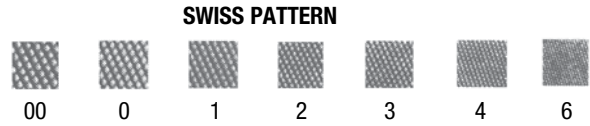


TECH INFORMATION

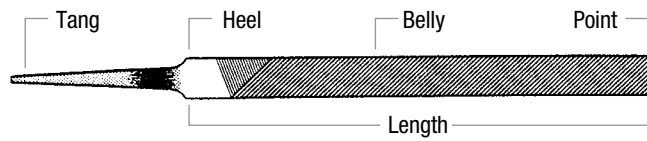
File Terminology

COARSENESS



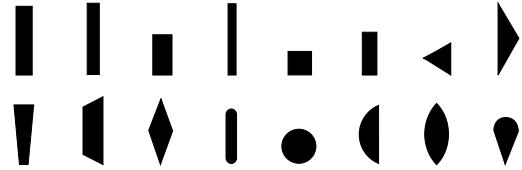
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4,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

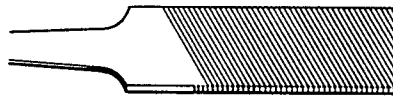
SHAPE



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

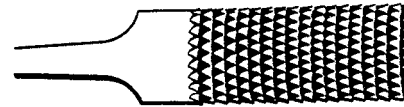
Kinds of Teeth

SINGLE-CUT



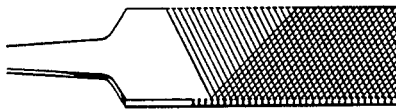
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



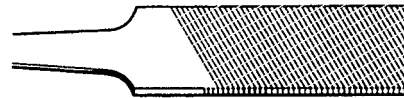
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



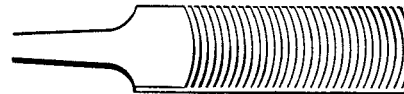
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes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

Safety Information

	⚠ WARNING Wear safety goggles to protect your eyes. Never use a file without a tight fitting handle.
	⚠ AVERTISSEMENT Porter des lunettes de protection. Ne jamais utiliser une lime sans poignée bien ajustée.
	⚠ ADVERTENCIA Use gafas de seguridad para proteger sus ojos. Nunca utilice una lima con el mango suelto.

⚠ WARNING	⚠ AVERTISSEMENT	⚠ ADVERTENCIA
	Risk Of Eye Injury Wear ANSI Approved Eye Protection	Risque de dommages d'oeil Protection d'oeil approuvée de l'usage A.N.S.I.
	Riesgo de lesión del ojo Protección de ojo aprobada del desgaste ANSI	

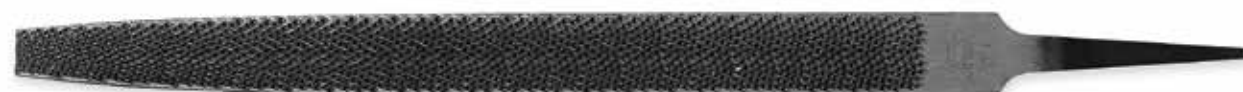
Magicut® Plater's Special Horse Rasp



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

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18130N	037103219534	Boxed	14 in	Rasp/Magicut®	1.35 lb	6
18153N	037103219480	Pouch	14 in	Rasp/Magicut®	1.45 lb	6

Pattern Maker's Cabinet Rasps



- American pattern rasp, pattern maker's cabinet
- Used primarily by cabinetmakers
- Half-round shape
- Narrow pattern, cut edges
- Used when smooth wood finish is required

Cat. No.	UPC No.	Packaging	Length	File Cut	Code No.	Product Weight	Shelf Pack Qty.
18846N	037103219640	Boxed	10 in	Second	49	0.25 lb	6
18861N	037103219626	Boxed	10 in	Smooth	50	0.25 lb	6

4-in-Hand (Formerly Shoe Rasp)



- For the Homeowner, Home Craftsman, Boat Builder And Mechanic
- Half-Round Shape
- Has the File Section And Rasp Section on Both Flat Side And Half-Round Side

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
18924N	037103219763	Boxed	8 in	Rasp/Single/Double	0.35 lb	6
21860N	037103219848	Carded	8 in	Rasp/Single/Double	0.36 lb	6
19013N	037103219787	Boxed	9 in	Rasp/Single/Double	0.60 lb	6
21870N	037103219862	Carded	9 in	Rasp/Single/Double	0.40 lb	6
18962N	037103219794	Boxed	10 in	Rasp/Single/Double	0.60 lb	6
18960N	037103219909	Carded	10 in	Rasp/Single/Double	0.63 lb	6