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**Files, Saws, and
Multi-Purpose Tools**

Nicholson™

Nicholson™ Table of Contents

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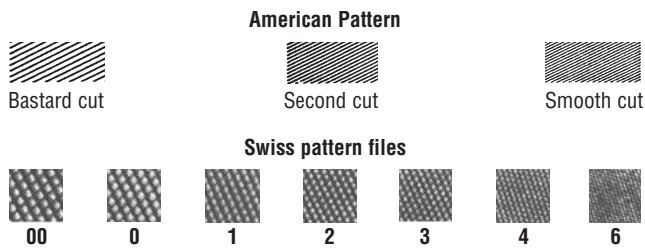
Safety Precautions



Always wear safety glasses.
Warn workers nearby to stay clear before you
make each cut.

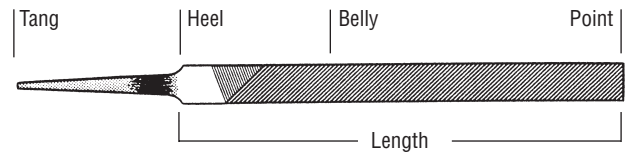
File Terminology

Coarseness



- Work to be accomplished, roughing or finishing, will determine type of teeth and coarseness for each application.
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut.
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4, and 6
- The degree of coarseness is greater in longer files, but differences between bastard, second and smooth are proportionate.

Length



- Length is measured exclusive of tang, from point to heel, unless specified otherwise.
- Desired stroke length, type of material and size will determine length required.

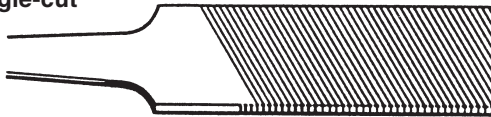
Shape



- Area to be filed will determine specific cross-section (round, square, flat, etc.) to be used.

Kinds of Teeth

Single-cut



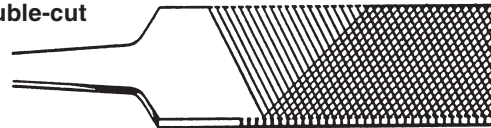
- Single set of parallel, diagonal rows of teeth.
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws.

Rasp-cut



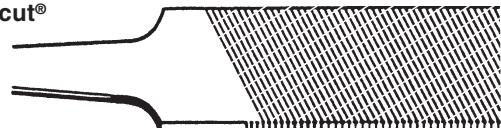
- Series of individual teeth which are formed by a single-pointed tool.
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead.

Double-cut



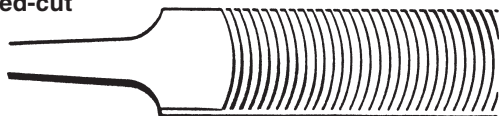
- 2 sets of diagonal rows of teeth.
- Second set of teeth cut in opposite diagonal direction and on top of the first set.
- First set of teeth is known as the overcut, second is known as upcut.
- Upcut is finer than overcut.
- Double-cut file is used with heavier pressure than the single-cut and removes material faster from the workpiece.

Magicut®



- Single cut teeth divided by angular serrations into shorter cutting edges, which free themselves readily from chips and perform roughing and smoothing at the same time.

Curved-cut



- Teeth arranged in curved contours across the file face.
- Curved-cut file is normally used in automotive body shops for smoothing body panels.

Files with Ergonomic Handles



- Rubber coating and rounded shape eliminates pressure points.
- Flared neck, raised ribs, and wide middle section keep your hand from slipping and provides maximum comfort and control.
- Rear taper allows your hand to lock securely around the handle, increasing push force.
- Hang hole for easy storage.

Length Inch mm		Cut	Packed	Code No.	Weight g	Shelf Pack
HAND						
6	150	Bastard	Carded	0016100601	104	6
6	150	2nd cut	Carded	0016100602	104	6
6	150	Smooth	Carded	0016100603	110	6
8	200	Bastard	Carded	0016100801	140	6
8	200	2nd cut	Carded	0016100802	140	6
8	200	Smooth	Carded	0016100803	215	6
10	250	Bastard	Carded	0016101001	350	6
10	250	2nd cut	Carded	0016101002	350	6
10	250	Smooth	Carded	0016101003	350	6
12	300	Bastard	Carded	0016101201	520	6
12	300	2nd cut	Carded	0016101202	530	6
12	300	Smooth	Carded	0016101203	520	6

HAND MAGICUT						
8	200	Magicut	Carded	0016110800	196	6
10	250	Magicut	Carded	0016111000	344	6

HALFROUND						
6	150	Bastard	Carded	0016300601	92	6
6	150	2nd cut	Carded	0016300602	99	6
6	150	Smooth	Carded	0016300603	98	6
8	200	Bastard	Carded	0016300801	176	6
8	200	2nd cut	Carded	0016300802	174	6
8	200	Smooth	Carded	0016300803	169	6
10	250	Bastard	Carded	0016301001	310	6
10	250	2nd cut	Carded	0016301002	296	6
10	250	Smooth	Carded	0016301003	318	6
12	300	Bastard	Carded	0016301201	487	6
12	300	2nd cut	Carded	0016301202	506	6
12	300	Smooth	Carded	0016301203	505	6

ROUND						
6	150	Bastard	Carded	0016500601	68	6
6	150	2nd cut	Carded	0016500602	68	6
6	150	Smooth	Carded	0016500603	94	6
8	200	Bastard	Carded	0016500801	102	6
8	200	2nd cut	Carded	0016500802	102	6
8	200	Smooth	Carded	0016500803	101	6
10	250	Bastard	Carded	0016501001	180	6
10	250	2nd cut	Carded	0016501002	180	6
10	250	Smooth	Carded	0016501003	198	6
12	300	Bastard	Carded	0016501201	338	6
12	300	Smooth	Carded	0016501203	335	6

Files with Ergonomic Handles

Length Inch mm	Cut	Packed	Code No.	Weight g	Shelf Pack
SQUARE					
6 150	Bastard	Carded	0016400601	75	6
6 150	2nd cut	Carded	0016400602	81	6
8 200	Bastard	Carded	0016400801	112	6
8 200	2nd cut	Carded	0016400802	120	6
8 200	Smooth	Carded	0016400803	126	6
10 250	Bastard	Carded	0016401001	230	6
10 250	2nd cut	Carded	0016401002	218	6
10 250	Smooth	Carded	0016401003	199	6
THREESQUARE					
6 150	Bastard	Carded	0016600601	117	6
6 150	2nd cut	Carded	0016600602	119	6
6 150	Smooth	Carded	0016600603	125	6
8 200	Bastard	Carded	0016600801	190	6
8 200	2nd cut	Carded	0016600802	217	6
10 250	2nd cut	Carded	0016601002	350	6
WARDING					
6 150	Bastard	Carded	0016900601	80	6
6 150	2nd cut	Carded	0016900602	65	6
MILL BLUNT 1 RE (1 Round Edge)					
6 150	2nd cut	Carded	0015170602	82	6
8 200	2nd cut	Carded	0015170802	144	6
10 250	2nd cut	Carded	0015171002	290	6
12 300	2nd cut	Carded	0015171202	434	6
MILL BLUNT 2 RE (2 Round Edges)					
6 150	2nd cut	Carded	0015180602	82	6
8 200	2nd cut	Carded	0015180802	144	6
10 250	2nd cut	Carded	0015181002	290	6
SLIM TAPER					
6 150	Single cut	Carded	0015090600	104	6
REGULAR TAPER					
6 150	Single cut	Carded	0015000600	123	6
HANDY FILE					
8 200	Single and double cut	Carded	0017310800	226	6
WOODCRAFT RASP					
8 200	Rasp and file cut	Carded	0017000800	258	6
WOOD RASP HALFROUND					
8 200	Bastard	Carded	0017140801	172	6
WOOD RASP ROUND					
8 200	Bastard	Carded	0017130800	115	6
CABINET RASP REGULAR					
8 200	2nd cut	Carded	0017090801	168	6
10 250	2nd cut	Carded	0017091001	248	6
12 300	2nd cut	Carded	0017091201	470	6
HANDLE ONLY					
with 5 inserts / adapters		Carded	0010000150	90	6

File Sets see page 131–132

Aluminium Files – Type “A” Flat

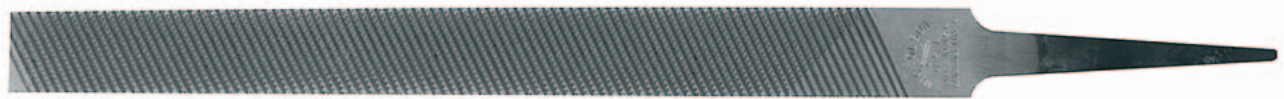


- Special tooth construction eliminates clogging when filing aluminum.
- Flat shape
- Double-cut
- All sizes have same number of teeth per inch.
- Smooth finish obtained by using shearing cut toward left.

Length		Packed	Code No. Made in USA	Code No. Made in Brazil	Weight per doz. g	Shelf Pack
Inch	mm					
8	200	Boxed	00024	0012030800*	1361	12
10	250	Boxed	00047	0012031000*	3289	6

*Discontinued, while quantity lasts

Aluminium Files – Type “A” Half Round



- Special tooth construction eliminates clogging when filing aluminum.
- Half-round shape
- Double-cut
- Smooth finish obtained by using shearing cut toward left.

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
10	250	Boxed	00161	2608	6

Bodifiles



- For those who work on automobile bodies, particularly in blending solder with sheet metal.
- Rectangular shape
- Files have teeth on convex side only.
- Files have offset tangs for knuckle clearance in filing large sheet metal surfaces.
- D/C refers to double-cut
- For fine finishing steel surfaces.

Type	Teeth per Inch	Size Inch x Inch	Packed	Code No.	Bend "R" Inch mm	Weight per doz. g	Shelf Pack
50-404 D/C	20	1 11/32" x 5/16"–14 Flat Bent	Boxed	03184	196 4981	7541	6

Cabinet Files



- Used by cabinetmakers and woodworkers.
- Files are half-round in section.
- Teeth are slightly finer than those of wood files.
- Radius is larger and thinner than regular half-round files.

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
10	250	Boxed	01260	2466	6

Cantsaw Files



- Used for sharpening crosscut saws with "M" teeth, circular saws and saw teeth with less than 60° angle.
- Triangular shape
- Single-cut
- Edges set and cut
- Same number of teeth per inch as mill bastard files of equivalent length.
- Supplied with "cut back"

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	Boxed	01327	652	12

Chain Saw Files – Round Smooth



- Round shape
- Smooth-cut
- Carded files, 3 files on card

Length		Diameter		Type	Code No.	Packed	Weight per Shelf Pack g	Shelf Pack
Inch	mm	Inch	mm					
6	150	1/8	3,20	610	0011266100	Boxed	90	6
6	150	9/64	3,60	615	0011266150	Boxed	110	6
6	150	5/32	4,00	620	0011266200	Boxed	120	6
6	150	5/32	4,00	620	0015266200	Carded	260	4
8	200	5/32	4,00	825	0011268250	Boxed	130	6
8	200	11/64	4,50	827	0011268270	Boxed	150	6
8	200	11/64	4,50	827	0015268270*	Carded	380	4
8	200	3/16	4,80	83	0011268300	Boxed	180	6
8	200	3/16	4,80	83	0015268300	Carded	440	4
8	200	13/64	5,20	832	0011268320	Boxed	210	6
8	200	7/32	5,60	835	0011268350	Boxed	240	6
8	200	7/32	5,60	835	0015268350	Carded	560	4
8	200	1/4	6,40	84	0011268400	Boxed	260	6

*Discontinued, while quantity lasts

Chain Saw Files – Flat



- Used for cutter-raker type (2 round edges) chain saw.
- Rectangular shape

Type	Length		Packed	Code No.	Weight per doz. g	Shelf Pack
	Inch	mm				
16	6	150	Boxed	0011251600	767	12

Crosscut – Great American



- Used for sharpening saws of Great American type and varieties of crosscut saws.
- Triangular shape
- Single-cut
- Rounded back and thin edge are cut.
- Same number of teeth per inch as mill bastard files of equivalent length.
- Rounded back used to deepen rounded gullets of saw teeth.

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
8	200	Boxed	02435	1474	12
10	250	Boxed	02465	2835	12

Double Ender Files



- Triangular shape
- Sides and edges are single-cut from points to center giving full use of file.
- All files supplied with handles.
- Single-cut

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	Boxed	02884M	312	12
7	175	Boxed	02905M	369	12
8	200	Boxed	02926M	567	12

Farmer's Own Files



- General purpose file suited for agricultural use.
- Rectangular shape
- Single-cut
- Safe edges
- Length measured exclusive of handle.
- Convenient hang up hole

Length		Packed	Code No.		Weight per doz. g	Shelf Pack
Inch	mm		Made in USA	Made in Brazil		
8	200	Boxed	06649	0013290800*	2155	12
10	250	Boxed	06668	0013291000*	4508	12

*Discontinued, while quantity lasts

Flat Files



- Used by machinists, machinery builders, ship and engine builders, repairman and others who require rapid removal of metal.
- Rectangular in cross section and taper slightly towards point in width.
- Double-cut on sides, single-cut on edges.
- American pattern, available in bastard, second and smooth-cut.
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
4	100	03367	03401	03434	255	12
6	150	03467	03500	03533	709	12
8	200	03566	03599	03632	1701	12
10	250	03665	03698	03731	3261	6
12	300	03764	03797	03830	5103	6
14	350	03863	03896	03929	7541	6

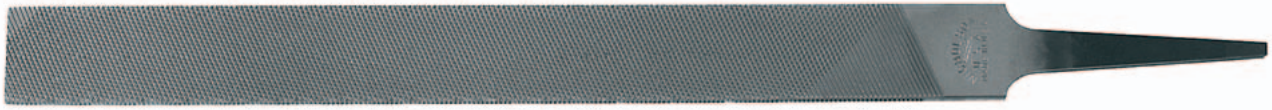
Half Round Files



- Used on concave, convex and flat surfaces.
- Rounded on 1 side, flat on opposite.
- Backs of all half-round bastard files are double-cut.
- Backs of all half-round second-cut files longer than 6" are double-cut.
- Backs of all 4 and 6" files are single-cut.
- Backs of all half-round smooth files are single-cut.
- Flat sides of all half-round files are double-cut.
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
4	100	04695	04729	04762	284	12
6	150	04795	04828	04861	709	12
8	200	04896	04927	04960	1503	12
10	250	04995	05026	05059	2750	6
12	300	05094	05125	05158	4763	6
14	350	05194	05225	05258	7371	6

Hand Files



- Rectangular shape
- Double-cut
- 1 safe edge
- Same coarseness as flat files of corresponding lengths.
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
4	100	05652	05675	05698	397	12
6	150	05738	05771	05804	794	12
8	200	05853	05886	05919	1758	12
10	250	05968	06001	06034	3402	6
12	300	06084	06117	06150	7768	6
14	350	06198	—	—	7836	6

Knife Files



- Used primarily by tool and die makers with work having acute angles.
- Triangular shape
- Double-cut on sides, single-cut on sharp edge.
- Knife files are supplied with safe backs.
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
4	100	06711	—	06773	170	12
6	150	06804	06836	06867	539	12
8	200	06898	06930	06961	1134	12
10	250	06992	07023	07054	2098	12

Long Angle Lathe Files – Bastard



- Rapid, free cutting files designed for lathe filing.
- Rectangular shape
- Single-cut
- Safe edges to protect shoulder or dog.
- Made on flat blanks in bastard-cut.
- Cut faster than regular mill files and leave smoother finish.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
12	300	07688	5103	6
14	350	07719	7541	6

Long Angle Lathe Files – Fine

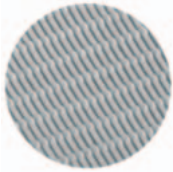


- Specially designed for finishing rapid stock removal on lathe work.
- Rectangular shape
- Safe edges
- Cut faster than regular mill files and leave smoother finish.
- Boxed

Length		Code No. Made in USA	Code No. Made in Brazil	Weight per doz. g	Shelf Pack
Inch	mm				
10	250	07842	0012191002*	1730	6
12	300	07851	0012191202	2638	6
14	350	07863	—	3998	6

*Discontinued, while quantity lasts

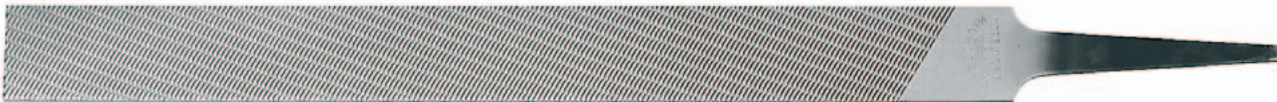
Magicut® Files – Flat



- Used by machinists as all-purpose file to remove stock rapidly and to leave a smooth finish.
- Tapered point in width
- File features a pattern of narrow chip breakers created by steep and angled serrations for rapid removal and smoother finish.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
8	200	07894	1701	12
10	250	07917	3260	6
12	300	07941	5103	6

Magicut® Files – Hand



- Used by machinists as all-purpose file to remove stock rapidly and to leave a smooth finish.
- Rectangular shape
- Parallel edges full length
- File features a pattern of narrow chip breakers created by steep and angled serrations for rapid removal and smoother finish.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
8	200	0012110800	1740	12
10	250	0012111000	3360	6

Mill Blunt Files



- Used for sharpening mill or circular saws.
- Also for draw-filing and finishing metals.
- Rectangular shape
- Single-cut on sides and edges.
- 1 or 2 round edges and parallel edges.
- Boxed

Length		Type	Two Square Edges	One Round Edge	Two Round Edges	Weight per doz.	Shelf
Inch	mm	Cut	Code No.	Code No.	Code No.	g	Pack
6	150	Bastard	0011160601*	—	—	600	12
8	200	Bastard	0011160801	—	—	1320	12
10	250	Bastard	0011161001	—	—	2640	12
12	300	Bastard	0011161201*	—	—	4440	6
8	200	2nd cut	0011160802	—	—	1380	12
12	300	2nd cut	0011161202*	—	—	4380	6
6	150	2nd cut	—	0011170602	—	600	12
8	200	2nd cut	—	10165	—	1320	12
10	250	2nd cut	—	0011171002	—	2580	12
12	300	2nd cut	—	0011171202	—	4320	6
6	150	2nd cut	—	—	0011180602	540	12
8	200	2nd cut	—	—	0011180802	1320	12
10	250	2nd cut	—	—	0011181002	2400	12

*Discontinued, while quantity lasts

Pillar File



- Used mostly by machinists for filing slots and keyways.
- Similar to hand files but narrower.
- Rectangular cross section
- 1 safe edge

Length		Packed	Type Cut	Code No.	Weight per doz.	Shelf
Inch	mm				g	Pack
8	200	Boxed	Bastard	11118	1673	12

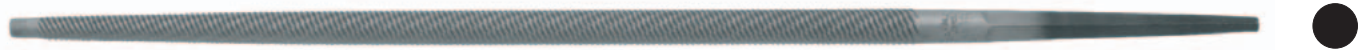
Square Files



- Used on slots, keyways and general surface filing.
- Square shape
- Double-cut
- Tapered slightly towards point
- Larger sizes frequently preferred to corresponding flat files because of heavier section and 4 filing surfaces.
- Boxed

Length		Width		Bastard Cut	Second Cut	Smooth Cut	Weight per doz.	Shelf
Inch	mm	Inch	mm	Code No.	Code No.	Code No.	g	Pack
4	100	$\frac{5}{32}$	4	12790	12824	12857	113	12
5	125	$\frac{3}{16}$	5	0012400501	—	—	240	12
6	150	$\frac{1}{4}$	6	12967	13000N	13033	482	12
8	200	$\frac{5}{16}$	8	13081	13114	13147	879	12
10	250	$\frac{3}{8}$	10	13196	13229	13262	1758	12
12	300	$\frac{1}{2}$	13	13310	13343	13376	3799	6

Round Files



- Primarily used to file circular openings or concave surfaces.
- Round shape
- All 4, 5, 6, 8, 10, 12" files are single-cut
- 14" bastard file is double-cut
- Tapered slightly towards point
- Boxed

Length		Diameter		Bastard Cut	Second Cut	Smooth Cut	Weight per doz.	Shelf
Inch	mm	Inch	mm	Code No.	Code No.	Code No.	g	Pack
4	100	$\frac{1}{8}$	3	0012500401	0012500402	0012500403	113	12
5	125	$\frac{3}{16}$	5	11637	—	0012500503	255	12
6	150	$\frac{1}{4}$	6	11716	11748	0012500603	397	12
8	200	$\frac{5}{16}$	8	0012500801	11936	0012500803	624	12
10	250	$\frac{3}{8}$	10	12019	0012501002	12084	1446	12
12	300	$\frac{1}{2}$	13	0012501201	12166	0012501203	3090	6
14	350	$\frac{5}{8}$	16	12248	—	—	5415	6

Taper (Triangular) Saw Files

Number of Saw Points	Files Recommended
5	7"/178 mm Taper Regular
5 1/2	7"/178 mm Taper Regular
6	7"/178 mm or 8"/200 mm Slim
7	6"/150 mm or 7"/178 mm Slim
8	6"/150 mm Slim
	7"/178 mm Extra Slim
	8"/200 mm Double Extra Slim
9	6"/150 mm Extra Slim
	7"/178 mm Double Extra Slim
10	5"/127 mm or 6"/150 mm Extra Slim
11	5"/127 mm Extra Slim
	6"/150 mm Double Extra Slim
12	5"/127 mm Extra Slim
13 and 14	5"/127 mm Double Extra Slim
15 and 16	4"/102 mm Double Extra Slim

- Made for filing saws with 60° angle teeth
- Triangular shape
- Single-cut
- Edges set and cut for filing gullets between saw teeth.
- In filing handsaws, it is important to select the right file.
- In general, the table lists suggested size and type of file that will give best results.

Taper Files – Regular and Heavy



- Triangular shape
- Boxed
- Edges set and cut for filing gullets between saw teeth.
- Tapers slightly towards the point.

Length		Code No.	Code No.	Weight per doz.	Shelf
Inch	mm	Made in USA	Made in Mexico	g	Pack
Regular					
3 1/2	88	—	0011000350	180	12
4	100	13727M	0011000400	311	12
4 1/2	113	13750M	0011000450	425	12
5	125	13772M	0011000500	567	12
6	150	13807	0011000600	907	12
7	175	13841	0011000700	1332	12
8	200	13875	0011000800	1956	12
10	250	13930	0011001000*	3402	12
Heavy					
7	175	—	0011070700	1680	12
8	200	—	0011070800	2400	12

* Made in Brazil

Taper Files – Slim



- Triangular shape
- Edges set and cut for filing gullets between saw teeth.
- Boxed

Length		Code No.	Code No.	Weight per doz.	Shelf
Inch	mm	Made in USA	Made in Mexico	g	Pack
4	100	14106	0011090400	170	12
4 1/2	113	14139	0011090450	226	12
5	125	14162	0011090500	255	12
6	150	14224	0011090600	482	12
7	175	14255	0011090700	765	12
8	200	14290	0011090800*	1191	12

*Made in Brazil

Taper Files – Extra Slim



- Triangular shape
- Edges set and cut for filing gullets between saw teeth.
- Boxed

Length		Code No.	Code No.	Weight per doz.	Shelf
Inch	mm	Made in USA	Made in Mexico	g	Pack
4	100	14547	0011100400	113	12
5	125	14599	0011100500	170	12
6	150	14665	0011100600	312	12
7	175	14698	0011100700	539	12
8	200	14729	0011100800	851	12

Taper Files – Double Extra Slim



- Triangular shape
- Edges set and cut for filing gullets between teeth.
- Boxed

Length		Packed	Code No.	Weight per doz.	Shelf
Inch	mm			g	Pack
4	100	Boxed	0011120400	82	12
5	125	Boxed	0011120500*	142	12

*Discontinued, while quantity lasts

Taper Files – Bandsaw Regular and Heavy



- For filing and sharpening bandsaws.
- Triangular shape
- Edges set and cut for filing gullets between saw teeth.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
Regular				
6	150	0011010600	900	12
7	175	0011010700	1320	12
8	200	0011010800	1920	12
Heavy				
6	150	0011080600	1080	12
7	175	0011080700	1640	12
8	200	0011080800	2360	12

Taper Files – Machine Bandsaw Blunt



- File is blunt over the whole body length.
- Triangular shape
- Edges set and cut for filing gullets between saw teeth.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
8,5	210	0011060850	1980	12

Three Square Files



- For general use by machinists for filing internal angles more acute than right angles, clearing out square corners and filing taps and gutters.
- Triangular shape
- Double-cut
- Sharp corners are slightly set and cut.
- Cut to the point
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
4	100	0012600401	0012600402	0012600403	340	12
5	125	—	0012600502	—	540	12
6	150	15925	15958	15991	879	12
8	200	16036	16069	16102	1928	12
10	250	16147	16180	16213	3402	12
12	300	—	16291	—	5216	6

Tungsten Point Files



- Designed for dressing distributor points that are tipped with tungsten, iridium and similar metals.
- Thin rectangular shape
- Double-cut
- 5 1/4" overall
- Chisel tip of file enters slots or gaps easily.
- Approximate size 5/16" / 8 mm x 0,044" / 1,10 mm.
- Available with attractive carded display.
- Code No. 02381 contains 12 files.

Length		Packed	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
5 1/4	133	Boxed	02373	1134	12
5 1/4	133	12/cd	02381	1588	12

Warding Files



- Used primarily by locksmiths in repairing and filing ward notches in keys.
- Thin rectangular shape
- Double-cut on sides, single-cut on edges
- Also suited for use in narrow spaces where other files will not fit.

Length		Bastard Cut Code No.	Second Cut Code No.	Smooth Cut Code No.	Weightper doz. g	Shelf Pack
Inch	mm					
4	100	16507	16540	16573	142	12
6	150	16663	16696	16729	369	12
8	200	16761	16794	16827	737	12

Cabinet Rasps



- Used by cabinetmakers and woodworkers.
- Half-round
- Single-cut on edges
- Curved side of rasps similar to half-round rasps but has larger radius.
- Boxed

Length		Regular (Second Cut) Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
8	200	0013090801	1361	12
10	250	17683	2466	6
12	300	17751	4224	6

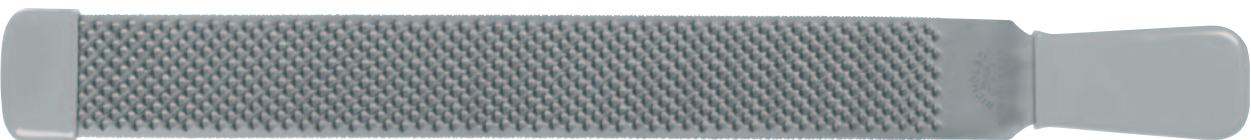
Horse Rasp – Plain 1/2 File



- Some farriers prefer this thin fine-toothed rasp for shoeing racetrack, riding horses and ponies.
- Plain horse rasps are double-ended with rasp teeth on 1 side, file teeth on opposite.
- Rectangular shape
- Boxed

Length		Type	Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
14	350	Regular	17903	8902	6

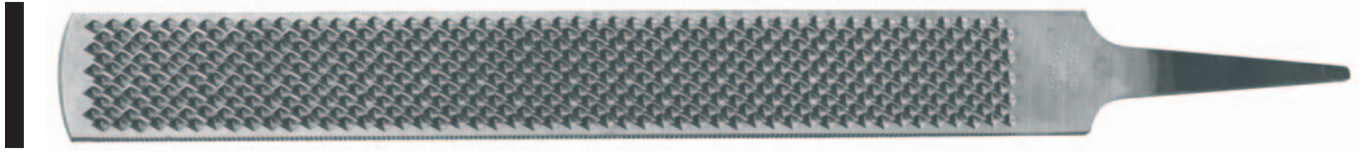
Farrier's Handy Rasp



- Rectangular shape
- Single-cut on edges
- Comfortable cushion grip at point and handle.
- Rasp teeth on 1 side, file teeth on opposite.
- Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row).
- Body is the same as the 14" Plater's Special.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
14	350	18155	8591	5

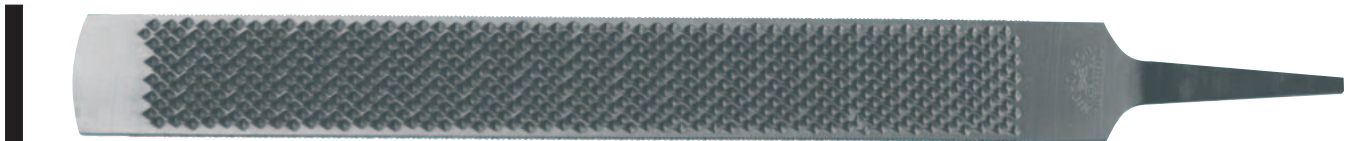
Horse Rasps – Tanged



- Rectangular shape
- Single-cut on edges
- Tanged
- Rasp teeth on 1 side, file teeth on opposite.
- Thicker than Plater's Special – ideal for hot rasping.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
12	300	18035	8165	6
14	350	18057	12020	6

Farrier Rasp – Double Extra Thin

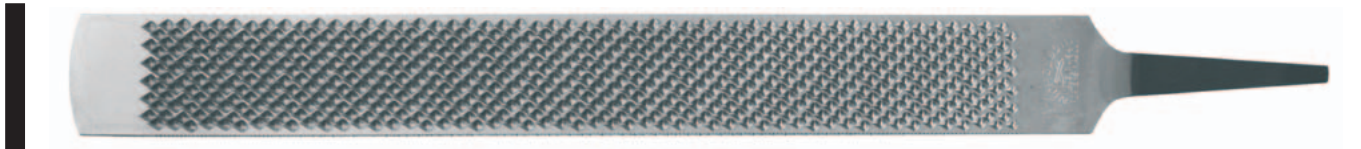


- Primarily for race track and other horses with light shoes.
- Both sides are safe $\frac{7}{8}$ " / 22 mm at point.
- Rasp teeth on 1 side, file teeth on opposite.
- Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row).
- Rectangular shape
- 18" rasp is specially designed for draft horses.
- Sharper than regular horse rasps.
- Double extra thin
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
14	350	18156N*	7428	6
14	350	18157	7428	6
14	350	HR14	7428	6
18	450	18180	9639	6

* Aggressive cut – Black Diamond® Brand

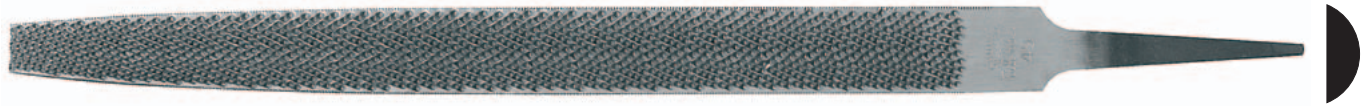
Magicut® Plater's Special Horse Rasp



- Maximum cutting surface design gives rapid removal and smoother finish.
- Single-cut on edges
- Opposite side has Nicholson's® unique Magicut® file pattern of narrow chip breakers created by steep and angled serrations.
- Rectangular shape
- Tooth design is cut deeper to last longer and cut much faster than conventional horse rasps.
- Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row).
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
14	350	18130	7144	6

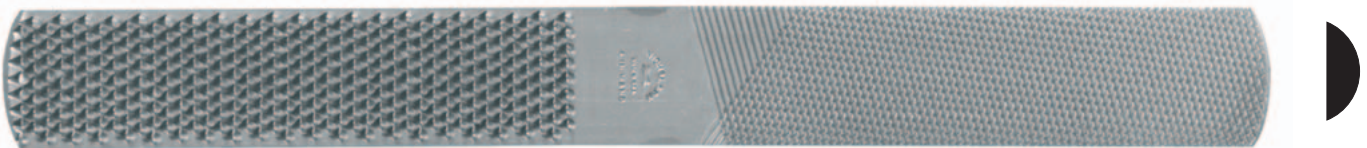
Pattern Maker's Cabinet Rasp



- Used primarily by cabinetmakers.
- Half-round shape
- Narrow pattern, cut edges
- Used when smooth wood finish is required.
- Boxed

Length		Type	Cut	Code No.	Weight per doz. g	Shelf Pack
Inch	mm					
10	250	49	Second cut	18846	1644	6

4-in-Hand® (Formerly Shoe Rasp)



- For the homeowner, home craftsman, boat builder and mechanic.
- Half-round shape
- Has file section and rasp section on both flat side and half-round side.
- Boxed

Length		Code No.	Weight per doz. g	Shelf Pack
Inch	mm			
8	200	18924	1871	6

Wood Rasps – Half Round



- Used by woodworkers, hobbyists and plumbers.
- Half-round shape
- Single-cut file teeth on edge.
- For use on wood and soft metals.
- Boxed

Length		Bastard Cut Code No.	Second Cut Code No.	Weight per doz. g	Shelf Pack
Inch	mm				
8	200	19394	19575	1559	12
10	250	19427	19593	2948	6
12	300	19460	–	4763	6

Wood Rasps Round Bastard



- Used for same purpose as regular wood rasps in places for which their shapes make them particularly effective.
- Round shape
- Bastard-cut
- Made from same size steel as round files.
- Boxed

Length		Diameter		Code No.	Weight per doz. g	Shelf Pack
Inch	mm	inch	mm			
8	200	$\frac{5}{16}$	8	19846	624	12
10	250	$\frac{3}{8}$	10	19875	1474	12

Nicholson™ X.F® Files Swiss Pattern

- Made to more exacting measurements than American pattern files.
- Made in finer cuts, which vary from No. 00 (coarsest) to No. 6 (finest).
- Used by tool and die makers, jewelers, model makers and home craftsman.
- Recommended for those who do superfine precision filing.

Barrette Files



- Double-cut, wide flat sides
- Flat on 1 side, backs are beveled on edges as indicated by cross section.
- Back and beveled edges are safe.
- Included angle is 33°.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
4	100	35025	00	255	12
4	100	35031	0	255	12

Half Round Files



- Used by tool and die makers, jewelers, model makers and home craftsman.
- Half-round shape
- Double-cut on both flat and half-round sides.
- Taper in thickness and width to point.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	36533	2	539	12
6	150	36545	4	539	12

Hand Files



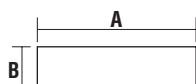
- Used by tool and die makers, jewelers, model makers and home craftsman.
- Rectangular shape
- Double-cut sides
- Cut numbers 0 and 2 are single-cut on 1 edge, other is safe.
- Parallel in width but taper in thickness.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	36755	2	1049	12
8	200	36785*	0	2070	6

*Discontinued, while quantity lasts

Needle Files

- Used primarily by jewellers, die makers, watchmakers and fine toolmakers.
- With round, knurled handles.



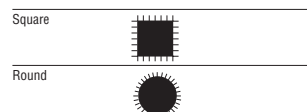
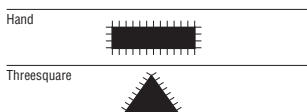
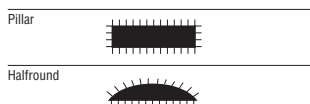
Assortments of 12 Shapes Packed in Protective Pouch

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
4	100	0014470402	2	116	1
5 1/2	140	0014470552	2	138	1
6 1/4	160	0014470600	0	148	1
6 1/4	160	0014470602	2	150	1

Length mm		A x B mm		Length mm		A x B mm		Length mm		A x B mm	
Pillar	100	3.5 x 0.9	4.0 x 1.1	Knife	100	3.4 x 0.9	4.8 x 1.1	Square	100	1.7	4.6 x 1.6
	140				140				140		
	160				160				160		
Halfround	100	3.8 x 1.1	5.0 x 1.4	Hand	100	5.4 x 1.5	5.4 x 1.5	Round	100	2.1	5.5 x 1.9
	140				140				140		
	160				160				160		
Crossing	100	3.5 x 1.4	5.6 x 1.7	Threesquare	100	2.8	3.5	Barrette	100	3.7 x 1.4	5.1 x 1.8
	140				140				140		
	160				160				160		
Slitting	100	4.6 x 1.6	5.5 x 1.9	Joint File round edges	100	3.8 x 1.2	4.8 x 1.2	Halfround, cut on back only	100	3.8 x 1.2	5.1 x 1.5
	140				140				140		
	160				160				160		









Assortments of 6 Shapes Packed in Protective Plastic Pouch

Length		Code No.	Cut No.	Weight g	Shelf Pack
Inch	mm				
6 1/4	160	0014471602	2	65	1



Needle Files

8 Individual Shapes, 12 Files in a Box

Shape		Length		Code No.	Cut No.	Weight g	Shelf Pack
		Inch	mm				
Pillar		6 1/4	160	0014210600	0	108	12
		6 1/4	160	0014210602	2	96	12
Hand		6 1/4	160	0014220600	0	108	12
		6 1/4	160	0014220602	2	96	12
Halfround		6 1/4	160	0014230600	0	108	12
		6 1/4	160	0014230602	2	108	12
Threesquare		6 1/4	160	0014240600	0	96	12
		6 1/4	160	0014240602	2	96	12
Square		6 1/4	160	0014250600	0	84	12
		6 1/4	160	0014250602	2	84	12
Round		6 1/4	160	0014260600	0	84	12
		6 1/4	160	0014260602	2	84	12
Knife		6 1/4	160	0014270600	0	96	12
		6 1/4	160	0014270602	2	96	12
Crossing		6 1/4	160	0014280600	0	120	12
		6 1/4	160	0014280602	2	120	12

Pillar Files



- Rectangular in shape
- Double-cut on 2 sides only
- Safe edges
- Tapered in thickness
- Similar in shape to hand files but only 2/3 as wide.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	39911	2	737	12
6	150	39923	4	737	12
8	200	39935	0	1588	6
8	200	39947	2	1588	6

Pillar Narrow Files



- Rectangular shape
- Narrow
- Double-cut on 2 sides only
- Safe edges
- Similar to pillar files but are narrower for their length.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	40076	0	567	12
6	150	40088	2	567	12

Three Square Files



- Triangular in section with angles of 60°.
- Double-cut on three sides, single-cut on edges.
- Taper to point and have sharp corners.
- Boxed

Length		Code No.	Cut No.	Weight per doz. g	Shelf Pack
Inch	mm				
6	150	41498	2	737	12

Nicholson™ Curved Tooth Files

- Made on specially designed and improved Nicholson™ machinery.
- Fitted for smooth, rapid work on cast iron, bronze, lead, babbitt, aluminum, zinc, plastics and any steel up to the hardness of annealed tool steel.
- Pitch and rake designed to avoid pinning and to provide smoothest finish.
- Superior® milled tooth files.

Flexible Files (Without Tang)



- Ideal for smooth, rapid work on cast iron, bronze, lead, babbitt, aluminum, zinc, plastics and any steel up to the hardness of annealed tool steel.
- Rectangular shape
- Curved-cut
- Pitch and rake designed to avoid pinning and to provide smoothest finish.
- Boxed

Length		Code No.	No. of Teeth Per Inch/Cut	Weight per doz. g	Shelf Pack
Inch	mm				
12	300	20138	10/Standard	2495	6
14	350	20205	12/Fine	3204	6

Milled Tooth Bodifiles



- Ideal for smooth, rapid work on cast iron, bronze, lead, babbitt, aluminum, zinc, plastics and any steel up to the hardness of annealed tool steel.
- Rectangular shape
- Curved-cut
- Pitch and rake designed to avoid pinning and to provide smoothest finish.
- Boxed

Length		Type	Code No.	No. of Teeth Per Inch/Cut	Weight per doz. g	Shelf Pack
Inch	mm					
14	350	50-908	20189	8/Standard	3204	6

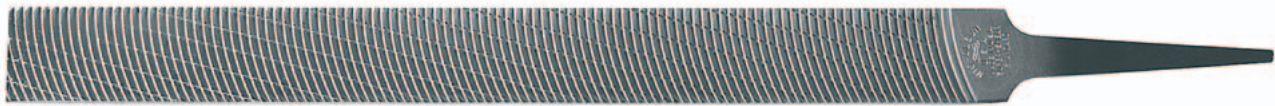
Flat Files – Rigid Type (With Tang)



- Ideal for smooth, rapid work on cast iron, bronze, lead, babbitt, aluminum, zinc, plastics and any steel up to the hardness of annealed tool steel.
- Rectangular shape
- Curved-cut
- Rigid type with tang
- Pitch and rake designed to avoid pinning and to provide smoothest finish.
- Boxed

Length		Code No.	No. of Teeth Per Inch/Cut	Weight per doz. g	Shelf Pack
Inch	mm				
12	300	20342	10/Standard	4224	6
14	350	20393	8/Standard	6747	6

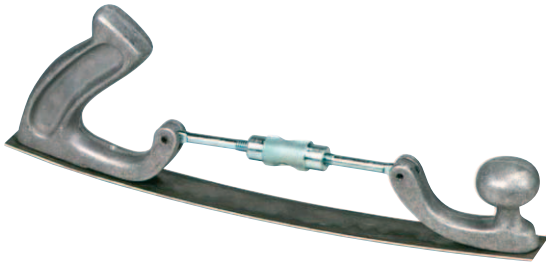
Super Shear®



- A double purpose milled curved tooth file – different and exclusive with Nicholson™.
- Rectangular shape
- Curved-cut
- Teeth cut in an off center arc to permit fast cutting.
- Wide industrial usage on flat and convex surfaces of aluminum, brass, babbitt, bronze, copper, magnesium, iron, annealed steel, soft metal alloys, plastics, hard rubber and hardwood.
- Smooths as it roughs.
- Boxed

Length		Code No.	No. of Teeth Per Inch/Cut	Weight per doz. g	Shelf Pack
Inch	mm				
10	250	21067	12/Standard	2665	6
12	300	21118	10/Standard	4224	6

Adjustable Flexible File Holder No. 25



- For curved tooth files without tang.
- Can be used with either 12" or 14" files.
- Easily adjusted for curving file outward or inward.
- Boxed

No.	Code No.	Weight per doz. g	Shelf Pack
25	21272	907	1

Ergonomic File Handle



- 5 Interchangeable cushion inserts are designed to fit most popular files.
- Rubber-coated ergonomic shape for better comfort and control.
- Rear taper, wide middle and flared neck increases push force.
- Bagged

Code No.	Description	Weight per Shelf Pack g	Shelf Pack
0010000150	Ergonomic File handle and inserts	350	6

File Handles – Plastic



- Handle made of strong high-impact material, contoured to fit hand for straight, lathe and draw filing.
- Non-slip textured finish for easier grip.
- Bulk packed
- Suitable for file:
 - No. 1: 6" files, 8" round and square
 - No. 2: 8" and 10" files, 6" threesquare and regular taper
 - No. 3: 12" files

Type	Code No.	Description	Weight g	Shelf Pack
No. 1	0010000116	File handle with insert	25	50
No. 2	0010000118	File handle with insert	32	50
No. 3	0010000120	File handle with insert	50	50

Wooden File Handles – Metal Ferruled

- Made from close grain hardwood with strong nickel-plated metal ferrules.
- Varnished finish
- Bulk packed



Length mm	Diameter mm	Code No.	For File Length		Weight g	Shelf Pack
Inch	mm					
110	12	0010000012	4	100	56	1
111	14	0010000014	5	125	60	1
113	16	0010000016	6	150	64	1
117	18	0010000018	7	175	68	1
120	20	0010000020	8	200	72	1
134	22	0010000022	9	225	76	1
134	24	0010000024	10	250	80	1
140	26	0010000026	12	300	84	1
160	28	0010000028	14	350	88	1

Sleeves for Files – Plastic

- For files without handle.
- With hang hole for easy storage.

Code No.	For File Length		Weight per doz. g	Shelf Pack
Inch	mm			
0010000204	4	100	24	12
0010000206	6	150	38	12
0010000208	8	200	72	12
0010000210	10	250	108	12
0010000212	12	300	156	12

5 Piece Ergonomic File Set

- Assortment of machinist's files.
- With ergonomic, co-molded handle.
- Consist of Square, Round, Halfround, Hand and Threesquare.



Type	Length		Cut	Code No.	Weight g	Shelf Pack
	Inch	mm				
NFK1	8	200	2nd cut	0012990800	750	6
NFK2	10	250	2nd cut	0012991000	930	6

3 Piece Ergonomic File / Rasp Set



- With ergonomic, co-molded handle
- Consist of:
Hand File, Bastard, 8" / 200 mm;
Round File, Bastard, 8" / 200 mm;
Halfround Woodrasp, 2nd cut, 8" / 200 mm;

Type	Code No.	Weight in g	Shelf Pack
NFK6	0012990820	588	6

4"/100 mm File Assortment



- With wooden handle
- Six files in metal box or in plastic pouch.
- Consist of:
Hand, Warding, Half Round, Square,
Round and Slim Taper

Length Inch mm	Packed	Cut	Code No.	Weight g	Shelf Pack
4 100	Metal Box	Bastard	0012991410	150	1
4 100	Plastic Pouch	Bastard	0012991411	110	1
4 100	Metal Box	2nd cut	0012991420	150	1
4 100	Plastic Pouch	2nd cut	0012991422	110	1
4 100	Metal Box	Smooth	0012991430	150	1
4 100	Plastic Pouch	Smooth	0012991433	110	1

Hobby Files



- Assortment of 6 miniature files with fine cut for intricate work.
- Consist of:
Equaling, Half Round, Flat, Round, Square,
and Threesquare
- Handy vinyl case vacuum packed on hang up card.
- Ideal for handycrafts and hobbies.

Length Inch mm	Description	Code No.	Weight per Shelf Pack g	Shelf Pack
5 1/2 140	Assorted	42030	340	3