

GLARDON®



vallorbe

*All you need is passion
& Glardon® tools!*

2024

Jewellery,
Watchmaking
& Industry

Bijouterie,
Horlogerie
& Industrie

Schmuck-
herstellung,
Uhrmacherei &
Industrie

Joyeria,
Relojeria
y Industria

125
years

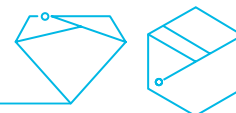
TOGETHER
working with passion

vallorbe®
SWISS



OUR MISSION

*Making your work easier and enhancing your professional knowledge,
consequently sharing our passion and love for quality files*



TOGETHER
working with passion

OUR VALUES



RESPECT

*Listening to each other,
respecting our commitments
and valuing everyone's work*



TEAM SPIRIT

*Together, as a family,
to reach our common targets,
with clear and transparent communication*



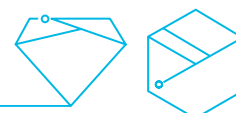
**RESULTS
ORIENTATED**

*Striving for excellence
in all our actions through discipline,
professionalism and continuous improvement*



PASSION

*Pride in our products,
of our long-lasting company,
and dedicated to support you
in your challenges*



AN INTERNATIONAL COMPANY

Market Leader



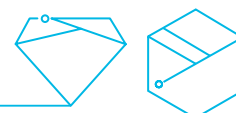
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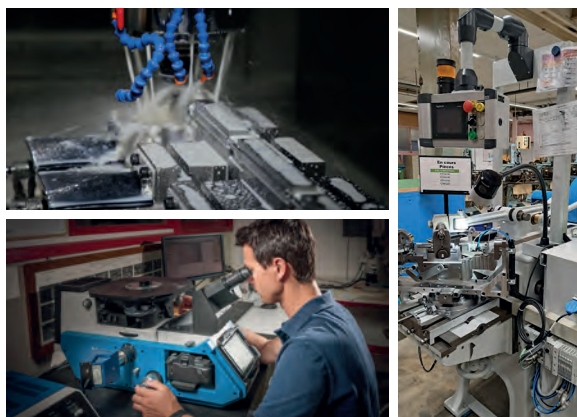
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QUALITY AND PERFORMANCE

Innovating is a priority for Vallorbe Swiss, not only in our production processes but also in our support departments :

- Our engineers and technical teams conceive and carry out major retrofits of our in-house cutting machines. They also focus on the replacement of key production tools by state-of-the-art modern technologies.
- At the same time, we focus on digitalization to improve the efficiency of our processes in all areas. On-going projects in administrative and production support departments are implemented to transform Vallorbe Swiss into an agility-driven company.





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Vallorbe Swiss® offers two different ranges of products.

The shapes and cuts of these products enable a wide range of applications for professionals, and hobbyists working with hard and soft material.

The steel of our files has a hardness of 66 HRC.

Vallorbe Swiss® offre deux différentes gammes de produits.

Les formes et tailles de nos outils offrent une large gamme d'applications et permettent de façonner les matériaux durs et tendres pour une utilisation variée.

Nos limes sont fabriquées avec un acier d'une dureté de 66 HRC.

Wir bieten zwei verschiedene Werkzeugserien an.

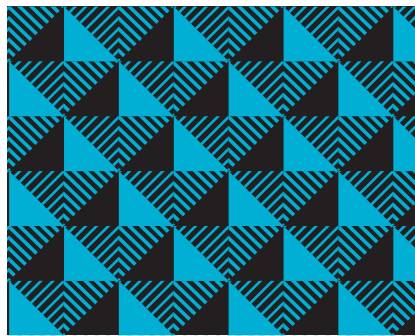
Die Formen und Hiebe dieser Produkte erlauben ein breites Spektrum von Anwendungen für Profis, sowie Amateure, die mit hartem und weichem Material für verschiedene Zwecke arbeiten.

Der Stahl unserer Feilen hat eine Härte von 66 HRC.

Le ofrecemos dos diferentes gamas de herramientas.

Las formas y los picados de estos productos permiten al profesional o «amateur» realizar una amplia gama de aplicaciones trabajando tanto materiales blandos como duros en diferentes usos.

El acero de nuestras limas tiene una dureza de 66 HRC.



The perfect solution, which combines quality and performance for demanding experts.

La solution parfaite qui allie qualité et performance, en réponse aux demandes des professionnels les plus exigeants.

Diese Produkte sind die perfekte Lösung, um die Anforderungen der anspruchsvollsten Profis zu erfüllen.

La perfecta solución para responder a las demandas de los profesionales y expertos más exigentes.



Vallorbe Swiss® proposes an intermediate swiss made range, with a price/performance solution, appropriated for some markets.

Vallorbe Swiss® vous propose une gamme intermédiaire, avec un rapport qualité/prix plus adapté à certains marchés.

Vallorbe Swiss® bietet Ihnen eine Swiss made Serie von zwischen Produkten, mit einem Preis-Leistung Verhältnis, besser geeignet für einige Märkte.

Sin comprometer la calidad, Vallorbe Swiss® le propone una gama de productos intermediaria Swiss made con una relación calidad/precio adecuado para ciertos mercados.

TOGETHER
working with passion



SCALE OF CUTS / ÉCHELLE DE TAILLES HIEBSKALA / SCALE OF PICADOS



To determine number of teeth [Z/cm]

*Swiss cut

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.

Détermination du nombre de dents [Z/cm]

*Taille suisse

Le nombre de dents (Z/cm) se compte perpendiculairement à la taille. Dans le tableau ci-contre 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.

Bestimmen der Zähnezahl [Z/cm]

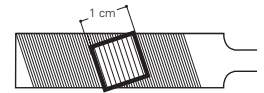
*Schweizer Hieb

Die Anzahl der Zähne (Z/cm) wird an der Hiebachse gemessen. Die Zahlen in der nachstehenden Tabelle stimmen mit der Anzahl der Zähne pro cm für einen bestimmten Hieb, Länge oder Typ überein. Beispiel: Feile 6" in Hieb 2 = 31 Z/cm.

Determinar el número de dientes [Z/cm]

*Picado suizo

El número de dientes (Z/cm) se cuenta perpendicularmente al picado. En la tabla las cifras corresponden al número de dientes por cm de un picado determinado, con un largo y tipo determinados. Ejemplo: limas de 6" en picado 2 = 31 Z/cm.



| | 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 |
|---|-----|----|----|----|----|----|----|------|------|-----|-----|-----|
| Precision files, lengths 1" to 3.5" Limes de précision, longueurs 1" à 3.5" Präzisionsfeilen, Längen 1" bis 3.5" Limas de precisión, largo 1" hasta 3.5" | | 20 | 25 | 31 | 38 | 46 | 55 | 68 | 84 | 100 | 116 | |
| Precision files, lengths 4" to 8" Limes de précision, longueurs 4" à 8" Präzisionsfeilen, Längen 4" bis 8" Limas de precisión, largo 4" hasta 8" | 12 | 16 | 20 | 25 | 31 | 38 | 46 | 56 | 68 | | | |
| Precision files, lengths 10" to 12" Limes de précision, longueurs 10" à 12" Präzisionsfeilen, Längen 10" bis 12" Limas de precisión, largo 10" hasta 12" | 9 | 12 | 16 | 20 | 25 | 31 | 38 | (46) | (56) | | | |
| Needle files Limes aiguilles Nadelfeilen Limas de aguja | | 20 | 25 | 31 | 38 | 46 | 56 | 68 | 84 | | | |
| Escapement files Limes aux échappements Hemmungsfeilen Limas de escape | | 20 | 25 | 31 | 38 | 46 | 56 | 68 | 84 | 100 | 116 | 156 |
| Habilis® files Limes Habilis® Habilis® Feilen Limas Habilis® | | 18 | 21 | 25 | 31 | | | | | | | |
| Rifflers 150 mm, files for machines Rifloirs 150 mm, limes pour machines Riffelfeilen 150 mm, Feilen für Maschinen Codillos 150 mm, limas para máquinas | | | 25 | | 38 | | | | | | | |
| Rifflers 180 mm and 300 mm Rifloirs 180 mm et 300 mm Riffelfeilen 180 mm und 300 mm Codillos 180 mm y 300 mm | | | 16 | | 25 | | | | | | | |



a) Length = L

The measuring points for length (L) vary from one type of file to another. It is therefore necessary to refer to diagram. The length is given in inches and/or mm.

a) Longueur = L

Les points de mesure de la longueur (L) varient d'un type de lime à l'autre. Il est donc nécessaire de se référer au schéma. La longueur est exprimée en pouces et/ou en mm.

a) Länge = L

Die Längen (L) variieren je nach Feilentyp. Es ist somit unerlässlich, sich auf das Schema zu beziehen. Die Länge wird in Zoll, und/oder in mm ausgedrückt.

a) Largo = L

Los puntos de medición del largo (L) varían de un tipo de lima al otro. De este modo es imprescindible referirse al esquema. El largo se mide en pulgadas y/o en mm.

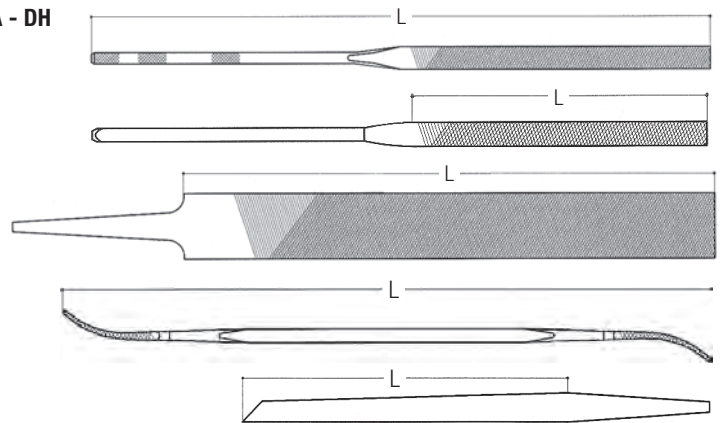
LA - LAC - LAM - LAV - LH - DA - DH

LE - LEC

LP - LPV - LQ - RA

LR

LO



b) 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 LP, LPV, LA, LE, LAM, LAV, LH, LR, LQ, LO and RA: these dimensions are always measured at the widest uncut section.

For the items LAC, LEC, DA and DH: the dimensions are measured at the widest finished section and these are average values which depend on the number of the teeth.

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

Tolerances: on request.

 = dimension measured on the cut section.

b) 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 LP, LPV, LA, LE, LAM, LAV, LH, LR, LQ, LO, LQ et RA: ces dimensions sont toujours mesurées sur la partie non taillée la plus large.

Pour les articles LAC, LEC, DA et DH: les dimensions sont mesurées sur la partie finie la plus large et sont des valeurs moyennes suivant le n° de taille.

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

Tolérances: sur demande.

 = cotes sur taille.

b) Breite x Dicke = A x B

Breite und Dicke der Feilen werden angegeben mit:

- **A** = grundsätzliche Breite oder Durchmesser
- **B** = grundsätzliche Dicke

Für die Artikel LP, LPV, LA, LE, LAM, LAV, LH, LR, LQ, LO und RA werden diese Maße immer an der breitesten Stelle des ungehauenen Teils gemessen.

Für die Artikel LAC, LEC, DA und DH werden die Maße an der breitesten Stelle des fertigen Teils gemessen und sind Mittelwerte gemäß der Hiebsnummer.

Alle Maße A und B in diesem Katalog werden in mm ausgedrückt und sind nur zur Orientierung.

Toleranzen: auf Anfrage.

 = Abmessung über den Hieb.

b) Ancho x espesor = A x B

El ancho y el espesor de las limes se expresan con:

- **A** = en principio ancho o diámetro
- **B** = para las secciones que lo necesitan: en principio espesor

Para los artículos LP, LPV, LA, LE, LAM, LAV, LH, LR, LQ, LO y RA estas dimensiones siempre se miden sobre la parte sin picado más ancha.

Para los artículos LAC, LEC, DA y DH, las dimensiones se miden sobre la parte acabada más ancha, son valores medios según el número del picado.

Todas las dimensiones A y B mencionadas en este catálogo se expresan en mm y su valor es puramente indicativo.

Tolerancias: bajo petición.

 = medida sobre picado.



LP1163

Hand / Carrelette
Ansatz / Carleta

Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | L = "/mm | A x B = mm | |
|---------------|--------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|---------------|----|
| | LP1163-4-00 | LP1163-4-0 | LP1163-4-1 | LP1163-4-2 | LP1163-4-3 | LP1163-4-4 | | LP1163-4-6 | 4 / 100 | 12.5 x 3.0 | 12 |
| LP1163-6-000 | LP1163-6-00 | LP1163-6-0 | LP1163-6-1 | LP1163-6-2 | LP1163-6-3 | LP1163-6-4 | LP1163-6-5 | LP1163-6-6 | 6 / 150 | 18.5 x 4.0 | 12 |
| LP1163-8-000 | LP1163-8-00 | LP1163-8-0 | LP1163-8-1 | LP1163-8-2 | LP1163-8-3 | LP1163-8-4 | | | 8 / 200 | 21.3 x 4.8 | 12 |
| LP1163-10-000 | LP1163-10-00 | LP1163-10-0 | LP1163-10-1 | LP1163-10-2 | LP1163-10-3 | | | | 10 / 250 | 25.3 x 6.3 | 12 |
| LP1163-12-000 | LP1163-12-00 | LP1163-12-0 | LP1163-12-1 | LP1163-12-2 | | | | | 12 / 300 | 29.3 x 7.8 | 6 |

LP1168

Thin hand / Carrelette mince
Ansatz dünn / Carleta delgada

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | L = "/mm | A x B = mm | |
|-------------|------------|------------|------------|-------------|---------------|----|
| | LP1168-5-0 | | | 5 / 125 | 14.5 x 1.7 | 12 |
| LP1168-6-00 | LP1168-6-0 | LP1168-6-1 | LP1168-6-2 | 6 / 150 | 16.5 x 2.0 | 12 |

LP1166

Hand chequering / Carrelette à canneler
Kannelier Ansatz / Carleta para estriar

Cut / Taille / Hieb / Picado

| 00 (8) | 0 (12) | 1 (16) | 2 (20) | L = "/mm | A x B = mm | |
|-------------|------------|------------|------------|-------------|---------------|----|
| LP1166-6-00 | LP1166-6-0 | LP1166-6-1 | LP1166-6-2 | 6 / 150 | 19.0 x 5.2 | 12 |
| | LP1166-8-0 | LP1166-8-1 | LP1166-8-2 | 8 / 200 | 22.0 x 5.2 | 12 |

LP1132

Regular pillar 2 sides cut
Pilier ordinaire 2 côtés
Stiften normal 2 Seiten / Plana paralela normal con picado s.2 lad

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 | L = "/mm | A x B = mm | |
|--------------|-------------|-------------|-------------|------------|------------|------------|-------------|---------------|----|
| LP1132-4-00 | LP1132-4-0 | | LP1132-4-2 | | LP1132-4-4 | | 4 / 100 | 9.5 x 2.5 | 12 |
| LP1132-6-00 | LP1132-6-0 | LP1132-6-1 | LP1132-6-2 | LP1132-6-3 | LP1132-6-4 | LP1132-6-6 | 6 / 150 | 12.0 x 4.0 | 12 |
| LP1132-8-00 | LP1132-8-0 | LP1132-8-1 | LP1132-8-2 | LP1132-8-3 | LP1132-8-4 | | 8 / 200 | 14.5 x 4.5 | 12 |
| LP1132-10-00 | LP1132-10-0 | LP1132-10-1 | LP1132-10-2 | | | | 10 / 250 | 17.5 x 5.3 | 12 |
| LP1132-12-00 | LP1132-12-0 | | | | | | 12 / 300 | 19.3 x 6.3 | 6 |

LP1133

Regular pillar 3 sides cut
Pilier ordinaire 3 côtés
Stiften normal 3 Seiten / Plana paralela normal con picado s.3 lad

Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | L = "/mm | A x B = mm | |
|--------------|--------------|-------------|-------------|-------------|------------|------------|------------|-------------|---------------|----|
| | LP1133-4-00 | | LP1133-4-1 | LP1133-4-2 | | LP1133-4-4 | LP1133-4-5 | 4 / 100 | 9.5 x 2.5 | 12 |
| LP1133-6-000 | LP1133-6-00 | LP1133-6-0 | LP1133-6-1 | LP1133-6-2 | LP1133-6-3 | | | 6 / 150 | 12.0 x 4.0 | 12 |
| | LP1133-8-00 | LP1133-8-0 | LP1133-8-1 | LP1133-8-2 | | | | 8 / 200 | 14.5 x 4.5 | 12 |
| | LP1133-10-00 | LP1133-10-0 | LP1133-10-1 | LP1133-10-2 | | | | 10 / 250 | 17.5 x 5.3 | 12 |



LP1138

Pillar thin / Pilier mince
Stiften dünn / Plana paralela delgada

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 |
|-------------|------------|------------|------------|
| LP1138-6-00 | LP1138-6-0 | LP1138-6-1 | LP1138-6-2 |

| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 10.5 x 2.4 | 12 |



LP1142

Pillar slim / Pilier étroit
Stiften schmal / Plana paralela estrecha

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 |
|-------------|-------------|-------------|------------|------------|------------|------------|
| LP1142-6-00 | LP1142-6-0 | LP1142-6-1 | LP1142-6-2 | LP1142-6-3 | LP1142-6-4 | LP1142-6-6 |
| LP1142-8-00 | LP1142-8-0 | LP1142-8-1 | LP1142-8-2 | LP1142-8-4 | | |
| | LP1142-10-0 | LP1142-10-2 | | | | |

| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 6.5 x 3.0 | 12 |
| 8 / 200 | 8.3 x 3.5 | 12 |
| 10 / 250 | 9.3 x 4.3 | 12 |



LP1152

Pillar extra slim / Pilier très étroit
Stiften sehr schmal / Plana paralela muy estrecha

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 4 | 6 |
|--------------|-------------|------------|-------------|------------|------------|
| LP1152-4-00 | LP1152-4-0 | | LP1152-4-2 | | |
| LP1152-6-00 | LP1152-6-0 | LP1152-6-1 | LP1152-6-2 | LP1152-6-4 | LP1152-6-6 |
| LP1152-8-00 | LP1152-8-0 | LP1152-8-1 | LP1152-8-2 | | |
| LP1152-10-00 | LP1152-10-0 | | LP1152-10-2 | | |

| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 4 / 100 | 3.7 x 1.7 | 12 |
| 6 / 150 | 4.5 x 2.5 | 12 |
| 8 / 200 | 6.3 x 2.8 | 12 |
| 10 / 250 | 8.3 x 3.8 | 12 |



LP1136

Pillar chequering / Pilier à canneler
Kannelier Stiften / Plana paralela para estriar

Cut (raws/cm) / Taille (rayes/cm) / Hieb (Fäden/cm) / Picado (rayas/cm)

| 00 (8) | 0 (12) | 1 (16) | 2 (20) | 4 (30) |
|-------------|------------|------------|------------|------------|
| LP1136-6-00 | LP1136-6-0 | LP1136-6-1 | LP1136-6-2 | LP1136-6-4 |

| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 12.4 x 4.5 | 12 |



LP1170

Round edges joint file
Coulisse bords ronds
Scharnierfeile runde Kanten / Lima de charnela con bordes redondos

Thickness / Epaisseur / Dicke / Espesor = mm

| 0.3 | 0.4 | 0.5 | 0.6 |
|----------------|----------------|----------------|----------------|
| LP1170-4-2-0,3 | LP1170-4-2-0,4 | LP1170-4-2-0,5 | LP1170-4-2-0,6 |

| L = "/mm | A = mm | |
|-------------|--------|----|
| 4 / 100 | 10.0 | 12 |



LP1171

Round edges joint file
Coulisse bords ronds
Scharnierfeile runde Kanten / Lima de charnela con bordes redondos

Thickness / Epaisseur / Dicke / Espesor = mm

| 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.5 | 2.0 |
|----------------|----------------|----------------|--------------|----------------|----------------|----------------|--------------|
| LP1171-4-2-0,7 | LP1171-4-2-0,8 | LP1171-4-2-0,9 | LP1171-4-2-1 | LP1171-4-2-1,1 | LP1171-4-2-1,2 | LP1171-4-2-1,5 | LP1171-4-2-2 |

| L = "/mm | A = mm | |
|-------------|--------|----|
| 4 / 100 | 10.0 | 12 |





LP1180

Equalling / Egalir ordinaire
Ausgleich normal / De igualar normal
Cut / Taille / Hieb / Picado



| 0 | 1 | 2 | L = "/mm | A x B = mm | |
|----------------|----------------|----------------|-------------|------------|----|
| LP1180-4-0-2 | | LP1180-4-2-2 | 4 / 100 | 10.0 x 2.0 | 12 |
| | LP1180-5-1-1,7 | | 5 / 125 | 12.0 x 1.7 | 12 |
| LP1180-6-0-2 | | LP1180-6-2-2 | 6 / 150 | 13.0 x 2.0 | 12 |
| LP1180-6-0-2,8 | | LP1180-6-2-2,8 | 6 / 150 | 13.0 x 2.8 | 12 |
| LP1180-8-0-3,2 | | LP1180-8-2-3,2 | 8 / 200 | 16.0 x 3.2 | 12 |

LP1185

Equalling special thickness
Egalir spécial
Ausgleich spezial / De igualar especial
Cut / Taille / Hieb / Picado



| 2 | 4 | L = "/mm | A x B = mm | |
|---------------|---------------|-------------|-------------|----|
| | LP1185-4-4-30 | 4 / 100 | 10.0 x 0.31 | 12 |
| LP1185-4-2-28 | | 4 / 100 | 10.0 x 0.38 | 12 |
| LP1185-4-2-26 | | 4 / 100 | 10.0 x 0.46 | 12 |
| LP1185-4-2-24 | | 4 / 100 | 10.0 x 0.56 | 12 |
| LP1185-4-2-21 | | 4 / 100 | 10.0 x 0.81 | 12 |
| LP1185-4-2-20 | | 4 / 100 | 10.0 x 0.91 | 12 |

LP1230

Crochet / Crochet
Flachspitz runde Kanten / Gancho
Cut / Taille / Hieb / Picado



| 0 | 1 | 2 | L = "/mm | A x B = mm | |
|------------|------------|------------|-------------|---------------|----|
| | | LP1230-4-2 | 4 / 100 | 7.5 x 2.2 | 12 |
| LP1230-6-0 | LP1230-6-1 | LP1230-6-2 | 6 / 150 | 10.0 x 3.1 | 12 |
| LP1230-8-0 | | | 8 / 200 | 12.5 x 4.2 | 12 |

LP1263

Warding / Entrée ordinaire
Flachspitz normal / Plana de punta normal
Cut / Taille / Hieb / Picado



| 0 | 2 | 4 | L = "/mm | A x B = mm | |
|------------|------------|------------|-------------|---------------|----|
| LP1263-6-0 | LP1263-6-2 | LP1263-6-4 | 6 / 150 | 15.4 x 3.5 | 12 |

LP1265

Warding special thickness
Entrée spéciale
Flachspitz spezial / Plana punta especial
Cut / Taille / Hieb / Picado



| 0 | L = "/mm | A x B = mm | |
|---------------|-------------|-------------|----|
| LP1265-6-0-16 | 6 / 150 | 15.4 x 1.65 | 12 |

LP1268

Warding thin / Entrée mince
Flachspitz dünn / Plana punta delgada
Cut / Taille / Hieb / Picado



| 000 | 00 | 0 | 2 | 4 | L = "/mm | A x B = mm | |
|--------------|-------------|------------|------------|------------|-------------|---------------|----|
| | | LP1268-4-0 | LP1268-4-2 | | 4 / 100 | 12.4 x 1.0 | 12 |
| LP1268-6-000 | LP1268-6-00 | LP1268-6-0 | LP1268-6-2 | LP1268-6-4 | 6 / 150 | 15.4 x 1.7 | 12 |



LP1560

Halfround ordinary / Mironde ordinaire
Halbrund normal / Media caña normal



Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | L = "/mm | A x B = mm | |
|--------------|-------------|--------------|-------------|-------------|------------|------------|------------|------------|-------------|---------------|----|
| | | LP1560-4-00 | LP1560-4-0 | LP1560-4-1 | LP1560-4-2 | LP1560-4-3 | LP1560-4-4 | | 4 / 100 | 12.7 x 3.5 | 12 |
| | | LP1560-5-00 | LP1560-5-0 | LP1560-5-1 | LP1560-5-2 | LP1560-5-3 | LP1560-5-4 | LP1560-5-5 | 5 / 125 | 13.1 x 4.1 | 12 |
| LP1560-6-000 | LP1560-6-00 | LP1560-6-0 | LP1560-6-1 | LP1560-6-2 | LP1560-6-3 | LP1560-6-4 | LP1560-6-5 | LP1560-6-6 | 6 / 150 | 15.1 x 4.7 | 12 |
| LP1560-8-000 | LP1560-8-00 | LP1560-8-0 | LP1560-8-1 | LP1560-8-2 | LP1560-8-3 | LP1560-8-4 | | | 8 / 200 | 21.1 x 6.3 | 12 |
| | | LP1560-10-00 | LP1560-10-0 | LP1560-10-1 | | | | | 10 / 250 | 25.5 x 7.5 | 12 |

LP1566

Halfround slim / Mironde effilée
Halbrund schlank / Media caña delgada



Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | 2 | 3 | 4 | 5 | L = "/mm | A x B = mm | | |
|--------------|----|--------------|-------------|------------|-------------|------------|------------|-------------|---------------|------------|----|
| | | LP1566-6-00 | LP1566-6-0 | LP1566-6-1 | LP1566-6-2 | LP1566-6-3 | LP1566-6-4 | LP1566-6-5 | 6 / 150 | 12.7 x 3.5 | 12 |
| LP1566-8-000 | | LP1566-8-0 | LP1566-8-1 | | | | | | 8 / 200 | 15.2 x 4.8 | 12 |
| | | LP1566-10-00 | LP1566-10-0 | | LP1566-10-2 | | | | 10 / 250 | 15.2 x 4.8 | 12 |

LP1567

Halfround extra narrow / Mironde très effilée
Halbrund sehr schlank / Media caña muy delgada



Cut / Taille / Hieb / Picado

| 0 | 2 | 4 | L = "/mm | A x B = mm | |
|------------|------------|------------|-------------|---------------|----|
| LP1567-6-0 | LP1567-6-2 | LP1567-6-4 | 6 / 150 | 9.8 x 2.8 | 12 |

LP1360

Three-square / Triangulaire
Dreikant / Triangular



Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | 2 | 3 | 4 | L = "/mm | A = mm | |
|--------------|-------------|--------------|------------|-------------|------------|------------|-------------|-----------|----|
| | | | | | | LP1360-4-4 | 4 / 100 | 7.5 | 12 |
| | | | | LP1360-4-2 | | | 4 / 100 | 7.5 | 12 |
| | | LP1360-5-0 | | | | | 5 / 125 | 8.3 | 12 |
| LP1360-6-000 | LP1360-6-00 | LP1360-6-0 | LP1360-6-1 | LP1360-6-2 | LP1360-6-3 | LP1360-6-4 | 6 / 150 | 10.3 | 12 |
| | | | | | | LP1360-7-4 | 7 / 175 | 12.2 | 12 |
| LP1360-8-000 | LP1360-8-00 | LP1360-8-0 | LP1360-8-1 | LP1360-8-2 | | LP1360-8-4 | 8 / 200 | 14.2 | 12 |
| | | LP1360-10-00 | | LP1360-10-1 | | | 10 / 250 | 17.2 | 12 |

LP1366

Three-square narrow / Triangulaire effilée
Dreikant schmal / Triangular delgada



Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | L = "/mm | A = mm | |
|-------------|------------|------------|------------|------------|-------------|-----------|----|
| LP1366-4-00 | | LP1366-4-1 | LP1366-4-2 | | 4 / 100 | 5.8 | 12 |
| | LP1366-6-0 | LP1366-6-1 | LP1366-6-2 | LP1366-6-3 | 6 / 150 | 8.3 | 12 |

LP1367

Three-square extra narrow / Triangulaire très effilée
Dreikant sehr schmal / Triangular muy delgada



Cut / Taille / Hieb / Picado

| 0 | 2 | L = "/mm | A = mm | |
|------------|------------|-------------|-----------|----|
| LP1367-6-0 | LP1367-6-2 | 6 / 150 | 7.5 | 12 |



LP1660

Round pointed / Ronde ordinaire pointue
Rund normal spitz / Redonda normal aguda

Cut / Taille / Hieb / Picado

| 2 | 4 | 1 | 3 | 6 | L = "/mm | Ø = mm | |
|------------|------------|------------|------------|------------|-------------|-----------|----|
| LP1660-4-2 | LP1660-4-4 | | | | 4 / 100 | 3.9 | 12 |
| LP1660-5-2 | | | | | 5 / 125 | 4.9 | 12 |
| LP1660-6-2 | LP1660-6-4 | LP1660-6-1 | LP1660-6-3 | LP1660-6-6 | 6 / 150 | 5.8 | 12 |
| LP1660-8-2 | LP1660-8-4 | LP1660-8-1 | | | 8 / 200 | 7.8 | 12 |



LP1667

Round extra slim / Ronde très effilée
Rund sehr dünn / Redonda muy delgada

Cut / Taille / Hieb / Picado

| 1 | 0 | L = "/mm | Ø = mm | |
|------------|------------|-------------|-----------|----|
| LP1667-3-1 | | 3 / 75 | 1.5 | 12 |
| | LP1667-6-0 | 6 / 150 | 3.9 | 12 |



LP1669

Round cylindrical / Ronde cylindrique
Rund zylindrisch / Redonda cilíndrica

Cut / Taille / Hieb / Picado

| 0 | 2 | 3 | L = "/mm | Ø = mm | |
|----------------|----------------|----------------|-------------|------------|----|
| | | LP1669-4-3-1,0 | 4 / 100 | 1.00 | 12 |
| LP1669-4-0-1,6 | LP1669-4-2-1,6 | | 4 / 100 | 1.60 | 12 |
| LP1669-4-0-3 | LP1669-4-2-3 | | 4 / 100 | 3.00 | 12 |
| LP1669-6-0-2,4 | LP1669-6-2-2,4 | | 6 / 150 | 2.40 | 12 |
| LP1669-6-0-3,2 | LP1669-6-2-3,2 | | 6 / 150 | 3.20 | 12 |
| LP1669-6-0-4 | LP1669-6-2-4 | | 6 / 150 | 4.00 | 12 |
| LP1669-6-0-4,8 | LP1669-6-2-4,8 | | 6 / 150 | 4.80 | 12 |



LP1670

Round ordinary blunt / Ronde ordinaire mottue
Rund normal stumpf / Redonda normal punta plana

Cut / Taille / Hieb / Picado

| 0 | 00 | 000 | 1 | L = "/mm | Ø = mm | |
|-------------|-------------|---------------|-------------|-------------|-----------|----|
| LP1670-4-0 | LP1670-4-00 | | | 4 / 100 | 3.9 | 12 |
| LP1670-5-0 | LP1670-5-00 | | | 5 / 125 | 4.8 | 12 |
| LP1670-6-0 | LP1670-6-00 | LP1670-6-000 | | 6 / 150 | 5.8 | 12 |
| LP1670-8-0 | LP1670-8-00 | LP1670-8-000 | | 8 / 200 | 7.5 | 12 |
| LP1670-10-0 | | LP1670-10-000 | LP1670-10-1 | 10 / 250 | 9.4 | 12 |



LP1680

Round seconds hole / Ronde à étirer
Rundfeile für Zapfenlöcher / Redonda para taladros de pivotes

Cut / Taille / Hieb / Picado

| 2 | 4 | L = "/mm | Ø = mm | |
|--------------|------------|-------------|-----------|----|
| LP1680-1,5-2 | | 1.5 / 38 | 1.0 | 12 |
| LP1680-2-2 | LP1680-2-4 | 2 / 50 | 1.0 | 12 |
| LP1680-2,5-2 | | 2.5 / 63 | 1.6 | 12 |





LP1464

Square pointed / Carrée pointue
Vierkant spitz / Cuadrada aguda
Cut / Taille / Hieb / Picado

| 1 | 2 | 3 | L = "/mm | A = mm | |
|------------|------------|------------|-------------|-----------|----|
| LP1464-6-1 | LP1464-6-2 | LP1464-6-3 | 6 / 150 | 5.5 | 12 |
| LP1464-8-1 | LP1464-8-2 | | 8 / 200 | 7.5 | 12 |



LP1474

Square blunt / Carrée mottue
Vierkant stumpf / Cuadrada punta plana
Cut / Taille / Hieb / Picado

| 000 | 00 | 0 | 1 | L = "/mm | A = mm | |
|--------------|--------------|-------------|-------------|-------------|-----------|----|
| | LP1474-4-00 | LP1474-4-0 | | 4 / 100 | 3.6 | 12 |
| LP1474-6-000 | LP1474-6-00 | LP1474-6-0 | | 6 / 150 | 5.5 | 12 |
| LP1474-8-000 | LP1474-8-00 | LP1474-8-0 | | 8 / 200 | 7.5 | 12 |
| | LP1474-10-00 | LP1474-10-0 | LP1474-10-1 | 10 / 250 | 9.4 | 12 |



LP1480

Square seconds hole / Carrée à étirer
Vierkantfeile f. Zapfenlöcher / Cuadrada para taladros de pivotes
Cut / Taille / Hieb / Picado

| 4 | L = "/mm | A = mm | |
|------------|-------------|-----------|----|
| LP1480-2-4 | 2 / 50 | 1.0 | 12 |



LP1040

Slotting / Joindresse
Bibeaufeile / Lima bibeau para armeros
Cut / Taille / Hieb / Picado

| 00 | 0 | L = "/mm | A x B = mm | |
|-----------------|----------------|-------------|---------------|----|
| LP1040-8-00 | LP1040-8-0 | 8 / 200 | 7.5 x 7.5 | 12 |
| LP1040-10-00-10 | LP1040-10-0-10 | 10 / 250 | 9.5 x 9.5 | 12 |



LP1060

Barrette / Barrette
Barett / Barrete
Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | L = "/mm | A x B = mm | |
|-------------|------------|------------|------------|------------|------------|-------------|---------------|----|
| LP1060-4-00 | LP1060-4-0 | LP1060-4-1 | LP1060-4-2 | | | 4 / 100 | 12.4 x 2.6 | 12 |
| | | | LP1060-5-2 | | | 5 / 125 | 14.0 x 3.0 | 12 |
| LP1060-6-00 | LP1060-6-0 | LP1060-6-1 | LP1060-6-2 | LP1060-6-3 | LP1060-6-4 | 6 / 150 | 15.5 x 3.5 | 12 |
| LP1060-8-00 | LP1060-8-0 | LP1060-8-1 | | | | 8 / 200 | 21.4 x 5.0 | 12 |





LP1060HD

Hot die barrette / Barrette hot die
Hot die Barett / Hot die barrete
Cut / Taille / Hieb / Picado

| 00 | L = "/mm | A x B = mm | |
|---------------|-------------|---------------|----|
| LP1060HD-3-00 | 3 / 75 | 9.0 x 2.0 | 12 |







| LP1061 | | | | | | | | |  |
|---|--|------------|--|------------|--|--|-------------|---------------|---|
| Barrette special / Barrette spéciale Barett spezial / Barrete especial Cut / Taille / Hieb / Picado | | | | | | | | | |
| 1 | | 4 | | 6 | | | L = "/mm | A x B = mm |  |
| LP1061-3-1 | | LP1061-3-4 | | LP1061-3-6 | | | 3 / 75 | 9.0 x 1.8 | 12 |



| LP1062 | | | | | | | | |  |
|---|--|--|--|--|--|--|-------------|---------------|---|
| Hot die barrette / Barrette hot die Hot die Barett / Barrete hot die Cut / Taille / Hieb / Picado | | | | | | | | | |
| 00 | | | | | | | L = "/mm | A x B = mm |  |
| LP1062-4-00 | | | | | | | 4 / 100 | 12.4 x 2.6 | 12 |

| LP1730 | | | | | | | | |  |
|--|--|------------|--|--|--|--|-------------|---------------|---|
| Pippin / Pippin Spitzkugel / Oval con borde redondo Cut / Taille / Hieb / Picado | | | | | | | | | |
| 2 | | 4 | | | | | L = "/mm | A x B = mm |  |
| LP1730-6-2 | | LP1730-6-4 | | | | | 6 / 150 | 10.0 x 4.4 | 12 |

| LP1760 | | | | | | | | |  |
|--|------------|------------|--|------------|--|--|-------------|---------------|---|
| Knife / Couteau Messer / Cuchillo Cut / Taille / Hieb / Picado | | | | | | | | | |
| 00 | 0 | 1 | | 2 | | | L = "/mm | A x B = mm |  |
| | | | | LP1760-4-2 | | | 4 / 100 | 12.4 x 2.8 | 12 |
| LP1760-6-00 | LP1760-6-0 | | | LP1760-6-2 | | | 6 / 150 | 17.9 x 3.5 | 12 |
| LP1760-8-00 | LP1760-8-0 | LP1760-8-1 | | LP1760-8-2 | | | 8 / 200 | 22.0 x 4.2 | 12 |

| LP1840 | | | | | | | | |  |
|--|------------|------------|----------|------------|--|--|-------------|-----------|---|
| Screwhead with tang A fendre à queue Einstreichfeile mit Angel / Lima de ranurar con espiga Thickness = mm / Epaisseur = mm / Dicke = mm / Espesor = mm | | | | | | | | | |
| 2 = 0.70 | | 3 = 0.60 | 4 = 0.55 | 6 = 0.45 | | | L = "/mm | A = mm |  |
| LP1840-3-2 | LP1840-3-3 | LP1840-3-4 | | LP1840-3-6 | | | 3 / 75 | 9.0 | 12 |

| LP1850 | | | | | | | | |  |
|--|------------|------------|----------|------------|--|--|-------------|-----------|---|
| Screwhead without tang / A fendre sans queue Einstreichfeile ohne Angel / Lima de ranurar sin espiga Thickness = mm / Epaisseur = mm / Dicke = mm / Espesor = mm | | | | | | | | | |
| 4 = 0.55 | | 5 = 0.50 | 6 = 0.45 | 8 = 0.35 | | | L = "/mm | A = mm |  |
| LP1850-3-4 | LP1850-3-5 | LP1850-3-6 | | LP1850-3-8 | | | 3 / 75 | 9.0 | 12 |

| LP1960 | | | | | | | | |  |
|--|------------|------------|--------------|------------|--------------|------------|-------------|---------------|---|
| Crossing / Feuille de sauge Vogelzunge / Almendra Cut / Taille / Hieb / Picado | | | | | | | | | |
| 00 | 0 | 1 | 2 | 3 | 4 | 6 | L = "/mm | A x B = mm |  |
| | | | LP1960-3,5-2 | | LP1960-3,5-4 | | 3.5 / 90 | 10.3 x 3.1 | 12 |
| | LP1960-4-0 | | LP1960-4-2 | | LP1960-4-4 | | 4 / 100 | 11.9 x 3.6 | 12 |
| LP1960-6-00 | LP1960-6-0 | LP1960-6-1 | LP1960-6-2 | LP1960-6-3 | LP1960-6-4 | LP1960-6-6 | 6 / 150 | 14.8 x 5.0 | 12 |
| LP1960-8-00 | LP1960-8-0 | LP1960-8-1 | LP1960-8-2 | | | | 8 / 200 | 21.3 x 6.3 | 12 |



LP1990

Oval / Ovale
Oval / Oval
Cut / Taille / Hieb / Picado
0



LP1990-6-0

2

LP1990-6-2

| L = "/ mm | A x B = mm | |
|--------------|---------------|----|
| 6 / 150 | 8.6 x 4.4 | 12 |

LP1292

Warding / Entrée
Flachspitz / Plana de punta
Cut / Taille / Hieb / Picado
0



LP1292-6-0

2

LP1292-6-2

| L = "/ mm | A x B = mm | |
|--------------|---------------|----|
| 6 / 150 | 10.5 x 2.4 | 12 |

LP5070

Hand Multifile / Plate Multifile
Flach Multifile / Plana Multifile
Cut / Taille / Hieb / Picado
6-8



LP5070-8

5-7

4-6

LP5070-10

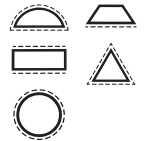
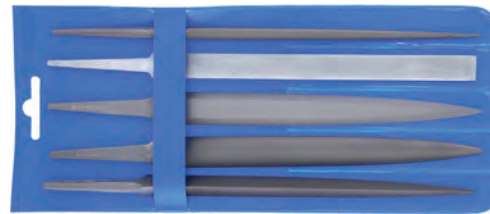
LP5070-12

| L = "/ mm | A x B = mm | |
|--------------|---------------|----|
| 8 / 200 | 21.3 x 4.8 | 12 |
| 10 / 250 | 25.3 x 6.3 | 12 |
| 12 / 300 | 29.3 x 7.8 | 6 |

LP1094

Set of 5 files
Jeu de 5 limes
Satz zu 5 Feilen
Juego de 5 limas
Cut / Taille / Hieb / Picado
2

| L = mm | |
|-----------|---|
| 6 / 150 | 1 |



LP1094

Composed of / Composé de / Bestehend aus / Compuesto de:
LP1560 - LPV1132 - LP1660 - LP1060 - LP1360

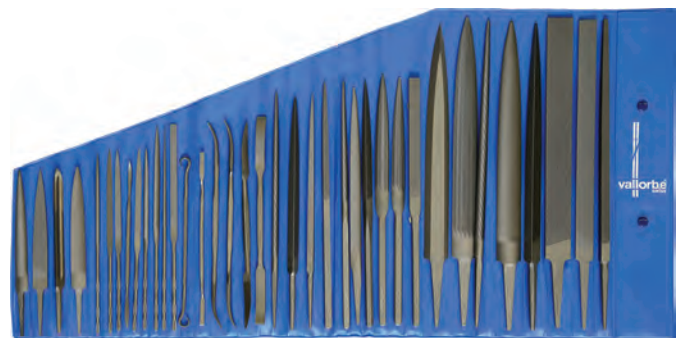
LP1095

Set of 37 files for mechanical engineers
Trousse de 37 limes pour mécaniciens
Satz zu 37 feilen für Mechaniker
Estuche de 37 limas para mecánicos

LP1095

| 1 |
|---|

Composed of / Composé de / Bestehend aus / Compuesto de:
LR12918-2 - LP1163-8-000 - LP1133-8-2 - LP1263-6-2 - LP1560-6-4 - LP1560-8-4 -
LP1960-4-2 - LP1960-8-1 - LP1730-6-2 - LP1670-6-0 - LP1670-8-00 - LP1464-6-2 -
LP1474-8-0 - LP1360-6-00 - LP1360-8-00 - LP1060-8-1 - LA2401-180-2 - LA2402-180-0 -
LA2403-160-2 - LA2405-160-0 - LA2406-160-00 - LA2409-160-2 - LA2410-180-0 -
LA2411-160-1 - LR12711-2 - LR12741-2 - LR12781-0 - LR12790-2 - LR12901-2 - LR12985-0 -
L00653-4 - LH2601-00 - LH2602-00 - LH2607-00 - LH2608-00 - LH2610-00 - LH9602-0





LA2401

Pillar / Piliér / Stiften / Plana

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | LA2401-100-0 | LA2401-100-1 | LA2401-100-2 | LA2401-100-3 | LA2401-100-4 | |
| | LA2401-140-0 | LA2401-140-1 | LA2401-140-2 | LA2401-140-3 | LA2401-140-4 | LA2401-140-6 |
| LA2401-160-00 | LA2401-160-0 | LA2401-160-1 | LA2401-160-2 | LA2401-160-3 | LA2401-160-4 | LA2401-160-6 |
| LA2401-180-00 | LA2401-180-0 | LA2401-180-1 | LA2401-180-2 | LA2401-180-3 | LA2401-180-4 | LA2401-180-6 |
| LA2401-200-00 | LA2401-200-0 | LA2401-200-1 | LA2401-200-2 | LA2401-200-3 | LA2401-200-4 | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 3.1 x 0.9 | 12 |
| 140 | 4.8 x 1.05 | 12 |
| 160 | 5.4 x 1.2 | 12 |
| 180 | 6.0 x 1.3 | 12 |
| 200 | 6.5 x 1.35 | 12 |

LA2402

Halfround / Mironde / Halbrund / Media caña

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | LA2402-100-0 | LA2402-100-1 | LA2402-100-2 | LA2402-100-3 | LA2402-100-4 | |
| | LA2402-140-0 | LA2402-140-1 | LA2402-140-2 | LA2402-140-3 | LA2402-140-4 | |
| LA2402-160-00 | LA2402-160-0 | LA2402-160-1 | LA2402-160-2 | LA2402-160-3 | LA2402-160-4 | LA2402-160-6 |
| LA2402-180-00 | LA2402-180-0 | LA2402-180-1 | LA2402-180-2 | LA2402-180-3 | LA2402-180-4 | |
| LA2402-200-00 | LA2402-200-0 | LA2402-200-1 | LA2402-200-2 | LA2402-200-3 | LA2402-200-4 | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 4.0 x 1.45 | 12 |
| 140 | 5.0 x 1.7 | 12 |
| 160 | 5.5 x 1.85 | 12 |
| 180 | 5.9 x 2.05 | 12 |
| 200 | 6.3 x 2.2 | 12 |

LA2403

Crossing / Feuille de sauge / Vogelzunge / Almendra

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 3 | 4 | 6 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| | | LA2403-100-2 | LA2403-100-3 | LA2403-100-4 | |
| LA2403-140-0 | LA2403-140-1 | LA2403-140-2 | | LA2403-140-4 | |
| LA2403-160-0 | LA2403-160-1 | LA2403-160-2 | | LA2403-160-4 | LA2403-160-6 |
| LA2403-180-0 | LA2403-180-1 | LA2403-180-2 | | LA2403-180-4 | |
| LA2403-200-0 | LA2403-200-1 | LA2403-200-2 | LA2403-200-3 | LA2403-200-4 | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 3.5 x 1.45 | 12 |
| 140 | 4.5 x 1.95 | 12 |
| 160 | 5.1 x 2.1 | 12 |
| 180 | 5.7 x 2.3 | 12 |
| 200 | 6.0 x 2.3 | 12 |

LA2405

Knife / Couteau / Messer / Cuchillo

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 3 | 4 | 6 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| | LA2405-100-1 | LA2405-100-2 | LA2405-100-3 | LA2405-100-4 | |
| LA2405-140-0 | LA2405-140-1 | LA2405-140-2 | | LA2405-140-4 | |
| LA2405-160-0 | LA2405-160-1 | LA2405-160-2 | | LA2405-160-4 | LA2405-160-6 |
| LA2405-180-0 | LA2405-180-1 | LA2405-180-2 | | | |
| LA2405-200-0 | LA2405-200-1 | LA2405-200-2 | LA2405-200-3 | LA2405-200-4 | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 4.0 x 1.1 | 12 |
| 140 | 5.0 x 1.4 | 12 |
| 160 | 5.4 x 1.5 | 12 |
| 180 | 6.0 x 1.7 | 12 |
| 200 | 6.4 x 1.8 | 12 |

LA2406

Warding / Entrée / Flachspitz / Plana de punta

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | | LA2406-100-2 | LA2406-100-3 | LA2406-100-4 | |
| | LA2406-140-0 | LA2406-140-1 | LA2406-140-2 | LA2406-140-3 | LA2406-140-4 | |
| LA2406-160-00 | LA2406-160-0 | LA2406-160-1 | LA2406-160-2 | LA2406-160-3 | LA2406-160-4 | LA2406-160-6 |
| | LA2406-180-0 | LA2406-180-1 | LA2406-180-2 | | LA2406-180-4 | |
| | LA2406-200-0 | LA2406-200-1 | LA2406-200-2 | | LA2406-200-4 | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 3.5 x 0.8 | 12 |
| 140 | 4.8 x 1.1 | 12 |
| 160 | 5.4 x 1.2 | 12 |
| 180 | 6.0 x 1.25 | 12 |
| 200 | 6.5 x 1.35 | 12 |



LA2407

Three-square / Triangulaire / Dreikant / Triangular

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 | L = mm | A = mm | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|----|
| | LA2407-100-0 | LA2407-100-1 | LA2407-100-2 | LA2407-100-3 | LA2407-100-4 | | 100 | 2.9 | 12 |
| | LA2407-140-0 | LA2407-140-1 | LA2407-140-2 | LA2407-140-3 | LA2407-140-4 | LA2407-140-6 | 140 | 3.6 | 12 |
| LA2407-160-00 | LA2407-160-0 | LA2407-160-1 | LA2407-160-2 | LA2407-160-3 | LA2407-160-4 | LA2407-160-6 | 160 | 3.9 | 12 |
| LA2407-180-00 | LA2407-180-0 | LA2407-180-1 | LA2407-180-2 | LA2407-180-3 | LA2407-180-4 | | 180 | 4.3 | 12 |
| LA2407-200-00 | LA2407-200-0 | LA2407-200-1 | LA2407-200-2 | LA2407-200-3 | LA2407-200-4 | | 200 | 4.5 | 12 |

LA2408

Square / Carrée / Vierkant / Cuadrada

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 | L = mm | A = mm | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|----|
| | LA2408-100-0 | LA2408-100-1 | LA2408-100-2 | LA2408-100-3 | LA2408-100-4 | | 100 | 1.7 | 12 |
| | LA2408-140-0 | LA2408-140-1 | LA2408-140-2 | LA2408-140-3 | LA2408-140-4 | | 140 | 2.2 | 12 |
| LA2408-160-00 | LA2408-160-0 | LA2408-160-1 | LA2408-160-2 | LA2408-160-3 | LA2408-160-4 | LA2408-160-6 | 160 | 2.4 | 12 |
| LA2408-180-00 | LA2408-180-0 | LA2408-180-1 | LA2408-180-2 | LA2408-180-3 | LA2408-180-4 | | 180 | 2.6 | 12 |
| LA2408-200-00 | LA2408-200-0 | LA2408-200-1 | LA2408-200-2 | LA2408-200-3 | LA2408-200-4 | | 200 | 2.8 | 12 |

LA2409

Oval / Ovale / Oval / Oval

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 4 | L = mm | A x B = mm | |
|--------------|--------------|--------------|--------------|-----------|---------------|----|
| LA2409-140-0 | LA2409-140-1 | LA2409-140-2 | LA2409-140-4 | 140 | 3.4 x 2.35 | 12 |
| LA2409-160-0 | LA2409-160-1 | LA2409-160-2 | LA2409-160-4 | 160 | 3.8 x 2.55 | 12 |
| LA2409-180-0 | | LA2409-180-2 | | 180 | 4.1 x 2.8 | 12 |
| LA2409-200-0 | | | | 200 | 4.3 x 3.0 | 12 |

LA2410

Round / Ronde / Rund / Redonda

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 3 | 4 | 00 | 6 | L = mm | Ø = mm | |
|--------------|--------------|--------------|--------------|--------------|---------------|--------------|-----------|-----------|----|
| LA2410-100-0 | LA2410-100-1 | LA2410-100-2 | LA2410-100-3 | LA2410-100-4 | | | 100 | 2.1 | 12 |
| LA2410-140-0 | LA2410-140-1 | LA2410-140-2 | LA2410-140-3 | LA2410-140-4 | LA2410-140-00 | LA2410-140-6 | 140 | 2.8 | 12 |
| LA2410-160-0 | LA2410-160-1 | LA2410-160-2 | LA2410-160-3 | LA2410-160-4 | LA2410-160-00 | LA2410-160-6 | 160 | 2.9 | 12 |
| LA2410-180-0 | LA2410-180-1 | LA2410-180-2 | LA2410-180-3 | LA2410-180-4 | LA2410-180-00 | | 180 | 3.2 | 12 |
| LA2410-200-0 | LA2410-200-1 | LA2410-200-2 | LA2410-200-3 | LA2410-200-4 | LA2410-200-00 | | 200 | 3.5 | 12 |

LA2411

Barrette / Barrette / Baret / Barrete

Cut / Taille / Hieb / Picado

| 00 | 0 | 1 | 2 | 3 | 4 | 6 | L = mm | A x B = mm | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|---------------|----|
| | LA2411-100-0 | LA2411-100-1 | LA2411-100-2 | LA2411-100-3 | LA2411-100-4 | | 100 | 3.7 x 1.4 | 12 |
| | LA2411-140-0 | LA2411-140-1 | LA2411-140-2 | LA2411-140-3 | LA2411-140-4 | | 140 | 4.7 x 1.7 | 12 |
| LA2411-160-00 | LA2411-160-0 | LA2411-160-1 | LA2411-160-2 | LA2411-160-3 | LA2411-160-4 | LA2411-160-6 | 160 | 5.1 x 1.8 | 12 |
| LA2411-180-00 | LA2411-180-0 | LA2411-180-1 | LA2411-180-2 | LA2411-180-3 | LA2411-180-4 | | 180 | 5.4 x 2.0 | 12 |
| LA2411-200-00 | LA2411-200-0 | LA2411-200-1 | LA2411-200-2 | LA2411-200-3 | LA2411-200-4 | | 200 | 5.8 x 2.2 | 12 |



LA2414

Slitting / A fendre / Schwert parallel / Para ranurar

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 3 | 4 | 6 |
|--------------|--------------|--------------|--------------|--------------|--------------|
| LA2414-140-0 | LA2414-140-1 | LA2414-140-2 | LA2414-140-3 | LA2414-140-4 | |
| LA2414-160-0 | LA2414-160-1 | LA2414-160-2 | | LA2414-160-4 | LA2414-160-6 |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 140 | 5.5 x 1.9 | 12 |
| 160 | 6.1 x 2.1 | 12 |

LA2415

Crochet / Crochet / Flachspitz runde Kanten / Gancho

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 4 | 6 |
|--------------|--------------|--------------|--------------|--------------|
| LA2415-140-0 | LA2415-140-1 | LA2415-140-2 | LA2415-140-4 | |
| LA2415-160-0 | LA2415-160-1 | LA2415-160-2 | LA2415-160-4 | LA2415-160-6 |
| LA2415-180-0 | | | | |
| LA2415-200-0 | | | | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 140 | 4.8 x 1.25 | 12 |
| 160 | 5.4 x 1.35 | 12 |
| 180 | 5.9 x 1.45 | 12 |
| 200 | 6.5 x 1.55 | 12 |

LA2416

Pillar round edges / Pilier bords ronds / Flachstumpf, runde Kanten / Plana de bordes redondos

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 4 |
|--------------|--------------|--------------|--------------|
| LA2416-140-0 | LA2416-140-1 | LA2416-140-2 | LA2416-140-4 |
| LA2416-160-0 | LA2416-160-1 | LA2416-160-2 | LA2416-160-4 |
| LA2416-180-0 | | LA2416-180-2 | |
| LA2416-200-0 | LA2416-200-1 | | |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 140 | 4.8 x 1.25 | 12 |
| 160 | 5.4 x 1.35 | 12 |
| 180 | 6.0 x 1.45 | 12 |
| 200 | 6.5 x 1.55 | 12 |

LA2417

Round edges joint file / Coulisse bords ronds / Schamierfeile runde Kanten / Lima de charnela de bordes redondos

Cut / Taille / Hieb / Picado

| 0 | 2 | 4 |
|--------------|--------------|--------------|
| | LA2417-140-2 | |
| | | LA2417-140-4 |
| LA2417-160-0 | LA2417-160-2 | LA2417-160-4 |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 100 | 3.8 x 1.05 | 12 |
| 140 | 4.8 x 1.25 | 12 |
| 160 | 5.4 x 1.35 | 12 |

LA2418

Halfround, cut on back only / Mironde, dos seul taillé / Halbrund nur Rücken gehauen / Media caña, solo lomo con picado

Cut / Taille / Hieb / Picado

| 0 | 2 | 4 |
|--------------|--------------|--------------|
| LA2418-140-0 | LA2418-140-2 | LA2418-140-4 |
| LA2418-160-0 | LA2418-160-2 | LA2418-160-4 |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 140 | 5.0 x 1.7 | 12 |
| 160 | 5.5 x 1.85 | 12 |

LA2420

Contact point file / Lime pour contact
Kontaktfeile / Lima para platinos

Cut / Taille / Hieb / Picado

| 0 | 2 |
|--------------|--------------|
| LA2420-130-0 | LA2420-130-2 |

| L = mm | A x B = mm | |
|-----------|---------------|----|
| 130 | 8.0 x 0.9 | 12 |

LA2423

Round slim / Ronde effilée / Rund dünn / Redonda delgada

Cut / Taille / Hieb / Picado

| 1 | 2 |
|--------------|--------------|
| LA2423-100-1 | LA2423-100-2 |

| L = mm | Ø = mm | |
|-----------|-----------|----|
| 100 | 1.0 | 12 |

NEEDLE FILES / LIMES AIGUILLES NADELFEILEN / LIMAS DE AGUJA




LA2424

Hot die barrette / Barrette hot die / Hot die Baret / Barrete hot die

Cut / Taille / Hieb / Picado

| 1 | 3 |
|--------------|--------------|
| LA2424-140-1 | LA2424-160-0 |

| L = mm | A x B = mm |  |
|-----------|---------------|---|
| 140 | 4.7 x 1.7 | 12 |
| 160 | 5.1 x 1.8 | 12 |




LA244

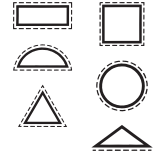
Set of 6 files in pouch / Jeu de 6 limes en étui

Satz zu 6 Feilen in Tasche / Juego de 6 limas en estuche

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 4 | L = mm |  |
|----------|----------|----------|----------|-----------|---|
| LA2442-0 | LA2442-1 | LA2442-2 | | 140 | 1 |
| LA2443-0 | | LA2443-2 | LA2443-4 | 160 | 1 |
| LA2444-0 | | LA2444-2 | | 180 | 1 |
| LA2445-0 | | LA2445-2 | | 200 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
LA2401 - LA2402 - LA2407 - LA2408 - LA2410 - LA2411



LA248


Set of 12 files in pouch

Jeu de 12 limes en étui

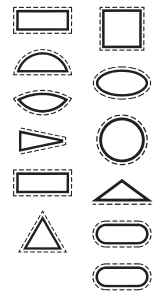
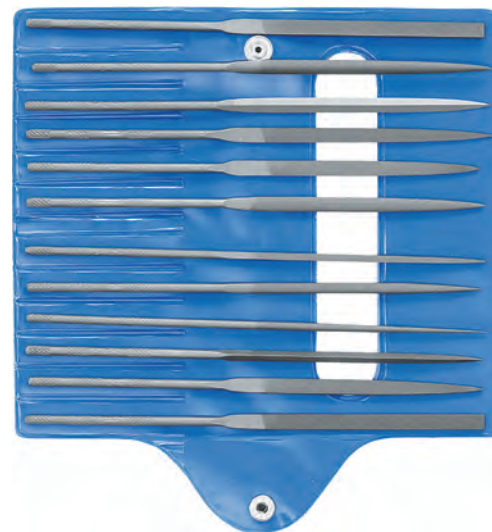
Satz zu 12 Feilen in Tasche

Juego de 12 limas en estuche

Cut / Taille / Hieb / Picado

| 0 | 1 | 2 | 4 | A | L = mm |  |
|----------|----------|----------|----------|----------|-----------|---|
| LA2482-0 | LA2482-1 | LA2482-2 | | | 140 | 1 |
| LA2483-0 | LA2483-1 | LA2483-2 | LA2483-4 | LA2483-A | 160 | 1 |
| LA2484-0 | | | | | 180 | 1 |
| LA2485-0 | | | | | 200 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
LA2401 - LA2402 - LA2403 - LA2405 - LA2406 - LA2407 - LA2408 - LA2409 - LA2410 -
LA2411 - LA2415 - LA2416



LA249


Set of 12 files in plastic box

Jeu de 12 limes en boîte plastique

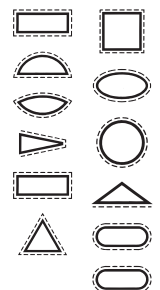
Satz zu 12 Feilen in Plastikbox

Juego de 12 limas en caja de plástico

Cut / Taille / Hieb / Picado

| 2 | 4 | L = mm |  |
|----------|----------|-----------|---|
| LA2492-2 | LA2492-4 | 140 | 1 |
| LA2493-2 | LA2493-4 | 160 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
LA2401 - LA2402 - LA2403 - LA2405 - LA2406 - LA2407 - LA2408 - LA2409 - LA2410 -
LA2411 - LA2415 - LA2416



ESCAPEMENT FILES / LIMES AUX ÉCHAPPEMENTS HEMMUNGSFEILEN / LIMAS DE ESCAPE



LE3004

Knife pointed / Couteau pointu
Messer spitz / Cuchillo puntiagudo
Cut / Taille / Hieb / Picado

| 2 | 4 | 6 | 8 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-------------|-----------|---------------|----|
| LE3004-55-2 | LE3004-55-4 | LE3004-55-6 | LE3004-55-8 | 55 | 5.0 x 1.3 | 12 |



LE3008

Halfround / Mironde
Halbrund / Media caña
Cut / Taille / Hieb / Picado

| 2 | 3 | 4 | 5 | 6 | 8 | 10 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|---------------|----|
| LE3008-40-2 | | LE3008-40-4 | | LE3008-40-6 | LE3008-40-8 | | 40 | 3.8 x 1.4 | 12 |
| LE3008-55-2 | LE3008-55-3 | LE3008-55-4 | LE3008-55-5 | LE3008-55-6 | LE3008-55-8 | LE3008-55-10 | 55 | 4.7 x 1.6 | 12 |



LE3009

Crossing / Feuille de sauge
Vogelzunge / Almendra
Cut / Taille / Hieb / Picado

| 2 | 4 | 6 | 8 | 10 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-------------|--------------|-----------|---------------|----|
| LE3009-40-2 | LE3009-40-4 | LE3009-40-6 | LE3009-40-8 | | 40 | 3.8 x 1.4 | 12 |
| LE3009-55-2 | LE3009-55-4 | LE3009-55-6 | LE3009-55-8 | LE3009-55-10 | 55 | 4.8 x 1.65 | 12 |



LE3010

Barrette / Barrette
Barett / Barrete
Cut / Taille / Hieb / Picado

| 0 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|---------------|----|
| | LE3010-40-2 | | LE3010-40-4 | | LE3010-40-6 | LE3010-40-8 | | 40 | 3.8 x 1.3 | 12 |
| LE3010-55-0 | LE3010-55-2 | LE3010-55-3 | LE3010-55-4 | LE3010-55-5 | LE3010-55-6 | LE3010-55-8 | LE3010-55-10 | 55 | 4.5 x 1.3 | 12 |



LE3011

Barrette parallel / Barrette parallèle
Barett parallel / Barrete paralelo
Cut / Taille / Hieb / Picado

| 2 | 4 | 6 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-----------|---------------|----|
| LE3011-48-2 | LE3011-48-4 | LE3011-48-6 | 48 | 4.1 x 1.2 | 12 |



LE3012

Rounding off / Arrondir
Wälzfeile / Para redondear
Cut / Taille / Hieb / Picado

| 2 | 4 | 6 | L = mm | A x B = mm | |
|-------------|-------------|-------------|-----------|---------------|----|
| LE3012-40-2 | LE3012-40-4 | LE3012-40-6 | 40 | 3.6 x 0.8 | 12 |



LE3014

Three-square / Triangulaire
Dreikant / Triangular
Cut / Taille / Hieb / Picado

| 0 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | L = mm | A = mm | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-----------|-----------|----|
| | LE3014-40-2 | | LE3014-40-4 | | LE3014-40-6 | | | 40 | 2.8 | 12 |
| LE3014-55-0 | LE3014-55-2 | LE3014-55-3 | LE3014-55-4 | LE3014-55-5 | LE3014-55-6 | LE3014-55-8 | LE3014-55-10 | 55 | 3.4 | 12 |



ESCAPEMENT FILES / LIMES AUX ÉCHAPPEMENTS HEMMUNGSFEILEN / LIMAS DE ESCAPE



LE3080

Set of 6 files in pouch
Jeu de 6 limes en étui
Satz zu 6 Feilen in Tasche
Juego de 6 limas en estuche

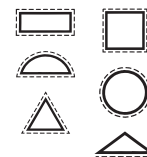
Cut / Taille / Hieb / Picado
10

LE3080-10

L =
mm
55



1



Composed of / Composé de / Bestehend aus / Compuesto de:
LE3008 - LE3010 - LE3014 - LE3017 - LE3020 - LE3021

LE3092

Set of 12 files in pouch
Jeu de 12 limes en étui
Satz zu 12 Feilen in Tasche
Juego de 12 limas en estuche

Cut / Taille / Hieb / Picado

4 6

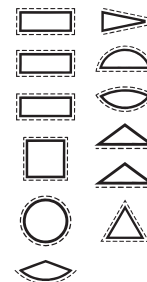
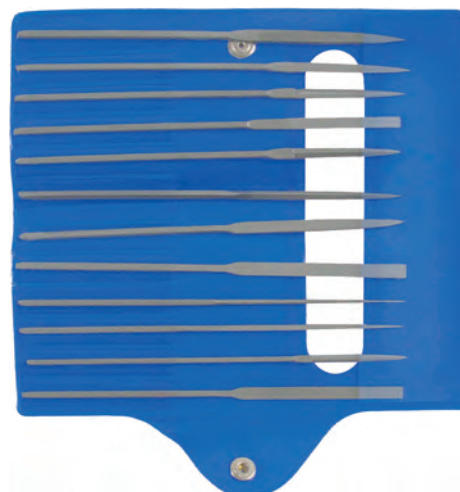
LE3092-4

LE3092-6

L =
mm
55



1



Composed of / Composé de / Bestehend aus / Compuesto de:
LE3004 - LE3008 - LE3009 - LE3010 - LE3011 - LE3014 - LE3016 - LE3017 - LE3020 - LE3021 -
LE3026 - LE3029

RIFFLERS 150 MM / RIFLOIRS 150 MM
 RIFFELFEILEN 150 MM / CODILLOS 150 MM



LR12901

Barrette / Barrette
 Barett / Barrete

Cut / Taille / Hieb / Picado

0

2

LR12901-0

LR12901-2

L =
mm

A x B =
mm



150

3.8 x 1.2

6



LR12905

Flat pointed / Plat pointu
 Flachspitz / Plano de punta

Cut / Taille / Hieb / Picado

0

2

LR12905-0

LR12905-2

L =
mm

A x B =
mm



150

2.0 x 1.2

6



LR12910

Hand / Plat
 Flachstumpf / Plano

Cut / Taille / Hieb / Picado

0

2

LR12910-0

LR12910-2

L =
mm

A x B =
mm



150

2.0 x 1.2

6



LR12911

Hand / Plat
 Flachstumpf / Plano

Cut / Taille / Hieb / Picado

0

2

LR12911-0

LR12911-2

L =
mm

A x B =
mm



150

2.0 x 1.2

6



LR12912

Hand / Plat
 Flachstumpf / Plano

Cut / Taille / Hieb / Picado

0

2

LR12912-0

LR12912-2

L =
mm

A x B =
mm



150

2.6 x 1.5

6



LR12913

Hand / Plat
 Flachstumpf / Plano

Cut / Taille / Hieb / Picado

0

2

LR12913-0

LR12913-2

L =
mm

A x B =
mm



150

2.6 x 1.5

6



LR12914

Flat pointed / Plat pointu
 Flachspitz / Plano de punta

Cut / Taille / Hieb / Picado

0

2

LR12914-0

LR12914-2

L =
mm

A x B =
mm



150

3.4 x 1.5

6



LR12915

Flat pointed / Plat pointu
 Flachspitz / Plano de punta

Cut / Taille / Hieb / Picado

0

2

LR12915-0

LR12915-2

L =
mm

A x B =
mm



150

3.4 x 1.5

6
























RIFFLERS 150 MM / RIFLOIRS 150 MM
RIFFELFEILEN 150 MM / CODILLOS 150 MM



| | | |
|---|-----------|------------|
| LR12916 | | |
| Hand / Plat Flachstumpf / Plano Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12916-0 | LR12916-2 | |
| | L = mm | A x B = mm |
| | 150 | 3.0 x 3.0 |
| | | 6 |
| LR12917 | | |
| Hand / Plat Flachstumpf / Plano Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12917-0 | LR12917-2 | |
| | L = mm | A x B = mm |
| | 150 | 3.0 x 3.0 |
| | | 6 |
| LR12918 | | |
| Hand / Plat Flachstumpf / Plano Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12918-0 | LR12918-2 | |
| | L = mm | A x B = mm |
| | 150 | 3.8 x 1.6 |
| | | 6 |
| LR12930 | | |
| Square / Carré Vierkant / Cuadrado Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12930-0 | LR12930-2 | |
| | L = mm | A = mm |
| | 150 | 2.5 |
| | | 6 |
| LR12940 | | |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12940-0 | LR12940-2 | |
| | L = mm | A = mm |
| | 150 | 2.1 |
| | | 6 |
| LR12942 | | |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12942-0 | LR12942-2 | |
| | L = mm | A = mm |
| | 150 | 3.1 |
| | | 6 |
| LR12943 | | |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12943-0 | LR12943-2 | |
| | L = mm | A = mm |
| | 150 | 3.4 |
| | | 6 |
| LR12951 | | |
| Knife / Couteau Messer / Cuchillo Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12951-0 | LR12951-2 | |
| | L = mm | A x B = mm |
| | 150 | 4.4 x 1.2 |
| | | 6 |






















RIFFLERS 150 MM / RIFLOIRS 150 MM
RIFFELFEILEN 150 MM / CODILLOS 150 MM



| | | |
|---|--|--|
| LR12952 |  |  |
| Knife / Couteau Messer / Cuchillo Cut / Taille / Hieb / Picado | 2 | |
| LR12952-0 | LR12952-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.4 x 1.2 6 |
| LR12955 |  |  |
| Pippin / Pippin Spitzkugel / Oval con borde redondo Cut / Taille / Hieb / Picado | 2 | |
| LR12955-0 | LR12955-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.4 x 1.35 6 |
| LR12956 |  |  |
| Knife flat edge / Couteau filet plat Messer dünn flach / Cuchillo lado plano Cut / Taille / Hieb / Picado | 2 | |
| LR12956-0 | LR12956-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.4 x 1.2 6 |
| LR12957 |  |  |
| Knife round edge / Couteau filet rond Messer dünn rund / Cuchillo lado redondo Cut / Taille / Hieb / Picado | 2 | |
| LR12957-0 | LR12957-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.4 x 1.2 6 |
| LR12961 |  |  |
| Halfround / Mirond Halbrund / Media caña Cut / Taille / Hieb / Picado | 2 | |
| LR12961-0 | LR12961-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.5 x 2.2 6 |
| LR12963 |  |  |
| Halfround / Mirond Halbrund / Media caña Cut / Taille / Hieb / Picado | 2 | |
| LR12963-0 | LR12963-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.7 x 1.5 6 |
| LR12964 |  |  |
| Halfround / Mirond Halbrund / Media caña Cut / Taille / Hieb / Picado | 2 | |
| LR12964-0 | LR12964-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.6 x 1.4 6 |



















RIFFLERS 150 MM / RIFLOIRS 150 MM
RIFFELFEILEN 150 MM / CODILLOS 150 MM



| | | |
|---|--|--|
| LR12965 |  |  |
| Halfround flat side cut / Mironde plat taillé Halbrund (nur Flachseite gehauen) / Media caña plano tallado | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12965-0 | LR12965-2 | |
| | | L = mm A x B = mm  |
| | | 150 5.0 x 1.9 6 |
| LR12970 |  |  |
| Crossing / Feuille de sauge Vogelzunge / Almendra | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12970-0 | LR12970-2 | |
| | | L = mm A x B = mm  |
| | | 150 1.8 x 1.2 6 |
| LR12972 |  |  |
| Crossing / Feuille de sauge Vogelzunge / Almendra | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12972-0 | LR12972-2 | |
| | | L = mm A x B = mm  |
| | | 150 3.8 x 1.8 6 |
| LR12973 |  |  |
| Crossing / Feuille de sauge Vogelzunge / Almendra | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12973-0 | LR12973-2 | |
| | | L = mm A x B = mm  |
| | | 150 3.8 x 1.8 6 |
| LR12974 |  |  |
| Crossing / Feuille de sauge Vogelzunge / Almendra | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12974-0 | LR12974-2 | |
| | | L = mm A x B = mm  |
| | | 150 3.8 x 1.8 6 |
| LR12975 |  |  |
| Crossing / Feuille de sauge Vogelzunge / Almendra | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12975-0 | LR12975-2 | |
| | | L = mm A x B = mm  |
| | | 150 4.0 x 1.9 6 |
| LR12981 |  |  |
| Round / Rond Rund / Redondo | | |
| Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12981-0 | LR12981-2 | |
| | | L = mm Ø = mm  |
| | | 150 3.1 6 |

























RIFFLERS 150 MM / RIFLOIRS 150 MM
 RIFFELFEILEN 150 MM / CODILLOS 150 MM



| | | | |
|---|-----------|--|---|
| <p>LR12982</p> <p>Round - pompom / Pompon Verrundet / Pompón Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12982-0 | LR12982-2 | L = mm | Ø = mm  6 |
| <p>LR12983</p> <p>Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12983-0 | LR12983-2 | L = mm | Ø = mm  6 |
| <p>LR12984</p> <p>Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12984-0 | LR12984-2 | L = mm | Ø = mm  6 |
| <p>LR12985</p> <p>Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12985-0 | LR12985-2 | L = mm | Ø = mm  6 |
| <p>LR12986</p> <p>Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12986-0 | LR12986-2 | L = mm | Ø = mm  6 |
| <p>LR12987</p> <p>Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |  |  |
| LR12987-0 | LR12987-2 | L = mm | Ø = mm  6 |






















RIFFLERS 180 MM / RIFLOIRS 180 MM
RIFFELFEILEN 180 MM / CODILLOS 180 MM



| | | |
|--|--|--|
| LR12710 |  |  |
| Hand / Plat Flachstumpf / Plano Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12710-0 | LR12710-2 | |
| | | L = mm A x B = mm  |
| | | 180 8.3 x 2.4 6 |
| LR12711 |  |  |
| Hand / Plat Flachstumpf / Plano Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12711-0 | LR12711-2 | |
| | | L = mm A x B = mm  |
| | | 180 8.3 x 2.4 6 |
| LR12712 |  |  |
| Flat pointed / Plat pointu Flachspitz / Plano de punta Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12712-0 | LR12712-2 | |
| | | L = mm A x B = mm  |
| | | 180 8.3 x 2.4 6 |
| LR12713 |  |  |
| Warding / Entrée Flachspitz / Plano de punta Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12713-0 | LR12713-2 | |
| | | L = mm A x B = mm  |
| | | 180 8.3 x 2.4 6 |
| LR12731 |  |  |
| Square / Carré Vierkant / Cuadrado Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12731-0 | LR12731-2 | |
| | | L = mm A = mm  |
| | | 180 4.8 6 |
| LR12732 |  |  |
| Square / Carré Vierkant / Cuadrado Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12732-0 | LR12732-2 | |
| | | L = mm A = mm  |
| | | 180 4.6 6 |
| LR12741 |  |  |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12741-0 | LR12741-2 | |
| | | L = mm A = mm  |
| | | 180 7.4 6 |
| LR12750 |  |  |
| Knife / Couteau Messer / Cuchillo Cut / Taille / Hieb / Picado 0 | 2 | |
| LR12750-0 | LR12750-2 | |
| | | L = mm A x B = mm  |
| | | 180 10.4 x 2.7 6 |

RIFFLERS 180 MM / RIFLOIRS 180 MM
 RIFFELFEILEN 180 MM / CODILLOS 180 MM



| | | | |
|--|-----------|--|---|
| <p>LR12761 Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12761-0 | LR12761-2 | 180 | 9.5 x 3.8 6 |
| <p>LR12762 Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12762-0 | LR12762-2 | 180 | 9.0 x 3.7 6 |
| <p>LR12763 Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12763-0 | LR12763-2 | 180 | 9.2 x 3.6 6 |
| <p>LR12764 Halfround flat side cut Mironde plat taillé Halbrund (nur Flachseite gehauen) / Media caña plano tallado Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12764-0 | LR12764-2 | 180 | 9.2 x 3.6 6 |
| <p>LR12771 Crossing / Feuille de sauge Vogelzunge / Almendra Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12771-0 | LR12771-2 | 180 | 7.8 x 4.1 6 |
| <p>LR12781 Round / Rond Rund / Redondo Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>Ø = mm</p>  |
| LR12781-0 | LR12781-2 | 180 | 4.8 6 |
| <p>LR12790 Pippin / Pippin Spitzkugel / Oval con borde redondo Cut / Taille / Hieb / Picado 0</p> | 2 |   | <p>L = mm</p> <p>A x B = mm</p>  |
| LR12790-0 | LR12790-2 | 180 | 8.2 x 4.0 6 |

RIFFLERS 300 MM / RIFLOIRS 300 MM
 RIFFELFEILEN 300 MM / CODILLOS 300 MM



LR12410

Hand / Plat
 Flachstumpf / Plano
 Cut / Taille / Hieb / Picado
 0



LR12410-0

00

LR12410-00

L =
mm

A x B =
mm



300

12.8 x 4.0

6

LR12411

Hand / Plat
 Flachstumpf / Plano
 Cut / Taille / Hieb / Picado
 0



LR12411-0

00

LR12411-00

L =
mm

A x B =
mm



300

12.8 x 4.0

6

LR12430

Square / Carré
 Vierkant / Cuadrado
 Cut / Taille / Hieb / Picado
 0



LR12430-0

00

LR12430-00

L =
mm

A =
mm



300

7.5

6

LR12440

Three-square / Triangulaire
 Dreikant / Triangular
 Cut / Taille / Hieb / Picado
 0



LR12440-0

00

LR12440-00

L =
mm

A =
mm



300

10.5

6

LR12450

Knife / Couteau
 Messer / Cuchillo
 Cut / Taille / Hieb / Picado
 0



LR12450-0

00

LR12450-00

L =
mm

A x B =
mm



300

14.5 x 3.8

6

LR12460

Halfround / Miron
 Halbrund / Media caña
 Cut / Taille / Hieb / Picado
 0



LR12460-0

00

LR12460-00

L =
mm

A x B =
mm



300

15.4 x 5.4

6

LR12480

Round / Rond
 Rund / Redondo
 Cut / Taille / Hieb / Picado
 0



LR12480-0

00

LR12480-00

L =
mm

Ø =
mm



300

7.5

6

RIFFLERS / RIFLOIRS RIFFELFEILEN / CODILLOS



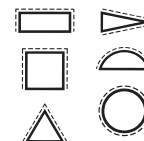
LR12156

Set of 6 pieces
 Jeu de 6 rifloirs
 Satz zu 6 Stück
 Juego de 6 piezas

Cut / Taille / Hieb / Picado

| | |
|-----------|-----------|
| 0 | 2 |
| LR12156-0 | LR12156-2 |

| | |
|-----|---|
| L = |  |
| mm | 1 |
| 150 | |



Composed of / Composé de / Bestehend aus / Compuesto de:
 LR12915 - LR12930 - LR12942 - LR12952 - LR12963 - LR12981

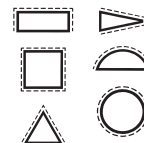
LR12186

Set of 6 pieces
 Jeu de 6 rifloirs
 Satz zu 6 Stück
 Juego de 6 piezas

Cut / Taille / Hieb / Picado

| | |
|-----------|-----------|
| 0 | 2 |
| LR12186-0 | LR12186-2 |

| | |
|-----|---|
| L = |  |
| mm | 1 |
| 180 | |



Composed of / Composé de / Bestehend aus / Compuesto de:
 LR12711 - LR12731 - LR12741 - LR12750 - LR12763 - LR12781



| | | |
|---|----------|------------|
| LH2601 | | |
| Pillar / Pilier / Stiften / Plana Cut / Taille / Hieb / Picado 00 | 1 | |
| LH2601-00 | LH2601-1 | |
| | L = mm | A x B = mm |
| | 215 | 10.0 x 2.6 |
| | | |
| | | 12 |

| | | |
|---|----------|------------|
| LH2602 | | |
| Halfround / Mironde / Halbrund / Media caña Cut / Taille / Hieb / Picado 00 | 1 | |
| LH2602-00 | LH2602-1 | |
| | L = mm | A x B = mm |
| | 215 | 12.2 x 3.4 |
| | | |
| | | 12 |

| | | |
|---|----------|--------|
| LH2607 | | |
| Three-square / Triangulaire / Dreikant / Triangular Cut / Taille / Hieb / Picado 00 | 1 | |
| LH2607-00 | LH2607-1 | |
| | L = mm | A = mm |
| | 215 | 9.5 |
| | | |
| | | 12 |

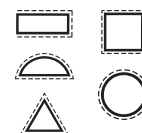
| | | |
|---|----------|--------|
| LH2608 | | |
| Square / Carrée / Vierkant / Cuadrada Cut / Taille / Hieb / Picado 00 | 1 | |
| LH2608-00 | LH2608-1 | |
| | L = mm | A = mm |
| | 215 | 6.0 |
| | | |
| | | 12 |

| | | |
|--|----------|--------|
| LH2610 | | |
| Round / Ronde / Rund / Redonda Cut / Taille / Hieb / Picado 00 | 1 | |
| LH2610-00 | LH2610-1 | |
| | L = mm | Ø = mm |
| | 215 | 6.5 |
| | | |
| | | 12 |

| | | |
|--|--------|------------|
| LH2901 | | |
| Pillar Multifile / Pilier Multifile Flachstumpf Multifile / Plana Multifile Cut / Taille / Hieb / Picado 00 | | |
| LH2901-00 | | |
| | L = mm | A x B = mm |
| | 215 | 10.0 x 3.2 |
| | | |
| | | 12 |

| | | | |
|--|----------|---|--|
| LH2630 | | | |
| Set of 5 files in pouch / Jeu de 5 limes en étui Satz zu 5 Feilen in Tasche / Juego de 5 limas en estuche Cut / Taille / Hieb / Picado 00 | 1 | | |
| LH2630-00 | LH2630-1 | | |
| | L = mm | | |
| | 215 | 1 | |

Composed of / Composé de / Bestehend aus / Compuesto de:
LH2601 - LH2602 - LH2607 - LH2608 - LH2610



| | | | |
|--|----------|---|--|
| LH2631 | | | |
| Set of 3 files in pouch / Jeu de 3 limes en étui Satz zu 3 Feilen in Tasche / Juego de 3 limas en estuche Cut / Taille / Hieb / Picado 00 | 1 | | |
| LH2631-00 | LH2631-1 | | |
| | L = mm | | |
| | 215 | 1 | |

Composed of / Composé de / Bestehend aus / Compuesto de:
LH2601 - LH2602 - LH2607



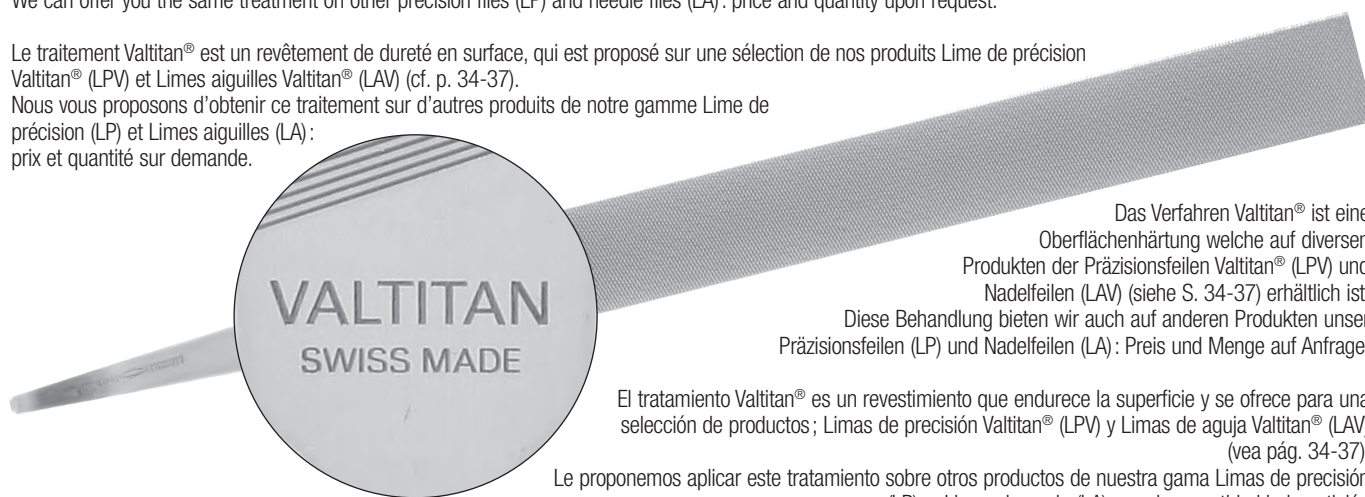


The Valtitan® treatment is a coating of surface hardness, which is proposed on a selection of our Valtitan® precision files (LPV) and Valtitan® needle files (LAV) (see p. 34-37).

We can offer you the same treatment on other precision files (LP) and needle files (LA): price and quantity upon request.

Le traitement Valtitan® est un revêtement de dureté en surface, qui est proposé sur une sélection de nos produits Lime de précision Valtitan® (LPV) et Limes aiguilles Valtitan® (LAV) (cf. p. 34-37).

Nous vous proposons d'obtenir ce traitement sur d'autres produits de notre gamme Lime de précision (LP) et Limes aiguilles (LA): prix et quantité sur demande.



Das Verfahren Valtitan® ist eine Oberflächenhärtung welche auf diversen Produkten der Präzisionsfeilen Valtitan® (LPV) und Nadelfeilen (LAV) (siehe S. 34-37) erhältlich ist. Diese Behandlung bieten wir auch auf anderen Produkten unser Präzisionsfeilen (LP) und Nadelfeilen (LA): Preis und Menge auf Anfrage.

El tratamiento Valtitan® es un revestimiento que endurece la superficie y se ofrece para una selección de productos; Limas de precisión Valtitan® (LPV) y Limas de aguja Valtitan® (LAV) (vea pág. 34-37).

Le proponemos aplicar este tratamiento sobre otros productos de nuestra gama Limas de precisión (LP) y Limas de aguja (LA): precio y cantidad bajo petición

LPV1163

Hand / Carrelette
Ansatz / Carleta

Cut / Taille / Hieb / Picado

| | 00 | 0 | 2 | L = "/mm | A x B = mm | |
|----------------|---------------|--------------|-------------|-------------|---------------|----|
| | LPV1163-6-00 | LPV1163-6-0 | LPV1163-6-2 | 6 / 150 | 18.5 x 4.0 | 12 |
| | LPV1163-8-00 | LPV1163-8-0 | LPV1163-8-2 | 8 / 200 | 21.3 x 4.8 | 12 |
| LPV1163-10-000 | LPV1163-10-00 | LPV1163-10-0 | | 10 / 250 | 25.3 x 6.3 | 12 |

LPV1132

Regular pillar 2 sides cut
Pilier ordinaire 2 côtés

Stiften normal 2 Seiten / Plana paralela normal con picado en 2 lados

Cut / Taille / Hieb / Picado

| | 0 | 2 | L = "/mm | A x B = mm | |
|--|-------------|-------------|-------------|---------------|----|
| | LPV1132-6-0 | | 6 / 150 | 12.0 x 4.0 | 12 |
| | LPV1132-8-0 | LPV1132-8-2 | 8 / 200 | 14.5 x 4.5 | 12 |

LPV1560

Halfround ordinary / Mironde ordinaire
Halbrund normal / Media caña normal

Cut / Taille / Hieb / Picado

| | 0 | 2 | L = "/mm | A x B = mm | |
|--|-------------|-------------|-------------|---------------|----|
| | LPV1560-6-0 | LPV1560-6-2 | 6 / 150 | 15.1 x 4.7 | 12 |
| | LPV1560-8-0 | LPV1560-8-2 | 8 / 200 | 21.1 x 6.3 | 12 |













LPV1566

Halfround slim / Mironde effilée
Halbrund schlank / Media caña delgada




Cut / Taille / Hieb / Picado

| | 0 | 2 | L = "/mm | A x B = mm | |
|--|-------------|-------------|-------------|---------------|----|
| | LPV1566-6-0 | LPV1566-6-2 | 6 / 150 | 12.7 x 3.5 | 12 |









| | | | |
|---|--|---|---|
| LPV1360 |  |  | |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 0 | L = "/mm | A = mm |  |
| LPV1360-8-0 | 8 / 200 | 14.2 | 12 |
| LPV1660 |  |  | |
| Round pointed / Ronde ordinaire pointue Rund normal spitz / Redonda normal aguda Cut / Taille / Hieb / Picado 2 | L = "/mm | Ø = mm |  |
| LPV1660-8-2 | 8 / 200 | 7.8 | 12 |
| LPV1670 |  |  | |
| Round ordinary blunt / Ronde ordinaire mottue Rund normal stumpf / Redonda normal punta plana Cut / Taille / Hieb / Picado 0 | L = "/mm | Ø = mm |  |
| LPV1670-8-0 | 8 / 200 | 7.5 | 12 |
| LPV1060 |  |  | |
| Barrette / Barrette Barett / Barrete Cut / Taille / Hieb / Picado 2 | L = "/mm | A x B = mm |  |
| LPV1060-6-2 | 6 / 150 | 15.5 x 3.5 | 12 |



| LAV2401 | |  | |  | |
|-----------------------------------|---------------|--|------------|---|--|
| Pillar / Pilier / Stiften / Plana | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm | A x B = mm |  | |
| LAV2401-180-0 | LAV2401-180-2 | 180 | 6.0 x 1.3 | 12 | |




| LAV2402 | |  | |  | |
|---|---------------|--|------------|---|----|
| Halfround / Mironde / Halbrund / Media caña | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 00 | 2 | L = mm | A x B = mm |  | |
| LAV2402-180-00 | LAV2402-180-0 | LAV2402-180-2 | 180 | 5.9 x 2.05 | 12 |


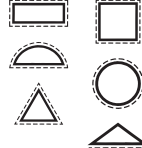

| LAV2406 | |  | |  | |
|--|---------------|--|------------|---|--|
| Warding / Entrée / Flachspitz / Plana de punta | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm | A x B = mm |  | |
| LAV2406-180-0 | LAV2406-180-2 | 180 | 6.0 x 1.25 | 12 | |

| LAV2407 | |  | |  | |
|---|---------------|--|--------|---|--|
| Three-square / Triangulaire / Dreikant / Triangular | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm | A = mm |  | |
| LAV2407-180-0 | LAV2407-180-2 | 180 | 4.3 | 12 | |

| LAV2408 | |  | |  | |
|---------------------------------------|---------------|--|--------|---|---|
| Square / Carrée / Vierkant / Cuadrada | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 00 | 0 | 2 | L = mm | A = mm |  |
| LAV2408-180-00 | LAV2408-180-0 | LAV2408-180-2 | 180 | 2.6 | 12 |

| LAV2410 | |  | |  | |
|--------------------------------|---------------|--|--------|---|--|
| Round / Ronde / Rund / Redonda | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm | Ø = mm |  | |
| LAV2410-180-0 | LAV2410-180-2 | 180 | 3.2 | 12 | |

| LAV2411 | |  | |  | |
|---------------------------------------|---------------|--|------------|---|--|
| Barrette / Barrette / Baret / Barrete | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm | A x B = mm |  | |
| LAV2411-180-0 | LAV2411-180-2 | 180 | 5.4 x 2.0 | 12 | |

| LAV2495 | |  | |  | |
|--|-----------|--|---|---|--|
| Set of 6 files in pouch / Jeu de 6 limes en étui | | | | | |
| Satz zu 6 Feilen in Tasche / Juego de 6 limas en estuche | | | | | |
| Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | L = mm |  | | |
| LAV2495-0 | LAV2495-2 | 180 | 1 | | |

Composed of / Composé de / Bestehend aus / Compuesto de:
LAV2401 - LAV2402 - LAV2407 - LAV2408 - LAV2410 - LAV2411

SPECIAL CUT FILES / LIMES TAILLES SPÉCIALES SPEZIALHIEB FEILEN / LIMAS ESPECIALES



LP1166

Hand chequering / Carrelette à canneler
Kannelier Ansatz / Carleta para estriar

Cut / Taille / Hieb / Picado

| 00 (8) | 0 (12) | 1 (16) | 2 (20) | L = "/ mm | A x B = mm | |
|-------------|------------|------------|------------|--------------|---------------|----|
| LP1166-6-00 | LP1166-6-0 | LP1166-6-1 | LP1166-6-2 | 6 / 150 | 19.0 x 5.2 | 12 |
| | LP1166-8-0 | LP1166-8-1 | LP1166-8-2 | 8 / 200 | 22.0 x 5.2 | 12 |



LP1136

Pillar chequering / Pilier à canneler
Kannelier Stiften / Plana paralela para estriar

Cut (raws/cm) / Taille (rayes/cm) / Hieb (Fäden/cm) / Picado (rayas/cm)

| 00 (8) | 0 (12) | 1 (16) | 2 (20) | 4 (30) | L = "/ mm | A x B = mm | |
|-------------|------------|------------|------------|------------|--------------|---------------|----|
| LP1136-6-00 | LP1136-6-0 | LP1136-6-1 | LP1136-6-2 | LP1136-6-4 | 6 / 150 | 12.4 x 4.5 | 12 |



LP5070

Hand Multifile / Plate Multifile
Flach Multifile / Plana Multifile

Cut / Taille / Hieb / Picado

| 6-8 | 5-7 | 4-6 | L = "/ mm | A x B = mm | |
|----------|-----------|-----------|--------------|---------------|----|
| LP5070-8 | | | 8 / 200 | 21.3 x 4.8 | 12 |
| | LP5070-10 | | 10 / 250 | 25.3 x 6.3 | 12 |
| | | LP5070-12 | 12 / 300 | 29.3 x 7.8 | 6 |



LH2901

Pillar Multifile / Pilier Multifile
Flachstumpf Multifile / Plana Multifile

Cut / Taille / Hieb / Picado

| 00 | L = mm | A x B = mm | |
|-----------|-----------|---------------|----|
| LP2901-00 | 215 | 10.0 x 3.2 | 12 |



SOFT MATERIALS FILES / LIMES POUR MATÉRIAUX TENDRES WEICHER WERKSTOFFE FEILEN / LIMAS MATERIALES BLANDOS



LP1312

Flat for aluminium
Plate pour aluminium
Flachfeile für Aluminium / Plana para aluminio

Cut / Taille / Hieb / Picado
0

LP1312-6-0

LP1312-8-0

LP1312-10-0



| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 15.5 x 3.5 | 12 |
| 8 / 200 | 21.3 x 4.8 | 12 |
| 10 / 250 | 25.3 x 6.3 | 12 |

LP1352

Halfround for aluminium
Mironde aluminium
Halbrundfeile für Aluminium / Media caña para aluminio

Cut / Taille / Hieb / Picado
0

LP1352-6-0

LP1352-10-0



| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 18.4 x 5.2 | 12 |
| 10 / 250 | 25.5 x 7.5 | 12 |

LP1540

Vul-Crylic file for wax
Mironde double pour cire
Halbrund doppelt für Wachs / Media caña doble para cera

LP1540-6

LP1540-8



| L = "/mm | A x B = mm | |
|-------------|---------------|----|
| 6 / 150 | 12.5 x 3.5 | 12 |
| 8 / 200 | 13.5 x 4.0 | 12 |

MICRO-FILES / MICRO-LIMES MIKRO-FEILEN / MICRO-LIMAS



LM0910

Pillar / Pilier
Stiften / Plana

Cut / Taille / Hieb / Picado
0

LM0910-0

LM0910-4

| L = mm | A x B = mm | |
|-----------|---------------|---|
| 40 | 2.0 x 1.2 | 5 |



LM0941

Three-square / Triangulaire
Dreikant / Triangular

Cut / Taille / Hieb / Picado
0

LM0941-0

LM0941-4

| L = mm | A = mm | |
|-----------|-----------|---|
| 45 | 2.7 | 5 |



LM0911

Bent pillar
Pilier cintré
Stiften gebogen / Plana curvado

Cut / Taille / Hieb / Picado
0

LM0911-0

LM0911-4

| L = mm | A x B = mm | |
|-----------|---------------|---|
| 40 | 2.0 x 1.2 | 5 |



LM0980

Round / Ronde
Rund / Redonda

Cut / Taille / Hieb / Picado
0

LM0980-0

LM0980-4

| L = mm | Ø = mm | |
|-----------|-----------|---|
| 40 | 2.9 | 5 |



DIAMOND BUFF FILES (NEEDLE) / LIMES CABRONS (AIGUILLES)
DIAMANT SCHMIRGEFEILEN (NADELFEILEN)



LIMAS PULIDORAS DIAMANTADAS (DE AGUJA)

| | | | |
|--|--|--|--|
| <p>LAC2401</p> <p>Pillar / Piliier / Stiften / Plana Grit / Grain / Körnung / Grano G10</p> <p>LAC2401-140-G10</p> | | | <p>L = mm</p> <p>A x B = mm</p> <p>6</p> |
| <p>LAC2402</p> <p>Halfround / Mironde / Halbrund / Media caña Grit / Grain / Körnung / Grano G10</p> <p>LAC2402-140-G10</p> | | | <p>L = mm</p> <p>A x B = mm</p> <p>6</p> |
| <p>LAC2403</p> <p>Crossing / Feuille de sauge / Vogelzunge / Almendra Grit / Grain / Körnung / Grano G10</p> <p>LAC2403-140-G10</p> | | | <p>L = mm</p> <p>A x B = mm</p> <p>6</p> |
| <p>LAC2407</p> <p>Three-square / Triangulaire / Dreikant / Triangular Grit / Grain / Körnung / Grano G10</p> <p>LAC2407-140-G10</p> | | | <p>L = mm</p> <p>A = mm</p> <p>6</p> |
| <p>LAC2408</p> <p>Square / Carrée / Vierkant / Cuadrada Grit / Grain / Körnung / Grano G10</p> <p>LAC2408-140-G10</p> | | | <p>L = mm</p> <p>A = mm</p> <p>6</p> |
| <p>LAC2410</p> <p>Round / Ronde / Rund / Redonda Grit / Grain / Körnung / Grano G10</p> <p>LAC2410-140-G10</p> | | | <p>L = mm</p> <p>∅ = mm</p> <p>6</p> |
| <p>LAC2411</p> <p>Barrette / Barrette / Barett / Barrete Grit / Grain / Körnung / Grano G10</p> <p>LAC2411-140-G10</p> | | | <p>L = mm</p> <p>A x B = mm</p> <p>6</p> |















| | | | |
|--|----------------------------|--|--|
| <p>LAC2462</p> <p>Set of 6 files / Jeu de 6 limes Satz zu 6 Feilen / Juego de 6 limas Grit / Grain / Körnung / Grano G10</p> <p>LAC2462-140-G10</p> | <p>L = mm</p> <p>1</p> | | |
|--|----------------------------|--|--|

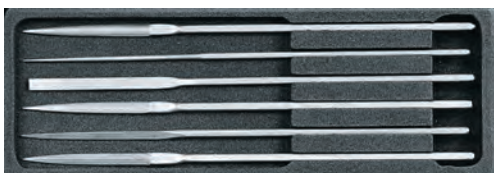
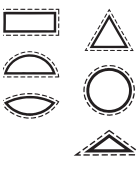
Composed of / Composé de / Bestehend aus / Compuesto de:
LAC2401 - LAC2402 - LAC2407 - LAC2408 - LAC2410 - LAC2411

DIAMOND BUFF FILES (ESCAPEMENT) / LIMES CABRONS (AUX ÉCHAPPEMENTS) DIAMANT SCHMIRGEFEILEN (HEMMUNGSFEILEN)



LIMAS PULIDORAS DIAMANTADAS (DE ESCAPE)








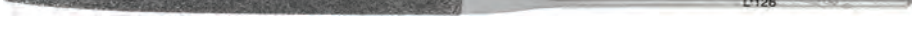

| | | |
|---|--|---|
| LEC3008 |  |  |
| Halfround / Mironde / Halbrund / Media caña | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3008-55-G10 | L = 55 mm | A x B = 4.0 x 1.3 mm 6 |
| LEC3009 |  |  |
| Crossing / Feuille de sauge / Vogelzunge / Almendra | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3009-55-G10 | L = 55 mm | A x B = 3.8 x 1.4 mm 6 |
| LEC3010 |  |  |
| Barrette / Barrette / Barett / Barrete | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3010-55-G10 | L = 55 mm | A x B = 3.9 x 1.2 mm 6 |
| LEC3014 |  |  |
| Three-square / Triangulaire / Dreikant / Triangular | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3014-55-G10 | L = 55 mm | A = 2.8 mm 6 |
| LEC3017 |  |  |
| Pillar / Pilier / Stiften / Plana | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3017-55-G10 | L = 55 mm | A x B = 3.6 x 0.8 mm 6 |
| LEC3020 |  |  |
| Square / Carrée / Vierkant / Cuadrada | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3020-55-G10 | L = 55 mm | A = 1.7 mm 6 |
| LEC3021 |  |  |
| Round / Ronde / Rund / Redonda | | |
| Grit / Grain / Körnung / Grano G10 | | |
| LEC3021-55-G10 | L = 55 mm | Ø = 1.5 mm 6 |







| | | |
|--|--|---|
| LEC3062 |  |  |
| Set of 6 files / Jeu de 6 limes Satz zu 6 Feilen / Juego de 6 limas | | |
| Grit / Grain / Körnung / Grano G10 | L = 55 mm | 6 |
| LEC3062-55-G10 | | |

Composed of / Composé de / Bestehend aus / Compuesto de:
LEC3008 - LEC3009 - LEC3010 - LEC3014 - LEC3017 - LEC3021

DIAMOND NEEDLE FILES / LIMES AIGUILLES DIAMANTÉES DIAMANT NADELFEILEN / LIMAS DE AGUJA DIAMANTADAS



| | | |
|---|--|---|
| DA8401 |  |  |
| Pillar / Piliier / Stiften / Plana | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm A x B = mm |
| 126 | | |
| DA8401-126 | DA8401-91 | 140 4.8 x 1.05 1 |
| DA8402 |  |  |
| Halfround / Mironde / Halbrund / Media caña | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm A x B = mm |
| 126 | | |
| DA8402-126 | DA8402-91 | 140 5.1 x 1.7 1 |
| DA8407 |  |  |
| Three-square / Triangulaire / Dreikant / Triangular | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm A = mm |
| 126 | | |
| DA8407-126 | DA8407-91 | 140 3.6 1 |
| DA8408 |  |  |
| Square / Carrée / Vierkant / Cuadrada | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm A = mm |
| 126 | | |
| DA8408-126 | DA8408-91 | 140 2.2 1 |
| DA8410 |  |  |
| Round / Ronde / Rund / Redonda | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm Ø = mm |
| 126 | | |
| DA8410-126 | DA8410-91 | 140 2.8 1 |
| DA8411 |  |  |
| Barrette / Barrette / Barett / Barrete | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm A x B = mm |
| 126 | | |
| DA8411-126 | DA8411-91 | 140 4.7 x 1.7 1 |

| | | |
|--------------------------------|--|---|
| DA8432 |  |      |
| Set of 5 files | | |
| Jeu de 5 limes | | |
| Satz zu 5 Feilen | | |
| Juego de 5 limas | | |
| Grit / Grain / Körnung / Grano | 91 | L = mm |
| 126 | | |
| DA8432-126 | DA8432-91 | 140 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
DA8401 - DA8402 - DA8407 - DA8408 - DA8410

HABILIS® DIAMOND FILES / LIMES DIAMANTÉES HABILIS® HABILIS® DIAMANT FEILEN / LIMAS DIAMANTADAS HABILIS®



DH8232

Set of 5 files
Jeu de 5 limes
Satz zu 5 Feilen
Juego de 5 limas

Grit / Grain / Körnung / Grano
126

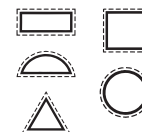
DH8232-126

L =
mm



215

1



Composed of / Composé de / Bestehend aus / Compuesto de:

DH8201 Pillar / Pilier / Flachstumpf / Pilar
DH8202 Halfround / Mironde / Halbrund / Media caña
DH8207 Three-square / Triangulaire / Dreikant / Triangular
DH8208 Square / Carrée / Vierkant / Cuadrada
DH8210 Round / Ronde / Rund / Redonda

A x B = 10 x 2.6 mm
A x B = 12.2 x 3.4 mm
A = 9.5 mm
A = 6.0
Ø = 6.5 mm

VALDIAMOND



DD8800

Diamond foils / Feuilles diamantées
Diamantfolien / Hojas diamantadas

Grit / Grain / Körnung / Grano

300 600 1000

DD8800-300 DD8800-600 DD8800-1000

A x B =
mm














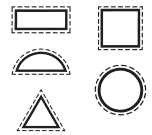

100 x 50

1



DIAMOND NEEDLE FILES / LIMES AIGUILLES DIAMANTÉES DIAMANT NADELFEILEN / LIMAS DE AGUJA DIAMANTADAS



| | | |
|--|--|---|
| DA9401 |  |  |
| Hand / Pilier / Flachstumpf / Plana Grit / Grain / Körnung / Grano 91 | L = mm | A x B = mm |
| DA9401-91 | 140 | 4.8 x 1.3 1 |
| DA9402 |  |  |
| Halfround / Mironde / Halbrund / Media caña Grit / Grain / Körnung / Grano 91 | L = mm | A x B = mm |
| DA9402-91 | 140 | 5.0 x 1.7 1 |
| DA9407 |  |  |
| Three-square / Triangulaire / Dreikant / Triangular Grit / Grain / Körnung / Grano 91 | L = mm | A = mm |
| DA9407-91 | 140 | 3.3 1 |
| DA9408 |  |  |
| Square / Carrée / Vierkant / Cuadrada Grit / Grain / Körnung / Grano 91 | L = mm | A = mm |
| DA9408-91 | 140 | 2.4 1 |
| DA9410 |  |  |
| Round / Ronde / Rund / Redonda Grit / Grain / Körnung / Grano 91 | L = mm | Ø = mm |
| DA9410-91 | 140 | 2.8 1 |
| DA9470 |  |  |
| Set of 5 files / Jeu de 5 limes Satz zu 5 Feilen / Juego de 5 limas Grit / Grain / Körnung / Grano 91 | L = mm |  |
| DA9470-91 | 140 | 1 |
| Composed of / Composé de / Bestehend aus / Compuesto de: DA9401 - DA9402 - DA9407 - DA9408 - DA9410 | | |

CERAMIC FIBER FILES / LIMES FIBRES CÉRAMIQUES KERAMIKFASERN FEILEN / LIMAS DE FIBRAS CERÁMICAS



LF0502

Pillar / Pilier
Stiften / Plana
L = 100 mm
A x B = 2.0 x 0.5 mm
Grit / Grain / Körnung / Grano
300 400 600 800 1000 1200
= 10

| | | | | | |
|--------------|--------------|--------------|--------------|---------------|---------------|
| LF0502-M-300 | LF0502-M-400 | LF0502-M-600 | LF0502-M-800 | LF0502-M-1000 | LF0502-M-1200 |
|--------------|--------------|--------------|--------------|---------------|---------------|

LF1002

Pillar / Pilier
Stiften / Plana
L = 100 mm
A x B = 2.0 x 1.0 mm
Grit / Grain / Körnung / Grano
120 220 300 400 600 800 1000 1200 1500 2000 3000
= 10

| | | | | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|
| LF1002-M-120 | LF1002-M-220 | LF1002-M-300 | LF1002-M-400 | LF1002-M-600 | LF1002-M-800 | LF1002-M-1000 | LF1002-M-1200 | LF1002-M-1500 | LF1002-M-2000 | LF1002-M-3000 |
|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|

LF0504

Pillar / Pilier
Stiften / Plana
L = 100 mm
A x B = 4.0 x 0.5 mm
Grit / Grain / Körnung / Grano
220 300 400 600 800 1000 1200
= 10

| | | | | | | |
|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| LF0504-M-220 | LF0504-M-300 | LF0504-M-400 | LF0504-M-600 | LF0504-M-800 | LF0504-M-1000 | LF0504-M-1200 |
|--------------|--------------|--------------|--------------|--------------|---------------|---------------|

LF1004

Pillar / Pilier
Stiften / Plana
L = 100 mm
A x B = 4.0 x 1.0 mm
Grit / Grain / Körnung / Grano
120 220 300 400 600 800 1000 1200 1500
= 10

| | | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|
| LF1004-M-120 | LF1004-M-220 | LF1004-M-300 | LF1004-M-400 | LF1004-M-600 | LF1004-M-800 | LF1004-M-1000 | LF1004-M-1200 | LF1004-M-1500 |
|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|

LF234

Round / Ronde
Rund / Redonda
L = 50 mm
Ø = 2.3 mm
Grit / Grain / Körnung / Grano
220 300 400 600 800 1000 1200
= 10

| | | | | | | |
|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| LF234-S-220 | LF234-S-300 | LF234-S-400 | LF234-S-600 | LF234-S-800 | LF234-S-1000 | LF234-S-1200 |
|-------------|-------------|-------------|-------------|-------------|--------------|--------------|

LF30

Round / Ronde
Rund / Redonda
L = 50 mm
Ø = 3.0 mm
Grit / Grain / Körnung / Grano
220 300 400 600 800 1000 1200
= 10


| | | | | | | |
|------------|------------|------------|------------|------------|-------------|-------------|
| LF30-S-220 | LF30-S-300 | LF30-S-400 | LF30-S-600 | LF30-S-800 | LF30-S-1000 | LF30-S-1200 |
|------------|------------|------------|------------|------------|-------------|-------------|



LAM001

Pillar / Piliar
 Stiften / Plana
 Cut / Taille / Hieb / Picado




| 00 | 0 | 2 | L = mm | A x B = mm |  |
|---------------|--------------|--------------|-----------|---------------|---|
| | LAM001-140-0 | LAM001-140-2 | 140 | 5.4 x 1.2 | 12 |
| LAM001-160-00 | LAM001-160-0 | LAM001-160-2 | 160 | 6.0 x 1.3 | 12 |
| | LAM001-180-0 | LAM001-180-2 | 180 | 6.6 x 1.4 | 12 |

LAM002

Halfround / Mironde
 Halbrund / Media caña
 Cut / Taille / Hieb / Picado




| 00 | 0 | 2 | L = mm | A x B = mm |  |
|---------------|--------------|--------------|-----------|---------------|---|
| | LAM002-140-0 | LAM002-140-2 | 140 | 5.0 x 1.7 | 12 |
| LAM002-160-00 | LAM002-160-0 | LAM002-160-2 | 160 | 5.5 x 1.85 | 12 |
| | LAM002-180-0 | LAM002-180-2 | 180 | 5.9 x 2.05 | 12 |

LAM003

Crossing / Feuille de sauge
 Vogelzunge / Almendra
 Cut / Taille / Hieb / Picado




| 0 | 2 | | L = mm | A x B = mm |  |
|--------------|--------------|--|-----------|---------------|---|
| LAM003-140-0 | LAM003-140-2 | | 140 | 4.5 x 1.95 | 12 |
| LAM003-160-0 | LAM003-160-2 | | 160 | 5.1 x 2.1 | 12 |

LAM005

Knife / Couteau
 Messer / Cuchillo
 Cut / Taille / Hieb / Picado




| 0 | 2 | | L = mm | A x B = mm |  |
|--------------|--------------|--|-----------|---------------|---|
| LAM005-140-0 | LAM005-140-2 | | 140 | 5.0 x 1.4 | 12 |
| LAM005-160-0 | LAM005-160-2 | | 160 | 5.4 x 1.5 | 12 |

LAM006

Warding / Entrée
 Flachspitz / Plana de punta
 Cut / Taille / Hieb / Picado




| 00 | 0 | 2 | L = mm | A x B = mm |  |
|---------------|--------------|--------------|-----------|---------------|---|
| | LAM006-140-0 | LAM006-140-2 | 140 | 5.2 x 1.3 | 12 |
| LAM006-160-00 | LAM006-160-0 | LAM006-160-2 | 160 | 6.0 x 1.4 | 12 |



LAM007



Three-square / Triangulaire
 Dreikant / Triangular
 Cut / Taille / Hieb / Picado







| 00 | 0 | 2 | L = mm | A = mm |  |
|---------------|--------------|--------------|-----------|-----------|---|
| | LAM007-140-0 | LAM007-140-2 | 140 | 3.5 | 12 |
| LAM007-160-00 | LAM007-160-0 | LAM007-160-2 | 160 | 3.9 | 12 |







| LAM008 | | |  | | |
|--|--------------|---|---|-----------|---|
| Square / Carrée Vierkant / Cuadrada Cut / Taille / Hieb / Picado | | | | | |
| 0 | 0 | 2 | L = mm | A = mm |  |
| LAM008-140-0 | LAM008-140-2 | | 140 | 2.4 | 12 |
| LAM008-160-0 | LAM008-160-2 | | 160 | 2.6 | 12 |

| LAM009 | | |  | | |
|---|--------------|--|---|---------------|---|
| Oval / Ovale Oval / Oval Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | | L = mm | A x B = mm |  |
| LAM009-140-0 | LAM009-140-2 | | 140 | 3.4 x 2.35 | 12 |
| LAM009-160-0 | LAM009-160-2 | | 160 | 3.8 x 2.55 | 12 |

| LAM010 | | |  | | |
|---|--------------|---------------|---|-----------|--|
| Round / Ronde Rund / Redonda Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | 00 | L = mm | Ø = mm |  |
| LAM010-140-0 | LAM010-140-2 | | 140 | 2.8 | 12 |
| LAM010-160-0 | LAM010-160-2 | LAM010-160-00 | 160 | 2.9 | 12 |

| LAM011 | | |  | | |
|---|--------------|--|---|---------------|---|
| Barrette / Barrette Barett / Barrete Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | | L = mm | A x B = mm |  |
| LAM011-140-0 | LAM011-140-2 | | 140 | 5.0 x 2.0 | 12 |
| LAM011-160-0 | LAM011-160-2 | | 160 | 5.4 x 2.2 | 12 |

| LAM015 | | |  | | |
|---|--------------|--|---|---------------|---|
| Crochet / Crochet Flachspitz runde Kanten / Gancho Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | | L = mm | A x B = mm |  |
| LAM015-140-0 | LAM015-140-2 | | 140 | 4.8 x 1.4 | 12 |
| LAM015-160-0 | LAM015-160-2 | | 160 | 5.4 x 1.5 | 12 |


| LAM016 | | |  | | |
|---|--------------|--|---|---------------|---|
| Pillar round edges / Pilier bords ronds Flachstumpf, runde Kanten / Plana de bordes redondos Cut / Taille / Hieb / Picado | | | | | |
| 0 | 2 | | L = mm | A x B = mm |  |
| LAM016-140-0 | LAM016-140-2 | | 140 | 4.8 x 1.4 | 12 |
| LAM016-160-0 | LAM016-160-2 | | 160 | 5.4 x 1.5 | 12 |



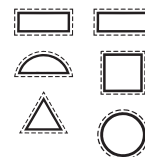
LAM020

Set of 6 files in pouch
 Jeu de 6 limes en étui
 Satz zu 6 Feilen in Tasche
 Juego de 6 limas en estuche

Cut / Taille / Hieb / Picado

| 0 | 2 | L = mm |  |
|--------------|--------------|-----------|---|
| LAM020-140-0 | LAM020-140-2 | 140 | 1 |
| LAM020-160-0 | LAM020-160-2 | 160 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
 LAM001 - LAM002 - LAM006 - LAM007 - LAM008 - LAM010

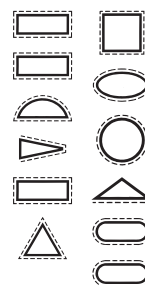


LAM040

Set of 12 files in pouch
 Jeu de 12 limes en étui
 Satz zu 12 Feilen in Tasche
 Juego de 12 limas en estuche

| LAM040-160 | L = mm |  |
|------------|-----------|---|
| | 160 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
 LAM001-160-0 - LAM001-160-2 - LAM002-160-2 - LAM005-160-2 - LAM006-160-2 -
 LAM007-160-2 - LAM008-160-2 - LAM009-160-2 - LAM010-160-2 - LAM011-160-2 -
 LAM015-160-2 - LAM016-160-2

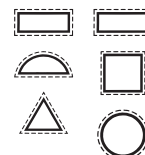


LAM020_ST

Set of 6 files single cut in pouch
 Jeu de 6 limes simple taille en étui
 Satz zu 6 Feilen einfacher Hieb in Tasche
 Juego de 6 limas simple picado en estuche

Cut / Taille / Hieb / Picado

| 2-ST | L = mm |  |
|----------------|-----------|---|
| LAM020-140-2ST | 140 | 1 |





LH9602


Halfround for jewellers
Mironde pour bijoutier
Halbrund für Juweliere / Media caña para joyeros

Cut / Taille / Hieb / Picado

0 00

LH9602-0 LH9602-00



| L = | A x B = | |
|-----|------------|---|
| mm | mm |  |
| 215 | 12.4 x 3.3 | 12 |

LH9607


Three-square for jewellers
Triangulaire pour bijoutier
Dreikant für Juweliere / Triangular para joyeros

Cut / Taille / Hieb / Picado

0 00

LH9607-0 LH9607-00



| L = | A = | |
|-----|-----|---|
| mm | mm |  |
| 215 | 8.1 | 12 |

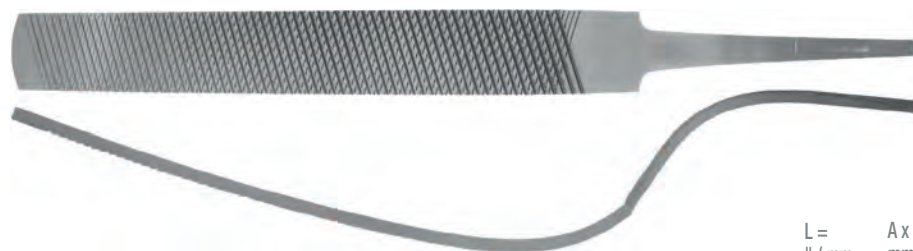
SPECIAL MACHINIST FILES / LIMES D'ATELIER SPÉCIALES
SPEZIAL WERKZEUG-FEILEN / LIMAS DE TALLER ESPECIAL




LQPL218

Incurved hand
Plate incurvée
Gebogene Flachfeile
Plana hueca

LQPL218-8




| L = | A x B = | |
|---------|------------|---|
| " / mm | mm |  |
| 8 / 200 | 25.0 x 5.0 | 6 |

LQPL230

Incurved hand
Plate incurvée
Gebogene Flachfeile
Plana hueca



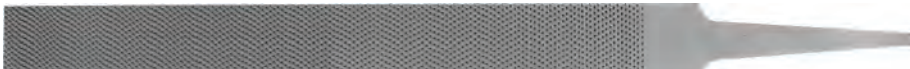

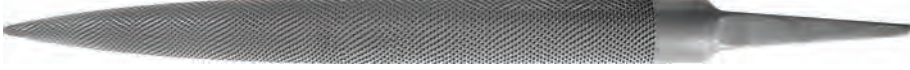



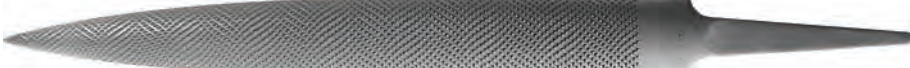



LQPL230



| L = | A x B = | |
|----------|------------|---|
| " / mm | mm |  |
| 14 / 350 | 34.0 x 5.5 | 6 |

FINES RASPS / RÂPES PIQUÉES FINES FEINE RASPELN / LIMAS PICADO FINO



| | | | | | | |
|--|-------------|--|---|-------------|-------------|---------------|
| RA1559 | |  |  | | | |
| Halfround slim thin Mironde effilée mince Halbrund schlank dünn / Media caña delgada fina Cut / Taille / Hieb / Picado 5 | | | | 6 | L = "/mm | A x B = mm |
| RA1559-10-5 | RA1559-10-6 | | 10 / 250 | 21.8 x 4.3 | 3 | |
| RA3512 | |  |  | | | |
| Hand / Plate Flachstumpf / Plana Cut / Taille / Hieb / Picado 7 | | | | 6 | L = "/mm | A x B = mm |
| RA3512-6-7 | RA3512-8-6 | | 6 / 150 | 15.5 x 3.5 | 3 | |
| | | | 8 / 200 | 19.3 x 4.5 | 3 | |
| RA3512-10-7 | | | 10 / 250 | 25.3 x 5.3 | 3 | |
| RA3552 | |  |  | | | |
| Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 7 | | | | 6 | L = "/mm | A x B = mm |
| RA3552-6-7 | RA3552-8-6 | | 6 / 150 | 15.0 x 4.5 | 3 | |
| | | | 8 / 200 | 20.0 x 5.85 | 3 | |
| RA3552-10-7 | | | 10 / 250 | 25.2 x 7.25 | 3 | |
| RA3553 | |  |  | | | |
| Halfround slim / Mironde effilée Halbrund schlank / Media caña delgada Cut / Taille / Hieb / Picado 7 | | | | 6 | L = "/mm | A x B = mm |
| RA3553-6-7 | RA3553-8-6 | | 6 / 150 | 12.3 x 4.68 | 3 | |
| | | | 8 / 200 | 15.5 x 5.0 | 3 | |
| RA3559 | |  |  | | | |
| Halfround cabinet / Mironde chaisière Halbrund-Cabinet / Media caña Sillero Cut / Taille / Hieb / Picado 7 | | | | 6 | L = "/mm | A x B = mm |
| RA3559-6-7 | RA3559-8-6 | | 6 / 150 | 18.0 x 3.5 | 3 | |
| | | | 8 / 200 | 22.0 x 4.3 | 3 | |
| RA3559-10-7 | RA3559-10-6 | | 10 / 250 | 26.0 x 5.0 | 3 | |
| RA3562 | |  |  | | | |
| Round / Ronde Rund / Redonda Cut / Taille / Hieb / Picado 7 | | | | 6 | L = "/mm | Ø = mm |
| RA3562-6-7 | RA3562-8-6 | | 6 / 150 | 6.0 | 3 | |
| | | | 8 / 200 | 7.5 | 3 | |
| | RA3562-10-6 | | 10 / 250 | 9.0 | 3 | |

PRECISION RASPS / RÂPES DE PRÉCISION PRÄZISIONSRASPELN / ESCOFINAS DE PRECISIÓN

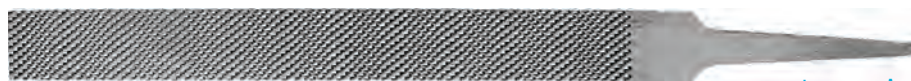


RA1512

Hand / Plate / Flachstumpf / Plana

Cut / Taille / Hieb / Picado

5



L =
"/mm

A x B =
mm



RA1512-6-5

6 / 150 15.5 x 3.5 12

RA1512-8-5

8 / 200 19.3 x 4.5 12

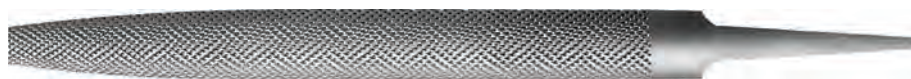
RA1552

Halfround / Mironde

Halbrund / Media caña

Cut / Taille / Hieb / Picado

5



L =
"/mm

A x B =
mm



RA1552-6-5

6 / 150 15.1 x 4.5 12

RA1552-8-5

8 / 200 20.0 x 5.8 12

RA1552-10-5

10 / 250 25.2 x 7.2 12

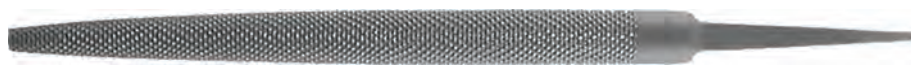
RA1553

Halfround slim / Mironde effilée

Halbrund schlank / Media caña delgada

Cut / Taille / Hieb / Picado

5



L =
"/mm

A x B =
mm



RA1553-6-5

6 / 150 12.0 x 4.6 12

RA1554

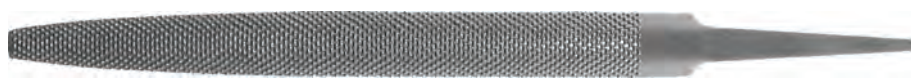
Halfround extra narrow

Mironde très effilée

Halbrund sehr schlank / Media caña muy delgada

Cut / Taille / Hieb / Picado

5



L =
"/mm

A x B =
mm



RA1554-6-5

6 / 150 9.0 x 3.6 12

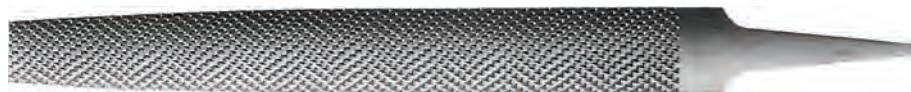
RA1558

Halfround cabinet / Mironde chaisière

Halbrund-Kabinet / Media caña sillero

Cut / Taille / Hieb / Picado

2



L =
"/mm

A x B =
mm



RA1558-8-2

3

4

5

6 / 150 22.0 x 3.8 12

RA1558-10-2

RA1558-8-3

RA1558-10-4

RA1558-8-5

8 / 200 25.0 x 4.4 12

RA1558-12-2

RA1558-10-3

RA1558-12-3

RA1558-10-5

10 / 250 29.0 x 5.1 12

RA1558-12-5

RA1558-12-5

RA1558-12-5

12 / 300 33.0 x 5.7 6

RA1562

Round / Ronde / Rund / Redonda

Cut / Taille / Hieb / Picado

5



L =
"/mm

Ø =
mm



RA1562-6-5

6 / 150 6.0 12

RA1562-8-5

8 / 200 7.5 12

RA5190

Round / Ronde / Rund / Redonda

Cut / Taille / Hieb / Picado

2



L =
"/mm

Ø =
mm



RA5190-8-2




8 / 200 7.5 12




RA5190-10-2




10 / 250 9.4 12




NEEDLE FILES RASPS / LIMES AIGUILLES RÂPES NADELRASPELN / LIMAS DE AGUJA ESCOFINAS









| | | |
|--|--|--|
| RA2501 |  |  |
| Hand / Plana Flachstumpf / Plana Cut / Taille / Hieb / Picado 4 | | |
| RA2501-140-4 | L = 140 mm | A x B = 5.0 x 1.3 mm |
| | |  12 |


| | | |
|---|--|--|
| RA2502 |  |  |
| Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 4 | | |
| RA2502-140-4 | L = 140 mm | A x B = 5.3 x 1.65 mm |
| | |  12 |

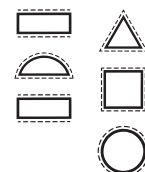
| | | |
|--|--|--|
| RA2506 |  |  |
| Warding / Entrée Flachspitz / Plana de punta Cut / Taille / Hieb / Picado 4 | | |
| RA2506-140-4 | L = 140 mm | A x B = 5.4 x 1.2 mm |
| | |  12 |

| | | |
|---|--|--|
| RA2507 |  |  |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 4 | | |
| RA2507-140-4 | L = 140 mm | A = 3.5 mm |
| | |  12 |

| | | |
|---|--|--|
| RA2508 |  |  |
| Square / Carrée Vierkant / Cuadrada Cut / Taille / Hieb / Picado 4 | | |
| RA2508-140-4 | L = 140 mm | A = 2.6 mm |
| | |  12 |

| | | |
|--|--|--|
| RA2510 |  |  |
| Round / Ronde Rund / Redonda Cut / Taille / Hieb / Picado 4 | | |
| RA2510-140-4 | L = 140 mm | Ø = 2.9 mm |
| | |  12 |

| | | | |
|--|------------|---|--|
| RA2530 | | | |
| Set of 6 rasps in pouch Jeu de 6 râpes en étui Satz zu 6 Raspeln in Tasche Juego de 6 escofinas en estuche Cut / Taille / Hieb / Picado 4 | | | |
| RA2530-140-4 | L = 140 mm |  1 | |



Composed of / Composé de / Bestehend aus / Compuesto de:
RA2501 - RA2502 - RA2506 - RA2507 - RA2508 - RA2510

FINE RIFFLERS RASPS / RIFLOIRS RÂPES PIQUÉS FINS
FEINE RIFFELFEILEN RASPELN / CODILLOS ESCOFINAS PICADO FINO




RA3201

Hand / Plate
Flachstumpf / Plano
Cut / Taille / Hieb / Picado
7



RA3201-200-7


| | | |
|-----------|---------------|---|
| L = mm | A x B = mm |  |
| 200 | 9.3 x 2.6 | 3 |

RA3203

Three-square / Triangulaire
Dreikant / Triangular
Cut / Taille / Hieb / Picado
7



RA3203-200-7

| | | |
|-----------|-----------|---|
| L = mm | A = mm |  |
| 200 | 7.9 | 3 |

RA3205

Round / Ronde
Rund / Redonda



Cut / Taille / Hieb / Picado
7

RA3205-200-7


| | | |
|-----------|-----------|--|
| L = mm | Ø = mm |  |
| 200 | 5.3 | 3 |

RA3208

Knife / Couteau
Messer / Cuchillo
Cut / Taille / Hieb / Picado
7



RA3208-200-7


| | | |
|-----------|---------------|---|
| L = mm | A x B = mm |  |
| 180 | 11.7 x 2.8 | 3 |

RA3212

Cat tongue / Langue de chat
Katzenzunge / Lengua de gato
Cut / Taille / Hieb / Picado
7



RA3212-200-7


| | | |
|-----------|---------------|---|
| L = mm | A x B = mm |  |
| 200 | 8.7 x 2.8 | 3 |

RA3294

Crossing / Feuille de sauge
Vogelzunge / Almendra
Cut / Taille / Hieb / Picado
7



RA3294-200-7

| | | |
|-----------|---------------|---|
| L = mm | A x B = mm |  |
| 200 | 9.5 x 4.6 | 3 |

RIFFLERS RASPS / RIFLOIRS RÂPES RIFFELFEILEN RASPELN / CODILLOS ESCOFINAS



| | | | | | | |
|-----------------------------------|---|--------------|-----|-------------|---------------|--|
| RA2201 | Hand / Plate Flachstumpf / Plana Cut / Taille / Hieb / Picado 3 | | | L = mm | A x B = mm | |
| RA2201-200-3 | 5 | RA2201-200-5 | 200 | 9.3 x 2.6 | 6 | |
| RA2202 | Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 3 | | | L = mm | A x B = mm | |
| RA2202-200-3 | 5 | RA2202-200-5 | 200 | 10.5 x 4.0 | 6 | |
| RA2203 | Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 5 | | | L = mm | A = mm | |
| RA2203-200-5 | 200 | 7.9 | 6 | | | |
| RA2205 | Round / Ronde Rund / Redonda | | | L = mm | Ø = mm | |
| Cut / Taille / Hieb / Picado 3 | 5 | RA2205-185-5 | 180 | 4.8 | 6 | |
| RA2205-200-3 | RA2205-200-5 | 200 | 5.3 | 6 | | |
| RA2208 | Knife / Couteau Messer / Cuchillo Cut / Taille / Hieb / Picado 3 | | | L = mm | A x B = mm | |
| RA2208-200-3 | 5 | RA2208-200-5 | 180 | 11.7 x 2.8 | 6 | |
| RA2294 | Crossing / Feuille de sauge Vogelzunge / Almendra Cut / Taille / Hieb / Picado 3 | | | L = mm | A x B = mm | |
| RA2294-200-3 | 5 | RA2294-200-5 | 180 | 9.5 x 4.6 | 6 | |
| RA2302 | Halfround stairs / Mirond escalier Treppenbaurspel / Media caña escalera | | | L = mm | A x B = mm | |
| Cut / Taille / Hieb / Picado 2 | 5 | RA2302-300-2 | 300 | 19.2 x 8.95 | 6 | |

RIFFLERS RASPS / RIFLOIRS RÂPES RIFFELFEILEN RASPELN / CODILLOS ESCOFINAS



RA12511

Hand / Plate
Flachstumpf / Plana
Cut / Taille / Hieb / Picado
4



L = mm
A x B = mm

RA12511

180 8.3 x 2.4 6

RA12531

Square / Carrée
Vierkant / Cuadrada

Cut / Taille / Hieb / Picado
4



L = mm
A = mm

RA12531

180 4.8 6

RA12550

Knife / Couteau
Messer / Cuchillo
Cut / Taille / Hieb / Picado
4



L = mm
A x B = mm

RA12550

180 10.4 x 2.7 6

RA12563

Halfround / Mironde
Halbrund / Media caña
Cut / Taille / Hieb / Picado
4



L = mm
A x B = mm

RA12563

180 9.2 x 3.6 6

RA12570

Crossing / Feuille de sauge
Vogelzunge / Almendra
Cut / Taille / Hieb / Picado
4



L = mm
A x B = mm

RA12570

180 7.8 x 4.1 6

RA12581

Round / Ronde
Rund / Redonda
Cut / Taille / Hieb / Picado
44







L = mm
Ø = mm



RA12581



180 5.4 6






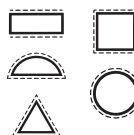
| | | |
|--|--|---|
| RA2701 |  |  |
| Hand / Plate Flachstumpf / Plana Cut / Taille / Hieb / Picado 3 | | |
| RA2701-3 | L = mm | A x B = mm |
| | 205 | 10.0 x 3.1 |
| | | 12 |

| | | |
|---|--|---|
| RA2702 |  |  |
| Halfround / Mironde Halbrund / Media caña Cut / Taille / Hieb / Picado 3 | | |
| RA2702-3 | L = mm | A x B = mm |
| | 205 | 12.2 x 3.6 |
| | | 12 |

| | | |
|---|--|---|
| RA2707 |  |  |
| Three-square / Triangulaire Dreikant / Triangular Cut / Taille / Hieb / Picado 3 | | |
| RA2707-3 | L = mm | A = mm |
| | 205 | 10.3 |
| | | 12 |

| | | |
|---|--|---|
| RA2708 |  |  |
| Square / Carrée Vierkant / Cuadrada Cut / Taille / Hieb / Picado 3 | | |
| RA2708-3 | L = mm | A = mm |
| | 205 | 7.0 |
| | | 12 |

| | | |
|--|--|---|
| RA2710 |  |  |
| Round / Ronde Rund / Redonda Cut / Taille / Hieb / Picado 3 | | |
| RA2710-3 | L = mm | Ø = mm |
| | 205 | 6.5 |
| | | 12 |

| | | |
|--|--|---|
| RA2730 |  |  |
| Set of 5 rasps in pouch Jeu de 5 râpes en étui Satz zu 5 Raspeln in Tasche Juego de 5 escofinas en estuche Cut / Taille / Hieb / Picado 3 | | |
| RA2730-3 | L = mm | 1 |
| | 205 | 1 |

Composed of / Composé de / Bestehend aus / Compuesto de:
RA2701 - RA2702 - RA2707 - RA2708 - RA2710



ECB010

Kit School Classic
Kit School Classic
Kit School Classic
Kit School Classic



ECB010

1

Composed of / Composé de / Bestehend aus / Compuesto de:

LP1132-6-0 - LP1163-6-0 - LP1163-6-2 - LA2402-140-2 - LA2407-140-2 - LA2408-140-2 - LA2410-140-2 - LA2411-140-2 - LH2602-1 - L00403-0-HSS - SBM-2/0 (1 gross / grosse / Gros / gruessa) - ASB410 - 2 x AL410-BLEU - AL4101



ECB020

Kit School Premium
Kit School Premium
Kit School Premium
Kit School Premium



ECB020

1

Composed of / Composé de / Bestehend aus / Compuesto de:

LP1060-6-0 - LP1060-6-3 - LP1133-6-2 - LP1163-6-2 - LP1163-8-0 - LP1540-8 - LP1566-6-0 - LP1960-6-2 - LA2402-160-2 - LA2403-160-2 - LA2407-160-2 - LA2408-160-2 - LA2410-160-2 - LA2411-160-2 - LAC2411-140-G10 - L00401-8-HSS - L00402-6-HSS - L00403-0-HSS - SBM-2/0 (1 gross / grosse / Gros / gruessa) - SBM-4/0 (1 gross / grosse / Gros / gruessa) - ASB410 - 2 x AL410-BLEU - AL500 - AL600 - AL4101



HSS GRAVERS / ECHOPPES HSS HSS-GRAVIERSTICHEL / BURILES PARA GRABAR HSS



L00401HSS

Flat edge / Bord plat
Flach / Borde plano



| | L = mm | A = mm | A |
|---------------|-----------|-----------|-------|
| L00401-2-HSS | 65 | 0.2 | 5 |
| L00401-4-HSS | 65 | 0.4 | 5 |
| L00401-6-HSS | 65 | 0.6 | 5 |
| L00401-8-HSS | 65 | 0.8 | 5 |
| L00401-10-HSS | 65 | 1.0 | 5 |
| L00401-12-HSS | 65 | 1.2 | 5 |
| L00401-14-HSS | 65 | 1.4 | 5 |
| L00401-16-HSS | 65 | 1.6 | 5 |
| L00401-18-HSS | 65 | 1.8 | 5 |
| L00401-20-HSS | 65 | 2.0 | 5 |

L00402HSS

Round edge / Bord rond
Boll / Borde redondo



| | L = mm | A = mm | A |
|---------------|-----------|-----------|-------|
| L00402-2-HSS | 65 | 0.2 | 5 |
| L00402-4-HSS | 65 | 0.4 | 5 |
| L00402-6-HSS | 65 | 0.6 | 5 |
| L00402-8-HSS | 65 | 0.8 | 5 |
| L00402-10-HSS | 65 | 1.0 | 5 |
| L00402-12-HSS | 65 | 1.2 | 5 |
| L00402-16-HSS | 65 | 1.6 | 5 |

L00403HSS

Onglette / Onglette
Spitzstichel / De punta



| | L = mm | A = mm | A |
|----------------|-----------|-----------|-------|
| L00403-5/0-HSS | 65 | 1.2 | 5 |
| L00403-4/0-HSS | 65 | 1.2 | 5 |
| L00403-3/0-HSS | 65 | 1.4 | 5 |
| L00403-2/0-HSS | 65 | 1.5 | 5 |
| L00403-0-HSS | 65 | 1.6 | 5 |
| L00403-1-HSS | 65 | 1.8 | 5 |
| L00403-2-HSS | 65 | 1.9 | 5 |
| L00403-3-HSS | 65 | 2.2 | 5 |
| L00403-4-HSS | 65 | 2.5 | 5 |
| L00403-5-HSS | 65 | 2.7 | 5 |
| L00403-6-HSS | 65 | 2.9 | 5 |
| L00403-8-HSS | 65 | 3.4 | 5 |

L00406HSS

Knife / Tranchante
Messerstichel / De cuchillo



| | L = mm | A = mm | A |
|---------------|-----------|-----------|-------|
| L00406-18-HSS | 65 | 1.8 | 5 |
| L00406-20-HSS | 65 | 2.0 | 5 |
| L00406-22-HSS | 65 | 2.2 | 5 |
| L00406-24-HSS | 65 | 2.4 | 5 |
| L00406-26-HSS | 65 | 2.6 | 5 |

WS GRAVERS / ECHOPPES WS WS-GRAVIERSTICHEL / BURILES PARA GRABAR WS



L00401WS

Flat edge / Bord plat
Flach / Borde plano



| L = mm | A = mm | |
|-----------|-----------|---|
| 80 | 0.2 | 5 |
| 80 | 0.4 | 5 |
| 80 | 0.6 | 5 |
| 80 | 0.8 | 5 |
| 80 | 1.0 | 5 |
| 80 | 1.2 | 5 |
| 80 | 1.4 | 5 |
| 80 | 1.6 | 5 |



L00402WS

Round edge / Bord rond
Boll / Borde redondo



| L = mm | A = mm | |
|-----------|-----------|---|
| 80 | 0.2 | 5 |
| 80 | 0.4 | 5 |
| 80 | 0.6 | 5 |
| 80 | 0.8 | 5 |
| 80 | 1.0 | 5 |
| 80 | 1.2 | 5 |



L00403WS

Onglette / Onglette
Spitz / De punta



| L = mm | A = mm | |
|-----------|-----------|---|
| 80 | 1.5 | 5 |
| 80 | 1.6 | 5 |
| 80 | 1.8 | 5 |
| 80 | 1.9 | 5 |
| 80 | 2.2 | 5 |
| 80 | 2.5 | 5 |



L00404WS

Oval / Ovale
Oval / Oval



| L = mm | A = mm | |
|-----------|-----------|---|
| 80 | 2.1 | 5 |



L00405WS

Bevel / A biseau
Facetten / Chaflán



| L = mm | A = mm | |
|-----------|-----------|---|
| 80 | 1.2 | 5 |




WS GRAVERS / ECHOPPES WS WS-GRAVIERSTICHEL / BURILES PARA GRABAR WS



L00406WS

Knife / Tranchante
Messer / De cuchillo



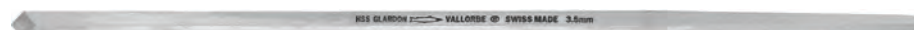
| | L = mm | A = mm |  |
|--------------|-----------|-----------|---|
| L00406-18-WS | 80 | 1.8 | 5 |
| L00406-20-WS | 80 | 2.0 | 5 |
| L00406-22-WS | 80 | 2.2 | 5 |
| L00406-26-WS | 80 | 2.6 | 5 |
| L00406-30-WS | 80 | 3.0 | 5 |


HSS NON CUTTING TOOLS / OUTILS SANS TAILLE HSS HSS-WERKZEUGE OHNE HIEB / HERRAMIENTAS NO CORTANTES HSS



L00501HSS

Square watchmakers' gravers / Burins carrés
Vierkant Uhrmacherstichel / Buriles cuadrados



| | L = mm | A = mm |  |
|-----------------|-----------|-----------|---|
| L00501-2,25-HSS | 110 | 2.3 | 12 |
| L00501-2,5-HSS | 110 | 2.5 | 12 |
| L00501-2,75-HSS | 110 | 2.8 | 12 |
| L00501-3-HSS | 110 | 3.0 | 12 |
| L00501-3,5-HSS | 110 | 3.5 | 12 |
| L00501-4-HSS | 110 | 4.0 | 12 |

L0809

HSS three-square double hollow scraper
Grattoir triangulaire double évidé HSS
HSS Dreikant Doppelhohlschaber / Rasqueta triangulares hueca doble HSS



| | L = mm | A = mm |  |
|-----------|-----------|-----------|---|
| L0809-HSS | 90 | 7.4 | 12 |



L00501WS

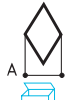
Square watchmakers' gravers / Burins carrés
Vierkant Uhrmacherstichel / Buriles cuadrados para grabadores y relojeros



| | L = mm | A = mm | |
|----------------|-----------|-----------|----|
| L00501-1,50-WS | 110 | 1.5 | 12 |
| L00501-1,75-WS | 110 | 1.8 | 12 |
| L00501-2-WS | 110 | 2.0 | 12 |
| L00501-2,25-WS | 110 | 2.3 | 12 |
| L00501-2,5-WS | 110 | 2.5 | 12 |
| L00501-2,75-WS | 110 | 2.8 | 12 |
| L00501-3-WS | 110 | 3.0 | 12 |
| L00501-3,25-WS | 110 | 3.3 | 12 |

L00502WS

Lozenge watchmakers' gravers / Burins losanges
Raute Uhrmacherstichel / Buriles romboides para grabadores y relojeros



| | L = mm | A = mm | |
|-------------|-----------|-----------|----|
| L00502-1,5 | 110 | 1.5 | 12 |
| L00502-1,75 | 110 | 1.8 | 12 |
| L00502-2 | 110 | 2.0 | 12 |
| L00502-2,5 | 110 | 2.5 | 12 |

L00653

Three-square scrapers
Grattoirs triangulaires
Dreikant Schaber / Rasquetas triangulares



| | L = "/ mm | A = mm | |
|------------|--------------|-----------|----|
| L00653-2 | 2 / 50 | 5.0 | 12 |
| L00653-2,5 | 2.5 / 63 | 6.0 | 12 |
| L00653-3 | 3 / 75 | 7.0 | 12 |
| L00653-4 | 4 / 100 | 9.0 | 12 |

L00655

Incurved scrapers / Grattoirs incurvés
Hohl-Schaber / Rasquetas huecas



| | L = "/ mm | A = mm | |
|----------|--------------|-----------|----|
| L00655-3 | 3 / 75 | 6.0 | 12 |
| L00655-4 | 4 / 100 | 9.0 | 12 |

L00788

Oval straight burnisher / Brunissoir oval droit
Polierstahl oval gerade / Bruñidor oval recto



| | L = "/ mm | A = mm | |
|----------|--------------|-----------|----|
| L00788-3 | 3 / 75 | 6.5 x 3.5 | 12 |
| L00788-4 | 4 / 100 | 84.2 | 12 |













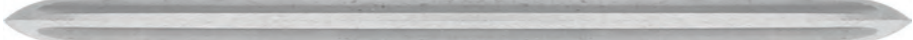





L0651

WS-plotting tip / Pointe à tracer WS
WS-Plottspitze / Punta de trazado



| | L = mm | Ø = mm | |
|-------|-----------|-----------|----|
| L0651 | 180 | 4.8 | 12 |



| | | | |
|---|--|---|---|
| L0653 |  |  | |
| WS-plotting tip + oval burnisher / Pointe à tracer + brunissoir oval WS WS-Plottspitze + Polierstahl oval / Punta de trazado + bruñidor oval WS | | | |
| L0653 | L = mm | Ø/ Ax B = mm |  |
| | 180 | 4.8 / 6.6x3.4 | 12 |
| L0656 |  |  | |
| WS-engraving tip / Pointe à graver WS WS-Gravierspitze / Punta de grabado WS | | | |
| L0656 | L = mm | Ø = mm |  |
| | 140 | 7.0 | 12 |
| L0657 |  |  | |
| WS-three-square scraper + oval burnisher Grattoir triangulaire + brunissoir oval WS WS-Dreikant Doppelhohlschaber + Polierstahl oval / Rasqueta triangular + bruñidor oval WS | | | |
| L0657 | L = mm | A = mm |  |
| | 190 | 7.4 / 7.8x4.1 | 12 |
| L0901 |  |  | |
| Three-square scrapers with round handle / Grattoir triangulaire manche rond Dreikant Schaber mit rundem Griff / Rasqueta triangulare con mango redondo | | | |
| L0901 | L = mm | A = mm |  |
| | 160 | 4.3 | 12 |
| L0903 |  |  | |
| Double hollow scraper Grattoir double évidé Doppelhohlschaber / Rasqueta hueca doble | | | |
| L0903 | L = mm | A = mm |  |
| | 80 | 4.9 | 12 |
| L0911 |  |  | |
| Double hollow scraper Grattoir double évidé Doppelhohlschaber / Rasqueta hueca doble | | | |
| L0911 | L = mm | A = mm |  |
| | 83 | 4.7 | 12 |

HSS GRAVERS FOR MACHINES / ECHOPPES HSS POUR MACHINES HSS GRAVIERSTICHEL FÜR MASCHINEN / BURILES HSS PARA MÁQUINAS



LOM0401

Flat edge / Bord plat
Flach / Borde plano



L = mm A = mm



| | | | |
|----------------|----|-----|---|
| LOM0401-2-HSS | 55 | 0.2 | 5 |
| LOM0401-4-HSS | 55 | 0.4 | 5 |
| LOM0401-6-HSS | 55 | 0.6 | 5 |
| LOM0401-8-HSS | 55 | 0.8 | 5 |
| LOM0401-10-HSS | 55 | 1.0 | 5 |
| LOM0401-12-HSS | 55 | 1.2 | 5 |
| LOM0401-14-HSS | 55 | 1.4 | 5 |

LOM0402

Round edge / Bord rond
Boll / Borde redondo



L = mm A = mm



| | | | |
|----------------|----|-----|---|
| LOM0402-2-HSS | 55 | 0.2 | 5 |
| LOM0402-4-HSS | 55 | 0.4 | 5 |
| LOM0402-6-HSS | 55 | 0.6 | 5 |
| LOM0402-8-HSS | 55 | 0.8 | 5 |
| LOM0402-10-HSS | 55 | 1.0 | 5 |

LOM0403

Onglette / Onglette
Spitz / De punta



L = mm A = mm



| | | | |
|-----------------|----|-----|---|
| LOM0403-5/0-HSS | 55 | 1.2 | 5 |
| LOM0403-4/0-HSS | 55 | 1.2 | 5 |
| LOM0403-3/0-HSS | 55 | 1.4 | 5 |
| LOM0403-2/0-HSS | 55 | 1.5 | 5 |
| LOM0403-0-HSS | 55 | 1.6 | 5 |
| LOM0403-1-HSS | 55 | 1.8 | 5 |
| LOM0403-2-HSS | 55 | 1.9 | 5 |
| LOM0403-3-HSS | 55 | 2.2 | 5 |
| LOM0403-4-HSS | 55 | 2.5 | 5 |

LOM0406

Knife / Tranchante
Messer / De cuchillo



L = mm A = mm



| | | | |
|----------------|----|-----|---|
| LOM0406-18-HSS | 55 | 1.8 | 5 |
| LOM0406-20-HSS | 55 | 2.0 | 5 |
| LOM0406-22-HSS | 55 | 2.2 | 5 |



LOM1401

Flat edge / Bord plat
Flach / Borde plano




| | L = mm | A = mm | A  |
|--------------|-----------|-----------|--|
| LOM1401-2-C | 45 | 0.2 | 5 |
| LOM1401-4-C | 45 | 0.4 | 5 |
| LOM1401-6-C | 45 | 0.6 | 5 |
| LOM1401-8-C | 45 | 0.8 | 5 |
| LOM1401-10-C | 45 | 1.0 | 5 |
| LOM1401-12-C | 45 | 1.2 | 5 |
| LOM1401-14-C | 45 | 1.4 | 5 |

LOM1402

Round edge / Bord rond
Boll / Borde redondo




| | L = mm | A = mm | A  |
|--------------|-----------|-----------|--|
| LOM1402-2-C | 45 | 0.2 | 5 |
| LOM1402-4-C | 45 | 0.4 | 5 |
| LOM1402-6-C | 45 | 0.6 | 5 |
| LOM1402-8-C | 45 | 0.8 | 5 |
| LOM1402-10-C | 45 | 1.0 | 5 |

LOM1403

Onglette / Onglette
Spitzstichel / De punta




| | L = mm | A = mm | A  |
|-------------|-----------|-----------|--|
| LOM1403-0-C | 45 | 1.4 | 5 |
| LOM1403-1-C | 45 | 1.6 | 5 |
| LOM1403-2-C | 45 | 1.7 | 5 |
| LOM1403-3-C | 45 | 1.8 | 5 |
| LOM1403-4-C | 45 | 2.0 | 5 |

LOM1406

Knife / Tranchante
Messerstichel / De cuchillo



| | L = mm | α = mm | A  |
|---------------|-----------|------------------|--|
| LOM1406-30-C | 45 | 30 | 5 |
| LOM1406-45-C | 45 | 45 | 5 |
| LOM1406-60-C | 45 | 60 | 5 |
| LOM1406-75-C | 45 | 75 | 5 |
| LOM1406-90-C | 45 | 90 | 5 |
| LOM1406-105-C | 45 | 105 | 5 |
| LOM1406-110-C | 45 | 110 | 5 |
| LOM1406-120-C | 45 | 120 | 5 |



BGLA30

Gardon conical beading tools / Perloirs côneiques Gardon
Gardon konische Korneisen / Perleros cónicos Gardon



| | L = mm | Ø = mm | |
|--------------|-----------|-----------|-----|
| BGLA30-60-00 | 60 | 0.25 | 100 |
| BGLA30-60-01 | 60 | 0.30 | 100 |
| BGLA30-60-02 | 60 | 0.35 | 100 |
| BGLA30-60-03 | 60 | 0.40 | 100 |
| BGLA30-60-04 | 60 | 0.45 | 100 |
| BGLA30-60-05 | 60 | 0.50 | 100 |
| BGLA30-60-06 | 60 | 0.55 | 100 |
| BGLA30-60-07 | 60 | 0.60 | 100 |

BGLA50

Gardon spherical beading tools / Perloirs sphériques Gardon
Gardon sphärische Korneisen / Perleros esféricos Gardon



| | L = mm | Ø = mm | |
|--------------|-----------|-----------|-----|
| BGLA50-60-00 | 60 | 0.25 | 100 |
| BGLA50-60-01 | 60 | 0.30 | 100 |
| BGLA50-60-02 | 60 | 0.35 | 100 |
| BGLA50-60-03 | 60 | 0.40 | 100 |
| BGLA50-60-04 | 60 | 0.45 | 100 |
| BGLA50-60-05 | 60 | 0.50 | 100 |
| BGLA50-60-06 | 60 | 0.55 | 100 |
| BGLA50-60-07 | 60 | 0.60 | 100 |
| BGLA50-60-08 | 60 | 0.65 | 100 |
| BGLA50-60-09 | 60 | 0.70 | 100 |
| BGLA50-60-10 | 60 | 0.75 | 100 |
| BGLA50-60-11 | 60 | 0.80 | 100 |
| BGLA50-60-12 | 60 | 0.85 | 100 |
| BGLA50-60-13 | 60 | 0.90 | 100 |
| BGLA50-60-14 | 60 | 0.95 | 100 |
| BGLA50-60-15 | 60 | 1.00 | 100 |
| BGLA50-60-16 | 60 | 1.05 | 100 |
| BGLA50-60-17 | 60 | 1.10 | 100 |
| BGLA50-60-18 | 60 | 1.15 | 100 |
| BGLA50-60-19 | 60 | 1.20 | 100 |
| BGLA50-60-20 | 60 | 1.25 | 100 |
| BGLA50-60-21 | 60 | 1.30 | 100 |
| BGLA50-60-22 | 60 | 1.35 | 100 |

BEADING TOOLS / PERLOIRS KORNEISEN / PERLEROS



BGLA51

Set of 12 spherical beading tools with handle on a wood stand
Set de 12 perloirs sphériques avec manche sur un socle en bois
Satz zu 12 sphärischen Korneisen mit Griff auf einem Holzsockel
Juego de 12 perleros esféricos con mango en soporte de madera

Beading numbers / Numéros des perloirs
Korneise Nummern / Numeros perleros



BGLA51-60 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16 1

BGLA52

Refill set of 12 spherical beading tools
Recharge de 12 perloirs sphériques
Nachfüllpack von 12 sphärischen Korneisen eingestellt
Recarga juego de 12 perleros esféricos

Beading numbers / Numéros des perloirs
Korneise Nummern / Numeros perleros



BGLA52-60 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16 1

BGLA55

Set of 23 spherical beading tools with handle on a wood stand
Set de 23 perloirs sphériques avec manche sur un socle en bois
Satz zu 23 sphärischen Korneisen mit Griff auf einem Holzsockel
Juego de 23 perleros esféricos con mango en soporte de madera

Beading numbers / Numéros des perloirs
Korneise Nummern / Numeros perleros



BGLA55-60 0 → 22 1

BGLA56

Refill set of 23 spherical beading tools
Recharge de 23 perloirs sphériques
Nachfüllpack von 23 sphärischen Korneisen eingestellt
Recarga juego de 23 perleros esféricos

Beading numbers / Numéros des perloirs
Korneise Nummern / Numeros perleros



BGLA56-60 0 → 22 1




SAW BLADES / SCIES POUR BIJOUTIERS SÄGEBLÄTTER FÜR GOLDSCHMIEDE / SIERRAS PARA JOYEROS



SBM

Jewellers' saw blades / Scies pour bijoutiers
Sägeblätter für Goldschmiede / Sierras para joyeros

| | A x B = mm |  |
|---------|---------------|---|
| SBM-8/0 | 0.3 x 0.16 | 1440 |
| SBM-7/0 | 0.3 x 0.17 | 1440 |
| SBM-6/0 | 0.4 x 0.18 | 1440 |
| SBM-5/0 | 0.4 x 0.2 | 1440 |
| SBM-4/0 | 0.4 x 0.22 | 1440 |
| SBM-3/0 | 0.5 x 0.24 | 1440 |
| SBM-2/0 | 0.5 x 0.26 | 1440 |
| SBM-0 | 0.6 x 0.28 | 1440 |
| SBM-1 | 0.6 x 0.3 | 1440 |
| SBM-2 | 0.7 x 0.34 | 1440 |
| SBM-3 | 0.8 x 0.36 | 1440 |
| SBM-4 | 0.8 x 0.38 | 1440 |
| SBM-5 | 0.9 x 0.4 | 1440 |
| SBM-6 | 1.0 x 0.44 | 1440 |
| SBM-8 | 1.2 x 0.52 | 1440 |



FRAMES FOR SAW BLADES / MONTURES POUR SCIES BIJOUTIERS SÄGEBOGEN FÜR SÄGEBLÄTTER / ARCOS PARA SIERRAS DE JOYEROS



ASB

Frame for saw blade
Monture scies bijoutiers
Sägebogen für Sägeblätter
Arco para sierras de joyeros

| | | L = mm |  |
|--------|--|-----------|---|
| ASB310 | Fixed / Fixe / Fix-Modell / Fixjo | 75 | 1 |
| ASB410 | Adjustable / Ajustable / Verstellbar / Ajustable | 75 | 1 |
| ASB510 | Adjustable / Ajustable / Verstellbar / Ajustable | 105 | 1 |



JEWELLER'S SNIP / CISAILLE POUR BIJOUTIER GOLDSCHMIEDESCHERE / CIZALLA PARA JOYEROS



CB3000

Jewellers' snip / Cisaille pour bijoutiers
Goldschmiedeschere / Cizalla para joyero

CB3000-200-M1



1



Cut / Coupe
Schneiden / Cortes

Material / Matériel / Material / Material




| | | |
|---|--------|--------|
| Zinc / Zinc / Zink / Cnc (<80 HV) | - | 1.3 mm |
| Brass / Laiton / Messing / Latón (120 HV, 40 kg/mm²) | 2.0 mm | 1.0 mm |
| Steel / Acier / Stahl / Acero (35 HV, 112 kg/mm², 35 HRC) | 0.8 mm | 0.5 mm |





CROCODILE


Plastic file handle
Manche plastique
Kunststoffgriff
Mango de plástico

| | L = mm |  |
|------------|-----------|---|
| AL110-BLEU | 94 | 12 |
| AL210-BLEU | 94 | 12 |
| AL310-BLEU | 94 | 12 |
| AL410-BLEU | 105 | 12 |
| AL450-BLEU | 105 | 12 |
| AL510-BLEU | 105 | 12 |
| AL550-BLEU | 105 | 12 |
| AL610-BLEU | 121 | 12 |
| AL710-BLEU | 130 | 12 |



CASTOR


Wood handle
Manche bois
Holzgriff
Mango de madera

| | L = mm |  |
|-------|-----------|---|
| AL200 | 80 | 12 |
| AL400 | 100 | 12 |
| AL500 | 115 | 12 |
| AL600 | 125 | 12 |



AGILA_Q


Plastic handle
Manche plastique
Kunststoffgriff
Mango de plástico

| | L = mm |  |
|----------|-----------|---|
| ALQ301-2 | 112 | 12 |
| ALQ301-3 | 125 | 12 |
| ALQ302-2 | 112 | 12 |
| ALQ302-3 | 125 | 12 |



CONDOR

Precision needle file handle
Manche de précision pour limes aiguilles
Nadelfeilenriff mit Spannzange
Mango de precisión para limas agujas

| | L = mm |  |
|-------|-----------|---|
| AL160 | 95 | 12 |
| AL260 | 95 | 12 |



COLIBRI

Precision needle files handle
Manche de précision pour limes aiguilles
Schraubkopfhelf für Nadelfeilen
Mango de precisión para limas agujas

| | L = mm |  |
|-------|-----------|---|
| AL170 | 86 | 12 |





AL400_

Handle for engravers' gravers
Manche pour échoppes
Gravierstichelgriff
Mango para buriles

| | |
|----------|----|
| AL4001 | 12 |
| AL4002 | 12 |
| AL4002-P | 12 |
| AL4006 | 12 |



AL410_

Adjustable handle for gravers
Manche réglable pour échoppes
Verstellbarer Gravierstichelgriff
Mango ajustable para buriles

| | L = mm | |
|--------|-----------|----|
| AL4101 | 67 | 12 |
| AL4102 | 92 | 12 |



AL5001-P

Handle for beading tools
Manche pour perloirs
Korneisengriff
Mango para perleros

| | |
|----------|----|
| AL5001-P | 12 |
|----------|----|



ALF

Handle for ceramic fiber files
Manche pour limes fibres céramique
Griff für Keramikfasern Feilen
Mango para limas de fibras cerámicas

| | |
|--------|---|
| ALF105 | 1 |
| ALF109 | 1 |
| ALF202 | 1 |
| ALF203 | 1 |
| ALF301 | 1 |
| ALF302 | 1 |
| ALF304 | 1 |



AL5990

Brush for files
Brosse à lime
Feilenbürste
Carda para limas

| | |
|--------|---|
| AL5990 | 1 |
|--------|---|



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