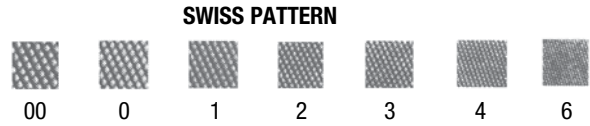


TECH INFORMATION

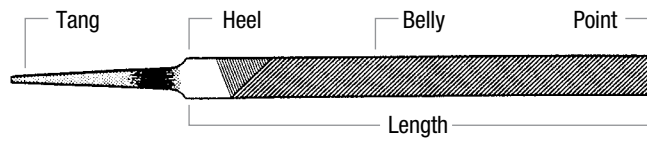
File Terminology

COARSENESS



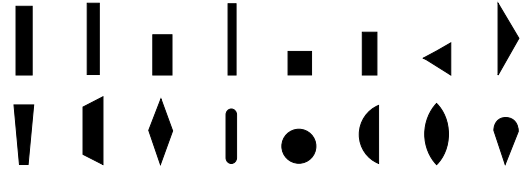
- Work to be accomplished, whether roughing or finishing, will determine type of teeth and coarseness for each application
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4,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

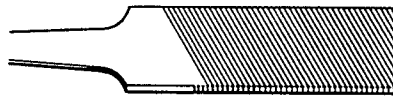
SHAPE



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

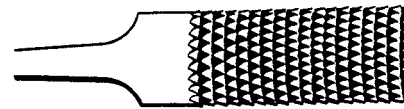
Kinds of Teeth

SINGLE-CUT



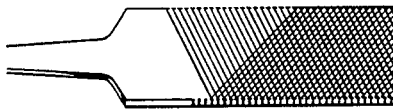
- Single set of parallel, diagonal rows of teeth
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws

RASP-CUT



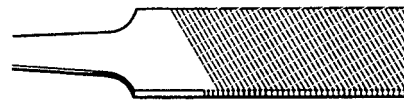
- Series of individual teeth which are formed by a single-pointed tool
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead

DOUBLE-CUT



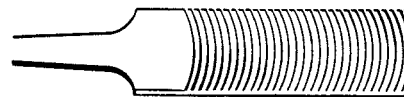
- 2 sets of diagonal rows of teeth
- Second set of teeth cut in opposite diagonal direction and on top of the first set
- First set of teeth is known as the overcut, second is known as upcut
- Upcut is finer than overcut
- Double-cut file is used with heavier pressure than the single-cut and removes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

Half Round Files



- Used on Concave, Convex and Flat Surfaces
- Flat Sides of All Half-Round Files Are Double Cut
- Rounded on 1 Side, Flat on Opposite
- Pipeliner file (#05190N) is single-cut on both sides

Cat. No.	UPC No.	Packaging	Length	Handled	File Cut	Product Weight	Shelf Pack Qty.
04695N	037103218513	Boxed	4 in	No	Bastard	0.06 lb	12
04729N	037103218407	Boxed	4 in	No	Second	0.06 lb	12
04762N	037103218414	Boxed	4 in	No	Smooth	0.06 lb	12
04795N	037103218520	Boxed	6 in	No	Bastard	0.13 lb	12
04798HN	037103218957	Carded	6 in	Yes	Bastard	0.36 lb	6
04828N	037103218438	Boxed	6 in	No	Second	0.10 lb	12
04861N	037103218445	Boxed	6 in	No	Smooth	0.10 lb	12
04896N	037103218551	Boxed	8 in	No	Bastard	0.27 lb	12
04927N	037103218568	Boxed	8 in	No	Second	0.25 lb	12
04960N	037103218728	Boxed	8 in	No	Smooth	0.25 lb	12
04995N	037103218803	Boxed	10 in	No	Bastard	0.55 lb	6
05026N	037103218612	Boxed	10 in	No	Second	0.49 lb	6
05059N	037103218827	Boxed	10 in	No	Smooth	0.53 lb	6
05090N	037103219015	Carded	12 in	No	Bastard	0.90 lb	6
05094N	037103218650	Boxed	12 in	No	Bastard	0.85 lb	6
05125N	037103218841	Boxed	12 in	No	Second	0.90 lb	6
05158N	037103218889	Boxed	12 in	No	Smooth	0.95 lb	6
05190N	037103218940	Boxed	14 in	No	Bastard	1.50 lb	6
05194N	037103218926	Boxed	14 in	No	Bastard	1.25 lb	6
05225N	037103218933	Boxed	14 in	No	Second	1.27 lb	6
05258N	037103218711	Boxed	14 in	No	Smooth	1.28 lb	6
05307N	037103218018	Boxed	16 in	No	Bastard	1.99 lb	6
21745HN	037103219039	Carded	8 in	Yes	Bastard	0.40 lb	6
21745N	037103219022	Carded	8 in	Yes	Bastard	0.40 lb	6
21746HN	037103219046	Carded	10 in	Yes	Bastard	0.69 lb	6
21857N	037103219077	Carded	8 in	No	Bastard	0.30 lb	6
21858N	037103219091	Carded	10 in	No	Bastard	0.56 lb	6
21881N	037103219114	Carded	6 in	No	Bastard	0.15 lb	6