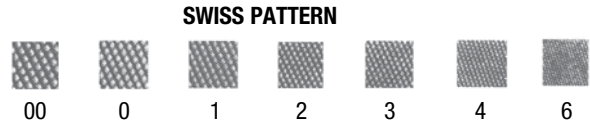


TECH INFORMATION

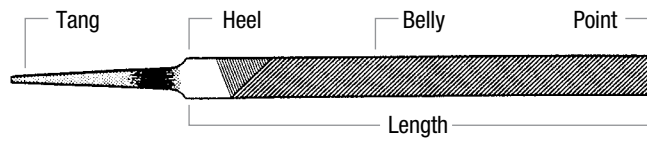
File Terminology

COARSENESS



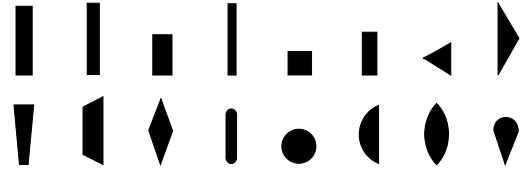
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4,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

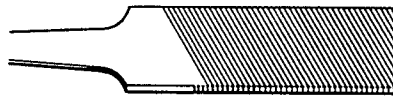
SHAPE



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

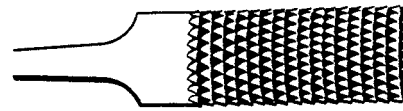
Kinds of Teeth

SINGLE-CUT



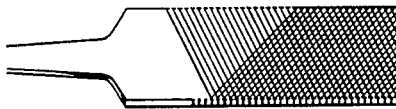
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



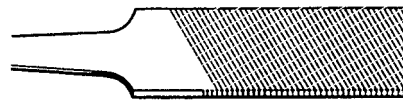
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



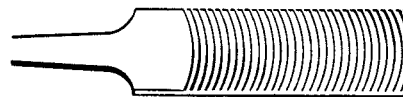
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes 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	Riesgo de lesiones del ojo
Wear ANSI Approved Eye Protection	Risque de dommages d'oeil	Protección de ojo aprobada del desgaste ANSI
	Protection d'oeil approuvée de l'usage A.N.S.I.	

Wood Rasps Round Bastard



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

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
19846	037103198464	Boxed	8 in	Bastard	0.15 lb	12
19875	037103198754	Boxed	10 in	Bastard	0.26 lb	12

Diamond Horse Rasps



- Superior performance in both wet and dry conditions
- Resists clogging due to the angled tooth face
- Both sides are safe 7/8"/22mm at point
- Rasp teeth on 1 side, file teeth on opposite, single cut on edges
- Rasp side allows for aggressive, but controlled hoof removal
- File side produces a consistent smooth finish
- Rectangular shape
- Sharper than regular horse rasps
- HR15 (Outlaw) rasp is less aggressive, but extremely durable for long life

Cat. No.	UPC No.	Length	File Cut	Product Weight	Shelf Pack Qty.
HR14N	037103219510	14 in	Rasp/File	1.40 lb	6
HR15	037103206343	14 in	Rasp/Double	1.65 lb	6

Barrette Files



- Made to More Exacting Measurements Than American Pattern Files
- Used By Tool and Die Makers, Jewelers, Model Makers, Home Craftsman
- Recommended for Those Who Do Superfine Precision Filing
- 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°

Cat. No.	UPC No.	Packaging	Length	File Cut	Product Weight	Shelf Pack Qty.
35025N	037103241900	Boxed	4 in	00	0.05 lb	12
35031N	037103241917	Boxed	4 in	0	0.05 lb	12
35061N	037103241924	Boxed	6 in	0	0.10 lb	12
35073N	037103241931	Boxed	6 in	2	0.10 lb	12