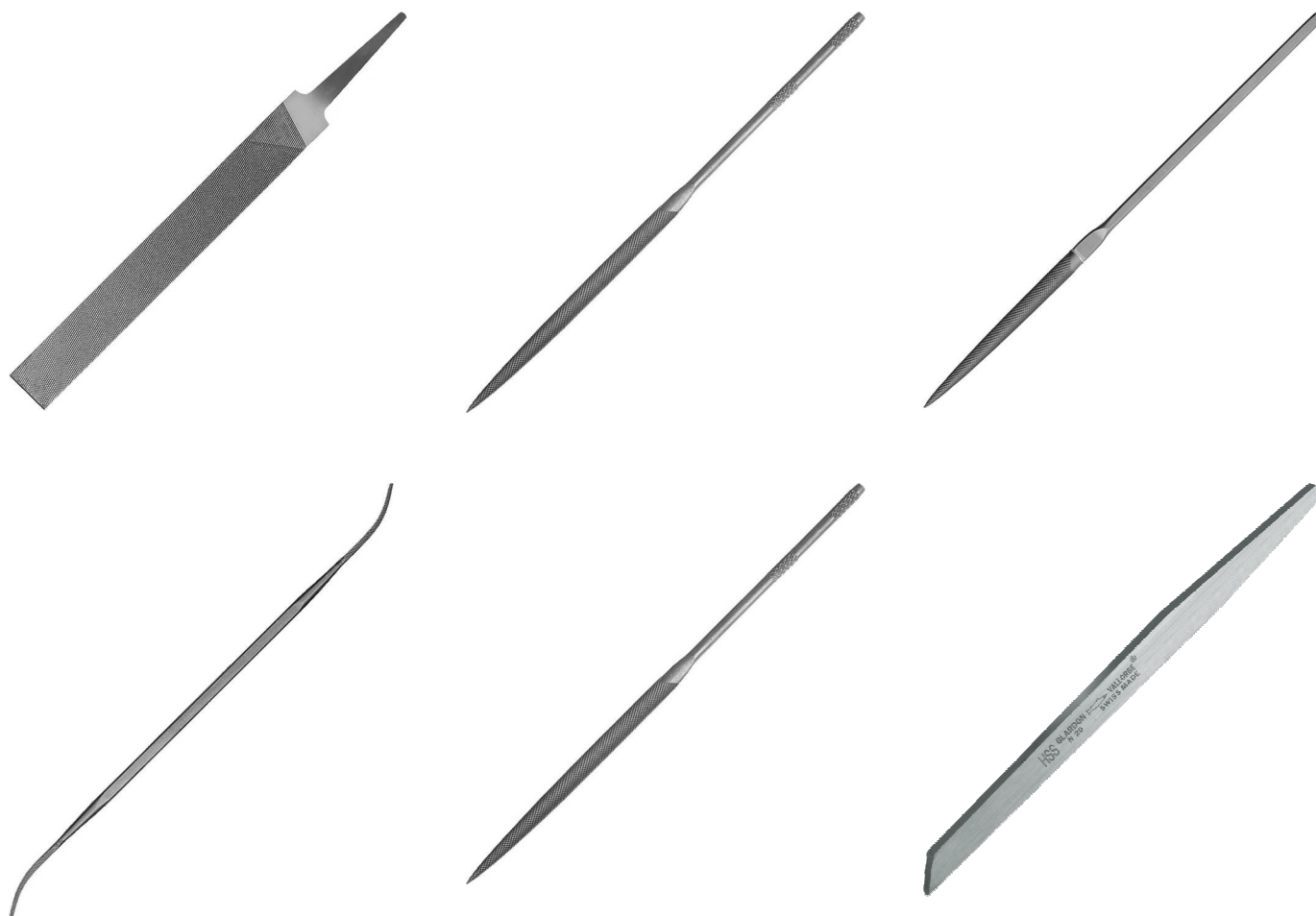


vallorbe®

SWISS



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Limes VALLORBE® Swiss Made.

POUR LE BON USAGE DU CATALOGUE

PRINCIPALES DIMENSIONS

Longueur = L

Les points de mesure de la longueur (L) varient d'un type de limes à l'autre. Il est donc nécessaire de se référer au schéma.

Largeur x épaisseur = A x B

Largeur et épaisseur des limes sont exprimées par :

- A = en principe largeur ou diamètre
- B = en principe épaisseur.

Pour les articles ULA, ULE, ULP, ULH, ULR et ULO, ces dimensions sont toujours mesurées sur la partie non taillée la plus large.

Pour les articles URA, ULAC, ULEC, UDA, UDR et UDH, les dimensions sont mesurées sur la partie taillée la plus large et sont des valeurs moyennes suivant le numéro de taille.

Toutes les dimensions A et B mentionnées dans ce catalogue sont exprimées en mm et elles n'ont qu'une valeur indicative.

ÉCHELLE DE TAILLES

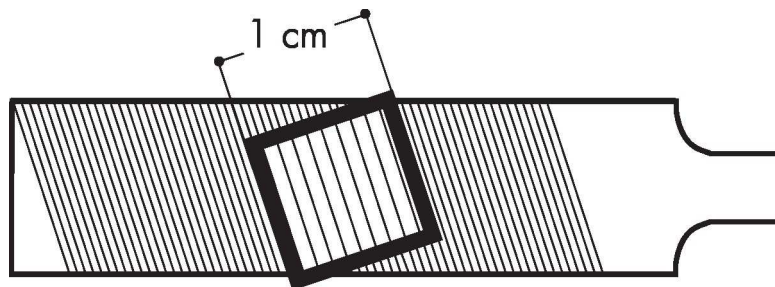
Détermination du nombre de dents [Z/cm]

Le nombre de dents (Z/cm) se compte perpendiculairement à la taille.

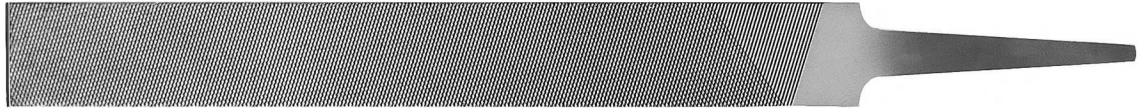
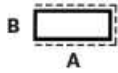
Dans le tableau ci-dessous les chiffres correspondent au nombre de dents par cm pour une taille donnée, dans une longueur ou un type donné.

Exemple : lime de 6" en taille 2 = 31 Z/cm.

Plus le nombre de dents est élevé, plus la lime sera fine (n° 00 = très grossière / n° 10 = très fine).

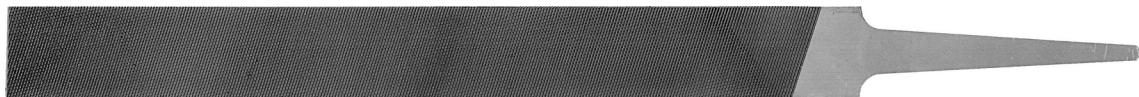
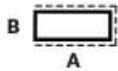


Type de lime	000	00	0	1	2	3	4	5	6	7	8	10
Limes de précision, longueurs 1" à 3.5"	-	20	25	31	38	46	55	68	84	100	116	-
Limes de précision, longueurs 4" à 8"	12	16	20	25	31	38	46	56	68	-	-	-
Limes de précision, longueurs 4" à 8"	9	12	16	20	25	31	38	(46)	(56)	-	-	-
Limes aiguilles	-	20	25	31	38	46	56	68	84	-	-	-
Limes aux échappements	-	20	25	31	38	46	56	68	84	100	116	156
Rifloirs 150 mm	-	-	25	-	38	-	-	-	-	-	-	-
Rifloirs 180-300 mm	-	-	16	-	25	-	-	-	-	-	-	-
Limes HABILIS®	-	18	21	25	31	-	-	-	-	-	-	-



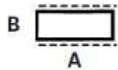
ULP1163 Carrette

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



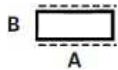
ULP1168 Carrette mince

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



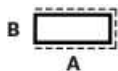
ULP1166 Carrette à canneler

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 Pilier, 2 côtés

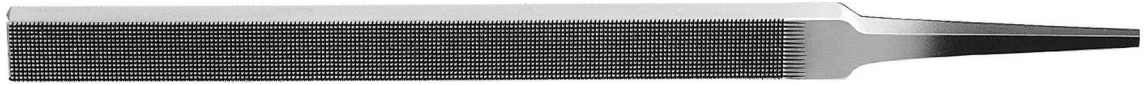
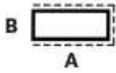
ULP	00	0	1	2	3	4	6	L mm	AxB mm
1132-4	1132-4-00	1132-4-0	-	1132-4-2	-	1132-4-4	-	100	9.5 x 2.5
1132-6	1132-6-00	1132-6-0	1132-6-1	1132-6-2	1132-6-3	1132-6-4	1132-6-6	150	12.0 x 4.0
1132-8	1132-8-00	1132-8-0	1132-8-1	1132-8-2	1132-8-3	1132-8-4	-	200	14.5 x 4.5
1132-10	1132-10-00	1132-10-0	1132-10-1	1132-10-2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



ULP1133 Pilier, 3 côtés

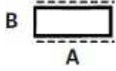
ULP	00	0	1	2	3	4	5	L mm	AxB mm
1133-4	1133-4-00	-	1133-4-1	1133-4-2	-	1133-4-4	1133-4-5	100	9.5 x 2.5
1133-6	1133-6-00	1133-6-0	1133-6-1	1133-6-2	1133-6-3	-	-	150	12.0 x 4.0
1133-8	1133-8-00	1133-8-0	1133-8-1	1133-8-2	-	-	-	200	14.5 x 4.5
1133-10	1133-10-00	1133-10-0	1133-10-1	1133-10-2	-	-	-	250	17.5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

LIMES DE PRÉCISION - ULP



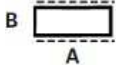
ULP1138 Pilier mince

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



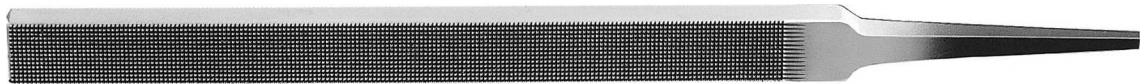
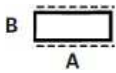
ULP1142 Pilier étroit

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 Pilier très étroit

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 Pilier à canneler

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

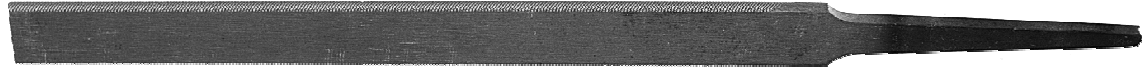


ULP1170 Coulisse, bords ronds

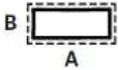
ULP	2	L mm	A mm
1170-4	1170-4-2-0.3	100	10
1170-4	1170-4-2-0.4	100	10
1170-4	1170-4-2-0.5	100	10
1170-4	1170-4-2-0.6	100	10



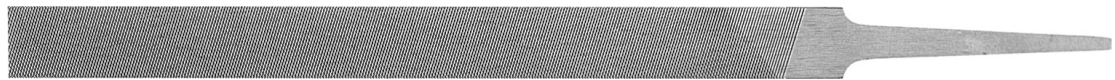
ULP1171 Coulisse, bords ronds



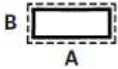
ULP	2	L mm	A mm
1171-4	1171-4-2-0.7	100	10
1171-4	1171-4-2-0.8	100	10
1171-4	1171-4-2-0.9	100	10
1171-4	1171-4-2-1	100	10
1171-4	1171-4-2-1.1	100	10
1171-4	1171-4-2-1.2	100	10
1171-4	1171-4-2-1.5	100	10
1171-4	1171-4-2-2	100	10



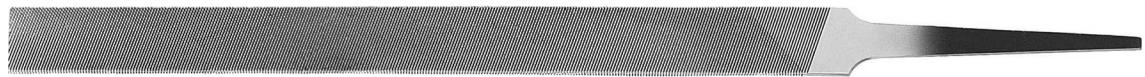
ULP1180 Égalir ordinaire



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 Égalir spécial



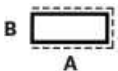
ULP	2	4	L mm	AxB mm
1185-4	1185-4-2-20	-	100	10.0 x 0.91
1185-4	1185-4-2-21	-	100	10.0 x 0.81
1185-4	1185-4-2-24	-	100	10.0 x 0.56
1185-4	1185-4-2-26	-	100	10.0 x 0.46
1185-4	1185-4-2-28	-	100	10.0 x 0.38
1185-4	-	1185-4-4-30	100	10.0 x 0.31



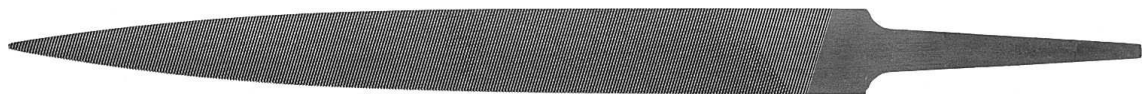
ULP1230 Crochet



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

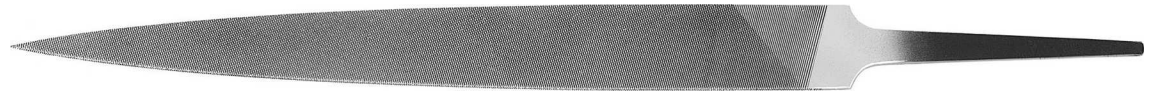
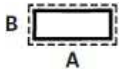


ULP1263 Entrée ordinaire



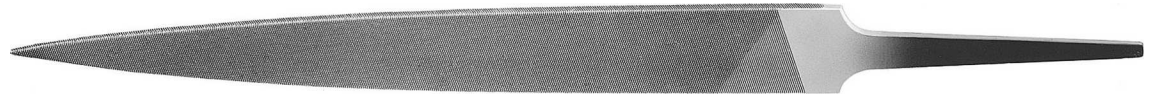
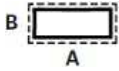
ULP	0	2	4	L mm	AxB mm
1263-6-0	1263-6-0	1263-6-2	1263-6-4	150	15.4 x 3.5

LIMES DE PRÉCISION - ULP



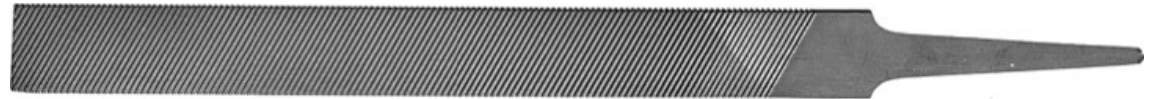
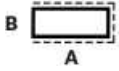
ULP1265 Entrée spéciale

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



ULP1268 Entrée mince

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 Plate pour 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



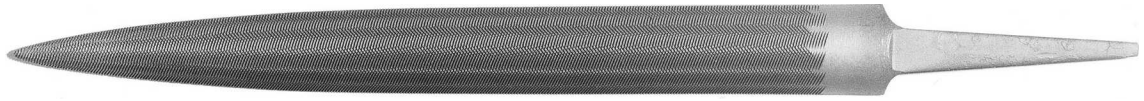
ULP1352 Mi-ronde pour aluminium

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



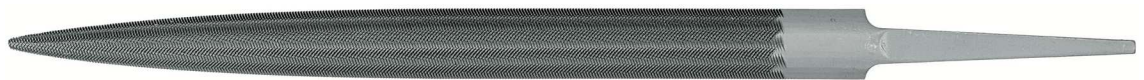
ULP1540 Mi-ronde double pour cire

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



ULP1560 Mi-ronde ordinaire

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



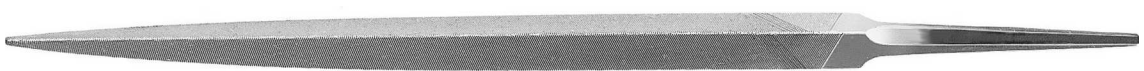
ULP1566 Mi-ronde effilée pour bagues

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



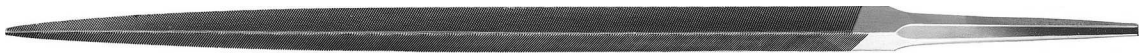
ULP1567 Mi-ronde très effilée

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 Triangulaire

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 Triangulaire effilée

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 Triangulaire très effilée

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



ULP1660 Ronde ordinaire pointue

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 Ronde très effilée

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



ULP1669 Ronde cylindrique

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 Ronde ordinaire

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 Ronde à étirer

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



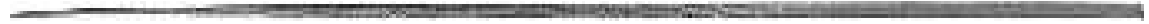
ULP1464 Carrée pointue

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 Carrée mottue

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



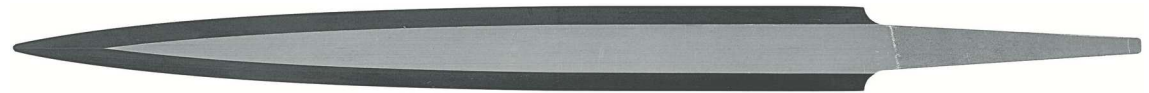
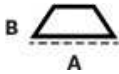
ULP1480 Carrée à étirer

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



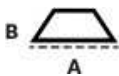
ULP1040 Joindresse

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 Barrette hot die

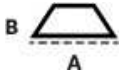
ULP	00	L mm	AxB mm
1060-HD-	1060HD-3-00	75	9.0 x 2.0



ULP1061 Barrette spécial

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

LIMES DE PRÉCISION - ULP



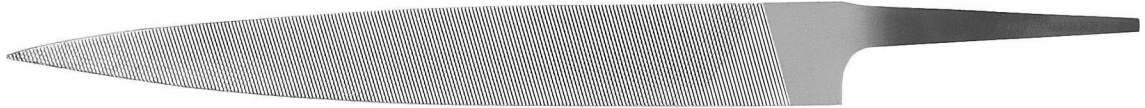
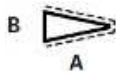
ULP1061 Barrette hot die

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



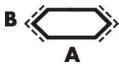
ULP1730 Pippin

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



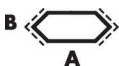
ULP1760 Couteau

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 À fendre avec queue

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 À fendre sans queue

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 Feuille de sauge

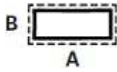
ULP	00	0	1	2	3	4	6	L mm	AxB mm
1960-3.5	-	-	-	1960-3.5-2	-	-	-	90	10.2 x 2.9
1960-4	-	1960-4-0	-	1960-4-2	-	1960-4-4	-	100	11.9 x 3.6
1960-6	1960-6-00	1960-6-0	1960-6-1	1960-6-2	1960-6-3	1960-6-4	1960-6-6	150	14.8 x 5.0
1960-8	1960-8-00	1960-8-0	1960-8-1	1960-8-2	-	-	-	200	21.3 x 6.3



ULP1990 Ovale



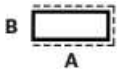
ULP	0	2	L mm	AxB mm
1990-6	1990-6-0	1990-6-2	150	8.6 x 4.4



ULP1292 Entrée



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



ULP5070 Plate 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



ASSORTIMENT

ULP	Kg
1094	0.250

Jeu de 5 limes.

ULP1560 - ULPV1132 - ULP1660 - ULP1060 - ULP1360



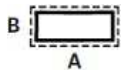
ASSORTIMENT

ULP	Kg
1095	1.550

Trousse de 37 limes pour mécanicien.

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

Limes aiguilles.



ULA2401 Pilier

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



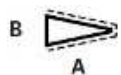
ULA2402 Mi-ronde

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



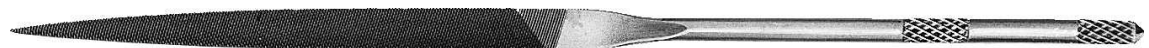
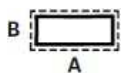
ULA2403 Feuille de sauge

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 Couteau

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 Entrée

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 Triangulaire



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 Carrée



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 Ovale



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 Ronde



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

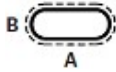


ULA	00	0	1	2	3	4	6	L mm	AxB mm
2411-100	-	2411-100-0	2411-100-1	2411-100-2	2411-100-3	2411-100-4	-	100	3.7 x 1.4
2411-140	-	2411-140-0	2411-140-1	2411-140-2	2411-140-3	2411-140-4	-	140	4.7 x 1.7
2411-160	2411-160-00	2411-160-0	2411-160-1	2411-160-2	2411-160-3	2411-160-4	2411-160-6	160	5.1 x 1.8
2411-180	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 A fendre

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



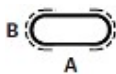
ULA2415 Crochet

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



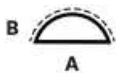
ULA2416 Pilier bords ronds

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



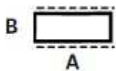
ULA2417 Coulisse bords ronds

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 Mi-ronde, dos seul taillé

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 Pour contact

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



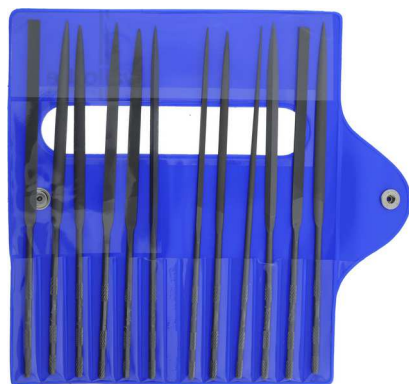
ULA2423 Ronde effilée

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



ULA2424 Barrette hot die

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



ASSORTIMENT

ULA	L mm	Kg
2400-A	160	0.111

Assortiment de 12 limes aiguilles 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

LIMES AIGUILLES - ULA / MICRO-LIMES - ULM



ASSORTIMENT

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

Assortiment de 6 limes aiguilles ULA244 :

ULA2401 - ULA2402 - ULA2407 - ULA2408 - ULA2410 - ULA2411



ASSORTIMENT

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

Assortiment de 12 limes aiguilles ULA248 :

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



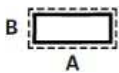
ASSORTIMENT

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

Assortiment de 12 limes aiguilles ULA249 :

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

Micro-limes.



ULM0910 Pilier

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



ULM0910 Ronde

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



ULE3004 Couteau pointu



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 Mi-ronde



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 Feuille de sauge



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 Barrette parallèle



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 Arrondir



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 Triangulaire



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

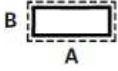
LIMES AUX ÉCHAPPEMENTS - ULE



ULE3015 Entrée de fourchette



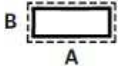
ULE	6	8	L mm	AxB mm
3015-55	3015-55-6	3015-55-8	55	4.4 x 0.8



ULE3016 Entrée



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



ULE3017 Pilier



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 Carrée



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 Ronde



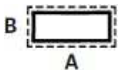
ULE	0	2	3	4	6	8	10	L mm	A mm
3021-55	3021-55-0	3021-55-2	3021-55-3	3021-55-4	3021-55-6	3021-55-8	3021-55-10	55	1.5
3021-65	-	3021-65-2	-	3021-65-4	3021-65-6	3021-65-8	-	65	2.0



ULE3026 Feuille de sauge à côtes



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 Égalir



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

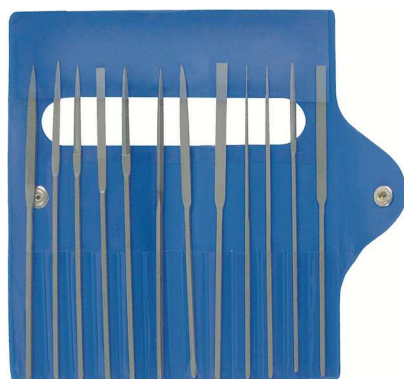


ASSORTIMENT

ULE	10	L mm	Kg
3080	3080-10	55	0.030

Assortiment de 6 limes aux échappements ULE3080 :

ULE3008 - ULE3010 - ULE3014 - ULE3017 - ULE3020 - ULE3021

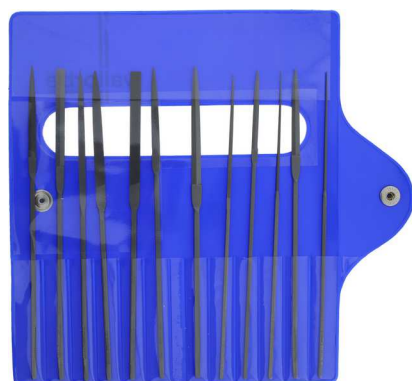


ASSORTIMENT

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

Assortiment de 12 limes aux échappements ULE3092 :

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



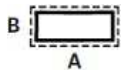
ASSORTIMENT

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

Assortiment de 12 limes aux échappements 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

Limes cabrons (limes aiguilles).



ULAC2401 Pilier

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



ULAC2402 Mi-ronde

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



ULAC2403 Feuille de sauge

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



ULAC2407 Triangulaire

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



ULAC2408 Carrée

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



ULAC2410 Ronde

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

Assortiment de 6 limes cabrons ULAC2462 :

ULAC2401 - ULAC2402 - ULAC2403 - ULAC2407 - ULAC2410 - ULAC2411

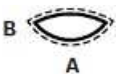
ASSORTIMENT

Limes cabrons (limes aux échappements).



ULEC3008 Mi-ronde

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



ULEC3009 Feuille de sauge

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



ULEC3010 Barrette

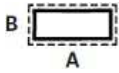
ULEC	G10	L mm	AxB mm
3010-55	3010-55-G10	55	3.9 x 1.2



ULEC3014 Triangulaire



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



ULEC3017 Pilier



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



ULEC3020 Carrée



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



ULEC3021 Ronde



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

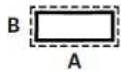


ULEC	G10	L mm	Kg
3062	3062-55-G10	55	0.026

Assortiment de 6 limes cabrons ULEC3062 :

ULEC3008 - ULEC3009 - ULEC3010 - ULEC3014 - ULEC3017 - ULEC3021

Limes aiguilles diamantées.



UDA8401 Pilier



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



UDA8402 Mi-ronde



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



UDA8407 Triangulaire



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



UDA8408 Carrée



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



UDA8410 Ronde



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



UDA8411 Barrette



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



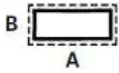
UDA	91	126	L mm	Kg
8432	8432-91	8432-126	140	0.035

Assortiment de 5 limes aiguilles diamantées UDA8432 :

UDA8401, UDA8402, UDA8407, UDA8408 et UDA8410.

ASSORTIMENT

LIMES DIAMANTÉES - UDA / UDD



UDA9401 Pilier



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



UDA9402 Mi-ronde



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



UDA9407 Triangulaire



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



UDA9408 Carrée



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



UDA9410 Ronde



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



ASSORTIMENT

UDA	91	L mm	Kg
9470	9470-91	140	0.035

Assortiment de 5 limes aiguilles diamantées UDA9470 :
UDA9401 - UDA9402 - UDA9407 - UDA9408 - UDA9410

Feuilles diamantées.



UDD	Grain	Dimensions	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

Feuille diamantée VALDIAMOND.
Grains 300 et 600 : usage universel
Grain 1000 : pour finition

Limes de fibres céramiques.



GLARDON  VALLORBE®

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

ULF	Grain 120	Grain 220	Grain 300	Grain 400	Grain 600	Grain 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



GLARDON  VALLORBE® LF1004-M-1000 19687

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

ULF	Grain 1000	Grain 1200	Grain 1500	Grain 2000	Grain 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



GLARDON  VALLORBE®

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

ULF	Grain 120	Grain 220	Grain 300	Grain 400	Grain 600	Grain 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



GLARDON  VALLORBE®

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

ULF	Grain 1000	Grain 1200	Grain 1500	Grain 2000	Grain 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 Carrée (grain 220...800)

ULF	Grain 120	Grain 220	Grain 300	Grain 400	Grain 600	Grain 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 Carrée (grain 1000...3000)

ULF	Grain 1000	Grain 1200	Grain 1500	Grain 2000	Grain 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

Échoppes.



ULO0401 Bord plat

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 Bord rond

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



ULO0406 Tranchante

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 Ovale

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



ULO0405 À biseau

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

Burins.



ULO0501 Carré

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 Losange

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

Grattoirs.



ULO0653 Triangulaire

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 Incurvé

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

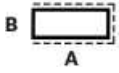
Brunissoirs.



ULO0788 Oval droit

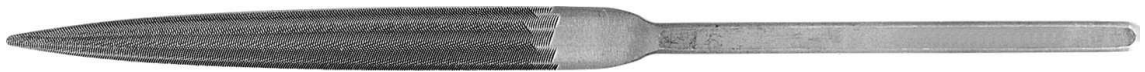
ULO	L mm	A x B mm
0788-3	75	6.5 x 3.5
0788-4	100	8.0 x 4.2

Limes HABILIS®.



ULH2601 Pilier

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



ULH2602 Mi-ronde

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



ULH2607 Triangulaire

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



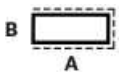
ULH2608 Carrée

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



ULH2610 Ronde

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



ULH2901 Pilier Multifile

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



ASSORTIMENT (ÉTUI)

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

Assortiment de 5 limes HABILIS® ULH2630 :
ULH2601 - ULH2602 - ULH2607 - ULH2608 - ULH2610

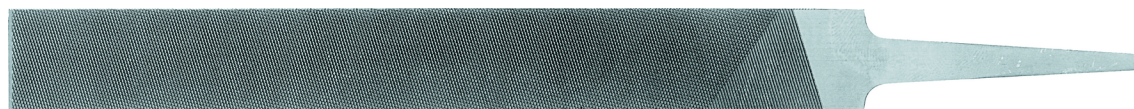


ULH	00	1	L mm	Kg
2631	2631-00	2631-1	215	0.140

Assortiment de 3 limes HABILIS® ULH2631 :
ULH2601 - ULH2602 - ULH2607

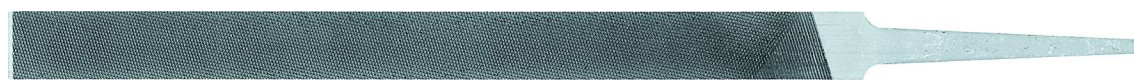
ASSORTIMENT (ÉTU)

Limes VALTITAN®.



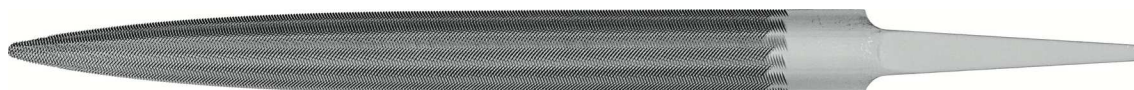
ULPV1163 Carrelette

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



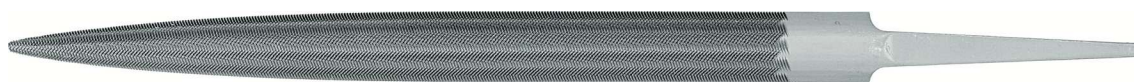
ULPV1132 Pilier 2 côtés

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 Mi-ronde

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 Mi-ronde effilée

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



ULPV1360 Triangulaire

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



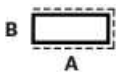
ULPV1660 Ronde pointue

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



ULPV1670 Ronde mottue

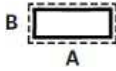
ULPV	0	L mm	A mm
1670-8	1670-8-0	200	7.5



ULPV1060 Barrette

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

Limes aiguilles VALTITAN®.



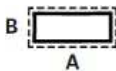
ULAV2401 Pilier

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 Mironde

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 Entrée

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 Triangulaire

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



ULAV2408 Carrée

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 Ronde

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

Assortiment de 6 limes aiguilles ULAV2495 :

ULAV2401 - ULAV2402 - ULAV2407 - ULAV2408 - ULAV2410 - ULAV2411

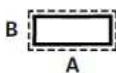
ASSORTIMENT (ÉTUI)

Rifloirs 150 mm.



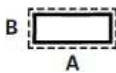
ULR12901 Barrette

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



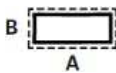
ULR12905 Plat pointu

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



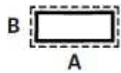
ULR12910 Plat

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



ULR12911 Plat

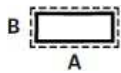
ULR	0	2	L mm	AxB mm	Kg
12911	12911-0	12911-2	150	2.0 x 1.2	0.008



ULR12912 Plat



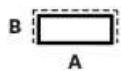
ULR	0	2	L mm	AxB mm	Kg
12912	12912-0	12912-2	150	2.6 x 1.5	0.008



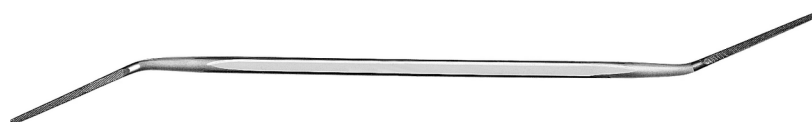
ULR12913 Plat



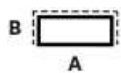
ULR	0	2	L mm	AxB mm	Kg
12913	12913-0	12913-2	150	2.6 x 1.5	0.008



ULR12914 Plat pointu



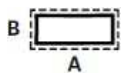
ULR	0	2	L mm	AxB mm	Kg
12914	12914-0	12914-2	150	3.4 x 1.5	0.008



ULR12915 Plat pointu



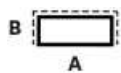
ULR	0	2	L mm	AxB mm	Kg
12915	12915-0	12915-2	150	3.4 x 1.5	0.008



ULR12916 Plat



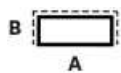
ULR	0	2	L mm	AxB mm	Kg
12916	12916-0	12916-2	150	3.0 x 3.0	0.008



ULR12917 Plat



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



ULR12918 Plat



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



ULR12930 Carré

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



ULR12940 Triangulaire

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



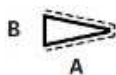
ULR12942 Triangulaire

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



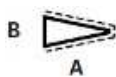
ULR12943 Triangulaire

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



ULR12951 Couteau

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



ULR12952 Couteau

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



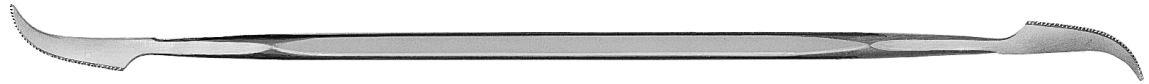
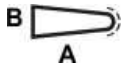
ULR12955 Pippin

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



ULR12956 Couteau filet plat

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



ULR12957 Couteau filet rond

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



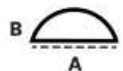
ULR 12961 Mi-rond

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



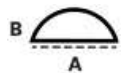
ULR12963 Mi-rond

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



ULR12964 Mi-rond

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



ULR12965 Mi-rond plat taillé

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



ULR12970 Feuille de sauge

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



ULR12972 Feuille de sauge

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



ULR12973 Feuille de sauge

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



ULR12974 Feuille de sauge

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



ULR12975 Feuille de sauge

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



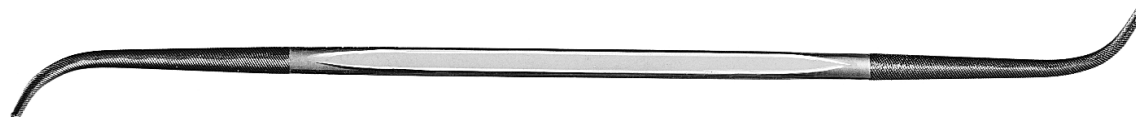
ULR12981 Rond

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 Rond

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

LIMES SPÉCIALES - ULH / ULPV / ULAV / ULR / URA



ULR12984 Rond

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



ULR12985 Rond

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



ULR12986 Rond

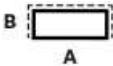
ULR	0	2	L mm	A mm
12986	12986-0	12986-2	150	2.6



ULR12987 Rond

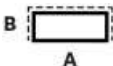
ULR	0	2	L mm	A mm
12987	12987-0	12987-2	150	3.2

Rifloirs 180 mm.



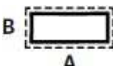
ULR12710 Plat

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



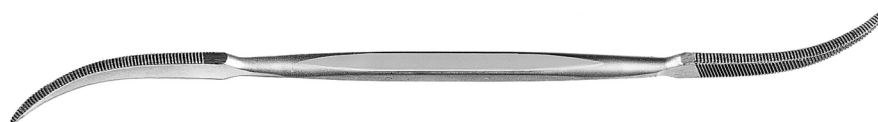
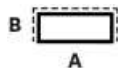
ULR12711 Plat

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



ULR12712 Plat pointu

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



ULR12713 Entrée

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



ULR12731 Carré

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



ULR12732 Carré

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



ULR12741 Triangulaire

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



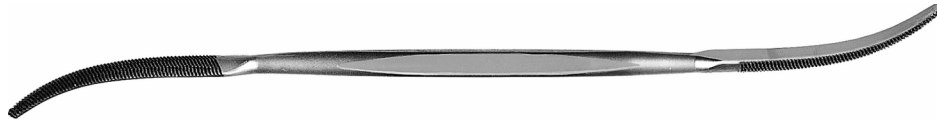
ULR12750 Couteau

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



ULR12761 Mi-rond

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



ULR12762 Mi-rond

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



ULR12763 Mi-rond

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



ULR12764 Mi-rond plat taillé

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



ULR12771 Feuille de sauge

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



ULR12781 Rond

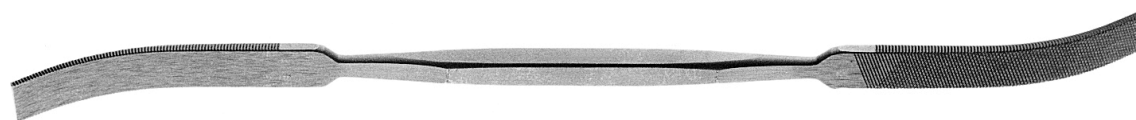
ULR	0	2	L mm	A mm
12781	12781-0	12781-2	180	4.8



ULR12790 Pippin

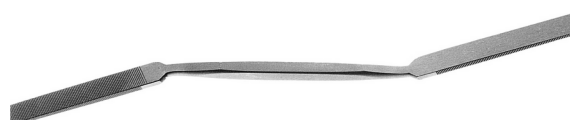
ULR	0	2	L mm	A mm
12790	12790-0	12790-2	180	8.2 x 4.0

Rifloirs 300 mm.



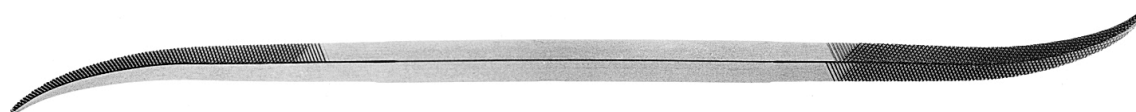
ULR12410 Plat

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



ULR12411 Plat

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



ULR12430 Carré

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



ULR12440 Triangulaire

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



ULR12450 Couteau

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



ULR12460 Mi-rond

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



ULR12480 Rond

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

Assortiments de rifloirs 150 et 180 mm.

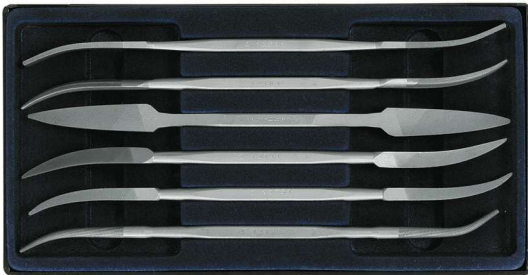


ULR	0	2	L mm	Kg
12156	12156-0	12156-2	150	0.093

Assortiment de 6 rifloirs ULR2156 :

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

ASSORTIMENT



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

Assortiment de 6 rifloirs ULR2186 :

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

ASSORTIMENT

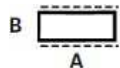
Râpes de précision.



URA5190 Ronde

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

Râpes HABILIS®.



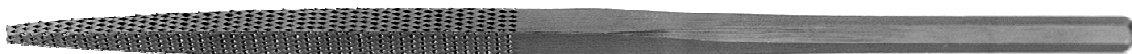
URA2701 Pilier

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



URA2702 Mi-ronde

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



URA2707 Triangulaire

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



URA2708 Carrée

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



URA 2710 Ronde

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



ASSORTIMENT (BLISTER)

URA	3	L mm	Kg
2730	2730-3	205	0.261

Assortiment de 5 râpes HABILIS® URA2730 :

URA2701 - URA2702 - URA2707 - URA2708 - URA2710

Manches pour limes.



UAL	Lime carrée	Lime ronde	Lime mi-rond	Lime triangulaire haut	Lime triangulaire droite	Lime rectangulaire	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

Manche plastique antiglissant avec douille filetée trempée.



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

Manche de précision pour limes aiguilles.



UAL	Ø	L mm	Kg
170	2-3 mm	86 mm	0.015

Manche pour limes aiguilles.



UAL	Lime carrée	Lime ronde	Lime mi-ronde	Lime triangulaire haut	Lime triangulaire droite	Lime rectangulaire	L mm	Kg
200	-	-	4"	-	4"	-	80 mm	0.020
400	6"	6"	5"	6"	5"	5"	100 mm	0.025
500	8"	8"	6"	8"	6"	6"	115 mm	0.040
600	10"	10"	8-10"	10"	8-10"	8-10"	125 mm	0.055

Manche en bois pour limes.

Manches pour limes de fibres céramiques.



UALF		Pour limes	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

Manche pour limes de fibres céramiques.