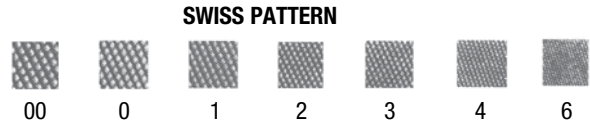


TECH INFORMATION

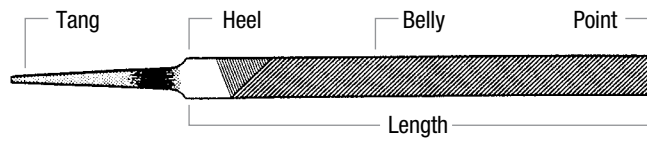
File Terminology

COARSENESS



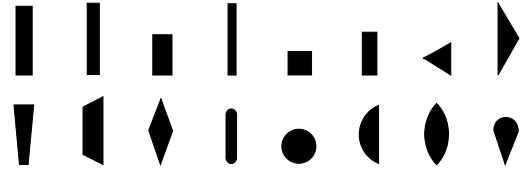
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4,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

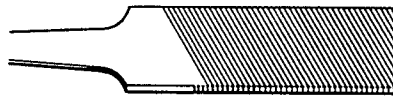
SHAPE



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

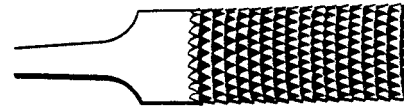
Kinds of Teeth

SINGLE-CUT



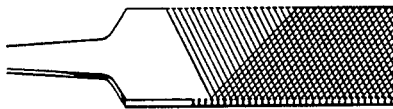
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



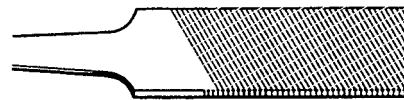
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



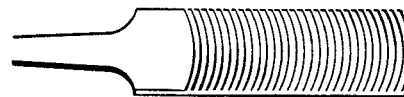
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes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

## Mill Files



- American Pattern Mill File, Bastard Cut
- Used for Sharpening Mill or Circular Saws
- Also for Draw-Filing and Finishing Metals
- Rectangular Shape
- Single Cut on Sides and Edges
- 2 Square Edges
- All Sizes Taper Slightly in Width

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
08243N	037103243003	Boxed	4 in	No	Bastard	0.03 lb	12
08306N	037103243010	Boxed	4 in	No	Smooth	0.03 lb	12
08354N	037103243027	Boxed	6 in	No	Bastard	0.10 lb	12
08385N	037103243041	Boxed	6 in	No	Second	0.10 lb	12
08416N	037103243058	Boxed	6 in	No	Smooth	0.10 lb	12
08497N	037103243065	Boxed	8 in	No	Bastard	0.25 lb	12
08529N	037103243089	Boxed	8 in	No	Second	0.25 lb	12
08559N	037103243096	Carded	8 in	No	Smooth	0.25 lb	6
08560N	037103243102	Boxed	8 in	No	Smooth	0.25 lb	12
08642N	037103243119	Boxed	10 in	No	Bastard	0.45 lb	12
08673N	037103243133	Boxed	10 in	No	Second	0.45 lb	12
08702N	037103243140	Carded	10 in	No	Smooth	0.60 lb	6
08704N	037103243157	Boxed	10 in	No	Smooth	0.45 lb	12
08737N	037103243164	Boxed	12 in	No	Bastard	0.80 lb	6
08768N	037103243171	Boxed	12 in	No	Second	0.80 lb	6
08799N	037103243188	Boxed	12 in	No	Smooth	0.80 lb	6
08832N	037103243195	Boxed	14 in	No	Bastard	1.10 lb	6
08894N	037103243201	Boxed	14 in	No	Smooth	1.10 lb	6
08925N	037103243225	Boxed	16 in	No	Bastard	2.00 lb	6
21687HN	037103243416	Carded	6 in	Yes	Bastard	0.25 lb	6
21687N	037103243423	Carded	6 in	Yes	Bastard	0.25 lb	6
21694HN	037103243447	Carded	8 in	Yes	Bastard	0.35 lb	6
21694N	037103243454	Carded	8 in	Yes	Bastard	0.35 lb	6
21701HN	037103243461	Carded	10 in	Yes	Bastard	0.60 lb	6
21701N	037103243478	Carded	10 in	Yes	Bastard	0.60 lb	6
21825N	037103243508	Carded	6 in	No	Bastard	0.18 lb	6
21832N	037103243515	Carded	8 in	No	Bastard	0.25 lb	6
21839N	037103243546	Carded	10 in	No	Bastard	0.60 lb	6
21842HN	037103243553	Boxed	12 in	Yes	Bastard	0.80 lb	-
21842N	037103243560	Carded	12 in	No	Bastard	0.72 lb	3