



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 & deburring

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 Accessories								
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 & deburring

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

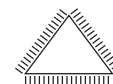
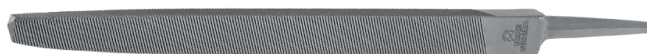
Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	11,0 x 2,5	14,0 x 3,5	15,0 x 3,5	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	33,5 x 7,5	37,5 x 8,5

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 Accessories								
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 Accessories								
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

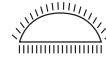


Square tapered file with double cut on all sides. Used for filing slots, grooves and square holes.

Vierkantfeile zum Feilen von Nuten, Schlitzten 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 Accessories								
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 großer Löcher.

Lima meia cana com picado duplo nas duas faces. Usado para limar superfícies 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 x 11,0
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 Accessories								
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 Accessories								
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.

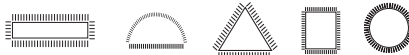
Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	20,0 x 4,5	24,0 x 6,0	29,0 x 6,5	-	-
Normal Packaging								
CardBoard Box	-	-	-	12 files	12 files	12 files	-	-
Dz / Kg	-	-	-	1,75	3,20	5,10	-	-
Ordering Codes								
297 Hand	-	-	-	2970200	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.

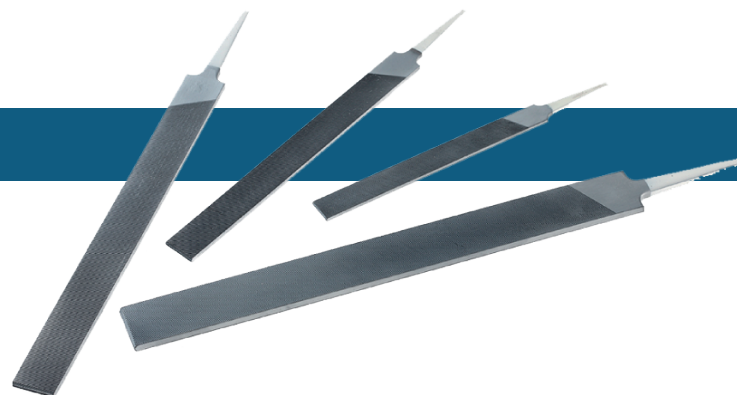


Length & Cross Sections								
Length	100 mm	125 mm	150 mm	200 mm	250 mm	300 mm	350 mm	400 mm
Cross section	-	-	-	-	-	-	-	-
Normal Packaging								
Plastic Pouch	-	-	5 files	5 files	5 files	5 files	-	-
CardBoard Box	-	-	-	5 files	5 files	-	-	-
Dz / Kg	-	-	5,40	9,60	16,20	25,20	-	-
Ordering Codes								
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 applied on all of our files and rasps with the following advantages:

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

- 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.

- 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!