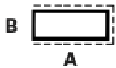


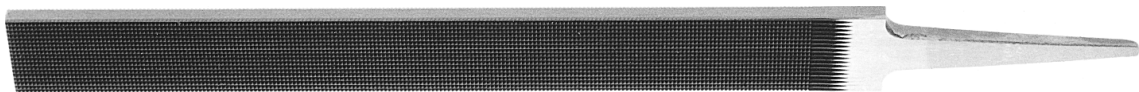
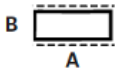
ULP1163 Carleta

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



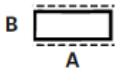
ULP1168 Carleta delgada

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



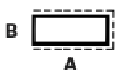
ULP1166 Carleta de estriar

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 Plana, 2 lados

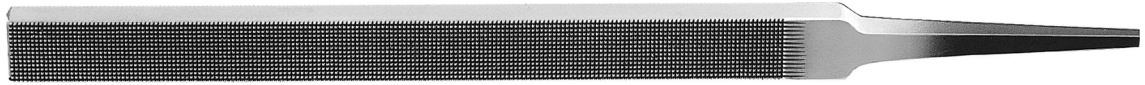
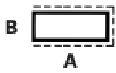
ULP	00	0	1	2	3	4	6	L mm	AxB mm
1132-4	1132-4-00	1132-4-0	-	1132-4-2	-	1132-4-4	-	100	9.5 x 2.5
1132-6	1132-6-00	1132-6-0	1132-6-1	1132-6-2	1132-6-3	1132-6-4	1132-6-6	150	12.0 x 4.0
1132-8	1132-8-00	1132-8-0	1132-8-1	1132-8-2	1132-8-3	1132-8-4	-	200	14.5 x 4.5
1132-10	1132-10-00	1132-10-0	1132-10-1	1132-10-2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



ULP1133 Plana, 3 lados

ULP	00	0	1	2	3	L mm	AxB mm
1133-4	1133-4-00	-	1133-4-1	1133-4-2	-	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

LIMAS DE PRECISIÓN - ULP



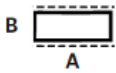
ULP1138 Plana delgada

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



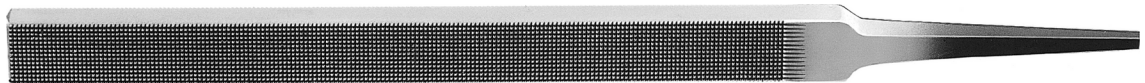
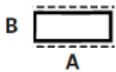
ULP1142 Plana estrecha

ULP	00	0	1	2	3	4	6	L mm	AxB mm
1142-4	-	1142-4-0	-	1142-4-2	-	1142-4-4	-	100	4.6 x 2.2
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



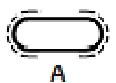
ULP1152 Plana muy estrecha

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



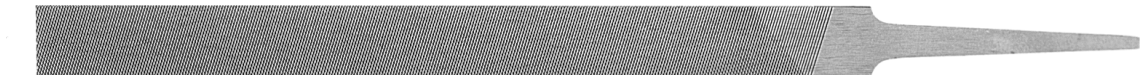
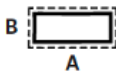
ULP1136 Plana de estriar

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



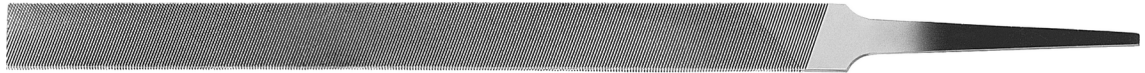
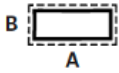
ULP1170 Plana, bordes redondos

ULP	2	L mm	A mm
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



ULP1180 Igualar normal

ULP	00	0	1	2	4	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	1180-6-00-2	1180-6-0-2	-	1180-6-2-2	-	150	13.0 x 2.0
1180-6	1180-6-00-2.8	1180-6-0-2.8	-	1180-6-2-2.8	1180-6-4-2.8	150	13.0 x 2.8
1180-8	-	1180-8-0-3.2	-	1180-8-2-3.2	-	200	16.0 x 3.2



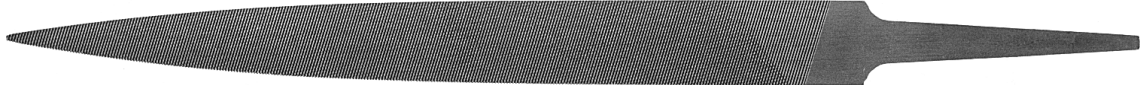
ULP1185 Igualar especial

ULP	2	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	1185-4-2-22	100	10.0 x 0.71
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



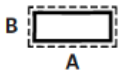
ULP1230 Gancho

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



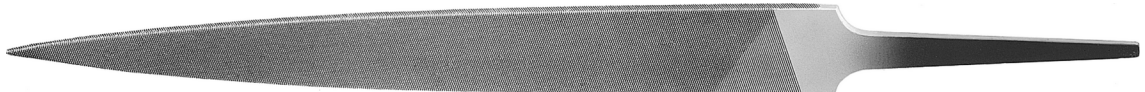
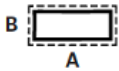
ULP1263 Plana de punta normal

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



ULP1265 Plana de punta especial

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



ULP1268 Plana delgada

ULP	000	00	0	2	4	L mm	AxB mm
1268-4	-	1268-4-00	1268-4-0	1268-4-2	1268-4-4	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 Plana para aluminio

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



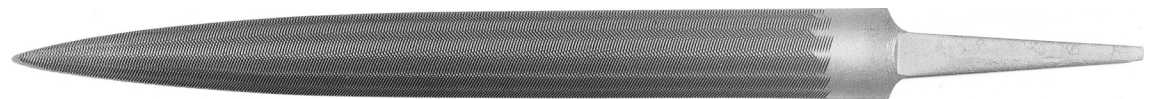
ULP1352 Mediacaña para aluminio

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



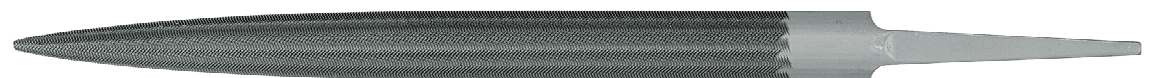
ULP1540 Mediacaña doble para la cera

ULP	L mm	AxB mm
1540-6	150	12.5 x 3.5
1540-7	175	12.5 x 3.5
1540-8	200	13.5 x 4.0



ULP1560 Mediacaña normal

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



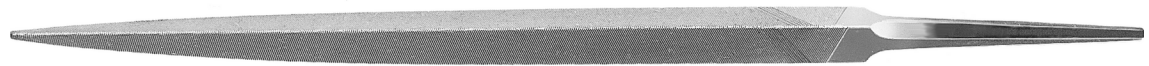
ULP1566 Mediacaña delgada para anillos

ULP	000	00	0	1	2	3	4	L mm	AxB mm
1566-6	-	1566-6-00	1566-6-0	1566-6-1	1566-6-2	1566-6-3	1566-6-4	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 Mediacaña muy delgada

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	-	1360-4-4	100	7.5
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
1360-8	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 delgada

ULP	0	1	2	3	L mm	A mm
1366-4	-	-	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 muy delgada

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



ULP1660 Redonda normal aguda

ULP	1	2	3	4	6	L mm	A mm
1660-4	-	1660-4-2	-	1660-4-4	-	100	3.9
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 Redonda muy delgada

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



ULP1669 Redonda cilíndrica

ULP	0	2	L mm	A mm
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	-	1669-6-2-2.4	150	2.4
1669-6	-	1669-6-2-3.2	150	3.2
1669-6	-	1669-6-2-4	150	4.0
1669-6	-	1669-6-2-4.8	150	4.8



ULP1670 Redonda normal



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



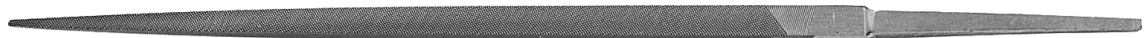
ULP1680 Redonda para taladrados de pivotes



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	-	62	1.6



ULP1464 Cuadrada aguda



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 Cuadrada punta plana



ULP	000	00	0	1	L mm	A mm
1474-4		1474-4-00	1474-4-0	-	100	3.6
1474-6		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	1474-10-000	1474-10-00	1474-10-0	1474-10-1	250	9.4



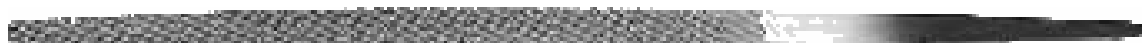
ULP1480 Cuadrada para taladros de pivotes



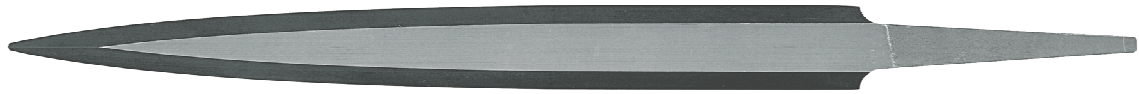
ULP	4	L mm	A mm
1480-2	1480-2-4	50	1.0



ULP1040 Slotting



ULP	00	0	L mm	A mm
1040-10	1040-10-0-10	1040-10-00-10	250	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



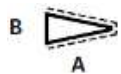
ULP1061 Barrette especial

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



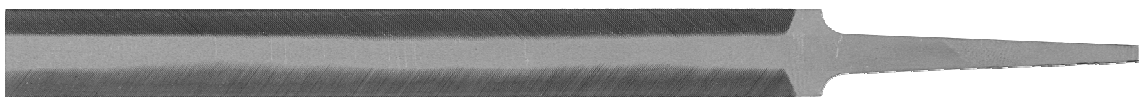
ULP1730 Pippin

ULP	2	4	L mm	AxB mm
1730-6	1730-6-2	1730-6-4	150	10.0 x 4.4
1730-8	1730-8-2	-	200	11.5 x 4.9



ULP1760 Cuchillo

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 De ranurar con espiga

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
1840-4	1840-4-00	1840-4-1	1840-4-2	-	1840-4-4	-	100	11.0



ULP1850 De ranurar sin espiga

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

LIMAS DE PRECISIÓN - ULP



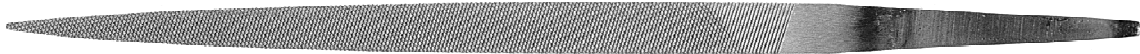
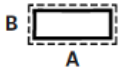
ULP1960 Almendra

ULP	00	0	1	2	3	4	L mm	AxB mm
1960-3.5	-	-	-	1960-3.5-2	-	1960-3.5-4	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	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 Plana de punta

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



SURTIDO

ULP	Kg
1095	1.550

Estuche de 37 limas para mecánicos.

ULA2401-180-2, ULA2402-180-0, ULA2403-160-2, ULA2405-160-0, ULA2406-160-00, ULA2409-160-2, ULA2410-180-0, ULA2411-160-1, ULH2601-00, ULH2602-00, ULH2607-00, ULH2608-00, ULH2610-00, ULH9602-0, ULO0653-4, ULP1060-8-1, ULP1133-8-2, ULP1163-8-000, ULP1263-6-2, ULP1360-6-00, ULP1360-8-00, ULP1464-6-2, ULP1474-8-0, ULP1560-6-4, ULP1560-8-4, ULP1670-6-0, ULP1670-8-00, ULP1730-6-2, ULP1960-4-2, ULP1960-8-1, ULR12711-2, ULR12730-2, ULR12741-2, ULR12781-0, ULR12901-2, ULR12918-2 y ULR12985-0.