952 - ULR12963 - ULR12981.

ASSORTMENT



ULR	0	2	L mm	Kg
12186	12186-0	12186-2	180	0.147

Assortment of 6 rifflers ULR2186 :

ULR12711 - ULR12731 - ULR12741 - ULR12750 - ULR12763 - ULR12781.

ASSORTMENT

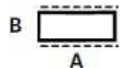
Precision rasps.



URA5190 Round

URA	2	L mm	A mm
5190-8	5190-8-2	200	8
5190-10	5190-10-2	250	10

HABILIS® rasps.



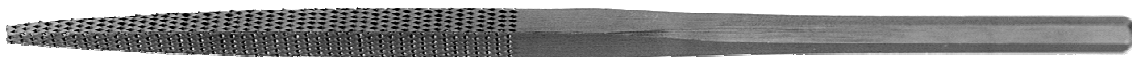
URA2701 Pillar

URA	3	L mm	AxB mm
2701	2701-3	205	10.0 x 3.1



URA2702 Halfround

URA	3	L mm	AxB mm
2702	2702-3	205	12.2 x 3.6



URA2707 Triangular

URA	3	L mm	A mm
2707	2707-3	205	10.3



URA2708 Square

URA	3	L mm	A mm
2708	2708-3	205	7.0



URA 2710 Round

URA	3	L mm	A mm
2710	2710-3	205	6.5



ASSORTMENT (BLISTER)

URA	3	L mm	Kg
2730	2730-3	205	0.261

Assortment of 5 HABILIS® rasps URA2730 :

URA2701 - URA2702 - URA2707 - URA2708 - URA2710

Files handles.



UAL	Square file	Round file	Halfround file	Triangul up file	Triangul right	Rectang file	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.



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.



UAL	Ø	L mm	Kg
170	2-3 mm	86 mm	0.015

Handle for needle files.



UAL	Square file	Round file	Halfround file	Triangul up file	Rectangul file	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.



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.