

SIMONDS **RED TANG** FILES

RED COLOR
IN THE TANG
TRADE-MARK
Reg. U. S. Pat. Off.

SIMONDS RED TANG FILES



One of the oldest and most widely used small cutting tools, the File has developed into an essential modern metal cutting and surfacing implement for both general and precision work.

To make a first quality file requires skill, experience and up-to-date manufacturing facilities. Simonds "Red Tang" Files, famous for quality the world over, are the result of years of filemaking know-how combined with the most modern production methods and machinery.

Precision cut for uniform tooth height and sharpness; scientifically heat-treated and "prover-tested" for hardness, toughness and edge-holding ability; and carefully checked for uniformity, "Red Tang" Files remove more metal with less effort, wear better and stay sharp longer.

These are all reasons why it pays to ask for and get the one and only file with the distinctive "Red Tang"—the identifying mark of Simonds Grade A, first quality, money-saving file for machinists, for saw sharpening, and general use.

Things to Know about Files

Industrial files are divided into two classifications: single-cut and double-cut. A single-cut file has single rows of parallel teeth extending the length of the file at an angle across its face as shown below.

A double-cut file has two parallel rows of teeth crossing each other. The first row is usually coarser and deeper than the second row. The first row of teeth is known as the "over cut"; the second as the "up cut."

SINGLE CUT (8-inch Mill File)



Bastard

Second Cut

Smooth



DOUBLE CUT (10-inch Flat File)

SIMONDS RED TANG FILES

The teeth of a double-cut file are sharp points as shown here. For this reason they cut faster but not so smoothly as the single-cut. Most of the files used by machinists are double-cut.

Single- and double-cut files in general use are further classified according to the distance between the rows of teeth: Bastard, Second-cut, and Smooth. Those having the greatest space between the teeth are known as "Bastard" and the least as "Smooth."

The Following are Descriptive File Terms which are commonly used

- Length**—The distance between the point and the heel. The tang is not included in the length.
- Heel**—The end of the file that comes next to the handle.
- Point**—The end of the file opposite the tang.
- Tang**—The pointed part which is inserted into the wooden file handle.
- Back**—The rounded side of the half-round file.
- Safe**—Means that the side, back, or edge, to whichever it refers, is smooth with no teeth.
- Blunt File**—Has the same width and thickness from heel to point.
- Taper**—This term is applied to a file having tapering sides, to distinguish it from the blunt file.
- Set**—Blunting the sharp edges or corners of file blanks before and after the over cut to prevent weakness of the teeth.

Hints on Care and Use

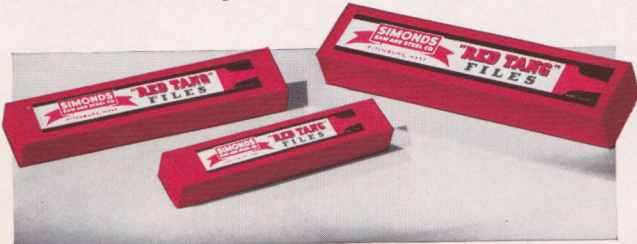
The file is one of the most generally used tools; respect it, handle it carefully.

When you want to see just where a file is cutting, change the direction of the stroke.

Hard spots and corners on iron castings dull new file teeth quickly. On such work first go over it a few times with an old file before putting your good file on the work. It is file economy.

Keep your files clean. Clean files cut faster and last longer. They may be easily cleaned with a file card or stiff fibre brush.

The oil with which new files are lightly coated should be removed before using the file on cast iron—this will make the teeth cut more easily. On fibrous material the oil helps.



"Red Tang" Files come packed in distinctive red boxes.

Draw filing is done by holding the file at about a right angle with, and moving it sidewise over the length of the work.

Don't put pressure on the back stroke when filing.

Use just pressure enough to keep the file cutting. If allowed to slip or rub it will glaze the work and dull the teeth quickly.

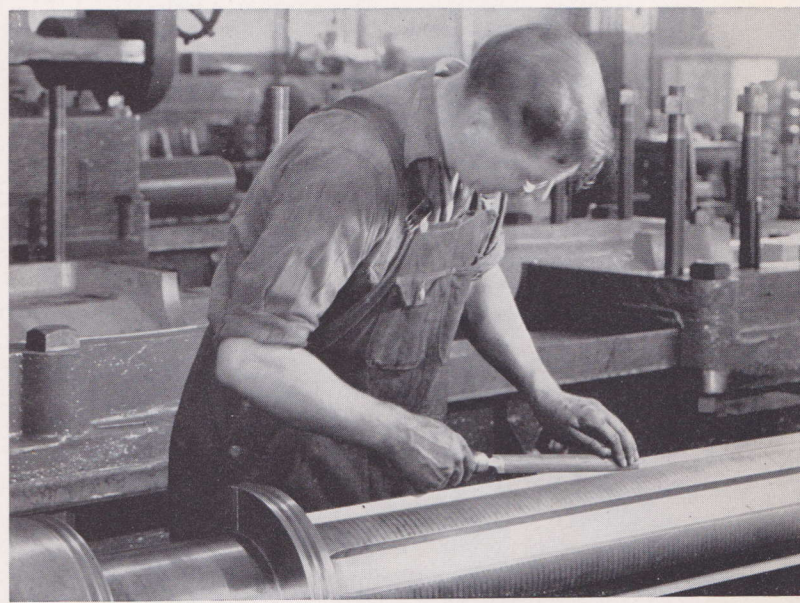
Why not have a rack for your files instead of throwing them in a heap?

Kerosene or gasoline will clean oil from file teeth.

Keep your files dry and free from rust.

Rubbing chalk in file teeth helps when making fine, smooth cuts.

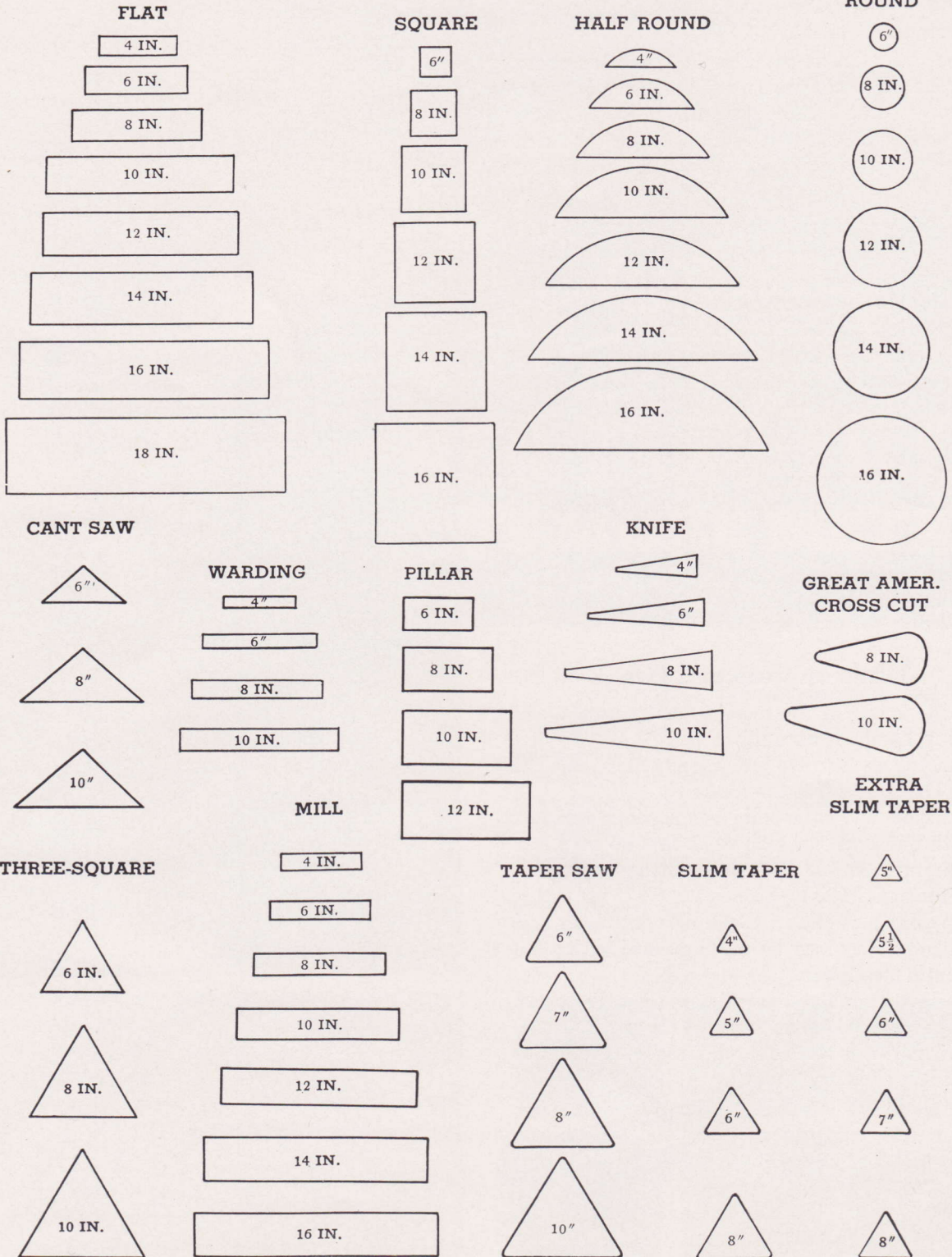
Regular, or standard files have two divisions: saw files and machinists' files. Saw files are single-cut. Machinists' files are usually double-cut. A double-cut file will cut faster than a single-cut but the latter gives a smoother finish.



Chips (magnified) produced by a Simonds RED TANG FILE

SIMONDS RED TANG FILES

Cross Sectional Views of Commonly Used Files



SIMONDS RED TANG FILES



MILL FILE
Single Cut

This is one of the most generally used files because it is adaptable for so many purposes such as sharpening saws, farm tools, axes, etc. and for draw filing, lathe work and general shop use. Rectangular in cross section, this file tapers in width toward the point.

Length, Inches
Width and Thickness, Inches

4	6	7	8	10	12	14	16
$\frac{7}{16} \times \frac{5}{64}$	$\frac{5}{8} \times \frac{1}{8}$	$\frac{45}{64} \times \frac{1}{8}$	$\frac{13}{16} \times \frac{5}{32}$	$1 \times \frac{3}{16}$	$1\frac{3}{8} \times \frac{3}{8}$	$1\frac{3}{8} \times \frac{1}{4}$	$1\frac{7}{8} \times \frac{3}{8}$

All sizes furnished in Bastard, Second Cut and Smooth except 4", 7" and 16" which come in Bastard Cut only.



MILL FILE
Two Round Edges
Single Cut

Made with two round edges, this file is especially suited for sharpening inserted tooth wood saws and other types of circular saws. The round edge avoids damaging the gullet—helps maintain original round shape. Like the regular Mill File, this file tapers in width toward the point.

Length, Inches
Width and Thickness, Inches

6	8	10
$\frac{5}{8} \times \frac{1}{8}$	$\frac{13}{16} \times \frac{5}{32}$	$1 \times \frac{3}{16}$

Furnished in Bastard Cut only.



TAPER FILE
Single Cut

Triangular in shape and tapered toward the point, this file has cut edges or corners, making it especially suited for filing circular saws and narrow band saws with coarse teeth. The cut edges avoid sharp angles and maintain original round saw gullets.

Length, Inches
Side, Inches

6	7	8	10
$\frac{1}{2}$	$\frac{7}{16}$	$\frac{5}{8}$	$\frac{3}{4}$



SLIM TAPER FILE
Single Cut

Smaller in cross section but same design as the Taper File, this file is most widely used for sharpening pulpwood and buck saws, narrow wood-cutting band saws and many types of handsaws.

Length, Inches
Side, Inches

4	5	6	7	8	10
$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{32}$	$\frac{1}{2}$	$\frac{10}{32}$



**EXTRA SLIM
TAPER FILE**
Single Cut

Same design as the Slim Taper File but smaller in cross section, this file is best for sharpening narrow band saws and handsaws with 8 to 14 teeth per inch.

<i>Length, Inches</i>	4	5	5 1/2	6	7	8
<i>Side, Inches</i>	1/8	3/32	1/4	9/32	11/32	13/32



**DOUBLE
EXTRA SLIM
TAPER FILE**
Single Cut

The smallest in cross section of the Taper File group, this file is mainly used to sharpen saws with 14 or more teeth per inch.

<i>Length, Inches</i>	4	5	6	7	8
<i>Side, Inches</i>	3/32	1/8	7/32	1/4	1/6



**BAND SAW
BLUNT FILE**
Single Cut

Designed for sharpening narrow wood band saws with coarse teeth, this file has each corner cut with three rows of parallel teeth blended together to fit into and maintain a large radius gullet. It is the same in cross section as the Taper File but does not taper toward the point. Furnished in Regular or Slim types.

<i>Length, Inches</i>	6	8	6	8
<i>Side, Inches</i>	1/2	5/8	3/8	1/2
		Regular		Slim



**SPECIAL NARROW
BAND SAW FILE**
Single Cut

As its name indicates, this triangular shape tapered file is especially designed for sharpening narrow wood band saws. It has cut edges or corners to maintain round gullets and is made in three cross sections for use on 2-tooth, 3-tooth or 4-, 5-, or 6-tooth saws.

<i>Length, Inches</i>	8	7	6	7
<i>Side, Inches</i>	5/8	1/2	3/8	3/8
	No. 2—For 2-tooth Saws	No. 3—For 3-tooth Saws	No. 456—For 4-, 5-, or 6-tooth Saws	

**SPECIAL HANDSAW
FILE**

Single Cut



Designed especially for use on handsaws, this file is the same in cross section as the Extra Slim Taper File, but does not taper toward the point. It has cut edges or corners to maintain round saw gullets.

Length, Inches $5\frac{1}{2}$
Side, Inches $\frac{1}{4}$

6

$\frac{9}{32}$

7

$\frac{11}{32}$



**SPECIAL CROSS-CUT
FILE**

Single Cut

Uniform in width, this special purpose file has a larger area of cutting surface than a Mill File and is an outstanding favorite for sharpening cross-cut saws. It produces a particularly smooth finish and keener cutting edges on saw teeth.

Length, Inches
Width and Thickness, Inches

6

$\frac{5}{8} \times \frac{1}{8}$

7

$\frac{43}{64} \times \frac{1}{8}$

8

$\frac{13}{16} \times \frac{5}{32}$

10

$1 \times \frac{3}{16}$



**GREAT AMERICAN
CROSS-CUT FILE**

Single Cut

This file is wedge-shaped with a rounded back. Although especially designed for sharpening Great American type Cross-cut Saws, it is widely used to file out gullets on many other types of cross-cut saws.

Length, Inches
Width and Thickness, Inches

8

$\frac{11}{16} \times \frac{9}{32}$

10

$\frac{13}{16} \times \frac{23}{64}$



CANT SAW FILE

Single Cut

Triangular in shape, with one side wider than the other two, this file is a big and growing favorite for sharpening all types of small circular saws and for filing buck saw blades and cross-cut raker teeth. It is uniform in width from heel to point.

Length, Inches
Width and Thickness, Inches

6

$\frac{17}{32} \times \frac{11}{64}$

8

$\frac{11}{16} \times \frac{1}{64}$

10

$\frac{13}{16} \times \frac{5}{16}$



FLAT FILE
Double Cut

Universally used by all machinists on many kinds of work, this type file is recommended for fast stock removal where a smooth finish is not required. It tapers toward the point in both width and thickness.

<i>Length, Inches</i>	4	6	8	10	12	14	16	18
<i>Width and Thickness, Inches</i>	$\frac{7}{16} \times \frac{7}{64}$	$\frac{5}{8} \times \frac{5}{32}$	$\frac{13}{16} \times \frac{7}{32}$	$1 \times \frac{1}{4}$	$1\frac{3}{16} \times \frac{7}{64}$	$1\frac{3}{8} \times \frac{1}{8}$	$1\frac{1}{2} \times \frac{1}{4}$	$1\frac{3}{4} \times \frac{2}{4}$

All sizes furnished in Bastard, Second Cut and Smooth except 18" which comes in Bastard Cut only.



HAND FILE
Double Cut

Uniform in width but tapered in thickness toward the point, this type file is similar to a Flat File but has one "safe" (uncut) edge. The "safe" edge enables the user to file one surface without damaging an adjoining one, making this file more suitable for certain filing jobs.

<i>Length, Inches</i>	6	8	10	12	14
<i>Width and Thickness, Inches</i>	$\frac{5}{8} \times \frac{5}{32}$	$\frac{13}{16} \times \frac{7}{32}$	$1 \times \frac{1}{4}$	$1\frac{3}{16} \times \frac{1}{4}$	$1\frac{3}{8} \times \frac{1}{4}$

All sizes furnished in Bastard, Second Cut and Smooth.



PILLAR FILE
Double Cut

This is a favorite file for use on slots and keyways because it has one "safe" (uncut) edge and it is narrower and thicker in cross section than a Hand File. It is uniform in width but tapers in thickness toward the point.

<i>Length, Inches</i>	6	8	10	12
<i>Width and Thickness, Inches</i>	$\frac{7}{16} \times \frac{7}{32}$	$\frac{9}{16} \times \frac{9}{32}$	$\frac{11}{16} \times \frac{11}{32}$	$\frac{13}{16} \times \frac{13}{32}$

All sizes furnished in Bastard, Second Cut and Smooth except 12" which comes in Bastard Cut only.



HALF ROUND FILE

This file provides a rounded as well as a flat side so that it can be used on concave as well as flat surfaces. Widely used by machinists everywhere, this type file is also popular in foundries where castings must be finished by filing. It is tapered in both width and thickness toward the point.

<i>Length, Inches</i>	4	6	8	10	12	14	16
<i>Width and Thickness, Inches</i>	$\frac{1}{16} \times \frac{1}{8}$	$\frac{5}{8} \times \frac{5}{32}$	$\frac{3}{4} \times \frac{7}{32}$	$1\frac{5}{16} \times \frac{9}{32}$	$1\frac{1}{8} \times \frac{11}{32}$	$1\frac{5}{16} \times \frac{13}{32}$	$1\frac{1}{2} \times \frac{29}{64}$

All sizes furnished in Bastard, Second Cut and Smooth except 16" which comes Bastard and Smooth only.



ROUND FILE

Designed for use on concave surfaces too small for a Half Round File and for enlarging round holes, this is another especially popular machinists' file. It tapers toward the point.

<i>Length, Inches</i>	4	6	7	8	10	12	14	16
<i>Diameter, Inches</i>	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{7}{16}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$

All sizes furnished in Bastard, Second Cut and Smooth except 7" and 16" which come in Bastard Cut only.



SQUARE FILE Double Cut

The four equal surfaces of this file make it especially handy for enlarging small rectangular holes such as slots and keyways. It is tapered toward the point.

<i>Length, Inches</i>	4	6	8	10	12	14	16
<i>Side, Inches</i>	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$

All sizes furnished in Bastard, Second Cut and Smooth except 16" which comes in Bastard Cut only.



THREE SQUARE FILE Double Cut

Triangular in shape, this file has 60° angles between sides so that it can be used to file internal angles inaccessible to rectangular type files. It tapers toward the point but has sharp corners so that it is not suitable for filing saws.

<i>Length, Inches</i>	6	8	10	12
<i>Side, Inches</i>	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$

All sizes furnished in Bastard, Second Cut and Smooth.



WARDING FILE

Double Cut

Used largely by locksmiths in fitting keys, this type file is also favored by machinists working on intricate shapes. Rectangular in design, it is uniform but very thin in thickness, and tapers extremely to the point.

<i>Length, Inches</i>	4	6	8	10
<i>Width and Thickness, Inches</i>	$\frac{1}{16} \times \frac{1}{16}$	$\frac{5}{8} \times \frac{5}{16}$	$\frac{25}{32} \times \frac{3}{32}$	$\frac{15}{16} \times \frac{1}{8}$

All sizes furnished in Bastard, Second Cut and Smooth.



KNIFE FILE

Double Cut

Shaped like a knife blade, this type file tapers to one sharp edge, making it especially useful in filing acute angles inaccessible to other type files. The back edge is "safe" (uncut).

<i>Length, Inches</i>	4	6	8	10
<i>Width and Thickness, Inches</i>	$\frac{15}{32} \times \frac{7}{16}$	$\frac{11}{16} \times \frac{5}{32}$	$\frac{7}{8} \times \frac{3}{16}$	$1 \frac{1}{16} \times \frac{1}{4}$

All sizes furnished in Bastard, Second Cut and Smooth.



LEAD FLOAT FILES

Single Cut

Designed especially for filing very soft materials, this type file can be used on lead and babbitt without clogging. It tapers in both width and thickness and is available in Flat and Half Round shapes.

<i>Length, Inches</i>	Flat		Half Round	
	8	10	8	10
<i>Width and Thickness, Inches</i>	$\frac{13}{16} \times \frac{7}{32}$	$1 \times \frac{1}{4}$	$\frac{3}{4} \times \frac{7}{32}$	$\frac{15}{16} \times \frac{9}{32}$
				12
				$1 \frac{1}{8} \times \frac{11}{32}$



ALUMINUM FILE
Double Cut

This file has teeth especially designed for use on many types of aluminum. It cuts without clogging and leaves a good finish. It tapers in both width and thickness and is available in Flat and Half Round shapes.

Length, Inches Width and Thickness, Inches	Flat			Half Round		
	6	8	10	12	14	14
	$\frac{5}{8} \times \frac{5}{32}$	$\frac{13}{16} \times \frac{7}{32}$	$1 \times \frac{1}{4}$	$1 \frac{3}{16} \times \frac{17}{64}$	$1 \frac{3}{8} \times \frac{19}{64}$	
	$\frac{5}{8} \times \frac{5}{32}$	$\frac{3}{4} \times \frac{7}{32}$	$\frac{15}{16} \times \frac{9}{32}$	$1 \frac{1}{8} \times \frac{11}{32}$	$1 \frac{5}{8} \times \frac{13}{32}$	



BRASS FILE
Double Cut

On most types of brass, this file cuts freely and leaves a smooth, scratch-free surface. It tapers in both width and thickness and is available in Half Round shape only.

Length, Inches Width and Thickness, Inches	Half Round	
	8	10
	$\frac{3}{4} \times \frac{7}{32}$	$\frac{15}{16} \times \frac{9}{32}$
		$1 \frac{1}{8} \times \frac{11}{32}$



FOUNDRY FILE
Double Cut

Designed and developed especially for snagging or rough-filing castings, this file is shaped like a Flat File but has sturdier teeth capable of withstanding foundry usage. It tapers in both width and thickness and is available in Flat and Half Round shapes.

Length, Inches Width and Thickness, Inches	Flat			Half Round		
	8	10	12	14	14	14
	$\frac{13}{16} \times \frac{7}{32}$	$1 \times \frac{1}{4}$	$1 \frac{3}{16} \times \frac{17}{64}$	$1 \frac{3}{8} \times \frac{19}{64}$		
					$\frac{3}{4} \times \frac{7}{32}$	$\frac{15}{16} \times \frac{9}{32}$
					$1 \frac{1}{8} \times \frac{11}{32}$	$1 \frac{5}{8} \times \frac{13}{32}$



LONG ANGLE LATHE FILE
Single Cut

As the name indicates, this file is designed especially for lathe work with the teeth cut on a long angle. It tapers toward the point in both width and thickness; has "safe" (uncut) edges; cuts fast and smooth without clogging.

Length, Inches Width and Thickness, Inches	10		12		14	
	1	$\frac{1}{4}$	$1 \frac{3}{16}$	$\frac{1}{8}$ <th>$1 \frac{3}{8}$</th> <th>$\frac{1}{4}$</th>	$1 \frac{3}{8}$	$\frac{1}{4}$
					$1 \frac{3}{16} \times \frac{17}{64}$	$1 \frac{3}{8} \times \frac{19}{64}$
						$1 \frac{5}{8} \times \frac{13}{32}$

SIMONDS RED TANG FILES

List Price per Dozen — Effective November 26, 1952

KIND	LENGTH—Inches											
	4	5	5½	6	7	8	9	10	12	14	16	18
	Packed One Dozen to the Box							Packed One-Half Dozen to the Box				
Aluminum	Flat			7.90		10.40		12.60	16.30	21.50		
	Half Round			15.60		17.80		20.00	23.70	29.60		
Band Saw	Regular			7.00		10.00						
	Blunt			5.80		7.90						
Brass	Half Round					17.80		20.00	23.70			
Bucksaw	Special			4.60								
Cant Saw				8.00		9.40		12.90				
Chain Saw	Round 3/16"					8.80						
	Round 1/4"					8.80						
	Round 5/16"					9.40						
	Round 3/8"					10.10						
	Square			7.10								
Cross-cut	Great American					11.10		13.50				
	Special			5.80	6.40	7.20		10.00				
Dado								11.00				
Double Ender					5.20	5.80	6.50	7.20				
Flat	Bastard	5.50		6.40		7.90		10.40	14.40	19.70	26.30	35.40
	Second Cut	6.40		7.10		9.00		12.00	16.30	22.70	29.80	
	Smooth	7.00		7.90		9.90		12.90	17.90	24.80	33.00	
Foundry	Flat					9.90		10.40	14.40	19.70		
	Half Round					11.10		13.50	17.40	22.90		
Gullet	Special					10.40		13.90				
Half Round	Bastard	7.10		9.00		11.10		13.50	17.40	22.90	30.50	
	Second Cut	8.30		10.00		12.30		14.90	19.30	25.20		
	Smooth	9.00		10.50		13.20		15.90	20.60	27.10	35.90	
Hand	Bastard			6.40		8.00		11.10	15.90	22.30		
	Second Cut			7.60		9.30		12.90	18.20	25.20		
	Smooth			8.30		9.90		13.90	20.00	27.00		
Handsaw	Special		5.60	6.70	8.00							
Knife	Bastard	8.00		10.20		12.60		14.90				
	Second Cut	9.00		11.10		13.50		17.00				
	Smooth	9.40		11.70		14.00		18.20				
Lead Float	Flat					9.30		12.70	17.40			
	Half Round					12.60		15.90	20.80			
Long Angle Lathe								12.70	17.40	23.70		

Prices Cancelled
Write For New Prices

Files for Stainless Steel are made in all shapes and sizes as regular purpose files, and are sold at regular list prices. To order, specify kind, shape and cut, and add that files are for use on Stainless Steel.

SIMONDS RED TANG FILES

List Price per Dozen — Effective November 26, 1952

KIND	LENGTH—Inches											
	4	5	5½	6	7	8	9	10	12	14	16	18
	Packed One Dozen to the Box								Packed One-Half Dozen to the Box			
Mill	Bastard	4.50			5.20	5.80	6.40	8.30	11.10	15.90	21.80	
	Second Cut				5.90		7.20	9.40	12.70	18.10		
	Smooth				6.70		8.00	10.40	13.90	19.40		
	Bastard—1 R.E.				5.80		7.10	9.30	12.40			
	Bastard—2 R.E.				6.50		8.00	10.40				
Narrow Band Saw	Special No. 2					10.00						
	Special No. 3				7.00	8.30						
	Special No. 456				5.80	6.70						
Pillar	Bastard				6.40		8.00	11.10	15.90			
	Second Cut				7.60		9.30	12.90				
	Smooth				8.30		10.00	13.90				
Round	Bastard	4.50			5.20	5.80	6.40	9.40	11.10	15.90	21.80	
	Second Cut	5.20			5.90			9.40	12.70	18.10		
	Smooth	5.80			6.70		8.00	10.40	13.90	19.40		
Saw Bit	Special					9.00						
Square	Bastard	5.60			6.80		8.10	11.00	15.10	20.60	27.80	
	Second Cut	6.80			7.60		9.30	12.60	17.00	23.80		
	Smooth	7.20			8.10		10.40	13.50	19.00	25.90		
Taper	Regular				5.00	6.40	8.00	12.00				
	Slim	3.30	3.70		4.60	5.60	6.70	9.40				
	Extra Slim	3.30	3.70	4.30	4.60	5.60	6.70					
	Double Ex. Slim	3.30	3.70		4.60	5.60	6.70					
Three Square	Bastard				9.00		11.10	13.50	17.40			
	Second Cut				10.00		12.30	14.90	19.30			
	Smooth				10.50		13.20	15.90	20.60			
Warding	Bastard	5.90			7.20		9.40	12.90				
	Second Cut	7.10			8.80		11.10	14.90				
	Smooth	8.00			9.40		12.20	16.30				

Prices Cancelled
Write For New Prices

RASPS	LENGTH—Inches						
	6	8	10	12	14	16	18
	Packed One Doz. to the Box			Packed One-Half Dozen to the Box			
Cabinet	Second Cut	14.90	19.00	25.90	33.80	43.90	
	Smooth	17.30	22.90	30.70	39.70	50.20	
Horse	Plain Half File						
	Regular				11.80	16.50	22.60
	Slim						23.90
	Tanged—Regular				21.40		
Shoe	Half Round		9.30	12.70			
Wood	Flat—Bastard		13.90	19.00	25.90	34.30	45.60
	Smooth			25.90	34.30		
	Half Round—						
	Bastard	12.00	14.90	20.30	27.80	36.70	48.70
	Smooth		20.30	27.80	36.70		

Prices Cancelled
Write For New Prices

These lists comprise all of the kinds, sizes, and cuts of files that will be regularly carried in stock. Anything differing from these files will be considered as special and will not be manufactured except in cases of urgent necessity; and when manufactured, price will be based strictly upon cost of material and cost of manufacture at time goods are made.

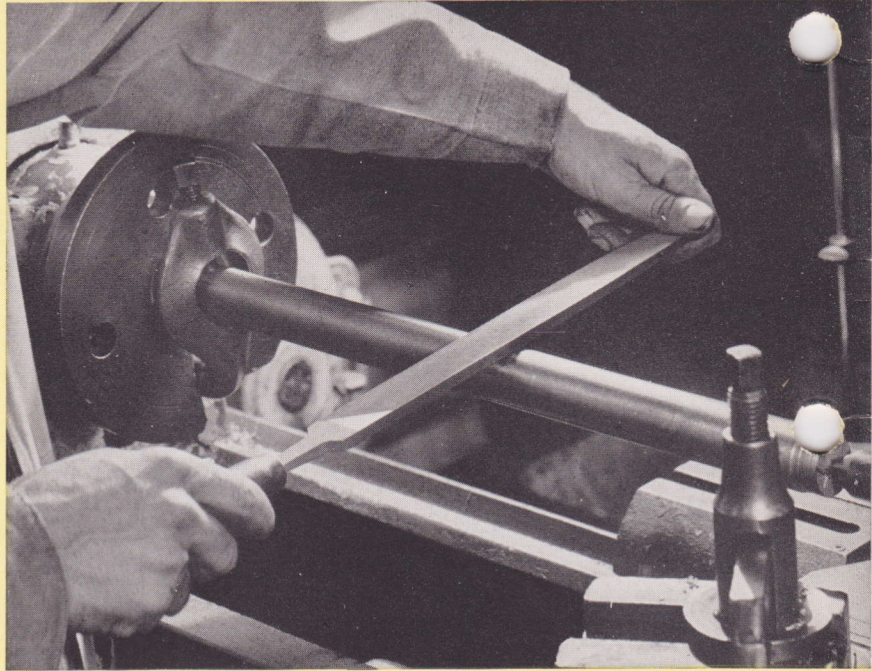
Write for Discounts

There's a Right SIMONDS FILE for the job . . .

In the metalworking industry files must do their work quickly, with as little effort for the operator as possible. Simonds has produced just such files to save countless hours on special jobs such as lathe, brass and aluminum filing. Whether you want a file to hold the gullet of a band saw to its most efficient shape or a file to remove aluminum from a casting, Simonds has the right file for the job.

**SIMONDS LONG ANGLE
LATHE FILE**

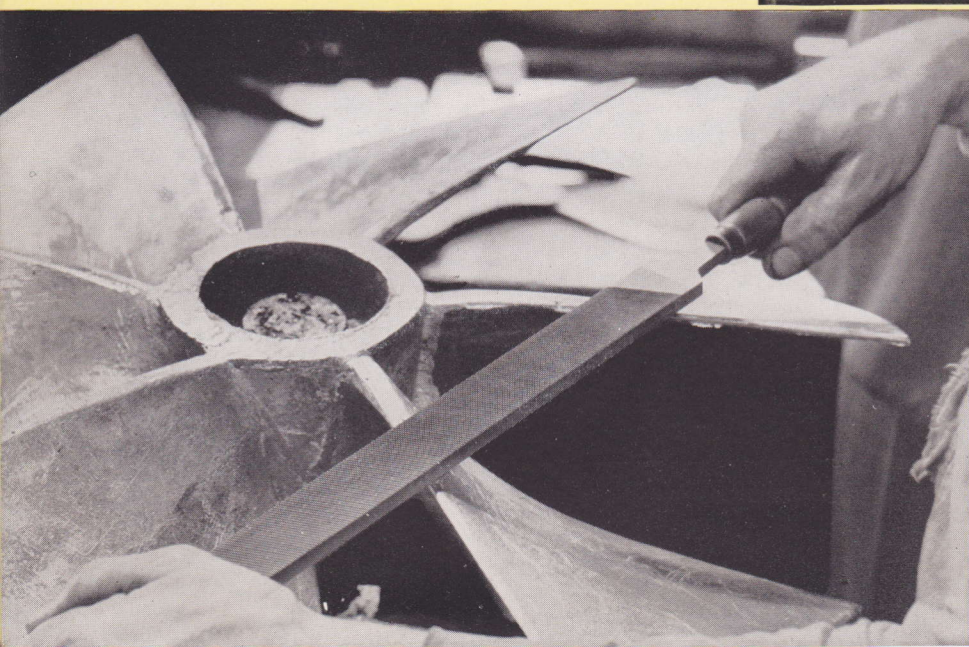
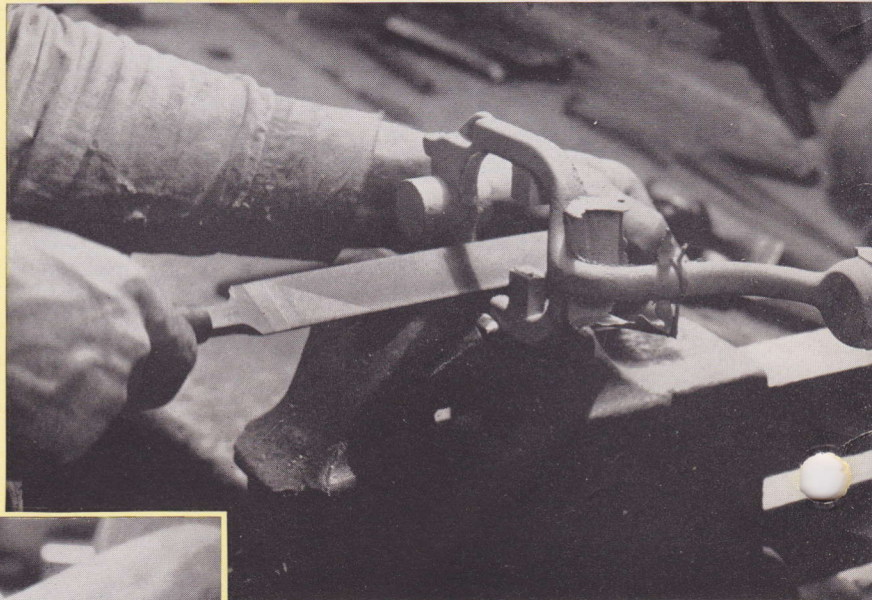
For good lathe work use a Simonds Long Angle Lathe File, specially designed to remove stock quickly without clogging. This file leaves the work exceptionally smooth. ➔



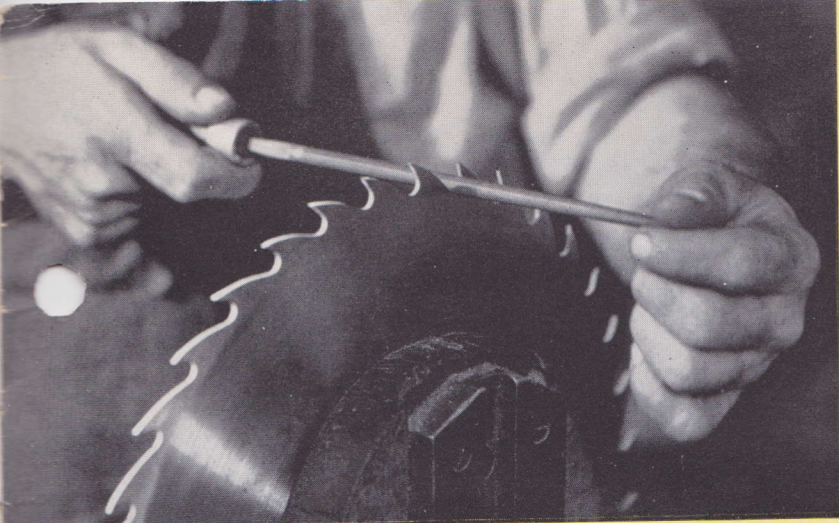
See Page I-11 for specifications
of files shown on this page.

SIMONDS BRASS FILE

On brass use a Simonds Brass File. Famous for its smooth, fast-cutting, and a great timesaver wherever brass is filed. ➔

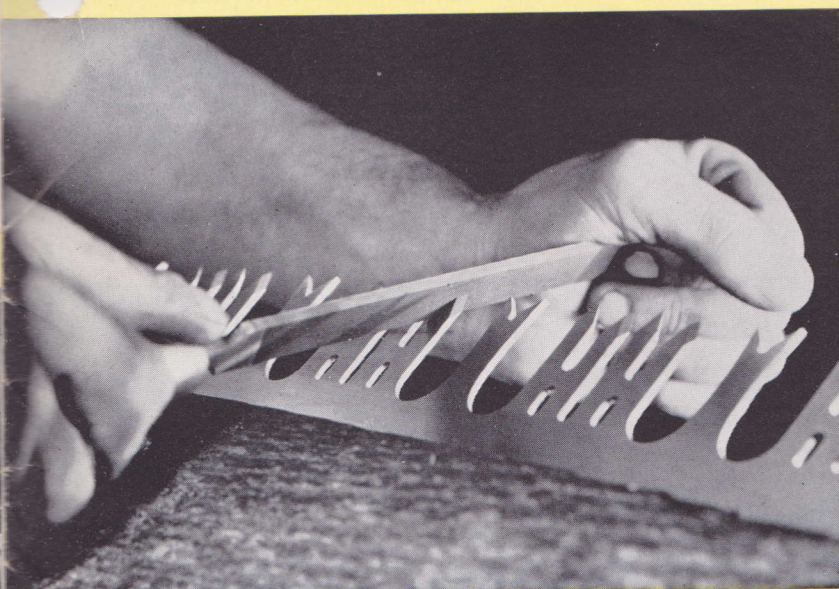
**SIMONDS ALUMINUM FILE**

With the greatly increased use of aluminum Simonds offers you a file of outstanding qualities. This file is specially designed to prevent chips sticking to the teeth, insuring utmost cutting efficiency. ➔



SIMONDS ROUND SECOND CUT FILE

Keep Circular Saw Gullets Round—use an 8- or 10-inch "Red Tang" Round Second Cut File to clean out the gullets. Sharp corners in the gullets are the most frequent cause of cracks. See Page I-9 for specifications.



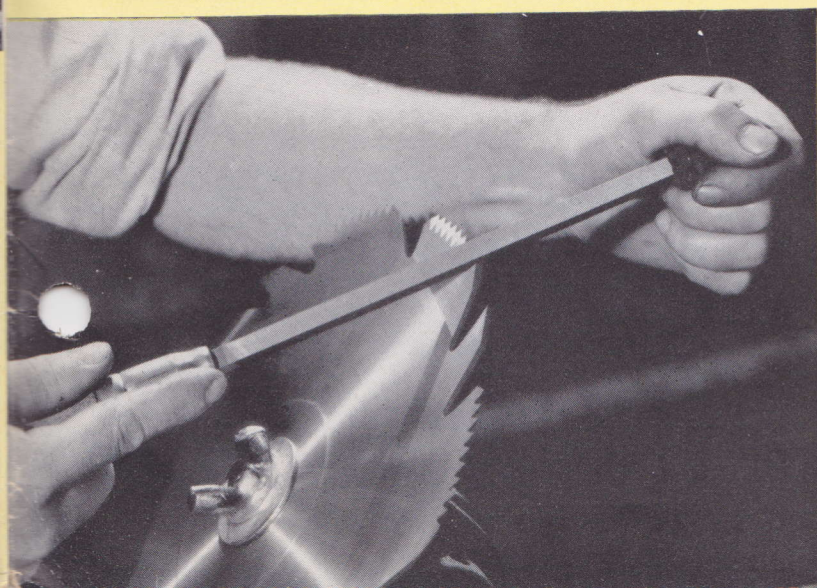
SIMONDS SPECIAL CROSS-CUT SAW FILE

Simonds "Red Tang" Special Cross-cut Saw File—was developed for filing cross-cut saws. Equal width from heel to point gives added filing surface for longer wear. Here is a file that does the job faster and easier and gives any saw a smoother, keener, longer-lasting point. See Page I-7 for specifications.



SIMONDS CANT SAW FILE

On Planer Saws—use an 8-inch "Red Tang" Cant Saw File as shown. This will help maintain the hook which is so necessary for fast cutting. See Page I-7 for specifications.



SIMONDS

Special Purpose Files

SIMONDS DADO FILE

On Dado Heads—use this specially designed single-cut file for sharpening cutting teeth. It leaves a smooth finish and its blunt, square shape maintains proper tooth shape. Keep rakers and fillers sharp with an 8- or 10-inch Mill Bastard File.

<i>Length</i>	<i>Size</i>
10"	$\frac{3}{8}$ "

SIMONDS RED TANG

AUTO BODY

FILES

ORDER BY
NUMBER

These files are specially designed and cut for use on sheet metal, solder and other soft metals in auto body repair shops, garages and automobile plants. Supplied in flat, bent and shell shapes for fast, smooth filing of flat and curved surfaces.

Blunt **SPECIAL BODY FILE (Blunt)**



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 15/32"	5/16"	2666	17 lbs.

This file has coarse, double-cut teeth that work especially well on solder, either straight or draw-filing. Uniform in width and thickness, it comes with both edges safe (uncut).

Slightly Tapered **SPECIAL BODY FILE (Slightly Tapered)**



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 15/32"	5/16"	2665	17 lbs.
14"	1 15/32"	5/16"	1223	17 lbs.

Made the same as the Blunt style, but with a slight taper toward the point in width only, this file sheds solder, will not clog. Both edges are safe. Also furnished in a slightly finer cut (No. 1223) for use where a smoother finish is desired.

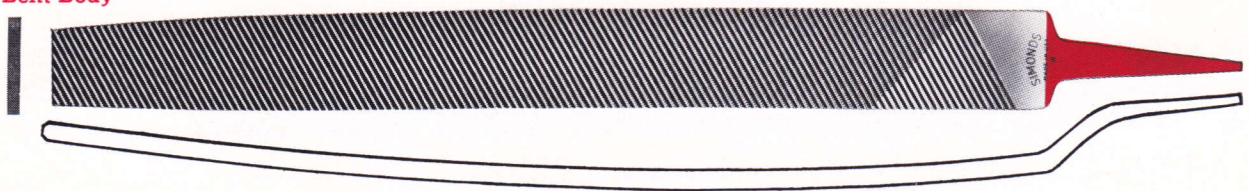
Without Tang **BODY FILE WITHOUT TANG**



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 11/32"	5/16"	2115	17 lbs.
14"	1 11/32"	5/16"	2115-A	17 lbs.

Designed for use on large, flat surfaces, this file is made without a tang . . . should be used with Detachable Raised Tang No. 2677. Furnished in two cuts: No. 2115 same cut, general size and shape as No. 2665 (see above); No. 2115-A same finer cut, general size and shape as No. 1223 (see above), without tang. Edges are safe (uncut).

Bent Body **SPECIAL BENT BODY FILE (With Raised Tang)**



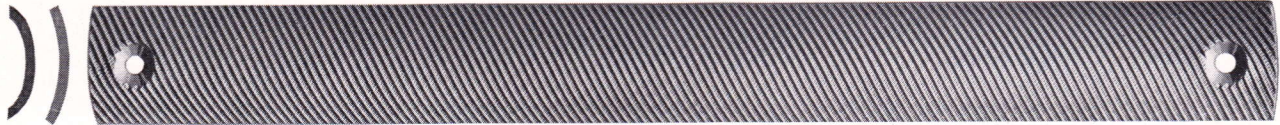
Length	Width	Thickness	No.	Wt. per Doz.
14"	1 11/32"	5/16" (Cut on Convex side only)	2626	17 lbs.
14"	1 11/32"	5/16" (Cut on both sides)	1744	17 lbs.

This file is the same cut, general size and taper as No. 2665 but is bent slightly from heel to point and has a raised tang to permit use on either flat or curved surfaces. No. 1744 has teeth on both flat sides. No. 2626 has teeth on convex or outer side only. Edges are safe (uncut).

ALL FILES PACKED 1/2 Dozen in a box

ORDER BY NUMBER

HALF ROUND / HALF OVAL SHELL FILE



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 ¹¹ / ₃₂ "	5/16" (Half Round)	3424	17 lbs.
14"	1 ¹¹ / ₃₂ "	5/16" (Half Oval)	3403	17 lbs.

Made with coarse, fast-cutting, double-cut teeth on convex or outer side only, this blade type file will shed solder. Use Half Round (No. 3424) for large curvatures. Use Half Oval (No. 3403) for slight curvatures. Edges are safe (uncut). Simonds Holder No. V-2 is recommended for use with this file.

SPECIAL FLOAT FILE



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 ¹¹ / ₃₂ "	5/16"	329	17 lbs.

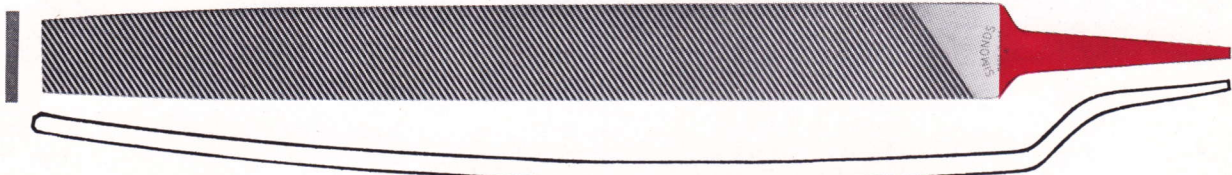
This coarse tooth, single cut, flat file is uniform in thickness but tapers slightly in width. On sheet metal it cuts fast, leaves an excellent finish. It is also used for filing soft metals. Edges are safe (uncut).

SPECIAL MILL FILE

Length	Width	Thickness	No.	Wt. per Doz.
14"	1 ⁵ / ₁₆ "	1/4"	67	17 lbs.

Similar in shape to, but with a slightly finer cut than, the Special Float File (No. 329), this file is also slightly lighter. It is used where a smoother finish is desired. Edges are safe (uncut).

SPECIAL BENT FLOAT FILE (With Raised Tang)



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 ¹¹ / ₃₂ "	5/16"	2617	17 lbs.

This file is the same cut, dimensions and taper as File No. 329 (see above) but has a slight bend and a raised tang. It can be used on flat or curved surfaces such as automobile doors, body tops, etc. Edges are safe (uncut).

BENT LATHE FILE



Length	Width	Thickness	No.	Wt. per Doz.
14"	1 ¹¹ / ₃₂ "	5/16"	2797	17 lbs.
14"	1 ¹¹ / ₃₂ "	5/16"	3001	17 lbs.

Made with fine, double-cut teeth on the convex or outer side only, this bent type file is widely used for finish filing of all types of metal where an extra smooth surface is desired. No. 3001 has slightly finer teeth than No. 2797, for use where finish is more important than metal removal.

ALL FILES PACKED 1/2 Dozen in a box

SIMONDS NET CONSUMERS' PRICES

To Industrial Consumers
and Retail Dealers

RED TANG
AMERICAN PATTERN
FILES and RASPS
Ignition Files • File Cards
File Handles

NET PRICE PER DOZEN

FILES	Length→	Packed 1 Dozen to the Box						Packed 1/2 Dozen to the Box				
		4"	5 1/2"	6"	7"	8"	9"	10"	12"	14"	16"	18"
Aluminum, Flat.....				\$ 6.54		\$ 8.66		\$10.47	\$13.55			
Aluminum, Half Round.....				12.99		14.81		16.62	19.69			
Auger Bit.....	■				\$ 4.96							
Bandsaw Blunt, Regular.....				5.59		7.95						
Bandsaw Blunt, Slim.....				4.65		6.30						
Brass, Half Round.....						14.81		16.62	19.69			
Bucksaw, Special.....				3.70								
Cabinet Files, Half Round.....	■					12.36		16.85	23.15			
Cant Saw.....	■			6.62	7.48	7.80		10.71				
Chain Saw, Round 3/16".....						6.93						
Chain Saw, Round 1/4".....						6.93						
Chain Saw, Round 9/32".....						7.17						
Chain Saw, Round 5/16".....						7.40						
Chain Saw, Round 3/8".....						7.95						
Chain Saw, Nar. Mill, 5/8", No. 3084	■					6.85						
Chain Saw, Lozenge, No. 3365...	■			12.29								
Cross Cut, Great American.....	■			7.48		9.21		11.26				
Cross Cut, Special.....				4.65	5.12	5.75		7.95				
Dado.....								9.14				
Doctor File, Second Cut, No. 381...	■									\$25.91		
Doctor File, Smooth Cut, No. 382...	■									25.91		
Double Ender.....	■			4.17	4.17	4.65	\$ 5.20	5.75				
Flat Bastard.....		\$ 4.57		5.36		6.54		8.66	11.97	16.38	\$21.89	\$29.45
Flat Second Cut.....		5.36		5.91		7.48		10.00	13.55	18.90	24.81	
Flat Smooth.....		5.83		6.54		8.11		10.71	14.88	20.63	27.41	
Foundry, Flat.....						6.54		8.66	11.97	16.38		
Foundry, Half Round.....						9.21		11.26	14.49	19.06		
Gullet, Special.....						8.66		11.58				
Half Round Bastard.....		5.91		7.48		9.21		11.26	14.49	19.06	25.36	
Half Round Second Cut.....		6.93		8.35		10.24		12.36	16.07	20.95		
Half Round Smooth.....		7.48		8.74		10.95		13.23	17.17	22.52	29.85	
Hand Bastard.....				5.36		6.62		9.21	13.23	18.51		
Hand Second Cut.....				6.30		7.72		10.71	15.12	20.95		
Hand Smooth.....				6.93		8.27		11.58	16.62	22.44		
Hand Saw, Special.....			\$ 4.49	5.36	6.38							
Knife Bastard.....		6.62		8.51		10.47		12.36				
Knife Second Cut.....		7.48		9.21		11.26		14.18				
Knife Smooth.....		7.80		9.77		11.66		15.12				

(List Continued Next Page)

These lists comprise all of the kinds, sizes, and cuts of files that will be regularly carried in stock. Anything differing from these files will be considered as special and will not be manufactured except in cases of urgent necessity; and when manufactured, price will be based strictly upon cost of material and cost of manufacture at time goods are made.

Files for Stainless Steel are made in all shapes and sizes as regular purpose files, and are sold at regular list prices. To order, specify kind, shape and cut, and add that files are for use on Stainless Steel.

All broken packages are to be charged at 10% advance on above prices and shown on the invoice as a separate item.

SIMONDS NET CONSUMERS' PRICES
To Industrial Consumers and Retail Dealers — Continued

RED TANG
AMERICAN PATTERN
FILES and RASPS

NET PRICE PER DOZEN

FILES - Con't	Length →	Packed 1 Dozen to the Box						Packed 1/2 Dozen to the Box				
		4"	5"	5 1/2"	6"	7"	8"	10"	12"	14"	16"	18"
Lead Float Flat.....		—	—	—	—	\$ 7.72	—	\$ 10.55	\$ 14.49	—	—	—
Lead Float Half Round.....		—	—	—	—	10.47	—	13.23	17.33	—	—	—
Long Angle Lathe.....		—	—	—	—	—	—	10.55	14.49	\$19.69	—	—
Mill Bastard.....		\$ 3.62	—	—	\$ 4.17	4.65	\$ 5.12	6.62	8.82	12.60	\$17.33	—
Mill Second Cut.....		4.17	—	—	4.73	—	5.75	7.48	10.08	14.33	—	—
Mill Smooth.....		4.65	—	—	5.36	—	6.38	8.27	11.03	15.44	—	—
Mill Bastard, 1 Round Edge.....		—	—	—	4.65	—	5.67	7.40	9.84	—	—	—
Mill Bastard, 2 Round Edges.....		—	—	—	5.20	—	6.38	8.27	—	—	—	—
Multi-Kut, Flat.....		■ —	—	—	—	—	7.32	9.53	13.23	17.80	—	—
Narrow Band, Special No. 2.....		—	—	—	—	—	7.95	—	—	—	—	—
Narrow Band, Special No. 3.....		—	—	—	5.59	6.62	—	—	—	—	—	—
Narrow Band, Special No. 456.....		—	—	—	4.65	5.36	—	—	—	—	—	—
Pillar Bastard.....		—	—	—	5.36	—	6.62	9.21	13.23	—	—	—
Pillar Second Cut.....		—	—	—	6.30	—	7.72	10.71	—	—	—	—
Pillar Smooth.....		—	—	—	6.93	—	8.35	11.58	—	—	—	—
Round Bastard.....		3.78	—	—	4.33	4.80	5.36	6.93	9.21	13.23	18.11	—
Round Second Cut.....		4.33	—	—	4.88	—	5.99	7.80	10.55	15.04	—	—
Round Smooth.....		4.80	—	—	5.59	—	6.62	8.60	11.58	16.14	—	—
Saw Bit, Special.....		—	—	—	—	—	7.17	—	—	—	—	—
Square Bastard.....		4.65	—	—	5.67	—	6.77	9.14	12.52	17.17	23.15	—
Square Second Cut.....		5.67	—	—	6.30	—	7.72	10.47	14.18	19.77	—	—
Square Smooth.....		5.99	—	—	6.77	—	8.66	11.26	15.83	21.58	—	—
Taper, Regular.....		—	—	—	4.02	5.12	6.38	9.53	—	—	—	—
Taper, Slim.....		2.68	\$ 2.99	—	3.70	4.49	5.36	7.48	—	—	—	—
Taper, Extra Slim.....		2.68	2.99	\$ 3.47	3.70	4.49	5.36	—	—	—	—	—
Taper, Double Extra Slim.....		2.68	2.99	—	3.70	4.49	5.36	—	—	—	—	—
Three Square, Bastard.....		—	—	—	7.48	—	9.21	11.26	14.49	—	—	—
Three Square, Second Cut.....		—	—	—	8.35	—	10.24	12.36	—	—	—	—
Three Square, Smooth.....		—	—	—	8.74	—	10.95	13.23	—	—	—	—
Warding, Bastard.....		■ 4.88	—	—	5.99	—	7.80	10.71	15.12	—	—	—
Warding, Second Cut.....		5.91	—	—	7.32	—	9.21	12.36	—	—	—	—
Warding, Smooth.....		6.62	—	—	7.80	—	10.16	13.55	—	—	—	—
Wood File, Flat.....		■ —	—	—	—	—	6.54	8.66	11.97	16.38	—	—
Wood File, Half Round.....		■ —	—	—	—	—	9.21	11.26	14.49	19.06	—	—
RASPS	Length →	4"	5"	6"	7"	8"	9"	10"	12"	14"	16"	18"
Cabinet, Second Cut.....		—	—	\$12.64	—	\$16.18	—	\$22.06	\$28.74	\$37.35	—	—
Cabinet, Smooth.....		—	—	—	—	19.48	—	26.08	33.73	—	—	—
Horse, Plain, Half File, Regular...		—	—	—	—	—	—	—	10.47	14.65	\$20.13	—
Horse, Plain, Half File, Slim.....		■ —	—	—	—	—	—	—	—	—	17.79	\$21.25
Horse, Tanged, Regular.....		—	—	—	—	—	—	—	—	19.00	—	—
Race Trak, Tanged.....		■ —	—	—	—	—	—	—	—	18.03	—	—
Race Trak, Slim.....		■ —	—	—	—	—	—	—	—	—	—	20.77
Shoe, Half Round.....		—	—	—	—	8.29	\$10.06	11.27	—	—	—	—
Wood, Flat, Bastard.....		—	—	—	—	11.83	—	16.18	22.06	29.14	—	—
Wood, Half Round, Bastard.....		—	—	10.22	—	12.64	—	17.23	23.67	31.23	41.38	—
Wood, Half Round, Smooth.....		—	—	—	—	17.23	—	23.67	31.23	—	—	—

SIMONDS NET CONSUMERS' PRICES
To Industrial Consumers and Retail Dealers - Continued

AMERICAN PATTERN Ignition Files • File Cards File Handles
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NET PRICE PER DOZEN

FILES — Voltage Regulator and Ignition

KINDS	Carded 1 Dozen Per Card	Packed 1 Dozen Per Box	Bulk 12 Dozen Per Box
5" Voltage Regulator, No. 2470	\$12.88 per Dozen
6" Voltage Regulator Riffler, No. 1997	19.21 per Dozen
5" Ignition, Pocket Clip	3.02 per Dozen	\$2.83 per Dozen	\$2.78 per Dozen
5" Ignition, Straight Handle	1.99 per Dozen	1.94 per Dozen	1.87 per Dozen

FILE CARDS AND HANDLES

File Cards — Plain	per dozen	\$ 2.80
File Cards — Combination (with Brush and Pick)	per dozen	11.98
File Handles	No. 104 No. 106 No. 108 No. 110 No. 112	
per dozen	\$1.46 \$1.62 \$1.96 \$2.24 \$2.52	

SIMONDS NET CONSUMERS' PRICES

To Industrial Consumers
and Retail Dealers

RED TANG
**SPECIAL
AUTO BODY
FILES**

NET PRICE PER DOZEN

		VIXEN								
No.										
1076	7" Vixen Blade Rounding Edges	-	-	-	-	-	-	-	-	\$25.58
3286	8" Vixen Universal Flexible	-	-	-	-	-	-	-	-	25.58
DOUBLE CUT BODY—With Tang										
921-A	14" Flat Double Cut	-	-	-	-	-	-	-	-	15.05
1223	14" Flat Double Cut	-	-	-	-	-	-	-	-	15.05
1744	14" Flat Double Cut, Bent, cut on two sides	-	-	-	-	-	-	-	-	16.26
1800	14" Flat Double Cut	-	-	-	-	-	-	-	-	15.05
1800-A	14" Flat Double Cut	-	-	-	-	-	-	-	-	15.05
2609	14" Flat Aluminum Body	-	-	-	-	-	-	-	-	15.05
2626	14" Flat Double Cut, Bent, cut on one side	-	-	-	-	-	-	-	-	16.26
2665	14" Flat Double Cut	-	-	-	-	-	-	-	-	15.05
2666	14" Flat Double Cut, Blunt	-	-	-	-	-	-	-	-	15.05
2667	14" Flat Double Cut, Coarse	-	-	-	-	-	-	-	-	15.05
DOUBLE CUT BODY—Without Tang										
2115	14" Flat Double Cut	-	-	-	-	-	-	-	-	17.63
2115-A	14" Flat Double Cut	-	-	-	-	-	-	-	-	17.63
3403	14" Half Oval Shell Double Cut	-	-	-	-	-	-	-	-	27.37
3424	14" Half Round Shell Double Cut	-	-	-	-	-	-	-	-	27.37
SINGLE CUT BODY										
67	14" Mill, 2 Safe Edges - 14 tooth	-	-	-	-	-	-	-	-	13.52
329	14" Flat Float	-	-	-	-	-	-	-	-	16.26
1331	14" Mill - 20 tooth	-	-	-	-	-	-	-	-	13.52
2617	14" Flat Float, Bent	-	-	-	-	-	-	-	-	16.26
2742	14" Flat Float, Bent	-	-	-	-	-	-	-	-	16.26
3397	14" Mill, 2 Safe Edges - 20 tooth	-	-	-	-	-	-	-	-	13.52
LATHE										
451	12" Lathe, Bent	-	-	-	-	-	-	-	-	12.24
2618	14" Lathe, Fine	-	-	-	-	-	-	-	-	16.26
2797	14" Lathe, Coarse, Bent	-	-	-	-	-	-	-	-	16.26
3001	14" Lathe, Fine, Bent	-	-	-	-	-	-	-	-	16.26
3088	14" Lathe, Coarse	-	-	-	-	-	-	-	-	16.26
2677	Detachable Tang for Tangless Body Files	-	-	-	-	-	-	-	-	5.55