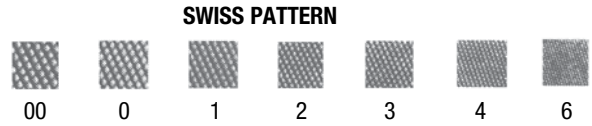


TECH INFORMATION

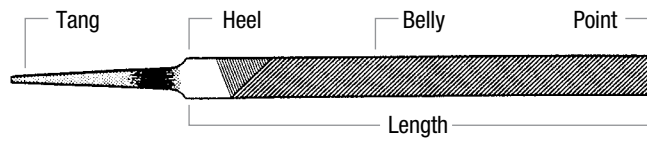
File Terminology

COARSENESS



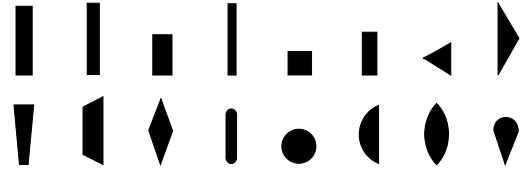
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4,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

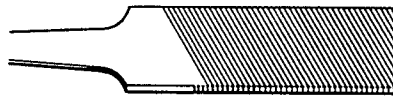
SHAPE



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

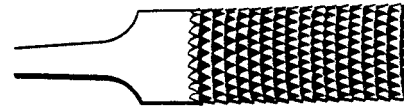
Kinds of Teeth

SINGLE-CUT



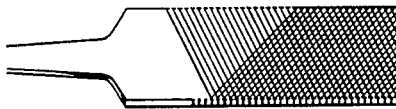
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



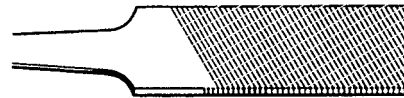
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



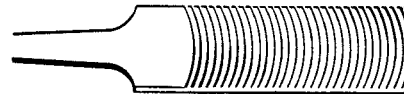
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes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

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

<b>⚠ WARNING</b>	<b>⚠ AVERTISSEMENT</b>	<b>⚠ ADVERTENCIA</b>
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

## Flat Files



- American Pattern Flat File, Bastard Cut
- Used By Machinists, Machinery Builders, Ship and Engine Builders
- Also By 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

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
03367N	037103242600	Boxed	4 in	No	Bastard	0.03 lb	12
03401N	037103242617	Boxed	4 in	No	Second	0.03 lb	12
03434N	037103242624	Boxed	4 in	No	Smooth	0.03 lb	12
03467N	037103242631	Boxed	6 in	No	Bastard	0.10 lb	12
03500N	037103242648	Boxed	6 in	No	Second	0.10 lb	12
03533N	037103242655	Boxed	6 in	No	Smooth	0.10 lb	12
03534N	037103242662	Carded	6 in	No	Smooth	0.15 lb	6
03566N	037103242679	Boxed	8 in	No	Bastard	0.25 lb	12
03599N	037103242686	Boxed	8 in	No	Second	0.25 lb	12
03632N	037103242693	Boxed	8 in	No	Smooth	0.25 lb	12
03633N	037103242709	Carded	8 in	No	Smooth	0.25 lb	6
03665N	037103242716	Boxed	10 in	No	Bastard	0.45 lb	6
03698N	037103242723	Boxed	10 in	No	Second	0.45 lb	6
03731N	037103242730	Boxed	10 in	No	Smooth	0.45 lb	6
03732N	037103242747	Carded	10 in	No	Smooth	0.60 lb	6
03762N	037103242754	Carded	12 in	No	Bastard	0.75 lb	6
03764N	037103242761	Boxed	12 in	No	Bastard	0.80 lb	6
03797N	037103242778	Boxed	12 in	No	Second	0.80 lb	6
03830N	037103242785	Boxed	12 in	No	Smooth	0.80 lb	6
03863N	037103242792	Boxed	14 in	No	Bastard	1.10 lb	6
03896N	037103242815	Boxed	14 in	No	Second	1.10 lb	6
03929N	037103242808	Boxed	14 in	No	Smooth	1.10 lb	6
03980N	037103242822	Boxed	16 in	No	Bastard	2.00 lb	6
21748HN	037103243485	Carded	8 in	Yes	Bastard	0.35 lb	6
21862N	037103243591	Carded	8 in	No	Bastard	0.20 lb	3
21867N	037103243607	Carded	6 in	No	Bastard	0.15 lb	3
21868HN	037103243614	Carded	10 in	Yes	Bastard	0.60 lb	3
21868N	037103243621	Carded	10 in	No	Bastard	0.48 lb	3