

Catalogue 0318
Katalog
Catálogo


SINCE 1856

INDEX

Introduction

Tomé Fèteira - From 1856 to the Present 5
Technical Information 6

Work Shop Files

Machinist's Files 10

Sharpening Files

Tapersaw Files 16
Saw Files 18
Chain Saw Files 23
Farmer Tool Files 24

Special Files 27

Soft Metal Files, Warding, Key Files, etc.

Precision Files

Needle Files 34
Diamond Coated Files 39

Ski Files

Ski Files and Blades 42

Milled Files

Milled Files and Blades 46

Rasps

Wood Rasps 52
Hand Cut Rasps 56
Horse Rasps 61

Saws

SmartCut Saw Blades 64

Handles and Packaging 69

Handles, Sleeves, Pouches and Boxes

Machinery and Equipments

Forging Machines 72
Other Machinery and Equipments 74

Picture of our Production - 1920



Excellency Award 2017

Aerial view of the Company - 1950

The **Tomé Fèteira** File Company was founded in 1856 by Joaquim Tomé Fèteira, and has grown to be a modern and diversified manufacturing plant with a worldwide established name in producing high quality professional products.

For more than one and a half centuries our constant technical research and development, and our highly skilled and trained workers have lead this company to be one of the most important manufacturers in Europe and amongst the few top companies in the entire world.

The experience gained by Tomé Fèteira in the manufacturing of files and rasps is also being used to develop new metallurgical products and machinery with the same high performance quality : Our Smart Cut specially designed saw blades and our Silver Bullet and Equistar horse rasps are making worldwide success. Our Forging Machines for Files and Chisels continue unbeatable concerning technology, efficiency and reliability. We are also on the top of modern technology with our Induction Hardening Systems, our File Sharpening Systems, our Dry Sandblasting Equipments with run through belts, and many other innovative products.

As a reward for our outstanding performance, we are proud to inform that we have been awarded by Iapmei – Portugal's Governmental Production and Export Institute, **PME Excellency 2017.**

In more than 70 countries where our products are sold, Tomé Fèteira has a network of representatives, agents and distributors giving efficient backup service to buyers and users.

The constant search for improved quality and the rigorous inspection of each Tomé Fèteira product ensure that they are of a standard unmatched anywhere in the world market.
These are the principles which make the well known Tomé Fèteira brand demanded by users all over the world.

Michael Braun
President

Elisabeth Braun
Vice President



TECHNICAL INFORMATION

All our files and rasps are made of high quality chromium alloy steel and hardened individually up to 64 HRC in order to assure an excellent grip even on very hard materials.

The hardness and the special depth and angle of the teeth cuts on our files give them much more resistance to wear even under intensive professional use.

We produce hundreds of different types of files and rasps, varying in shape, size, cross-section and cut. Our file measurements and the density of cuts are according to standard specifications.

The most common cuts for normal files and rasps are Bastard- Cut 1, Second Cut – Cut 2 and Smooth- Cut 3. Although, when precision files are concerned Cut 0 – Very Coarse and Cut 4 – Dead Smooth, are also much requested. Also, Engineering files present a double cross-cut while Sharpening files have only a single cut.

When you order, you must choose the file shape (flat, round, square. Etc.), the size (150mm, 200mm, etc.) and the type of teeth cut (bastard, smooth, etc). You will find more detailed ordering information at each catalogue page.

TECHNISCHE INFORMATION

Alle unsere Feilen und Raspeln sind aus hochwertigem Chromlegierungssthahl gefertigt und einzeln bis zu 66 HRC gehärtet, um auch bei sehr harten Werkstoffen eine hervorragende Griffigkeit zu gewährleisten.

Die Härte, die besondere Tiefe und der Winkel der Zähne geben unseren Feilen eine viel hoehere Standzeit, auch unter intensivem professionellem Gebrauch.

Wir produzieren Hunderte von verschiedenen Arten von Feilen und Raspeln, variieren in Form, Größe, Querschnitt und Hieb. Unsere Abmessungen und die Hiebanzahl entsprechen den Standardvorgaben.

Die häufigsten Hiebarten für normale Feilen und Raspeln sind Bastard-Cut 1, Second Cut - Cut 2 und Smooth-Cut 3. Obwohl, wenn Präzisionsfeilen betroffen sind, werden auch Cut 0 - Very Coarse und Cut 4 - Dead Smooth, viel verlangt. Werkstattfeilen haben einen Doppelhieb, auch Kreuzhieb genannt, während Saegefeilen nur mit einem Singlecut, Einzelhieb produziert werden.

Bei Bestellungen bitten wir Sie folgende Details bekanntzugeben, Feilenart (flach, rund, quadratisch usw.), die Größe (150mm, 200mm, etc.) und den Hieb. (Bastard, 2nd cut, Smooth, etc.) Weitere detaillierte Bestellinformationen finden Sie auf jeder Katalogseite.

INFORMAÇÃO TÉCNICA

Todas as nossas limas são feitas em aço ao crómio de alta qualidade e temperadas individualmente até a dureza de 64 HRC de forma a assegurar um corte de elevado rendimento mesmo em materiais muito duros.

A dureza e a profundidade do corte dos dentes conferem às nossas limas uma resistência excecional ao desgaste, mesmo sob uso intenso e profissional.

Produzimos centenas de limas de diferentes perfis, tamanhos e cortes. As dimensões das nossas limas e a densidade dos cortes/ dentes estão de acordo com as normas standard.

Os tipos de picado mais comuns são Bastardo- Cut 1 , Meio-Murço – Cut 2 e Murço- Cut 3. No entanto, no que diz respeito a limas de precisão, o picado Cut 0 – Muito Bastardo e picado Cut 4 – Muito Murço, são também muito procurados. É ainda de notar que as limas para desbaste apresentam um picado duplo/cruzado enquanto que as limas para afiar serras e ferramentas apresentam um picado simples.

Para encomendar, deve ser escolhido o formato da lima (redonda, paralela..) o tamanho (150mm, 200mmm...) e o tipo de picado (murço, bastardo...). Encontrará informação mais detalhada em cada pagina do catalogo.



MOST COMMON FILE CUTS

Machinist's Files / Cross Cut

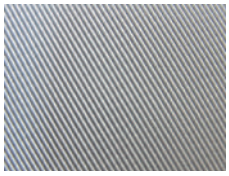
Cut 1 – Bastard

Cut 2 – Second

Cut 3 – Smooth

Saw Files Single Cut

Cut 2 – Second



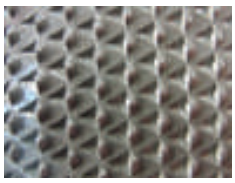
Chip Breaker

Chip Breaker Cut



Wood Rasps / Rasp Cut

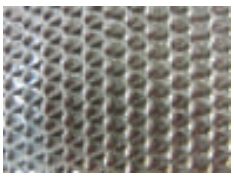
Cut 1 – Bastard



Cut 2 – Second

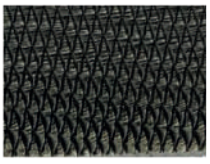


Cut 3 – Smooth



Needle files / Crosscut

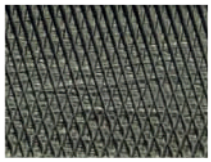
Cut 00 – Extra Coarse



Cut 2 - Medium



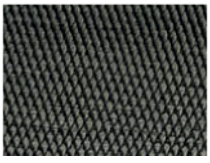
Cut 0 – Very Coarse



Cut 3 - Smooth



Cut 1 – Coarse



Cut 4 – Dead Smooth



Milled Files / Radial Cut

Coarse
Cut 1 9TPI



Medium
Cut 3 13TPI

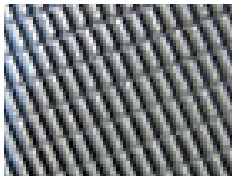


Smooth
Cut 4 18TPI



Milled Files / Straight Cut

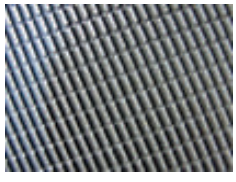
Cut 1

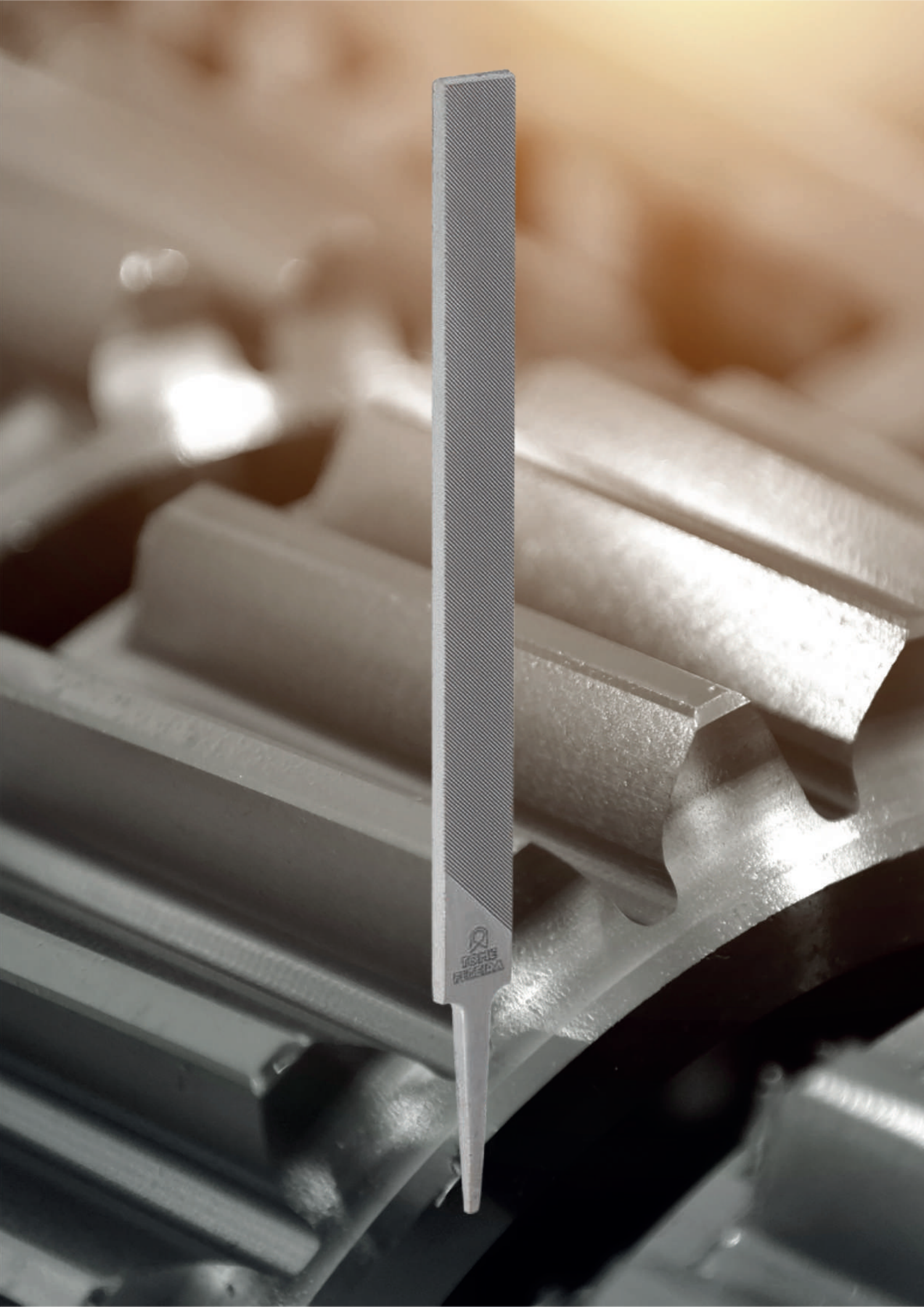


Cut 2



Cut 3




ISPIS
FRESA

MACHINIST´S FILES
WERKSTATTFEILEN
LIMAS PARA SERRALHARIA

001 - *Hand - Flachstumpf - Paralela*





Hand file with double cut on both sides and only one edge cut. Used for filing flat surfaces & deburing

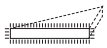
Flachfeile mit Kreuzhieb und einem Kantenhieb. Zum Feilen von planen Flächen und Ansätzen.

Lima Paralela com picado duplo nas duas faces e um canto picado. Usado para limar superficies planas

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,0 x 2,5	14,0 x 3,5	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	33,5 x 7,5	37,5 x 8,5
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	0,30	0,85	0,85	1,75	3,20	5,10	7,70	11,70
Ordering Codes								
Cut 1 - Bastard	0011100	0011125	0011150	0011200	0011250	0011300	0011350	0011400
Cut 2 - Second	0012100	0012125	0012150	0012200	0012250	0012300	0012350	0012400
Cut 3 - Smooth	0013100	0013125	0013150	0013200	0013250	0013300	0013350	0013400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970983	0970983	0970985	0970988	0970989	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	0967160	0967160

005 - *Flat - Flachspitz - Chata*





Rectangular tapered file with double cut on both sides and both edges cut. Used for filing flat surfaces & deburing

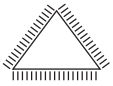
Wie flachstumpfe Feile. Günstiger an schwer zugänglichen Stellen.

Lima Retangular Chata com picado duplo nas duas faces e dois cantos picados. Usado para limar superficies planas

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,0 x 2,5	14,0 x 3,5	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	33,5 x 7,5	37,5 x 8,5
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	0,28	0,49	0,81	1,66	3,05	4,85	7,20	11,10
Ordering Codes								
Cut 1 - Bastard	0051100	0051125	0051150	0051200	0051250	0051300	0051350	0051400
Cut 2 - Second	0052100	0052125	0052150	0052200	0052250	0052300	0052350	0052400
Cut 3 - Smooth	0053100	0053125	0053150	0053200	0053250	0053300	0053350	0053400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970983	0970983	0970985	0970988	0970989	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967140	0967140	0967140	0967160	0967160

040 - *Threesquare - Dreikant - Triangular*





Triangular tapered file with double cut on all sides. Used to file angles, corners and grooves.

Dreikantfeile zum Feilen vom Winkeln, Ecken und Nuten.

Lima de formato triangular com picado duplo em todas as faces. Para limar cantos, bordos e ranhuras.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	7,0	9,0	10,0	14,0	17,0	20,0	23,0	26,0
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	0,22	0,41	0,61	1,56	2,88	4,68	7,20	10,60
Ordering Codes								
Cut 1 - Bastard	0401100	0401125	0401150	0401200	0401250	0401300	0401350	0401400
Cut 2 - Second	0402100	0402125	0402150	0402200	0402250	0402300	0402350	0402400
Cut 3 - Smooth	0403100	0403125	0403150	0403200	0403250	0403300	0403350	0403400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970983	0970983	0970984	0970988	0970989	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	0967160	0967160

045 - *Square - Vierkant - Quadrada*





Square tapered file with double cut on all sides. Used for filing slots, grooves and square holes.

Vierkantfeile zum Feilen von Nuten, Schlitzen und eckigen Löchern.

Lima quadrada com picado duplo em todas as faces . Usado para limar ranhuras, fendas e orifícios quadrados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	3,8	4,8	5,6	7,5	9,5	11,5	14,5	17,5
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	14,00	0,25	0,42	0,94	1,74	3,00	5,76	10,20
Ordering Codes								
Cut 1 - Bastard	0451100	0451125	0451150	0451200	0451250	0451300	0451350	0451400
Cut 2 - Second	0452100	0452125	0452150	0452200	0452250	0452300	0452350	0452400
Cut 3 - Smooth	0453100	0453125	0453150	0453200	0453250	0453300	0453350	0453400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970983	0970983	0970984	0970988	0970988	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	0967160	0967160

050 - *Half Round - Halbrund - Meia Cana*





Halfround file, tapered, with double cut on both sides. Used for filing curved workpieces and big holes.
Halbrundfeile zum Feilen von konkaver Flächen und grober Löcher.
Lima meia cana com picado duplo nas duas faces. Usado para limar superficies côncavas e grandes orifícios.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	10,0 x 3,0	15,0 x 4,0	15,0 x 4,0	20,0 x 5,5	24,0 x 7,0	29,0 x 8,2	34,0 x 9,5	39,0 x11,0
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	0,22	0,38	0,60	1,50	2,90	5,30	7,70	10,40
Ordering Codes								
Cut 1 - Bastard	0501100	0501125	0501150	0501200	0501250	0501300	0501350	0501400
Cut 2 - Second	0502100	0502125	0502150	0502200	0502250	0502300	0502350	0502400
Cut 3 - Smooth	0503100	0503125	0503150	0503200	0503250	0503300	0503350	0503400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970983	0970983	0970984	0970988	0970989	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	0967160	0967160

060 - *Round - Rund - Redonda*





Round file, with double spiral cut. Used for filing holes and round notches.
Rundfeile zum Feilen von Löchern und runden Einschnitten.
Lima redonda com picado duplo em espiral. Usado para limar orifícios e zonas côncavas.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	4,0	5,0	5,5	7,5	9,5	11,5	14,5	17,5
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	6 files	6 files
Dz / Kg	0,12	0,18	0,33	0,78	1,44	2,64	4,80	8,60
Ordering Codes								
Cut 1 - Bastard	0601100	0601125	0601150	0601200	0601250	0601300	0601350	0601400
Cut 2 - Second	0602100	0602125	0602150	0602200	0602250	0602300	0602350	0602400
Cut 3 - Smooth	0603100	0603125	0603150	0603200	0603250	0603300	0603350	0603400
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	0927350	-
Rubber Handle	0970981	0970981	0970983	0970984	0970984	0970988	0970989	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	0967160	0967160

070 - Knife - Messer - Faca





Knife shaped file with double cut on both sides. Narrow edge with single cut. Used to file sharp angles.
Messerfeilen kreuzhiebig für Werkstücke mit spitzen Winkeln.
Lima faca com picado duplo nas duas faces. Picado simples na borda fina. Para limar reentrâncias finas..

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,8 x 2,5	14,0 x 3,7	17,0 x 4,5	21,0 x 5,0	26,0 x 6,5	30,0 x 7,0	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	-	-
Dz / Kg	0,22	0,36	0,66	1,25	2,40	4,10	-	-
Ordering Codes								
Cut 1 - Bastard	0701100	0701125	0701150	0701200	0701250	0701300	-	-
Cut 2 - Second	0702100	0702125	0702150	0702200	0702250	0702300	-	-
Cut 3 - Smooth	0703100	0703125	0703150	0703200	0703250	0703300	-	-
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927250	0927300	-	-
Rubber Handle	0970981	0970983	0970983	0970984	0970988	0970988	-	-
Wooden Handle	0967080	0967080	0967100	0967120	0967140	0967140	-	-

297/299 - Universal - Universalfeile - Universal



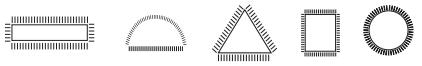


Universal propose file with single cut and chipbreaker on both sides. 1 edge cut. Used for soft metal.
Universalfeile zum Feilen von Weichmetallen.
Lima multiuso com picado simples e ChipBreaker nas 2 faces. 1 canto picado. Usado para limar metais macios.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	-	12 files	12 files	12 files	-	-
Dz / Kg	-	-	-	1,75	3,20	5,10	-	-
Ordering Codes								
297 Hand	-	-	-	2970200	2970250	2970300	-	-
299 Flat	-	-	-	2990200	2990250	2990300	-	-
Matching Acessories								
Card Sleeve	-	-	-	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	-	0927200	0927250	0927300	-	-
Rubber Handle	-	-	-	0970984	0970988	0970989	-	-
Wooden Handle	-	-	-	0967120	0967140	0967140	-	-

032-P / 032-CP - File Set with 5 shapes - Feilensätze 5 Teilig - Jogo Limas c/ 5 formatos

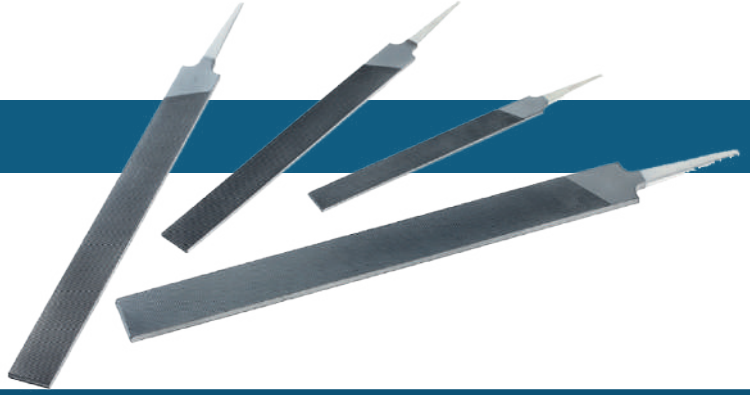
Supplied in Plastic Pouch. Files with handles. Available in Chrominox finishing.
Mit Griff und Plastiktasche, auch in Verchrount verfügbar.
Fornecido em bolsa e com cabo. Disponível em Chrominox.





Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	-	-	-	-
Normal Packaging								
Plastic Pouch	-	-	5 files	5 files	5 files	5 files	-	-
CardBoard Box			-	5 files	5 files	-		
Dz / Kg	-	-	5,40	9,60	16,20	25,20	-	-
Ordering Codes								
Cut 1 - P. Pouch	-	-	0321150-P	0321200-P	0321250-P	0321300-P	-	-
Cut 2 - P. Pouch	-	-	0322150-P	0322200-P	0322250-P	0322300-P	-	-
Cut 3 - P. Pouch	-	-	0323150-P	0323200-P	0323250-P	0323300-P	-	-
Cut 1 - Chrominox	-	-	0321150-CP	0321200-CP	0321250-CP	0321300-CP	-	-
Cut 2 - Chrominox	-	-	0322150-CP	0322200-CP	0322250-CP	0322300-CP	-	-
Cut 3 - Chrominox	-	-	0323150-CP	0323200-CP	0323250-CP	0323300-CP	-	-
Cut 1 - Card Box	-	-	-	J5B08	J5B10	-	-	-
Cut 2 - Card Box	-	-	-	J5MM08	J5MM10	-	-	-
Cut 3 - Card Box	-	-	-	J5M08	J5M10	-	-	-

CX CHROMINOX® *Up to 72HRC*



Hardness by Hi Tech Coating
Härte Durch Hi Tech Beschichtung

Ordering code = File code + C (Chrominox)

Chrominox coating can be apllied on all of our files and rasps with the following advantages:

- Hardest possible coating for files
- No clogging, no rusting
- Multiple usage and performance
- Solves working problems on stainless steel, alloys of steel, nickel and copper.

Die Beschichtung von Chrominox kann auf allen unseren Feilen und Raspeln mit den folgenden Vorteilen aufgetragen werden:

- Härteste Beschichtung , die bei Feilen möglich ist
- Kein Verstopfen, kein Verrosten
- Mehrfache Gebrauchs- und Leistungsfähigkeit
- Löst Bearbeitungsprobleme an hartem und zähem Material wie Nirosta, Stahl-, Molybdän-, Nickel-,Kupfer-/ Wolframlegierungen und Kunststoffen aller Art!

SHARPENING FILES
SÄGEFEILEN
LIMAS PARA AFIAR

116 - Regular - Normal - Regular





Regular three square file, tapered towards the tip. Single cut on all sides. All edges cut.
Einhiebig mit behauenen Kanten zum Schärfen von Sägen.
Lima triangular tipo regular para afiar serras. Picado simples em todas as faces. Todos os cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250 mm	300 mm
Cross section	9,0	10,8	12,3	13,8	14,8	17,5	18,5	21,0
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	12 files	12 files
Dz / Kg	0,36	0,64	0,95	1,32	1,75	3,00	3,36	5,64
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-			
Cut 2 - Second	1162100	1162125	1162150	1162175	1162200	1162225	1162250	1162300
Cut 3 - Smooth	-	-	-	-	-			
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937200	0937250	0937250	0937300
Plastic Pouch	0927100	0927150	0927150	0927200	0927200	0927250	0927250	0927300
Rubber Handle	0970983	0970983	0970983	0970984	0970984	0970988	0970988	0970989
Wooden Handle	0967080	0967080	0967100	0967120	0967120	0967140	0967140	0967140

117 - Slim - Schlank - Fino





Slim three square file, tapered towards the tip. Single cut on all sides. All edges cut.
Einhiebig mit behauenen Kanten zum Schärfen von Sägen.
Lima triangular tipo fino para afiar serras. Picado simples em todas as faces. Todos os cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250 mm	300 mm
Cross section	5,0	7,0	9,0	9,8	12,3	13,0	13,5	18,0
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	12 files	12 files
Dz / Kg	0,11	0,27	0,53	0,70	1,20	1,71	1,85	4,20
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-			
Cut 2 - Second	1172100	1172125	1172150	1172175	1172200	1172225	1172250	1172300
Cut 3 - Smooth	-	-	-	-	-			
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937200	0937250	0937250	0937300
Plastic Pouch	0927100	0927150	0927150	0927200	0927200	0927250	0927250	0927300
Rubber Handle	0970981	0970983	0970983	0970984	0970984	0970988	0970988	0970988
Wooden Handle	0967080	0967080	0967100	0967120	0967120	0967140	0967140	0967140

118 - Extra Slim - Extraschlank - Extra Fino





Extra Slim three square file, tapered towards the tip. Single cut on all sides. All edges cut.
Einhiebig mit behauenen Kanten zum Schärfen von Sägen.
Lima triangular tipo extra fino para afiar serras. Picado simples em todas as faces. Todos os cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250 mm	300 mm
Cross section	4,5	6,0	7,0	9,0	9,8	11,5	12,04	14,0
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	12 files	12 files
Dz / Kg	0,09	0,20	0,32	0,61	0,81	1,34	1,62	2,58
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-		-	-
Cut 2 - Second	1182100	1182125	1182150	1182175	1182200	1182225	1182250	1182300
Cut 3 - Smooth	-	-	-	-	-		-	-
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937200	0937250	0937250	0937300
Plastic Pouch	0927100	0927150	0927150	0927200	0927200	0927250	0927250	0927300
Rubber Handle	0970981	0970981	0970983	0970984	0970984	0970988	0970988	0970988
Wooden Handle	0967080	0967080	0967100	0967120	0967120	0967140	0967140	0967140

119 - Double Extra Slim - DoppelextraSchlank - Extra Extra Fino





Double extra slim three square file, tapered towards the tip. Single cut on all sides. All edges cut.
Einhiebig mit behauenen Kanten zum Schärfen von Sägen.
Lima triangular tipo extra extra fino para serras. Picado simples em todas as faces. Todos os cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	250 mm	300 mm	350 mm
Cross section	4,0	5,0	6,0	7,0	8,0	-	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	-	-	-
Dz / Kg	0,08	0,14	0,24	0,38	0,57	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	1192100	1192125	1192150	1192175	1192200	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	0937200	-	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	0927200	-	-	-
Rubber Handle	0970981	0970981	0970983	0970984	0970984	-	-	-
Wooden Handle	0967080	0967080	0967100	0967120	0967120	-	-	-

100 / 101 / 102 - Millsaw - Mühlsäge - Paralelas para Serras





Hand file for sharpening saws with single cut on all sides and edges. Available with 1 or 2 round edges.
Zum Schärfen von Kreis - und Bandsägeblättern, scharfkantig, 1 runde Kante,
Lima paralela para serras com picado simples nas 2 faces e cantos. Disponivel com 1 ou 2 cantos redondos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	15,0 x 2,5	17,0 x 3,0	20,0 x 3,5	-	24,0x4,0	29,0 x 5,0
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	-	12 files	12 files
Dz / Kg	-	-	0,56	0,88	1,38	-	2,25	4,10
Ordering Codes								
Cut 1 - Bastard	-	-	1002150	1002175	1002200	-	1002250	1002300
Cut 2 - Second	-	-	1012150	1012175	1012200	-	1012250	1012300
Cut 3 - Smooth	-	-	1022150	1022175	1022200	-	1022250	1022300
Matching Acessories								
Card Sleeve	-	-	0937150	-	0937200	-	0937250	0937300
Plastic Pouch	-	-	0927150	-	0927200	-	0927250	0927300
Rubber Handle	-	-	0970983	-	0970988	-	0970988	0970989
Wooden Handle	-	-	0967100	-	0967120	-	0967140	0967140

110 / 111 / 112 - Millsaw Tapered - Brettsägefeile - Chatas para Serras





Flat file for sharpening saws with single cut on all sides and edges. Available with 1 or 2 round edges.
Zum Schärfen von Kreis - und Bandsägeblättern, scharfkantig, 1 runde Kante oder mit 2 runde Kanten.
Lima chata para serras com picado simples nas 2 faces e cantos. Disponivel com 1 ou 2 cantos redondos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	12,0 X 2,0	-	15,0 x 2,5	17,0 x 3,0	20,0 x 3,5	22,0 x 3,8	24,0 x 4,0	29,0 x 5,0
Normal Packaging								
CardBoard Box	12 files	-	12 files	12 files	12 files	12 files	12 files	12 files
Dz / Kg	0,24	-	0,56	0,88	1,38	1,86	2,25	4,10
Ordering Codes								
Cut 1 - Bastard	1102100	-	1102150	1102175	1102200	1102225	1102250	1102300
Cut 2 - Second	1111100	-	1112150	1112175	1112200	1112225	1112250	1112300
Cut 3 - Smooth	1122100	-	1122150	1122175	1122200	1122225	1122250	1122300
Matching Acessories								
Card Sleeve	0937100	-	0937150	-	0937200	-	0937250	0937300
Plastic Pouch	0927100	-	0927150	-	0927200	-	0927250	0927300
Rubber Handle	0970981	-	0970983	-	0970988	-	0970988	0970989
Wooden Handle	0967080	-	0967100	-	0967120	-	0967140	0967140

135 / 136 - Bandsaw - Bandsäge - Triangular para Serras de Fita



Tapered tiangular file for sharpening bandsaws. Single cut on all sides and edges. With round edges

Für Bandsägeblätter mit runden Kanten

Lima triangular para serras com picado simples nas faces e cantos. Cantos redondos.

Length & Cross Sections								
Length	100 mm	125mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	11,5	13,5	14,5	15,5	-	-	-
Normal Packaging								
CardBoard Box	-	12 files	12 files	12 files	12 files	-	-	-
Dz / Kg	-	0,84	1,32	1,56	2,04	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	1352125	1352150	1352175	1352200	-	-	-
Cut 2 - Second	-	1362125	1362150	1362175	1362200	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937200	-	-	-
Plastic Pouch	-	-	0927150	0927200	0927200	-	-	-
Rubber Handle	-	-	0970983	0970988	0970988	-	-	-
Wooden Handle	-	-	0967100	0967120	0967120	-		-

120 - Double Ender - Doppelender - Triangular Dupla



Tiangular file for sharpening saws, tapered at both ends. Single cut on all sides. No tang.

Dreikantfeile zum Schärfen von Sägen, beide Enden gezogen, einhiebig, ohne Angel.

Lima paralela para serras com picado simples nas 2 faces e cantos. Disponivel com 1 ou 2 cantos redondos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	5,0	6,0	7,1	8,7	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,30	0,40	0,62	0,81	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	1202150	1202175	1202200	1202225	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937200	0937250	-	-
Plastic Pouch	-	-	0927150	0927200	0927200	0927250	-	-
Rubber Handle	-	-	0970983	0970984	0970984	0970984	-	-
Wooden Handle	-	-	-	-	-	-	-	-

161 - Knife Sawfile - Feinsägefeile - Lima Faca



Knfe shaped file for sharpening saws. Single cut on both sides and on the narrow edge.

Feinsägefeile zum Schärfen von Feinsägen.

Lima faca para serras com picado simples nas duas faces e no canto mais fino.

Length & Cross Sections								
Length	100 mm	113 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	6,0 x 4,2	-	-	-	-	-	-
Normal Packaging								
CardBoard Box	-	12 files	-	-	-	-	-	-
Dz / Kg	-	0,23	-	-	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	1612113	-	-	-	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	0937100	-	-	-	-	-	-
Plastic Pouch	-	0927100	-	-	-	-	-	-
Rubber Handle	-	0970981	-	-	-	-	-	-
Wooden Handle	-	0967080	-	-	-	-	-	-

121 - Featheredge - Schwertsägefeilen - Lima Espada



File with Feather edge profile. All sides with single cut.

Schwertfeile zum Schärfen von Sägen einhiebig.

Lima espada para serras com picado simples nas 4 faces .

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	15,0	-	17,4	-	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	-	12 files	-	-	-
Dz / Kg	-	-	1,36	-	2,38	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	1212150	-	1212200	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	-	0937200	-	-	-
Plastic Pouch	-	-	0927150	-	0927200	-	-	-
Rubber Handle	-	-	0970983	-	0970984	-	-	-
Wooden Handle	-	-	0967100	-	0967120	-	-	-

150 - Cantsaw - Kreissägefeilen- Lima Cantsaw





Triangular file for sharpening bandsaws. Single cut on all sides and edges.
Für Kreissägeblätter und andere Sägen mit Zahnwinkel unter 60º. Alle drei Flächen einhiebig.
Lima triangular para serras com picado simples nas faces e cantos.

Length & Cross Sections							
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	300 mm
Cross section	-	-	-	-	17,4	-	-
Normal Packaging							
CardBoard Box	-	-	-	-	12 files	-	-
Dz / Kg	-	-	-	-	1,24	-	-
Ordering Codes							
Cut 1 - Bastard	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	-	1502200	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-
Matching Acessories							
Card Sleeve	-	-	-	-	0937200	-	-
Plastic Pouch	-	-	-	-	0927200	-	-
Rubber Handle	-	-	-	-	0970984	-	-
Wooden Handle	-	-	-	-	0967120	-	-

160 - Crosscut - Waldsägefeilen- Lima para Traçadores





File for crosscut saws. Knife shaped cross section with rounded back. Single cut.
Waldsägefeilen Messerförmige Sägefeilen mit rundem Rücken zum Ausfeilen der Spanräume. Einhiebig.
Lima para traladores. Perfil de faca com a costa arredondada. Picado simples.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	-	-	4,2	-	4,2	-
Normal Packaging								
CardBoard Box	-	-	-	-	12 files	-	12 files	-
Dz / Kg	-	-	-	-	0,23	-	0,23	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	-	1602200	-	1602250	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	0937200	-	0937250	-
Plastic Pouch	-	-	-	-	0927200	-	0927250	-
Rubber Handle	-	-	-	-	0970984	-	0970988	-
Wooden Handle	-	-	-	-	0967120	-	0967140	-

130 / 131 - Machine BandSaw File - Maschine Bandsägefeile - Triangular Paralella



Parallel File, single cut, wthout tang. Sharp edges. Blunt at both ends. For filing Machines.

Parallel, ohne Angel, mit spitzen Kanten, für maschinelle Arbeit.

Lima paralela com picado simples e sem espigão. Cantos vivos.Para trabalhar com maquinas de limar.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	215 mm	215 mm	300 mm
Cross section	-	-	-	-	-	10,0	15	-
Normal Packaging								
CardBoard Box	-	-	-	-	-	12 files	12 files	-
Dz / Kg	-	-	-	-	-	0,89	2,20	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	1302215	-
Cut 2 - Second	-	-	-	-	-	1312215	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	0937250	0937250	-
Plastic Pouch	-	-	-	-	-	0927250	0927250	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-



171 / 179 - Round Chain saw Files - Kettensägefeile - Redondo para Motoserra



File with double cut. For sharpening teeth of chain saws.

Kreuzhiebig. Zum Schärfen von Kettensägen.

Lima redonda para afiar correntes de motoserras. Picado duplo.

Code	171	172	173	175	176	174	177	179
Length	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm
Cross section	3,5	4,0	4,5	4,8	5,0	5,2	5,5	6,3
	9/64	5/32	11/64	3/16	12,5/64	13,64	7/32	1/4
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	12 files	12 files	12 files	12 files
Dz / Kg	0,20	0,23	0,30	0,32	0,35	0,39	0,44	0,60
Ordering Codes								
CardBoard Box	1713200	1723200	1733200	1753200	1763200	1743200	1773200	1793200
Card Sleeve 1 file	1713200-T	1723200-T	1733200-T	1753200-T	1763200-T	1743200-T	1773200-T	1793200-T
Card Sleeve 2 Files	1713200-2	1723200-2	1733200-2	1753200-2	1763200-2	1743200-2	1773200-2	1793200-2
Card Sleeve 3 Files	1713200-3	1723200-3	1733200-3	1753200-3	1763200-3	1743200-3	1773200-3	1793200-3
Plastic Pouch 3 Files	-	-	-	-	-	-	1773200-PT	-
Set : 2 R +1F + Handle	1713200-S	1723200-S	1733200-S	1753200-S	1763200-S	1743200-S	1773200-S	1793200-S
Matching Acessories								
Rubber Handle	0970981	0970981	0970981	0970981	0970981	0970981	0970981	0970981
Special Handle	0987120	0987120	0987120	0987120	0987120	0987120	0987120	0987120

193 - Flat Chain Saw File - Flache Kettensägefeile - Chata para Motoserras



Parallel file with single cut on both sides. Round edges with no cut.

Feile einhiebig mit runden Kanten ohne Hieb zum Schärfen von Kettensägen.

Lima Paralela com picado simples nas duas faces e com cantos arredondados sem picado.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	15,0 x 3,0	-	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	-	-	-	-	-
Dz / Kg	-	-	0,80	-	-	-	-	-
Ordering Codes								
Cut 2 - Second	-	-	1932150	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	-	-	-	-	-
Plastic Pouch	-	-	0927150	-	-	-	-	-
Rubber Handle	-	-	0970983	-	-	-	-	-
Wooden Handle	-	-	0967100	-	-	-	-	-

107 - Farmer's Own - Farmerfeile - Lima para Fazendeiros





Single cut on both sides, no edge cut and steel handle. For sharpening reaper knives, machetes, etc.
Mit einhiebigen Flachseiten und unbehauenen Schmalseiten sowie ausgestanztem Griff.
Lima para afiar ferramentas agricolas, catanas, foices etc. Picado simples nas duas faces. Cantos sem picado.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	-	-	25,0 x 4,5	-	25,0 x 4,5	-
Normal Packaging								
CardBoard Box	-	-	-	-	12 files	-	12 files	-
Dz / Kg	-	-	-	-	2,40	-	3,00	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	-	1072200	-	1072250	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	0937250	-	0937300	-
Plastic Pouch	-	-	-	-	0927250	-	0927300	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-

108 - Axe File - Axtfeilen - Lima para Machados

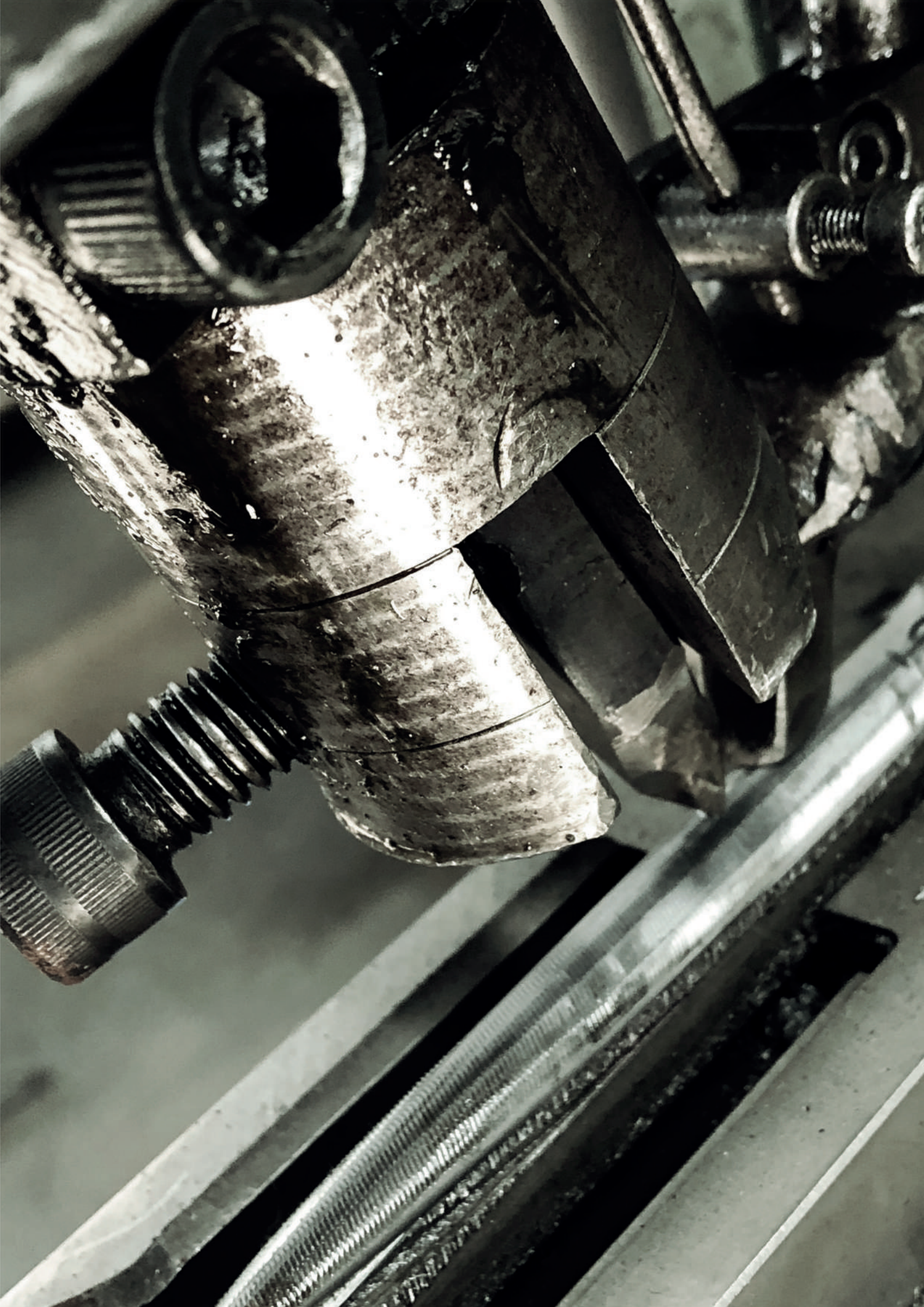




Single cut on one side, double cut on the other side. 1 edge cut. For axes and other tools.
Eine Flachseite Kreuzhieb, eine Seite einhiebig, 1 Kantenhieb. Zum Schärfen von Äxten, Macheten, etc.
Lima com picado simples numa face e picado duplo na outra face. 1 Canto picado. Para afiar Machados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	175 mm	200 mm	225 mm	250mm	300 mm
Cross section	-	-	-	-	25,0 x 4,5	-	25,0 x 4,5	-
Normal Packaging								
CardBoard Box	-	-	-	-	12 files	-	12 files	-
Dz / Kg	-	-	-	-	2,40	-	3,00	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	-	1082200	-	1082250	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	0937250	-	0937300	-
Plastic Pouch	-	-	-	-	0927250	-	0927300	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-

SPECIAL FILES
SONDERFEILEN
LIMAS ESPECIAIS



015 - Lead Float Hand - Zinnfeilen Flach - Paralela para Metais Macios



Special File cut on both sides. One edge cut. For filing soft metals.

Für Weich und Leichtmetalle.

Lima paralela para desbastar metais macios. Picado especial nas 2 faces e um canto picado.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,85	1,75	3,20	5,10	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0150150	0150200	0150250	0150300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

019 - Aluminium Flat - Aluminium Flachspitz - Chata para Metais Macios



Special File cut on both sides. Both edges cut. For filing soft metals.

Für Aluminium und andere Leichtmetalle.

Lima chata para desbastar metais macios. Picado especial nas 2 faces e 2 cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,81	1,66	3,05	4,85	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0190150	0190200	0190250	0190300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

016 - Lead Float Half Round - Zinnfeilen Halbrund - Meia Cana p/ Metais Macios



Half round file with Special File cut. For filing soft metals.

Für Weich und Leichtmetalle.

Lima meia cana para desbastar metais macios. Picado especial.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 4,0	20,0 x 5,5	24,0 x 7,0	29,0 x 8,2	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,60	1,50	2,90	5,30	-	-
Ordering Codes								
Cut 0 - Coarse	-	-	0160150	0160200	0160250	0160300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

010 - Hand Finishing - Dreher - Paralela para Torno



File for finishing and smoothening surfaces. Particulary suitable for Lathe work

Für Putz und Entgratarbeiten an der Drehbank

Lima paralela para acabamentos de trabalhos de torno.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	24,0 x 6,0	29,0 x 6,5	33,5 x 7,5	37,5 x 8,5
Normal Packaging								
CardBoard Box	-	-	-	-	12 files	12 files	6 files	6 files
Dz / Kg	-	-	-	-	3,20	5,20	7,90	12,00
Ordering Codes								
Cut 2 - Second	-	-	-	-	0102250	0102300	0102350	0102400
Cut 3- Smooth	-	-	-	-	0103250	0103300	0103350	0103400
Cut 4- DeadSmoth	-	-	-	-	0104250	0104300	0104350	0104400
Matching Acessories								
Card Sleeve	-	-	-	-	0937250	0937300	0937350	-
Plastic Pouch	-	-	-	-	0927250	0927300	0927350	-
Rubber Handle	-	-	-	-	0970988	0970989	0970989	-
Wooden Handle	-	-	-	-	0967140	0967160	0967160	-

020 - Warding - Raumfeile - Lanceteiras



Thinner than normal flat files to reach difficult zones. Both sides single cut. Both edges cut.
Dünner als eine Flachfeile, gut für schwer zugängliche Stellen, einhiebig.
Lima chata mais fina para zonas de difícil acesso. Picado simples em ambas as faces. Dois cantos picados.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,0 x 1,4	14,0 x 1,7	16,0 x 2,0	20,0 x 2,5	-	-	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,14	0,23	0,37	0,79	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	0201100	0201125	0201150	0201200	-	-	-	-
Cut 2 - Second	0202100	0202125	0202150	0202200	-	-	-	-
Cut 3 - Smooth	0203100	0203125	0203150	0203200	-	-	-	-
Matching Acessories								
Card Sleeve	0937100	0937150	0937150	0937200	-	-	-	-
Plastic Pouch	0927100	0927150	0927150	0927200	-	-	-	-
Rubber Handle	0970981	0970983	0970983	0970984	-	-	-	-
Wooden Handle	0967080	0967100	0967120	0967120	-	-	-	-

130 /131 - Olive Leaf - OliveFeile - Folha de Oliveira

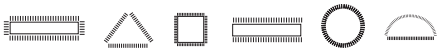


Much thinner than normal flat files to reach difficult zones. Both sides single cut. Both edges cut.
Sehr dünne Flachfeile, einhiebig, gut für schwer zugängliche Stellen.
Lima chata muito fina para zonas de difícil acesso. Picado simples em ambas as faces. Dois cantos picados.

Length & Cross Sections								
Length	100 mm	100 mm	150 mm	175 mm	200 mm	250 mm	300 mm	400 mm
Cross section	16,0 x 1,0	16,0 x 1,5	-	-	-	-	-	-
Normal Packaging								
CardBoard Box	12 files	12 files	-	-	-	-	-	-
Dz / Kg	0,16	0,22	-	-	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	1302100	-	-	-	-	-	-	-
Cut 2 - Second	-	1312100	-	-	-	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	0937100	0937100	-	-	-	-	-	-
Plastic Pouch	0927100	0927100	-	-	-	-	-	-
Rubber Handle	0970983	0970983	-	-	-	-	-	-
Wooden Handle	0967080	0967080	-	-	-	-	-	-

022/030 - Key Files - Schlüsselfeilen - Limas para Chaveiros

Files for key makers. Supplied with handle.
Schüsselfeilen mit Griff.
Limas para chaveiro. Fornecido com cabo



Length & Cross Sections							
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm
Cross section	-	-	-	-	-	-	-
Normal Packaging							
CardBoard Box	6 files	-	-	-	-	-	-
Dz / Kg	0,07	-	-	-	-	-	-
Ordering Codes							
022 - Flat	0222100	-	-	-	-	-	-
023 - Threesquare	0232100	-	-	-	-	-	-
024 - Square	0242100	-	-	-	-	-	-
027 - Hand	0272100	-	-	-	-	-	-
028 - Round	0282100	-	-	-	-	-	-
029 - Half Round	0292100	-	-	-	-	-	-
030 - Set 6 Shapes	0302100	-	-	-	-	-	-
Matching Acessories							
Card Sleeve	-	-	-	-	-	-	-
Plastic Pouch	0967060	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-



035 / 036 - Contact Point - Kontaktfeilen - Lima para Platinados



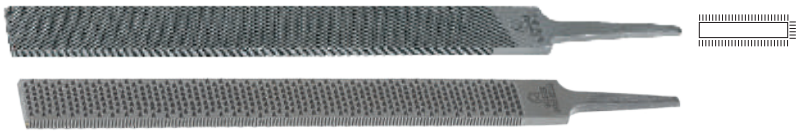
Contact Point File. File cut on both sides. No edge cut. Cut 3.

Kontaktfeilen. Kanten ohne Hieb. Cut 3.

Lima para platinados. Picado Murço nas duas faces. Cantos sem picado.

Length & Cross Sections							
Length	**100 mm**	**125 mm**	**150 mm**	**200 mm**	**250 mm**	**300 mm**	**350 mm**
Cross section	-	-	-	-	-	-	-
Normal Packaging							
CardBoard Box	-	-	**12 files**	-	-	-	-
Dz / Kg	-	-	**0,14**	-	-	-	-
Ordering Codes							
035	-	-	**0353150**	-	-	-	-
036 - Set 6 files in pouch	-	-	**0363150**	-	-	-	-
Matching Acessories							
Card Sleeve	-	-	-	-	-	-	-
Plastic Pouch	-	-	**0837100**	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-

286 - File Rasp - Feilraspel - Lima Grosa



One side rasp cut, one side file cut. 1 Edge cut.

Eine Seite Raspel, eine Seite Feile. Ein Kantenhieb.

Uma face picado de lima e uma face picado de grosa. 1 Canto picado.

Length & Cross Sections								
Length	**100 mm**	**125 mm**		**200 mm**	**250 mm**	**300 mm**	**350 mm**	**400 mm**
Cross section	-	-	-	**20,0 x 6,00**	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	**12 files**	-	-	-	-
Dz / Kg	-	-	-	**4,28**	-	-	-	-
Ordering Codes								
Cut 2	-	-	-	**2862200**	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	**0937200**	-	-	-	-
Plastic Pouch	-	-	-	**0927200**	-	-	-	-
Rubber Handle	-	-	-	**0970984**	-	-	-	-
Wooden Handle	-	-	-	**0967120**	-	-	-	-

658/661 - Thread Restoring - Gewindefeilen



Precision hand tool for restoring all thread - male and female.

Präzisions-Handwerkzeug zum Wiederherstellen aller Aussen- und Innengewinde.

Lima de precisão para reparar roscas interiores e exteriores.

Length & Cross Sections						
Length	150 mm	200 mm	230 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	-	-

Normal Packaging						
Plastic Box	-	-	1 file	-	-	-

Ordering Codes						
ISO(metrisch)	-	-	6607250	-	-	-
WW (withworth)	-	-	6617250	-	-	-
UNF - UNC - SAE	-	-	6597250		-	-
GAS (GBS)	-	-	6587250	-	-	-

Standard ISO(METRISCH)		Standard WW(withworth)			Sonderausführung UNF-UNC		
Steigung	Metrich Gewinde mm	Gânge por Zöll	WW Gewinde	B.S.F. Gewinde	Gânge per Zöll	UNF - Gew.(NF)	UNC - Gew (NC)
0,80	5	24	3/16	-	24	3/8,5/16	-
1,00	6 + 7	10	1/4	3/8	20	1/2,7/16	1/4
1,25	8 + 9	18	5/16	7/16	18	9/16,5/8	
1,50	10 + 11	16	3/8	1/2,9/16	16	3/4	3/8
1,75	12	14	7/16	5/8	14	1,7/8	
2,00	14 + 16	12	1/2,9/16	3/4	13	-	1/2
2,50	18,20,22	11	5/8	7/8	12		
3,00	24 + 27	10	3/4	1	11	-	5/8

Standard ISO(metrisch) Standard WW (withworth) 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1



PRECISION FILES
PRÄZISIONS FEILEN
LIMAS DE PRECISÃO

401 - Hand Sharp Edges - Flach Scharfkantig - Paralelas Cantos Vivos





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4010140	4010160	4010180	4010200	-	-	-	-
Cut 1 - Bastard	4011140	4011160	4011180	4011200	-	-	-	-
Cut 2 - Second	4012140	4012160	4012180	4012200	-	-	-	-
Cut 3 - Smooth	4013140	4013160	4013180	4013200	-	-	-	-
Cut 3 - Dead Smooth	4014140	4013160	4014180	4014200	-	-	-	-

402 - Hand Round Edges - Flach Rundkantig - Paralela Cantos Redondos





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4020140	4020160	4020180	4020200	-	-	-	-
Cut 1 - Bastard	4021140	4021160	4021180	4021200	-	-	-	-
Cut 2 - Second	4022140	4022160	4022180	4022200	-	-	-	-
Cut 3 - Smooth	4023140	4023160	4023180	4023200	-	-	-	-
Cut 3 - Dead Smooth	4024140	4024160	4024180	4024200	-	-	-	-

403 - Flat Sharp Edges - Flachspitz Scharfkantig - Chata Cantos Vivos





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4030140	4030160	4030180	4030200	-	-	-	-
Cut 1 - Bastard	4031140	4031160	4031180	4031200	-	-	-	-
Cut 2 - Second	4032140	4032160	4032180	4032200	-	-	-	-
Cut 3 - Smooth	4033140	4033160	4033180	4033200	-	-	-	-
Cut 3 - Dead Smooth	4034140	4034160	4034180	4034200	-	-	-	-

404 - Flat Round Edges - Flachspitz Rundkantig - Chata Cantos Redondos





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4040140	4040160	4040180	4040200	-	-	-	-
Cut 1 - Bastard	4041140	4041160	4041180	4041200	-	-	-	-
Cut 2 - Second	4042140	4042160	4042180	4042200	-	-	-	-
Cut 3 - Smooth	4043140	4043160	4043180	4043200	-	-	-	-
Cut 3 - Dead Smooth	4044140	4044160	4044180	4044200	-	-	-	-

405 - Half Round - Halbrund - Meia Cana





Length & Cross Sections								
Length	140mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4050140	4050160	4050180	4050200	-	-	-	-
Cut 1 - Bastard	4051140	4051160	4051180	4051200	-	-	-	
Cut 2 - Second	4052140	4052160	4052180	4052200	-	-	-	-
Cut 3 - Smooth	4053140	4053160	4053180	4053200	-	-	-	-
Cut 3 - Dead Smooth	4054140	4054160	4054180	4054200	-	-	-	-

406 - Three Square - Dreikant - Triangular





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4060140	4060160	4060180	4060200	-	-	-	-
Cut 1 - Bastard	4061140	4061160	4061180	4061200	-	-	-	-
Cut 2 - Second	4062140	4062160	4062180	4062200	-	-	-	-
Cut 3 - Smooth	4063140	4063160	4063180	4063200	-	-	-	-
Cut 3 - Dead Smooth	4064140	4064160	4064180	4064200	-	-	-	-

407 - Square - Vierkant - Quadrados





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4070140	4070160	4070180	4070200	-	-	-	-
Cut 1 - Bastard	4071140	4071160	4071180	4071200	-	-	-	-
Cut 2 - Second	4072140	4072160	4072180	4072200	-	-	-	-
Cut 3 - Smooth	4073140	4073160	4073180	4073200	-	-	-	-
Cut 3 - Dead Smooth	4074140	4074160	4074180	4074200	-	-	-	-

408 - Round - Rund - Redonda





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4080140	4080160	4080180	4080200	-	-	-	-
Cut 1 - Bastard	4081140	4081160	4081180	4081200	-	-	-	-
Cut 2 - Second	4082140	4082160	4082180	4082200	-	-	-	-
Cut 3 - Smooth	4083140	4083160	4082180	4083200	-	-	-	-
Cut 3 - Dead Smooth	4084140	4084160	4083180	4084200	-	-	-	-

409 - Knife - Messer - Faca





Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4090140	4090160	4090180	4090200	-	-	-	-
Cut 1 - Bastard	4091140	4091160	4091180	4091200	-	-	-	-
Cut 2 - Second	4092140	4092160	4092180	4092200	-	-	-	-
Cut 3 - Smooth	4093140	4093160	4093180	4093200	-	-	-	-
Cut 3 - Dead Smooth	4094140	4094160	4094180	4094200	-	-	-	-

410 - Crossing - Vogelzunge - Amendoada



Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4100140	4100160	4100180	4100200	-	-	-	-
Cut 1 - Bastard	4101140	4101160	4101180	4101200	-	-	-	-
Cut 2 - Second	4102140	4102160	4102180	4102200	-	-	-	-
Cut 3 - Smooth	4103140	4103160	4103180	4103200	-	-	-	-
Cut 3 - Dead Smooth	4104140	4104160	4104180	4104200	-	-	-	-

412 - Barrete - Barett - Barrete



Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4120140	4120160	4120180	4120200	-	-	-	-
Cut 1 - Bastard	4121140	4121160	4121180	4121200	-	-	-	-
Cut 2 - Second	4122140	4122160	4122180	4122200	-	-	-	-
Cut 3 - Smooth	4123140	4123160	4123180	4123200	-	-	-	-
Cut 3 - Dead Smooth	4124140	4124160	4124180	4124200	-	-	-	-

414 - Featheredge - Schwert - Espada



Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-
Dz / Kg	0,08	0,12	0,15	0,20	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4140140	4140160	4140180	4140200	-	-	-	-
Cut 1 - Bastard	4141140	4141160	4141180	4141200	-	-	-	-
Cut 2 - Second	4142140	4142160	4142180	4142200	-	-	-	-
Cut 3 - Smooth	4143140	4143160	4143180	4143200	-	-	-	-
Cut 3 - Dead Smooth	4144140	4144160	4144180	4144200	-	-	-	-

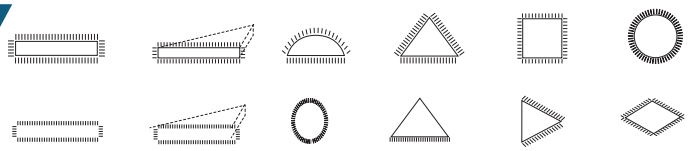
415 - File Set 6 Shapes - Satz mit 6 Formen - Jogo 6 tipos



Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	6 files	6 files	6 files	6 files	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4150140	4150160	4150180	4150200	-	-	-	-
Cut 1 - Bastard	4151140	4151160	4151180	4151200	-	-	-	-
Cut 2 - Second	4152140	4152160	4152180	4152200	-	-	-	-
Cut 3 - Smooth	4153140	4153160	4153180	4153200	-	-	-	-
Cut 3 - Dead Smooth	4154140	4154160	4154180	4154200	-	-	-	-

400 - File Set 12 shapes - Satz mit 12 Formen - Jogo 12 Tipos



Length & Cross Sections								
Length	140 mm	160 mm	180mm	200 mm	250 mm	300 mm	350 mm	400 mm
CardBoard Box	12 files	12 files	12 files	12 files	-	-	-	-

Ordering Codes								
Cut 0 - Coarse	4000140	4000160	4000180	4000200	-	-	-	-
Cut 1 - Bastard	4001140	4001160	4001180	4001200	-	-	-	-
Cut 2 - Second	4002140	4002160	4002180	4002200	-	-	-	-
Cut 3 - Smooth	4003140	4003160	4003180	4003200	-	-	-	-
Cut 3 - Dead Smooth	4004140	4004160	4004180	4004200	-	-	-	-



Needle Files



KÖRNUNG* °	GRIT*
D181	1 = grob ° coarse
D126	2 = universal ° medium
D91	3 = fein ° fine
D64	4 = extrafein ° extrafine

					L mm	100	140	160	200	grit/grão grain/grano
DNF	▬	hand	flach	plana	AmmB	4 x 1	5,5 x 1,5	6 x 1,5	8 x 2	1 • 2 • 3
DNH	⌓	halfround	halbrund	meia cana	AmmB	3,5 x 1,5	5 x 2	6 x 2,5	7 x 3	1 • 2 • 3
DND	△	3square	dreikant	triângular	mm	2,5	3,5	4,5	5	1 • 2 • 3
DNV	□	square	vierkant	quadrada	mm	2	3	3	4	1 • 2 • 3
DNR	○	round	rund	redonda		1,5-1	3,0-1	4,0-1	4,5-1	1 • 2 • 3
DNS		set	set	jogo						

SECONDS HOLE FILES

					L mm	100	140	160	200	grit/grão grain/grano
DZF	▬	hand	flach	plana	AmmB	4 x 1				2 • 3 • 4
DZH	⌓	halfround	halbrund	meia cana	AmmB	3,5 x 1,5				2 • 3 • 4
DZD	△	3square	dreikant	triângular	mm	2,5				2 • 3 • 4
DZV	□	square	vierkant	quadrada	mm	2				2 • 3 • 4
DZR	○	round	rund	redonda		1,5-1				2 • 3 • 4
DZS		set	set	jogo						

HANDY FILES

					L mm	100	140	160	200	grit/grão grain/grano
DHF	▬	hand	flach	plana	AmmB				10 X 3	1 • 2 • 3
DHH	⌓	halfround	halbrund	meia cana	AmmB				11 X 3,5	1 • 2 • 3
DHD	△	3square	dreikant	triângular	mm				10	1 • 2 • 3
DHV	□	square	vierkant	quadrada	mm				5	1 • 2 • 3
DHR	○	round	rund	redonda					7-1,5	1 • 2 • 3
DHS		set	set	jogo						

ESCAPMENT FILES

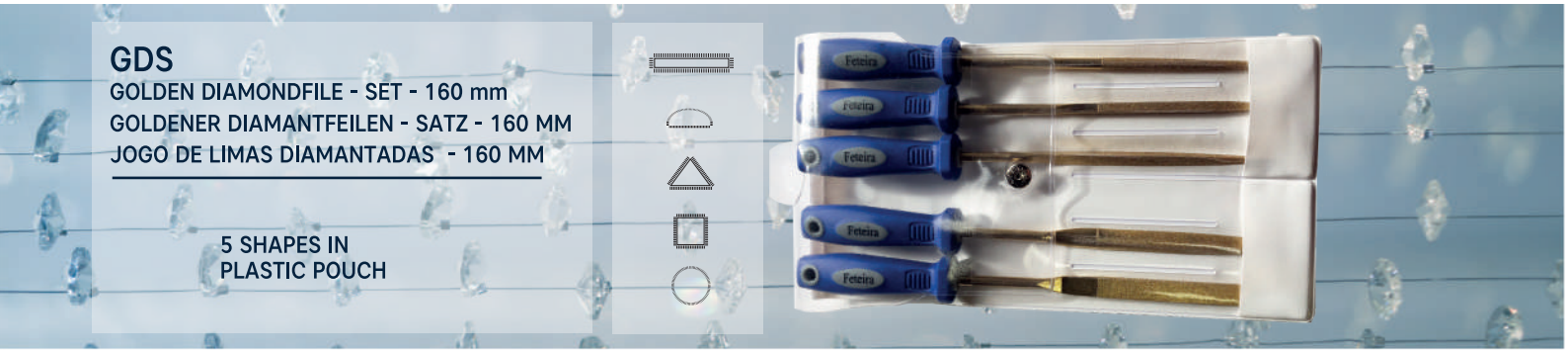
					L mm	100	140	160	200	grit/grão grain/grano
DEF	▬	hand	flach	plana	AmmB		4 X 1			2 • 3 • 4
DEH	⌓	halfround	halbrund	meia cana	AmmB		3,5 X 1,5			2 • 3 • 4
DED	△	3square	dreikant	triângular	mm		3			2 • 3 • 4
DEV	□	square	vierkant	quadrada	mm		2			2 • 3 • 4
DER	○	round	rund	redonda			1-0,8			2 • 3 • 4
DES		set	set	jogo						

RIFFLER FILES

					L mm	100	140	160	200	grit/grão grain/grano
DRF	▬	hand	flach	plana	AmmB			3 x 1,5	7,5 x 4	1 • 2 • 3
DRH	⌓	halfround	halbrund	meia cana	AmmB			4 x 2	9,5 x 4	1 • 2 • 3
DRD	△	3square	dreikant	triângular	mm			2	6,5	1 • 2 • 3
DRV	□	square	vierkant	quadrada	mm			2	6	1 • 2 • 3
DRR	○	round	rund	redonda				3-1	4	1 • 2 • 3
DRS		set	set	jogo						

FORM FILES

					L mm	100	140	160	200	grit/grão grain/grano
DPF	▬	hand	flach	plana	AmmB	10,5 x 1,5	12 x 3,5	13 x 4	20 x 4	1 • 2 • 3
DPH	⌓	halfround	halbrund	meia cana	AmmB	9 x 3,5	12 x 4,5	16 x 5,5	21 x 6	1 • 2 • 3
DPD	△	3square	dreikant	triângular	mm	5	8	9,5	14	1 • 2 • 3
DPV	□	square	vierkant	quadrada	mm	3,5	5,5	6	8	1 • 2 • 3
DPR	○	round	rund	redonda		3-1	5-2	6-2	8-2	1 • 2 • 3
DPS		set	set	jogo						





SKI FILES
SKIFEILEN
LIMAS PARA SKI

113 / 113 C - Ski File - Standard or Chrominox

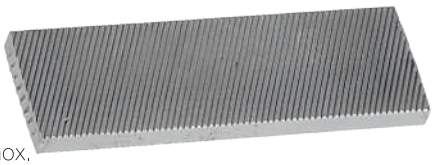


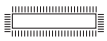


The racing service file. Single cut on both sides. Round edges with no cut. Available in Chrominox coating
Die Rennservice-Feilen. Einhiebig beidseitig, kein Kantenhieb, in Chromausführung möglich.
Para profissionais das pistas. 2 faces picado simples. 2 cantos redondos sem picado.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15 x 3,0	20 x 3,0	25 x 3,5	-	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	-	-	-
Dz / Kg	-	-	0,56	1,38	2,25	-	-	-
Ordering Codes								
113 - Cut 1	-	-	1131150	1131200	1131250	-	-	-
113 - Cut 2	-	-	1132150	1132200	1132250	-	-	-
113 C - Cut 1			1131150-C	1131200-C	1131250-C	-		
113 C - Cut 2	-	-	1132150-C	1132200-C	1132250-C	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	-	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	-	-	-
Rubber Handle	-	-	0970983	0970984	0970988	-	-	-
Wooden Handle	-	-	0967100	0967120	0967140	-	-	-

114 / 114 C - Replacement File Blade - Ersatzfeilen - Lâmina de Substituição





Single file cut on both sides. Round Edges no Cut. Available in Chrominox.
Ersatzfeilen, Einhiebig beidseitig, kein Kantenhieb, in Chromausführung möglich.
Picado de simples nas duas faces. Cantos redondos s/ picado. Disponivel em Chrominox.

Length & Cross Sections								
Length	70 mm	100 mm	120 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	25 x 4,0	25 x 4,0	25 x 4,0	-	-	-	-	-
Normal Packaging								
CardBoard Box		-		-	-	-	-	-
Dz / Kg		-		-	-	-	-	-
Ordering Codes								
114 - Cut 1	1141070	1141100	1141120	-	-	-	-	-
114 - Cut 2	1142070	1142100	1142120	-	-	-	-	-
114 C - Cut 1	1141070-C	1141100-C	1141120 - C					
114 C - Cut 2	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-

380 - Replacement Milled Blade - Ersatz Fräserblatt - Lâmina fresada





380 - Replacement Milled Blade - Ersatz Fräserblatt - Lamina fresada

Ersatz Fräserblatt

Lâmina Fresada de substituição

Length & Cross Sections								
Length	70 mm	100 mm	120 mm	150 mm	200 mm	300 mm	350 mm	400 mm
Cross section	25 x 4,0	30 x 4,0	30 x 4,0	-	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	-	-	-	-	-
Dz / Kg	-	-	-	-	-	-	-	-
Ordering Codes								
380 - 9 TPI	3801070	3801100	3801120		-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-

380 - Milled Blade Curved Teeth - Fräserblatt K.V.Flach - Lamina Dentes Curvos





Length & Cross Sections								
Length	150 mm	175 mm	250 mm	300 mm	350 mm	-	-	
Cross section	30,0 x 4,0	35,0 x 4,5	-	30 x 4,0	-	-	-	
Normal Packaging								
CardBoard Box	10 files	10 files	-	10 files	-	-	-	-
Dz / Kg	1,20	0,75	-	2,40	-	-	-	-
Ordering Codes								
380 - Flat - 9 TPI	3801150	3801175	-	3801300	-	-	-	-
380 - Flat - 13 TPI	-	-	-	3803300	-	-	-	-
380 - Flat - 18 TPI	-	-	-	3804300	-	-	-	-
Matching Acessories								
Card Sleeve	-	0937150	-	0937250	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Blade Holder	-	-	-	3877300	-	-	-	-

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Crossblades Snowshoes - the new dimension in winter sports!

One device for 3 winter sports :
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Easy ascent with climbing skins and pleasurable descend

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Suitable for easy backcountry ski touring.

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Crossblades - and the winter is yours !

Crossblades come with a soft boot binding for mountaineering boots, hiking shoes, trekking shoes and soft boots, or with a hard boot binding for skiing and touring boots.

Crossblades are a high-tech innovation. By using the highest quality materials they guarantee the best ascending, skiing and gliding performance on powder snow as well as on slopes - the fun factor comes free.

Using Crossblades you can walk and ski completely freely and independently of the marked slopes or specified trails





www.bludan.at

MILLED FILES
FRÄSERFEILEN UND -BLÄTTER
LIMAS FRESADAS

381 - File Curved Teeth - Fräserf. K.V.Flach - Fresada Dentes Curvos



To file soft materials when a lot of material has to be removed and a smooth surface is required.
Zum Bearbeiten von weichen Materialien, wenn eine grosse Zerspanung und eine feine Oberfläche erwünscht ist.
Para limar metais macios quando é necessário remover muito material e obter um acabamento fino.

Length & Cross Sections				
Length	200 mm	250 mm	300 mm	350 mm
Cross section	19 x 5,0	25 x 5,0	30 x 6,5	35 x 7,5
Normal Packaging				
CardBoard Box	10 files	10 files	10 files	10 files
Dz / Kg	1,44	2,76	4,32	7,80
Ordering Codes				
381 - Flat - 9 TPI	3811200	3811250	3811300	3811350
381 - Flat - 13 TPI	3813200	3813250	3813300	3813350
381 - Flat - 18 TPI	3814200	3814250	3814300	3814350
Matching Acessories				
Card Sleeve	0937200	0937250	0937300	0937350
Plastic Pouch	-	-	-	-
Rubber Handle	0970984	0970988	0970988	0970989
Wooden Handle	0967120	0967140	0967140	0967160

383 - Filemaster - Feilmeister - Lima Mestre



1 side Curved Teeth, 1 side Straight Teeth
1 Seite kreisbogenverzahnt, 1 seite schrägverzahnt.
1 face dentes curvos, outra face dentes direitos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	25 x 5,0	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	-	10 files	-	-	-
Dz / Kg	-	-	-	-	3,12	-	-	-
Ordering Codes								
13 TPI	-	-	-	-	3833250	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	0937200	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	0970988	-	-	-
Wooden Handle	-	-	-	-	0967120	-	-	-

380 - Blade Curved Teeth - Fräserblatt K.V.Flach - Lamina Dentes Curvos



Replacement Milled Blade. Curved teeth

Ersatz Fräserblatt

Lâmina Fresada de substituição. Dentes curvos.

Length & Cross Sections					
Length	150 mm	200 mm	250 mm	300 mm	350 mm
Cross section	-	20 x 4,0	25 x 4,5	30 x 4,0	35 x 4,5
Normal Packaging					
CardBoard Box	-	10 files	10 files	10 files	10 files
Dz / Kg	-	0,75	1,68	2,40	3,24
Ordering Codes Flat					
380 - Flat - 9 TPI	-	3801200	3801250	3801300	3801350
380 - Flat - 13 TPI	-	3803200	3803250	3803300	3803350
380 - Flat - 18 TPI	-	3804200	3804250	3804300	3804350
Matching Acessories					
Card Sleeve	-	0937150	0937200	0937250	0937300
Plastic Pouch	-	-	-	-	-
Rubber Handle	-	-	-	-	-
Blade Holder	-	-	-	3877300	3877350

390 - Blade Straight Teeth with Chip Breaker - Fräserblatt SV mit Nut



To file sheet metal. Avoids cloging.

Für Arbeiten an Blechkonstruktion.

Para limar folhas de chapa.

Length & Cross Sections								
Length	150 mm	200 mm	250 mm	300 mm	350 mm		300 mm	350 mm
Cross section	-	-	25 x 4,5	30 x 4,0	35 x 4,5			
Normal Packaging								
CardBoard Box	-	-	10 files	10 files	10 files	-	-	-
Dz / Kg	-	-	1,68	2,40	3,24	-	-	-
Ordering Codes								
9 TPI	-	-	3901250	3901300	3901350	-	-	-
13 TPI	-	-	3903250	3903300	3903350	-	-	-
18 TPI	-	-	3904250	3904300	3904350	-	-	-
Matching Acessories								
Card Sleeve	-	-	0937200	0937250	0937300	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Blade Holder	-	-	-	3877300	3877350	-	-	-

308 - Tin File Plane Bent - Zinkhobel gebogen Karosseriefeile - Fresada Curvada



Tin File Plane Bent. Straight Teeth.

Zinkhobel gebogen Karosseriefeile.

Lima com dentes fresados, curvada Ergonomicamente. Dentes Direitos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	25 x 6,0	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	10 files	-	-	-	-
Dz / Kg	-	-	-	2,60	-	-	-	-
Ordering Codes								
9 TPI	-	-	-	3081200	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	0970988	-	-	-	-
Blade Holder	-	-	-	0967140	-	-	-	-

391 - Milled File Straight Teeth - Fräserf.S.V. Flach- Fresada Dentes Direitos



To file soft metals and hard plastics.

Zum Bearbeiten von weichem und rostfreiem Stahl, Leichtmetall und Hartplastik.

Para trabalhar metais macios e plásticos duros.

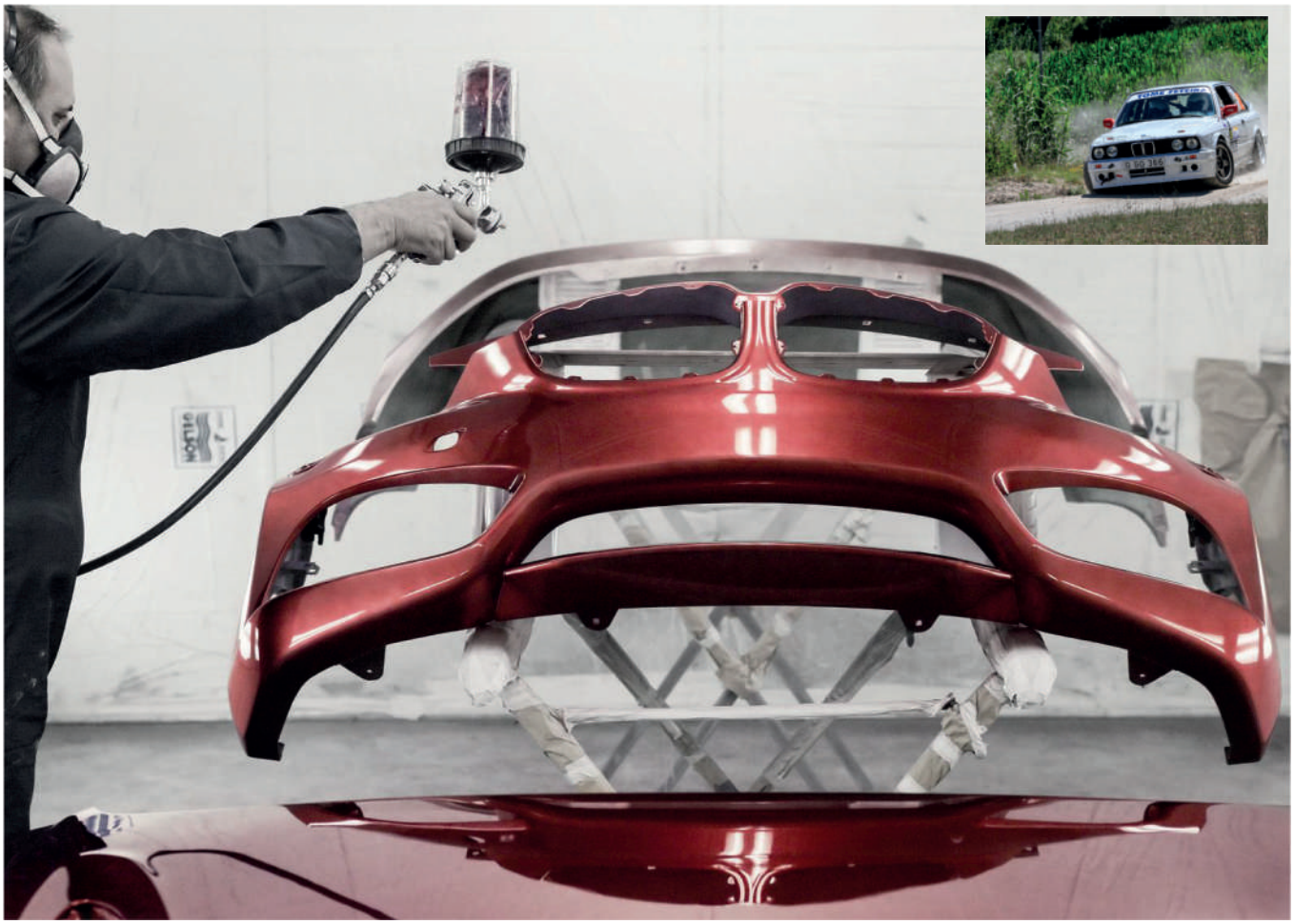
Length & Cross Sections			
Length	250 mm	300 mm	350 mm
Cross section	25 x 5,0	30 x 6,5	35 x 7,5
Normal Packaging			
CardBoard Box	10 files	10 files	10 files
Dz / Kg	2,76	4,32	7,80
Ordering Codes			
391 - Flat - 9 TPI	3911250	3911300	3911350
391 - Flat - 13 TPI	3913250	3913300	3913350
391 - Flat - 18 TPI	3914250	3914300	3914350
Matching Acessories			
Card Sleeve	0937200	0937250	0937300
Plastic Pouch	0927200	0927250	0927300
Rubber Handle	0970988	0970988	0970989
Blade Holder	0967140	0967160	0967160

387 - Holder for Milled Blades - Halter für Fräserblätter - Suporte Laminas Fresadas



Holder for Milled Blades Available in 12" and 14 ".
Halter für Fräserblätter 12" und 14".
Suporte para Laminas Fresadas. Disponível em 12" e 14 ".

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	-	-	1 holder	1 holder	-
Kg	-	-	-	-	-	0,68	0,68	-
Ordering Codes								
12 Inch		-	-	-	-	3877300	-	-
14 Inch	-	-	-	-	-	-	3877350	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-





RASPS
RASPELN
GROSAS

201 - Hand - Flachstumpf - Paralela





Hand Rasp with rasp cut on both sides. Both edges with file cut.

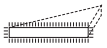
Zum Bearbeiten von ebenen Flächen bei Holz, Kunststoffen, etc.

Grosa paralela com picado de grosa nas duas faces e com picado de lima nos dois cantos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	16,0 x 4,0	21,0 x 5,5	25,0 x 7,0	30,0 x 7,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,96	1,95	3,70	5,60	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	2011150	2011200	2011250	2011300	-	-
Cut 2 - Second	-	-	2012150	2012200	2012250	2012300	-	-
Cut 3 - Smooth	-	-	2013150	2013200	2013250	2013300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970985	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

212 - Flat - Flachspitz - Chata





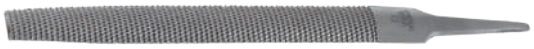
Flat rasp tapered in width, with rasp cut on both sides. Both edges with file cut.

Zum Bearbeiten von ebenen Flächen bei Holz, Kunststoffen, Kantenhieb beidseitig.

Grosa Chata com picado de grosa nas duas faces e com picado de lima nos 2 cantos.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	16,0 x 4,0	21,0 x 5,5	25,0 x 7,0	30,0 x 7,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,85	1,75	3,50	5,30	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	2121150	2121200	2121250	2121300	-	-
Cut 2 - Second	-	-	2122150	2122200	2122250	2122300	-	-
Cut 3 - Smooth	-	-	2123150	2123200	2123250	2123300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970985	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

205 - Half Round - Halbrund - Meia Cana





Half round rasp, tapered, with rasp cut on both sides. Used for rasping curved sections.
Halbrundraspel zum Bearbeiten konkaver Flächen bei Holz.
Grosa meia cana com picado nas duas faces. Usado para limar superficies côncavas e grandes orifícios.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	15,0 x 5,0	20,0 x 6,5	24,0 x 7,5	29,0 x 9,0	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,60	1,50	2,90	5,30	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	2051150	2051200	2051250	2051300	-	-
Cut 2 - Second	-	-	2052150	2052200	2052250	2052300	-	-
Cut 3 - Smooth	-	-	2053150	2053200	2053250	2053300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970985	0970988	0970989	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

210 - Cabinet - Kabinett - Cabinet





Special halfround rasp that is flatter and wider than a normal halfround. Rasp cut on both sides.
Kabinettraspel zum Bearbeiten konkaver Flächen bei Holz, dünner als halbrund.
Grosa meia cana especial, mais larga e mais achatada que a meia cana normal. Picado nas duas faces.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	24,0 x 5,0	30,0 x 6,0	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	12 files	12 files	-	-	-
Dz / Kg	-	-	-	1,55	3,30	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	2102200	2102250	-	-	-
Cut 3 - Smooth	-	-	-	2103200	2103250	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	0937200	0937250	-	-	-
Plastic Pouch	-	-	-	0927200	0927250	-	-	-
Rubber Handle	-	-	-	0970985	0970988	-	-	-
Wooden Handle	-	-	-	0967120	0967140	-	-	-

215 - Round - Rund - Redonda



Round tapered rasp, with spiral rasp cut.

Rundraspel zum Bearbeiten von Löchern und runden Einschnitten.

Grosa redonda com picado em espiral.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	8,0	10,0	12,5	14,5	-	-
Normal Packaging								
CardBoard Box	-	-	12 files	12 files	12 files	12 files	-	-
Dz / Kg	-	-	0,36	0,96	1,80	3,12	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	2151150	2151200	2151250	2151300	-	-
Cut 2 - Second	-	-	2152150	2152200	2152250	2152300	-	-
Cut 3 - Smooth	-	-	2153150	2153200	2153250	2153300	-	-
Matching Acessories								
Card Sleeve	-	-	0937150	0937200	0937250	0937300	-	-
Plastic Pouch	-	-	0927150	0927200	0927250	0927300	-	-
Rubber Handle	-	-	0970983	0970984	0970988	0970988	-	-
Wooden Handle	-	-	0967100	0967120	0967140	0967140	-	-

353 - Shoe Rasp - Leistenraspel - Grosa Sapateiro



Special cabinet rasp. Half Rasp cut and half file cut on each side. No Tang.

Schuhmacherraspel, 1/2 Feile und 1/2 Raspel.

Grosa cabinet especial, metade picado de grosa e metade picado de lima. Sem espigão.

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	22,0 x 6,0	-	-	-	-
Normal Packaging								
CardBoard Box	-	-	-	12 files	-	-	-	-
Dz / Kg	-	-	-	1,68	-	-	-	-
Ordering Codes								
Cut 1 - Bastard	-	-	-	-	-	-	-	-
Cut 2 - Second	-	-	-	3532200	-	-	-	-
Cut 3 - Smooth	-	-	-	-	-	-	-	-
Matching Acessories								
Card Sleeve	-	-	-	-	-	-	-	-
Plastic Pouch	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-
Wooden Handle	-	-	-	-	-	-	-	-

HAND CUT RASPS
HANDBEHAUENE RASPELN
GROSAS PICADAS À MÃO

Hand Cut Rasps
Handbehauene Raspeln
Grosas Picadas à Mão

TOMÉ FEITEIRA

HANDY RASPS / HANDY RASPELN

2342215
HAND / FLACHSTUMPF
Paralela 215 mm

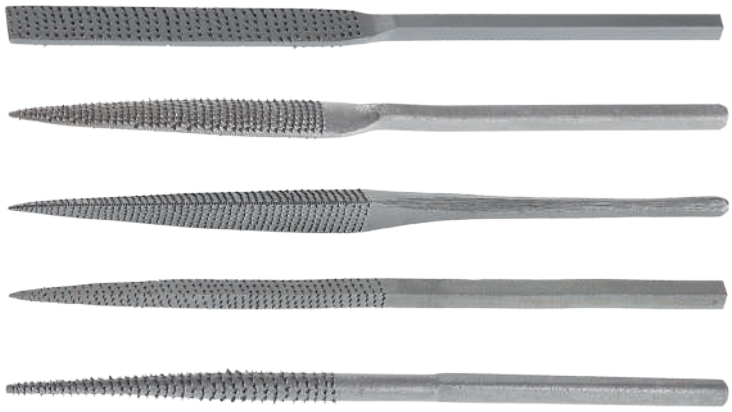
2352215
HALFROUND / HALBRUND
Meia cana 215 mm

2362215
THREESQUARE / DREIKANT
Triângular 215 mm

2372215
SQUARE / VIERKANT
Quadrada 215 mm

2382215
ROUND / RUND
Redonda 215 mm

2332215
SET OF 5 SHAPES 215 mm



NEEDLE RASPS / NADELRASPELN

4332140
FLAT / FLACHSPITZ
Chata 140 mm

4352140
HAND / FLACHSTUMPF
Paralela 140 mm

4362140
HALFROUND / HALBRUND
Meia cana 140 mm

4372140
THREESQUARE / DREIKANT
Triângular 140 mm

4382140
SQUARE / VIERKANT
Quadrada 140 mm

4392140
ROUND / RUND
Redonda 140 mm

4342140
SET OF 6 SHAPES 140 mm



RIFFLER RASPS / RIFFELRASPELN

3703200
FLAT / FLACHSPITZ
Chata 200 mm

3713200
HAND / FLACHSTUMPF
Paralela 200 mm

3723200
HALFROUND / HALBRUND
Meia cana 200 mm

3733200
THREESQUARE / DREIKANT
Triângular 200 mm

3743200
SQUARE / VIERKANT
Quadrada 200 mm

3753200
ROUND / RUND
Redonda 200 mm

3783200
SET OF 6 SHAPES 200 mm

3783200
SET OF 8 SHAPES 200 mm



3763200
KNIFE / MESSER
Faca 200 mm

3773200
OVAL / OVAL
Oval 200 mm



RIFFLER RASPS SLIM/ RIFFELRASPEL SCHMAL

3783150
SET OF 6 SHAPES 150 mm

3703150
FLAT / FLACH
Chata 150 mm

3723150
HALFROUND / HALBRUND
Meia cana 150 mm

3733150
TRHEESQUARE / DREIKANT
Triângular 150 mm

3743150
SQUARE / VIERKANT
Quadrada 150 mm

3753150
ROUND / RUND
Redonda 150 mm

3773150
OVAL / OVAL
Oval 150 mm



SPECIAL RASPS / SPEZIALRASPELN

9033250
HALFROUND/HALFROUND
Halbrund / Halbrund 250 mm

9023250
OVAL / HALFROUND
Oval/ Halbrund 250 mm

9043200
HALFROUND/HALFROUND
Halbrund / Halbrund 200 mm

9003200
ROUND/ROUND
Rund / Rund 200 mm

9013200
OVAL/KNIFE
Oval/Messer 200 mm

9113150
OVAL/HALFROUND
Oval/Halbrund 150 mm

9133150
THREESQUARE/HAND
Dreikant / Flach 150 mm

9123150
HALFROUND/HAND
Halbrund / Flach 150 mm

9103150
HALFROUND/KNIFE
Halbrund / Messer 150 mm



STAIRCASE RASPS / TREPPENBAUERRASPELN

Limas para corrimão

2281250
S-FORM
Formato S 250 mm

2291150
O-FORM
Formato O 150 mm

2291250
O-FORM
Formato O 250x25 mm





MUSHROOM RASPS / PILZRASPELN

Grosas formato cogumelo

8903065
SHANK POINTED BENT
SPITZKEGEL GEBOGEN
Ponta curva em cone
AmmB
A=22 mm
B=16 mm
65 mm

8913065
HALFROUND BENT
HALBRUND GEBOGEN
Ponta curva em meia cana
AmmB
A=26 mm
B= 8 mm
65 mm

8923065
HALFROUND
HALBRUND
Meia cana
AmmB
A=26 mm
B= 7 mm
65 mm



STANDARD SHAPES / STANDARD FORMEN

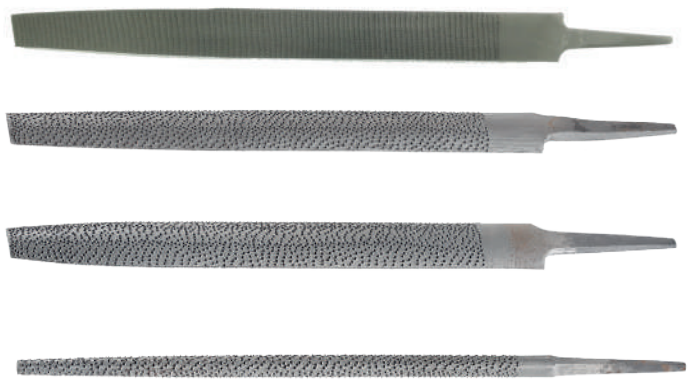
Formatos tradicionais

2405
FLACH / FLAT
Paralela / Chata
#5

2435
HALBRUND / HALFROUND
Meia cana
#5

2455
KABINETT / CABINET
Cabinet
#5

2475
RUND / ROUND
Redonda
#5



HORSE RASPS
HUFRASPEL
GROSAS DE FERRADOR



230 / 226 / 227 - Silver Bullet Rasps





1 side rasp Cut - 6 teeth per row. 1 side file Cut. Both edges Cut. Extra Sharp Teeth.
1 Seite Feile. 1 Seite Raspel. 6 Raspelzähne/Reihe.
Uma face picado grosa (6 dentes). Outra face picado de lima. 2 cantos picados

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	430 mm
Cross section	-	-	-	45,0 x 5,0	-	-	45,0 x 5,0	45,0 x 5,0
Normal Packaging								
CardBoard Box			-	6 rasps	-	-	6 rasps	6 rasps
Dz / Kg	-	-	-	4,60	-	-	7,70	9,15
Ordering Codes								
230 - Pony Rasp 8 "	-	-	-	2300200	-	-	-	-
226 - Normal 14 "	-	-	-	-	-	-	2260350	
227- Extra Long 17 "	-	-	-	-	-	-		2270430
Matching Acessories								
Card Sleeve 1 Rasp	-	-	-	-	-	-	0937350	-
Card Sleeve 2 Rasps	-	-	-	-	-	-	09372350	-
Rubber Handle	-	-	-	095	-	-	095	095
Wooden Handle	-	-	-	090	-	-	090	090

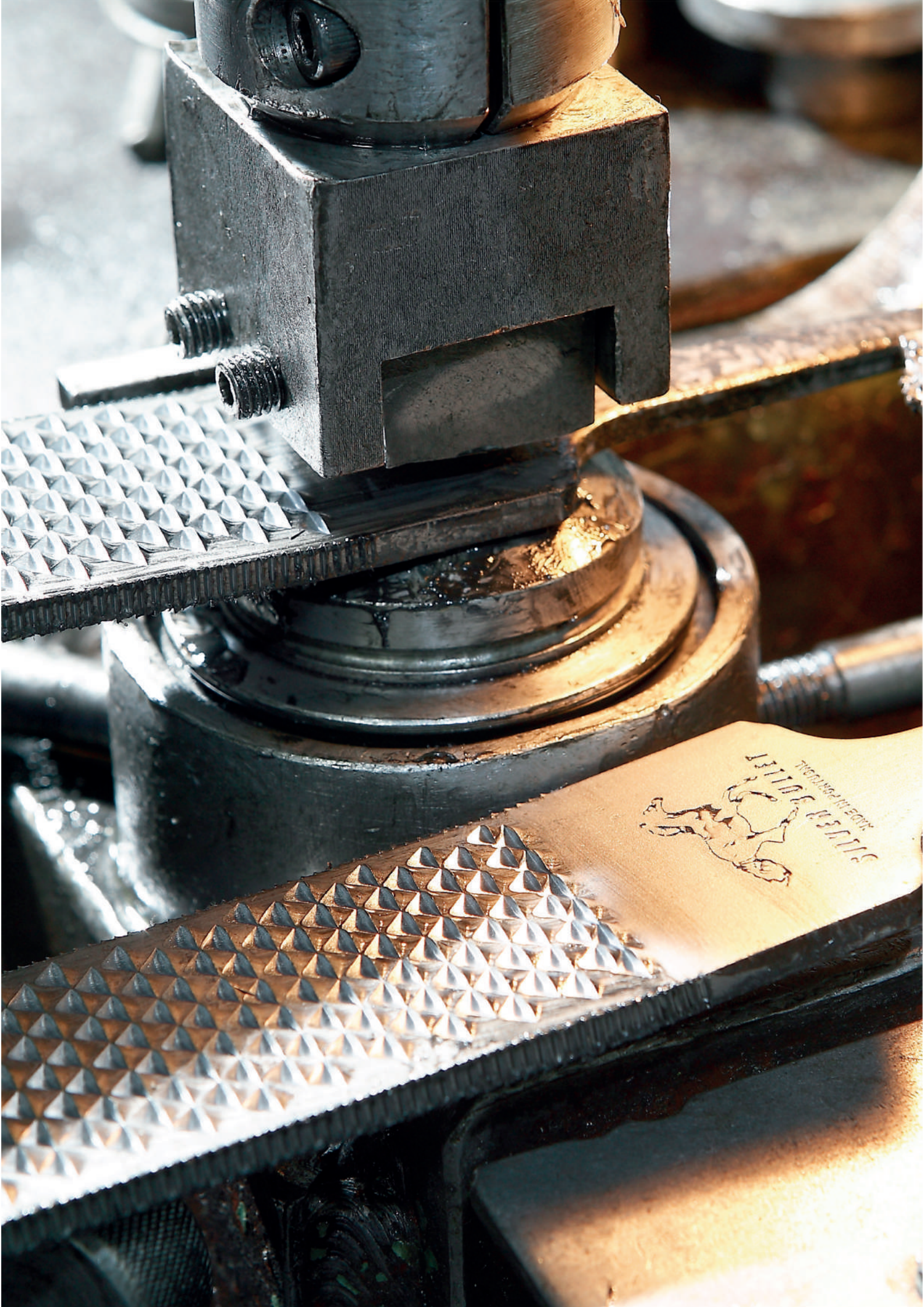
222 A / 222 B - Equistar Rasps





1 side rasp Cut - 9 teeth per row. 1 side file Cut. Both edges Cut. Extra Sharp Teeth.
1 Seite Feile - 1 Seite Raspel - 9 Raspelzähne / Reihe.
Uma face picado grosa (9 dentes). Outra face picado de lima. 2 cantos picados

Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	430 mm
Cross section	-	-	-	-	-	-	50,0 x 4,30	-
Normal Packaging								
CardBoard Box			-	-	-	-	6 rasps	-
Dz / Kg	-	-	-	-	-	-	7,50	-
Ordering Codes								
222A - Round Teeth 14 "	-	-	-	-	-	-	222 0350-A	-
222 B - Pointed Teeth 14 "	-	-	-	-	-	-	222 0350-B	
Matching Acessories								
Card Sleeve 1 Rasp		-	-	-	-	-	-	-
Card Sleeve 2 Rasps	-	-	-	-	-	-	-	-
Rubber Handle	-	-	-	-	-	-	095	-
Wooden Handle	-	-	-	-	-	-	090	-


JULIET BOLLET
MADE IN FRANCE

SMARTCUT BOWSAWS
BÜGELSÄGEN
SERRAS DE ARCO

Technical Information

In 1985 the Royal Institute of Techonology in Stockolm investigated the constructing business. They discovered that one of the most common injuries was that the workers cut themselves in their hands while working with a bowsaw. This was due to the fact that Bowsaws were only available with big teeth for fast cut. With a patented technology based on computerized manufacturing we can now produce sawblades with small teeth for a safe start, medium size teeth for high precision and big teeth for fast cut, all on the same blade.



COMBI SAW 12"

Bow + 1 blade for wood + 1 blade for metal
1 Sägeblatt zum Bearbeiten von Holz, 1 Sägeblatt zum Bearbeiten von Metall und Plastik.
Arco+1 lâmina p/ madeira + 1 lamina p/ metal



BOW SAWS / BÜGELSÄGEN / SERRAS DE ARCO

	CODE	SIZE
PRUNING SAW	BS21	21" - 530MM
ALLROUND SAW	BS24	24" - 610MM
HEAVY DUTY SAW	BS30	30" - 760MM
HEAVY DUTY SAW	BS36	36" - 910MM



DELUXE SMART CUT SET 12" & 30"

Combi Saw 12" + Heavy-Duty saw 30"
Bügelsägenset mit 12" Säge mit 2 Sägeblättern und 30" Säge mit 1 Holzsägeblatt



REPLACEMENT BLADE

Ersatzblatt
Lâmina Extra



TYPE	CODE	SIZE
REPLACEMENT BLADE FOR WOOD	BSB12	12" - 300MM
REPLACEMENT BLADE FOR WOOD	BSB21	21" - 530MM
REPLACEMENT BLADE FOR WOOD	BSB24	24" - 610MM
REPLACEMENT BLADE FOR WOOD	BSB30	30" - 760MM
REPLACEMENT BLADE FOR WOOD	BSB36	36" - 910MM
REPLACEMENT BLADE FOR METAL	BSBM12	12" - 300MM

Background



BLADE WITH 3 DIFFERENT TEETH SIZES:
Small teeth for a safe start
Medium size teeth for high precision
Big teeth for a fast cut

LÂMINA COM DENTES DE 3 TAMANHOS :
Dentes pequenos para um inicio suave e seguro
Dentes médios para um corte de grande precisão
Dentes grandes para um corterápido e eficiente

SÄGEBLATT MIT 3 VERSCHIEDENEN ZAHNGRÖSSEN:
Kleine Zähne für einen sicheren Start
Mittelgroße Zähne für hohe Präzision
Große Zähne für einen schnellen Schnitt



Top Quality | Patented Technology
Three different teeth on one and the same sawblade
Safe Start - Fast Cut - High Precision
A new technology to minimize the risk of accidents


TOME
FETEIRA
SINCE 1856

HANDLES AND PACKAGING
GRIFFE UND VERPACKUNG
CABOS E EMBALAGENS





097
ERGONOMIC RUBBER HANDLE
Plastik Heft
Cabo ergonómico em borracha



098 (7120)
HANDLE FOR CHAINSAW FILES
Kettensägefeilenheft
Cabo para limas para motoserra



096
WOODEN HANDLE
Holz Helft
Cabo em madeira

PACKAGING · VERPACKUNG · EMBALAGEM



BOX WITH 6 OR 12 PIECES
Schachtel mit 6 oder 12 Feilen
Caixa com 6 ou 12 limas



093
PAPER SLEEVE
SB Tasche
Bolsa de cartão



092 + 097
Plastic sleeve and Handle
Plastiktasche und Griff
Bolsa de Plastico e cabo



091 + 097
FILE WITH HANDLE AND PAPER SLEEVE
Feile mit Griff und SB Tasche
Lima com cabo e bolsa de cartão



090
HANDLE IN WOOD WITH SCREW
Schraubgriff
Cabo em madeira de enroscar



095
SPECIAL HANDLE FOR HORSE RASPS
Spezieller weicher Plastikgriff für Hufraspel
Cabo especial para grosas de ferrador



098
NEEDLEFILE HANDLE
Nadelfeilenheft
Cabo para limas de motosserra



099
HANDLE WITH HARDENED THREADED INSERT
Schraubgriff mit gehärtetem Gewinde-einsatz
Cabo para limas



MACHINERY & EQUIPMENTS
MASCHINEN & ANLAGEN
MÁQUINAS E EQUIPAMENTOS

IBS Hot Forging Machines

FORGING MACHINES FOR FILES AND CHISELS
SCHMIEDMASCHINEN FÜR AKTEN UND MEISSEL
MAQUINAS PARA FORJAR LIMAS E PONTEIROS

We have been developing and producing our Hot Forging Machines for more than 70 years, and have gained the market recognition for their high quality standard and extreme reliability. These Machines were specially developed for precise, fast and economic forging of several tools, namely file tangs and points and chisel points, of different formats : flat, square, triangular, round, hexagonal, etc.

The robust machine construction allows the shaping of all metallic materials, in particular of construction and tool steel.

These machines have a high hourly output, approximately double of common power hammers and a high degree of exactness.

Machine Specifications		SM401	SM402	SM403	SM601	SM602
Forging Capacity (mm) Cross Section x Length		10X120	24X90	50X120	10X120	24X90
Greates Possible Forging Length (mm)		140	165	175	140	165
Working Pressure Max (N)		120000	220000	450000	120000	220000
Stroke (num/min)		1200	1000	800	1200	1000
Motor Output 1400 U/min (KW/PS)		11/15	15/20	18/25	15/20	18/25
Dimensions (mm)	Width Dept Hight	1600 1100 1550	1700 1200 1600	1800 1400 1650	1750 1100 1600	1850 1200 1680
Transport Detail s						
Weight (Kg)	Gross Net	2000 1900	2750 2600	3900 3700	2800 2700	3850 3700
Create Dimen.	Width Dept Hight	1750 1250 1750	1850 1350 1800	1950 1550 1850	1900 1250 1800	2000 1350 1880



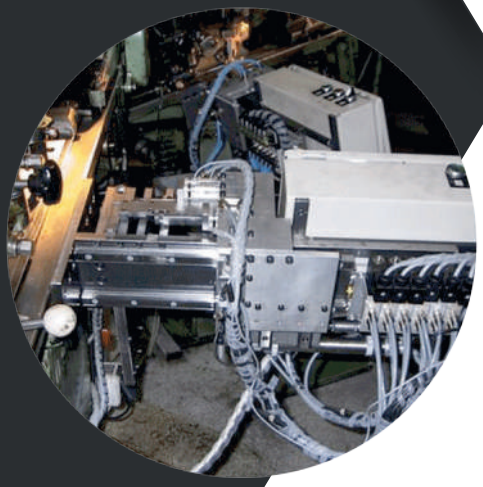


Type:	Models:
4 Hammers	SM401, SM402, SM403



Type:	Models:
6 Hammers	SM601, SM602







The experience gained by Tomé Fèteira in over 160 years of manufacturing files and rasps is also being used to develop new machinery for file production and other different uses. In fact, we are the most important worldwide supplier of machinery for file productions.

Our Hot Forging machines are the best example - We supply them to most of the biggest file manufacturers around the world, and also to the most important chisel makers.
But, we are also on the top of modern technology with many other equipments. Our Induction Hardening Systems and our Induction Heating Systems are used not only by the file and the chisel industry, but also in the glass mould industry for heating up the moulds before brazing. We prepare individualized solutions for each induction heating demand.

Our File Sharpening Systems and our Dry Sandblasting Equipments, both with run through belts, are also best sellers.

Of course, file cutting machines, either automatic or semi-automatic, with or without feeders, and all machinery concerning file and rasp production we produce and supply.

We have the know-how and manufacturing capacity to install complete production lines for different types of files, and we are regularly asked to do so. We supply Key in hand solutions, including training and know how transfer.
Please contact us for more detailed information about your needs.

TRADITION


PERFORMANCE
CREATES
TRUST