



The World Leader
of Precision Files



Grobet File Company of America

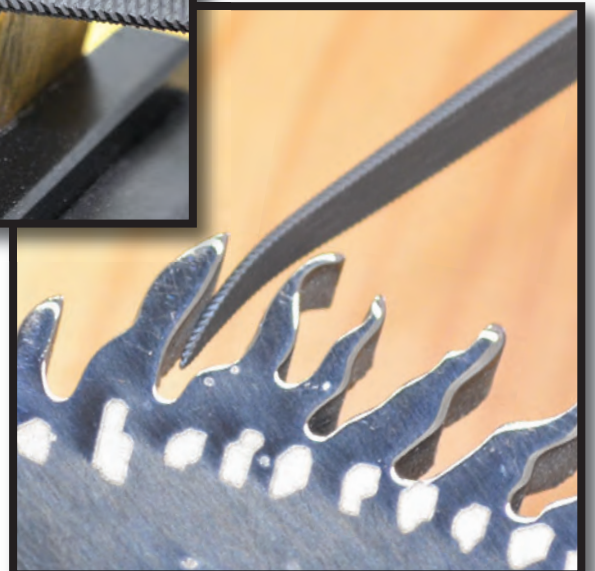
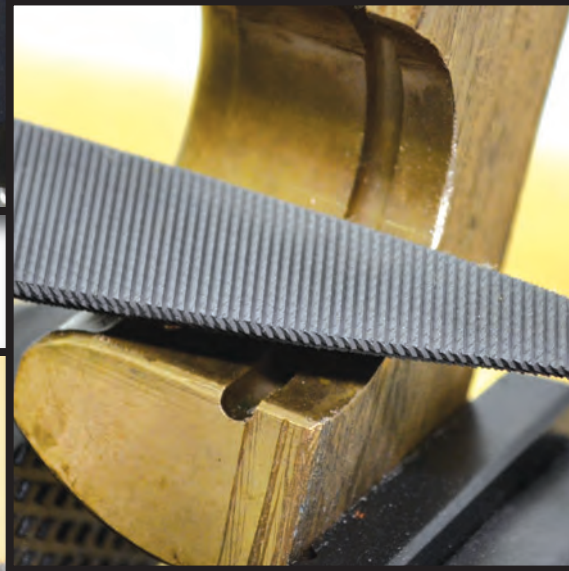
Grobet File Company of America

Precision Files

Grobet has a strong history of over 140 years in design, production, and distribution of precision tools for professional technicians and craftsmen.

We take pride in the performance of our state-of-the-art facilities in the United States and Switzerland. Our extensive network of global suppliers has been selected based on their conformance to our high quality standards.

Our full line of Swiss pattern files delivers superior performance. They are simply the best files you can buy. The finest heat-tempered chrome alloy steel provides the “right” feel, action, and balance demanded by attentive craftsmen. The most advanced CNC equipment and the best available robotic technology ensures that Grobet files are manufactured to the highest standards of dimensional accuracy, cutting performance, and service life. All Grobet products adhere to strict Quality Control procedures at each level of manufacturing. Every finished tool is individually tested to ensure superior quality.



Types of Grobet Precision Files

Chain Saw Files - Use for sharpening all sizes of chain saw teeth. This file maintains the proper tooth shape throughout extensive use. The user will experience a fast, smooth cutting action creating an excellent finish.

Diamond Files – Manufactured by electro-plating diamond grains on blanks. They are used for finishing or sharpening hardened steel over 60 HRc or tungsten carbide. A variety of types, shapes and sizes.

Ergo Grip Files - Versatile files for working on larger surfaces with higher pressure, but with the same precision of needle files. Use for mold making or working with precious metals. The square built-in handle is easy to hold and gives improved control without needing an additional handle.

Escapement Files - Also called Square Handled Needle Files with a length of cut varying from 3/4" to 2-1/2" and long, square handles.

Inox Files – Compared to standard precision files, the Inox coating creates a greater surface hardness, longer service life and a surface corrosion free layer. They have a Rockwell Hardness of 70-72 and can file hardened tempered steel up to 60 HRc.

Needle Files - Made to exacting tolerances, these high-quality files are ideal for making ultra-fine modifications to metal parts. The knurled round handle gives the file a non-slip grip for precision filing.

Rasps – Various file types with raised individual cutting teeth suitable for use on wood, fiberglass, plastics and other soft metals.

Rifflers - Originally used and hand forged by die sinkers, die makers, silversmiths, etc., in shapes and cross-sections appropriate to their work. Good for hard-to-reach surfaces and for detail finishing on molds, castings and engravings. Teeth are cut in small areas on each end and can have a variety of shapes. A long middle portion serves as the handle.

Scrapers - Scrapers are ideal for cleaning, smoothing and deburring metals and plastics. Use to prepare surfaces for soldering, remove excess solders, open bezels, etc. Grobet scrapers are high performance tools with extremely sharp edges. They can be resharpened on a bench stone. All are securely mounted in hardwood handles.

Swiss Pattern Precision Files - Compared to American Pattern files (engineers' files) Swiss Pattern files have marked tapering and smaller tips, sharp edges, strict dimensional and flatness tolerances and a higher and uniform hardness.

Table of Contents	Pages
Chain Saw Files	40
Cleaners	41
Diamond Econo Needle Files	36
Diamond Ergo Grip Files	38
Diamond Escapement Files	37
Diamond Flexi-Files	39
Diamond Needle Files	34-36
Diamond Rifflers	39
Ergo Grip Files	24
Ergo Grip Rasps	33
Escapement Files	22-23
Handles	41
Inox Needle Files	18
Inox Swiss Pattern Precision Files	12
Instructions for File Use	4
Mascot Files	21
Needle Files	13-21
Rasps	32-33
Rifflers, Die Sinkers	25-29
Rifflers, Silversmiths	30-31
Rifflers, Tool Makers	30
Scrapers	40
Swiss Pattern Precision Files	7-11
Teborg Needle Files	19-20
Wax Files	32
Index	42

Cut 00

Cut 0

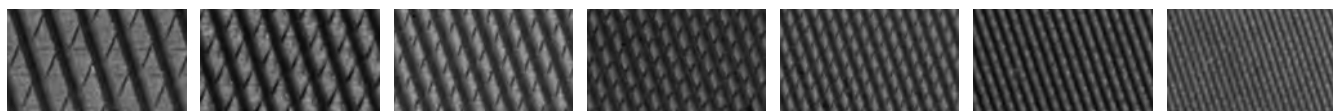
Cut 1

Cut 2

Cut 3

Cut 4

Cut 6



Scale of Cuts

Teeth per CM	12	16	20	25	31	38	46	56	68	84	116
Teeth per inch	30	41	51	64	79	97	117	142	173	213	295
Escapement Files	-	-	-	0	-	2	-	4	5	6	8
Ergo Grip	-	00	-	1	-	-	-	-	-	-	-
Needle	-	-	00	0	1	2	3	4	-	6	-
Swiss Pattern 4" to 8" / 100mm-200mm	-	00	0	1	2	3	4	-	6	-	-
Swiss Pattern 10" to 12" / 250mm-300mm	00	0	1	2	3	4	-	6	-	-	-
Rifflers, Die Sinkers	-	-	-	0	-	2	-	4	-	-	-
Rifflers, Silversmiths	-	0	-	2	-	-	-	-	-	-	-
Rifflers, Tool Makers	0	-	2	-	-	-	-	-	-	-	-

How To Use Precision Files

Hand filing is one of man's oldest ways of working metal and requires a high degree of manual skill. The skill of a craftsman is recognized by his ability to use a file correctly and efficiently. The touch of a file in the proper place can make all the difference when performing precision work. The skill or "feel" that a craftsman acquires is the result of long and patient practice.

Choosing the Right File for the Job

This is done based on the type of metal to be filed, the amount of material to be removed, and the size and contour of the piece to be worked.

Basic Principles for Filing

- The workpiece must be supported properly and at the correct working height.
- The file must be held correctly with the cutting stroke properly guided.
- Proper pressure must be applied during the cutting stroke.
- A common cause of defective filing is the tendency to rock the file with a seesaw motion in trying to remove too much material too quickly, resulting in a convex rather than flat, level surface; a lighter, more even pressure on the file usually corrects this.

How to Hold the Workpiece

- A workpiece is generally held in a bench vise. For average precision filing, the top of the workpiece is usually level with the worker's elbow when the arm is bent.
- To keep the workpiece from being marred, the jaws of the vise should be covered with pieces of soft metal, wood, plastic, or leather.
- When rapid removal of material or rough, heavy filing is to be done, the workpiece is usually set at a lower level and a courser cut file is used.
- When the workpiece is small and delicate and the filing is done by the motion of the hand or the hand and arm alone, the workpiece is held at a level that permits closer scrutiny and enables a fine cut file or riffler to be guided more accurately.

Basic Filing Operations

There are four basic types of filing operations: straight filing, draw filing, lathe filing, and precision filing.

- In straight filing, the file is pushed straight across the workpiece.
- In draw filing, the file is held at each end and, under even pressure, it is guided back and forth over the workpiece. The file is held perpendicular to the direction of motion.
- In straight- and draw-filing, the operator should stand comfortably with feet well apart, to obtain a free swing from the shoulders, avoiding any separate wrist or elbow movement.
- Lathe filing will not be discussed, as it is an application for American pattern or long-angle lathe files and do not require precision files.
- Precision filing operation is discussed below in "Finishing Techniques."

Finishing Techniques

Finishing and smoothing of metal in various narrow grooves and depressions of tools, dies, molds, jigs, and fixtures calls for precision filing at its best. With the large range of shapes, sizes, and cuts available in Grobet precision files and rifflers, logic and experience will suggest the contour and profile most suited for the job.

- In precision filing, "feel" (attained by constant practice) will vary with the metal being worked. Too little pressure on the cutting stroke, especially when working with tool and chrome alloy steels, will quickly dull the teeth of the file.
- Too much pressure will result in excess metal being removed and causing the teeth of the file to become pinned.
- Small rifflers are held in much the same manner as a pen or pencil. When using larger sizes, the riffler is held in the hand with the index finger on the safe side to exert the proper cutting pressure. When necessary on very fine and delicate work, the other hand is used to control the direction and in some cases, the stroke of the riffler.

Proper Care

Just as proper use prolongs the life of a precision file, so too does proper care. Don't just toss them into a drawer or in a pile on the back of a bench. If you do, you will damage their fine, keen-cutting teeth.

- Always keep files clean.
- A wire brush can be used to remove oil or grease from a file.
- Proper cleaning of files with a file card and wire brush helps keep the finish of the workpiece smooth, free of scratches, and prevents chips from building up in the teeth of the file.
- Mount your files on a rack or with their tangs placed in a row of holes drilled into a block of wood.
- Store your files in a dry atmosphere to avoid the possibility of rust. A rusty file causes the teeth to crumble away into a fine dust.

Specific Filing Techniques















- For working on thin material, keep as many teeth as possible in contact with the workpiece.
- For draw filing, the file is alternately pulled and pushed over the workpiece.
- For normal filing, the hands are placed on the file for maximum pressure and average stock removal.
- Heavy stock removal requires a very firm grasp.
- For precision filing, the tip is held by the thumb and index finger of the other hand for maximum control.
- To preserve the sharpness of the teeth and to increase life, the file should be raised on the return stroke.

No file should be used without a handle. Handles must be mounted properly on the tangs. After the right size handle is selected, slip it over the tang and gently force the file into the handle as far as possible. Then either tap the handle on the bench or while holding the handle, tap it with a mallet until the file is firmly secured. Never hammer or pound the point of a file to seat the tang in a handle.

Guide To Selecting Grobet Precision Files

As shown in the File Finder chart, each application calls for a different type of file. There is more to file selection than shape alone. The cut selected is equally important. Determination of cut depends on the type and form of material to be worked, the amount of material to be removed, and the finish desired. For example, rapid removal of stock often indicates a No. 00 cut, while working on narrow surfaces would suggest a No. 2 cut and final finishing operations might take a fine cut such as No. 4. In the final analysis, file selection cannot be reduced to a formula or table but will be based to a great degree on experience and common sense.

File Finder

Basic Application	Type of File Recommended
Corners - holes - edges	Three-Square 
Corners - holes	Square 
Corners - slots	Equalling 
Corners - slots	Slitting 
Curved surfaces - corners-holes	Half-Round 
Curved surfaces - junctures of curved and flat surfaces - corners - holes	Crossing 
Edges, joints	Joint 
Flat surfaces	Hand 
Flat surfaces - corners - keyways - dovetail ways - gear teeth - deburring	Barrette 
Flat surfaces - slots	Pillar 
Roughening surfaces for hand grips	Checkering 
Rounded corners - slots - flat surfaces - junctures between curved and flat surfaces	Crochet 
Rounded corners - holes - "V" slots	Pippin 
Rounded inside corners - holes	Round 
Slots	Screwhead 
Slots	Warding 
Slots - wedge-shaped openings	Knife 

FILE TERMINOLOGY

BACK In a half round, barrette, cant or a file of similar cross section this is the convex side.

BARRETTE FILE Tapered in width and thickness. Cuts on wide flat face and safe on sides and back.

BLANK A steel forging from which a file is made. The basic shape of a file before teeth are cut or etched.

CHECKERING FILE Rectangular in cross section and parallel in width and thickness. Teeth cut at 90° angle with edge. Safe on edges.

CHISEL CUT A method of cutting teeth into the surface of an annealed file blank by striking it with a series of repeated blows as the blank is moved beneath a chisel at a uniform speed. In the cutting operation, the chisel is placed obliquely to the length and is inclined to the surface of the file. This is done either by hand or machine. Generally used to produce files of No. 2 cut and coarser.

CROCHET FILE Rectangular in cross section with rounded edges. Cut on both faces and edges. Tapered in length and slightly tapered in thickness.

CROSSING FILE Oval cross section with same radius as half-round files on one side and other side curved to a larger radius. Cut on both sides. Tapered in width and thickness.

CUT The number of teeth per inch, the degree of coarseness of a file's teeth, from No. 00 to No. 8 in Swiss precision files. Also used to describe the type of file such as single cut or double cut, etc.

DIE MAKERS' RIFFLERS Various cross sectional shapes. Teeth cut on a small area of each end leaving a long middle portion as a handle. The cut ends are of various designs. Length is overall. Originally designed and hand forged by die makers for their specific purposes now a generic term for this particular group of rifflers.

DIE SINKERS' RIFFLERS See Die Makers' Rifflers. This group of rifflers has smaller cross sectional shapes.

DOUBLE CUT The arrangement of file teeth formed by two series of cuts. The first is the overcut which is followed by the upcut at an angle to the overcut.

EDGE The narrow cross section or side of a file.

EQUALLING FILE Thin rectangular cross section, parallel in width and thickness and cut on both faces and edges.

ESCAPEMENT FILE Also called Square Handled Files. A group of files of various cross sectioned shapes with a length of cut varying from 3/4 to 2-1/2" and long square handles. Widely used by jewelers, watch makers, die makers, and fine mechanics.

ETCHED CUT A method of cutting teeth into the surface of a file blank by drawing an etching tool, under sustained pressure, obliquely across an annealed file blank in a series of cuts. This may be done either by hand or machine. This method of cutting is used where it is necessary to retain the true cross section of a file. Generally used to manufacture files finer than a No. 2 cut.

FACE The working surface of a file upon which teeth are cut.

FILING BLOCK A block of wood, soft metal or other material used to protect the material being filed from damage from the jaws of a vise or other holding device. It may contain a series of grooves to hold work securely.

FLAT FILE Also called a Warding File. A form of escapement or square handled needle file. Parallel in thickness. Cut on four sides, tapered in width.

HAND FILE A general purpose file used primarily for working on flat surfaces. Parallel in width and tapered in thickness.

HANDLE A wood or plastic piece that is placed over that tang of a file to protect the hand of the user.

HALF ROUND FILE A cross section that is flat on one side and has a radius (not half circle) on the other side. Cut on both sides. Width and thickness taper.

HALF ROUND SLIM FILE Also called Ring Files. Same as half round except thinner in width.

HEEL The end of the file at a location where the body ends and the taper leading into the tang begins. Also called the shoulder.

KNIFE FILE Knife shaped, cross section that is tapered in width and thickness. Edge has same thickness from point to shoulder.

LENGTH OF CUT The length of a file measured between the shoulder or heel and the point.

NEEDLE FILE, SQUARE HANDLED Also called an Escapement File. A group of files of various cross sectional shapes with a length of cut varying between 3/4 and 2-1/2" and long square handle.

NEEDLE FILE, ROUND HANDLED A group of files of various cross sections with a knurled round handle. Knurling gives the file a positive, non-slip grip for precision filing.

OVAL FILE An oval cross section tapering in width and thickness.

OVERCUT The first of a series of cuts in a double cut file. Its function is to act as a chip breaker. The second or upcut is made over this cut.

PARALLEL ROUND FILE A round cross section parallel in width.

PILLAR FILE A rectangular cross section with thickness greater relative to width, than in other types. Cut on face or flat sides only. Parallel in width, tapered in thickness. Also demi-narrow, narrow and extra narrow widths.

PIN OR PINNING The tendency of small particles of materials to file or clog the gullets between the teeth of a file. When the teeth become clogged the file causes scratches on the work. When this occurs, the file is pinned.

PIPPIN FILE A section that combines the cross section of a round file with that of an equalling file. Tapered in thickness and width.

POINT The front end of a file as contrasted with the tang end.

POINTED BACK BARRETTE FILE A triangular cross section with one side wider than the other two sides but on wide or face side only tapered in width and length.

RASP CUT A cut used on wood rifflers that is made by a punch raising a series of individual cutting teeth.

RIFFLERS From the German riefeln, to channel, chauffer, flute or groove. Originally used and hand forged by die sinkers, die makers, silversmiths and other skilled artisans in shapes and cross sections appropriate to their work. Teeth are cut on small areas on each end that can be shaped like everything from trowels to button hooks. A long middle portion serves as a handle.

RING FILE Also called a Half Round Slim File.

ROUND FILE Round in cross section tapered in width.

ROUNDING OFF FILE An escapement or square handle needle file half round in cross section. Cut on flat side. Parallel in width.

SAFE The side or edge of a file that has no teeth cut in it so as not to mar a work surface that does not require filing.

SCREW HEAD FILE A narrow diamond shaped section with short bevels to form sharp edges. Cut on beveled edges, safe on flat sides. Parallel in width and thickness.

SECTION The cross section or end view of a file if it were cut squarely at the place of greatest width and thickness from the tang.

SILVERSMITH'S RIFFLERS A group of various cross sectioned shapes originally designed for use by silversmiths. Teeth are cut on small areas of each and leaving a long middle portion as a handle. The cut ends are of varied designs.

SINGLE CUT The tooth formed on a file by a single series of cuts.

SLITTING FILE A flat diamond shaped cross section. Cut on all sides. Parallel in width and thickness.

SQUARE FILE Square in cross section. Cut on all sides. Tapered.

TANG The part of the file that tapers from the shoulder that is intended to be fitted with a handle.

THREE SQUARE FILES Equilaterally triangular in cross section. Cut on all sides with sharp corners. Tapered.

TOOL MAKERS' RIFFLERS Various cross sectional shapes with teeth cut on a small area at each end leaving a long middle portion as a handle. The cut ends are of various designs to meet the needs of tool makers.

UPCUT The second series of teeth cut in double cut files made over the first series of cuts called the overcut. This cut is made of an angle to the overcut.

WARDING FILE A rectangular cross section with teeth cut on all sides up to 4" in length and on 3 sides with one safe edge on files 6" and longer. Tapered width, parallel in thickness.

GROBET SWISS PATTERN PRECISION FILES

Swiss Pattern files are designed for detail work, delicate finishing, and precise metal removal. Compared to American Pattern files (Engineers' files) Swiss Pattern Precision files have strict manufacturing tolerances, are uniform in taper, points, sharp edges, dimensions and flatness. Grobet files are made of the finest heat-tempered, chrome alloy steel. They are available in a variety of styles, shapes, sizes and cuts. The files are measured in length from the point where the teeth begin to the end of the file. The handle section (tang) is not included in the file length.



BARRETTE

Tapered in width and thickness, coming to a point. Only flat side is cut, providing safe edge and top. **Double cut.**

Length (in) (mm)	Width (in) (mm)		Thickness (in) (mm)		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
4"	100	15/32"	12.0	3/32"	2.5	31.022	—	—	31.025	—	—
6"	150	5/8"	16.0	5/32"	4.0	31.027	31.028	31.029	31.030	—	31.031
8"	200	53/64"	21.0	13/64"	5.0	—	31.032	—	31.033	—	—



BARRETTE-HOT DIE

Same as regular Barrette files except with ground backs, widely used in making and repairing extrusion dies. **Double cut.**

Length (in) (mm)	Width (in) (mm)		Thickness (in) (mm)		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
4"	100	15/32"	12.0	3/32"	2.5	31.018	—	—	—	—	—

CHECKERING

Parallel in width and gently tapered in thickness. Overcut is parallel to file edges and upcut is 90° to overcut. Useful for putting serrations on knife edges and to obtain a checkered design. **Double cut top and bottom – Both edges are safe.**



Hand Checkering

Length (in) (mm)	Width (in) (mm)		Thickness (in) (mm)		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
6"	150	45/64"	18.0	5/32"	4.0	31.035	31.036	31.037	31.038	—	—
Lines per inch/cm						20/8	30/12	40/16	50/20	—	—



Pillar Checkering

Length (in) (mm)	Width (in) (mm)		Thickness (in) (mm)		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
6"	150	1/2"	13.0	5/32"	4.0	31.040	31.041	31.042	31.043	—	31.045
Lines per inch/cm						20/8	30/12	40/16	50/20	—	75/30
6"	150	1/2"	13.0	5/32"	4.0	31.040-25	—	—	—	—	—
Lines per inch/cm						25/10	—	—	—	—	—

GROBET SWISS PATTERN PRECISION FILES



CROCHET

Tapered in width and gradually tapered in thickness. Used in filing junctions between a flat and curved surface. Useful in developing slots with rounded edges. **Double cut top and bottom – Both edges are single cut.**



Length (in) (mm)	Width (in) (mm)		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
4" 100	9/32"	7.3	5/64"	2.0	—	31.047	—	31.048	—	—	—
6" 150	25/64"	10.0	1/8"	3.0	—	31.050	—	31.051	—	—	—
8" 200	31/64"	12.3	5/32"	4.2	—	31.053	—	31.054	—	—	—



CROSSING

Half-round on two sides, with one side having a larger radius than the other. Tapered in width and thickness. Cut and usable to the point. Used primarily for filing interior curved surfaces. The double radius makes possible the filing at the junction of two curved surfaces or a straight and a curved surface. **Double cut on both sides.**



Length (in) (mm)	Width (in) (mm)		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
6" 150	5/8"	16.0	11/64"	4.5	—	31.059	—	31.060	—	—	—



EQUALLING

Parallel in width and thickness. Used primarily for filing slots and corners. **Double cut top and bottom – Both edges are single cut.**



Length (in) (mm)	Width (in) (mm)		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
4" 100	25/64"	10.0	1/32"	0.7	—	—	—	31.080	—	—	—
4" 100	25/64"	10.0	1/32"	0.6	—	—	—	31.083	—	—	—
4" 100	25/64"	10.0	1/64"	0.35	—	—	—	31.088	—	—	—
4" 100	25/64"	10.0	5/64"	2.0	—	31.065	—	31.066	—	31.067	—
6" 150	1/2"	13.0	3/32"	2.5	31.068	31.069	—	31.070	—	31.071	—
8" 200	1/2"	13.0	3/32"	2.5	31.072	31.073	—	31.074	—	—	—



HALF-ROUND

A cross section that is flat on one side and has a radius (not half circle) on the other side. Width and thickness tapered to a point. **Double cut on both sides.**



Length (in) (mm)	Width (in) (mm)		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
4" 100	15/32"	12.0	9/64"	3.5	31.102	31.103	—	31.104	—	31.107	—
6" 150	5/8"	16.0	11/64"	4.5	31.111	31.112	31.113	31.114	31.115	31.116	31.117
8" 200	53/64"	21.0	15/64"	6.0	31.118	31.119	31.120	31.121	—	—	—
10" 250	1"	25.0	9/32"	7.0	31.123	31.124	—	—	—	—	—



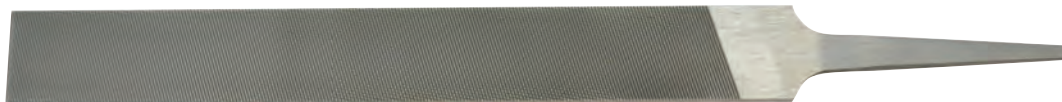
HALF-ROUND RING

Width and thickness tapered to a point. Narrower than regular half-round and, therefore, useful for filing inside of rings. **Double cut on both sides.**



Length (in) (mm)	Width (in) (mm)		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
	(in)	(mm)	(in)	(mm)							
6" 150	15/32"	12.0	9/64"	3.5	31.127	31.128	31.129	31.130	31.131	31.132	—

GROBET SWISS PATTERN PRECISION FILES



HAND

A general purpose file used primarily for working on flat surfaces. Parallel in width and tapered in thickness.
Double cut top and bottom – One edge single cut – One edge is safe.

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
4"	100	1/2"	13.0	1/8"	3.0	—	31.140	—	31.141	—	31.142	—
6"	150	45/64"	18.0	5/32"	4.0	31.143	31.144	31.145	31.146	31.147	31.148	31.149
8"	200	7/8"	22.0	1/5"	5.0	31.150	31.151	31.152	31.153	—	31.154	—
10"	250	31/32"	24.5	7/32"	5.5	31.155	31.156	—	31.157	—	—	—



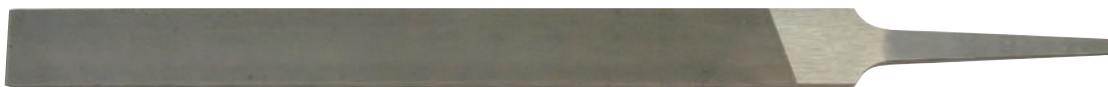
KNIFE

Tapered in width and thickness. The knife edge has the same thickness from point to shoulder. The included angle of the sharp edge is approximately 10°. Generally used to file in a slot or wedge shaped opening. Curved knife edge allows for easily filing in restricted areas.
Double cut on both sides – Top edge is safe – Knife edge is single cut.

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
4"	100	15/32"	12.0	1/8"	3.0	—	—	—	31.177	—	—	—
6"	150	45/64"	18.0	5/32"	4.0	—	31.180	—	31.182	—	—	—
8"	200	7/8"	22.0	1/5"	5.0	—	31.185	—	31.187	—	—	—

PILLAR FILES

These files are parallel in width and tapered in thickness to make possible perfectly flat filing. **Double cut top and bottom – Both edges are safe.**



Regular Pillar

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
4"	100	3/8"	9.5	3/32"	2.5	31.237	31.238	—	31.240	—	31.241	—
6"	150	33/64"	13.0	5/32"	4.0	31.243	31.244	31.245	31.246	—	31.248	31.249
8"	200	19/32"	15.0	13/64"	5.0	31.251	31.252	31.253	31.254	—	31.256	—
10"	250	45/64"	18.0	15/64"	6.0	31.257	31.258	—	—	—	—	—
12"	300	3/4"	19.0	1/4"	6.3	31.260	31.261	—	—	—	—	—



Demi-Narrow Pillar

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
6"	150	25/64"	10.0	11/64"	4.5	—	31.192	31.193	31.194	—	—	—



Narrow Pillar

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
4"	100	11/64"	4.5	3/32"	2.2	—	31.220	—	31.222	—	31.223	—
6"	150	5/16"	8.0	9/64"	3.5	31.224	31.225	31.226	31.227	—	31.228	31.229
8"	200	25/64"	10.0	11/64"	4.5	31.230	31.231	31.232	31.233	—	—	—
10"	250	15/32"	12.0	13/64"	5.0	—	31.235	—	—	—	—	—



Extra Narrow Pillar

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
4"	100	9/64"	3.5	1/16"	1.7	31.201	31.202	—	31.204	—	31.205	—
6"	150	15/64"	6.0	1/8"	3.0	31.206	31.207	31.208	31.209	—	31.210	31.211
8"	200	5/16"	8.0	9/64"	3.5	31.212	31.213	31.214	31.215	—	31.216	—
10"	250	21/64"	8.3	5/32"	3.7	31.217	—	—	—	—	—	—

GROBET SWISS PATTERN PRECISION FILES



PIPPIN

Tapered in width and thickness. Combines the cross-sections of the round file, with the crossing file, along with the edge of a knife file. For finishing the junction of two different curved surfaces and for opening slots when a "V" shape is required.

Double cut on both sides – Top and bottom edge are single cut.

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
6"	150	3/8"	9.7	11/64"	4.5	—	—	—	31.268	—	31.269	—



ROUND

Gradually tapered, cut and workable to the point. Used where it is necessary to enlarge a hole or round off a radius. **Double cut.**

Length		Diameter		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)							
4"	100	5/32"	4.0	—	31.280	—	31.282	—	31.283	—
6"	150	15/64"	6.0	—	31.288	31.289	31.290	—	31.292	—
8"	200	5/16"	8.0	—	31.295	31.296	31.297	—	31.298	—



ROUND PARALLEL

Cut over the entire surface (does not taper to point). **Double cut.**

Length		Diameter		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)							
4"	100	1/16"	1.6	—	31.304	—	31.305	—	—	—
4"	100	7/64"	2.8	—	31.307	—	—	—	—	—
6"	150	3/32"	2.3	—	31.311	—	31.312	—	—	—
6"	150	1/8"	3.0	—	31.315	—	31.316	—	—	—
6"	150	11/64"	4.4	—	31.322	—	31.323	—	—	—



SCREWHEAD with TANG

A narrow diamond shaped section with short bevels to form sharp edges. Used for filing slots in small screws.

Single cut on both edges – Both sides are safe.

Length		Width		Thickness		Thickness		Thickness	
(in)	(mm)	(in)	(mm)	2 (.028") (.70 mm)	4 (.022") (.55 mm)	6 (.018") (.45 mm)	8 (.014") (.35 mm)		
3"	75	23/64"	9.0	31.332	31.334	31.335	31.336		



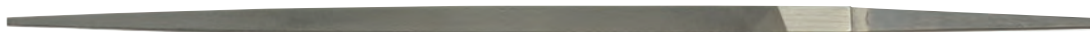
SLITTING

Parallel in width with identical contour on top and bottom. Thinner than knife files and used for filing slots.

Double cut top and bottom – Both edges are single cut.

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
6"	150	19/32"	15.0	1/8"	3.3	—	31.342	—	31.343	—	—	—

GROBET SWISS PATTERN PRECISION FILES



SQUARE

A general purpose file, cut and usable to the point. Gradually tapered. **Double cut on all four sides.**

Length		Width		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)							
4"	100	5/32"	4.0	—	—	—	31.348	—	—	—
6"	150	13/64"	5.0	—	31.350	31.351	31.352	—	—	—
8"	200	9/32"	7.0	—	—	—	31.356	—	—	—



THREE-SQUARE

Gradually tapered, cut and workable to the point. **Double cut on all three sides.**

Length		Width		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)							
4"	100	15/64"	6.0	—	31.367	—	31.369	—	—	—
6"	150	23/64"	9.0	—	31.372	31.373	31.374	—	31.375	—
8"	200	33/64"	13.0	—	31.377	31.378	31.379	—	—	—



THREE-SQUARE SLIM

Same as three-square, except thinner, for working in smaller areas. **Double cut on all three sides.**

Length		Width		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)							
6"	150	19/64"	7.5	—	—	—	31.382	—	—	—

Use plastic file handles: size 4.



VUL-CRYLIC

Double-cut vulcanite file with open, coarse teeth. One end is coarser than the other. For filing plastics, waxes and soft materials. **Double cut on both sides of coarse end. One side single cut and one side double cut on other end.**

Length		Width		Thickness		No.
(in)	(mm)	(in)	(mm)	(in)	(mm)	
7"	175	1/2"	12.6	9/64	3.6	31.385
8"	200	17/32"	13.5	5/32	4.0	31.384



WARDING

Parallel in thickness and tapered in width. Useful for removal of burs. **Double cut top and bottom – Both edges are single cut.**

Length		Width		Thickness		Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)							
3"	75	23/64"	9.0	1/32"	0.5	—	—	—	31.388	—	—	—
4"	100	31/64"	12.5	3/64"	1.0	31.389	31.390	—	31.391	—	31.392	—
6"	150	5/8"	16.0	5/64"	2.0	31.393	31.394	—	31.395	—	31.396	—

GROBET INOX SWISS PATTERN PRECISION FILES

The File with the Yellow Tang

With Rockwell hardness 72HRC – the hardest surface known - these files have a longer life than standard files. Highly resistant to corrosion. Little or no clogging - a simple knock removes the chips. High performance files for platinum, stainless steel, exotic plastics, and other hard to file materials.



BARRETTE

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6"	150	5/8"	16.0	5/32"	4.0	—	30.201V	30.202V



HALF ROUND

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6"	150	5/8"	16.0	11/64"	4.5	—	30.231V	30.232V
8"	200	53/64"	21.0	15/64"	6.0	—	—	30.235V



HALF ROUND SLIM

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6"	150	15/32"	12.0	9/64"	3.5	—	30.241V	30.242V



HAND

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6"	150	45/64"	18.0	5/32"	4.0	30.210V	30.211V	30.212V
8"	200	55/64"	22.0	13/64"	5.0	30.213V	30.214V	30.215V



PILLAR

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6"	150	33/64"	13.0	5/32"	4.0	—	30.221V	30.222V



ROUND

Overall Length		Diameter		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)			
8"	200	5/16"	8.0	—	30.254V	30.255V



THREE-SQUARE

Overall Length		Width		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)			
8"	200	33/64"	13.0	—	30.264V	30.265V

GROBET NEEDLE FILES with Rounded Knurled Handles

Precision files for exacting work. Made with high quality steel. Strict tolerances for size, uniform cut, and hardness. Round knurled handles aid gripping. Used by mold makers, goldsmiths, gunsmiths, and musical instrument manufacturers for precise finishing on small surfaces.

- Length 4" (100 mm) has cut portion of 1-3/4" (44 mm)
- Length 5-1/2" (140 mm) has cut portion of 2-1/2" (64 mm)
- Length 6-1/4" (160 mm) has cut portion of 3" (76 mm)
- Length 7-3/4" (200 mm) has cut portion of 4-1/8" (105 mm)



BARRETTE

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
4"	100	5/32"	3.7	1/16	1.4	—	31.450	31.451	—	—
5-1/2"	140	3/16"	5.0	5/64	2.1	—	31.453	31.454	31.456	—
6-1/4"	160	7/32"	5.3	5/64	2.1	31.458	31.459	31.461	31.463	31.464
7-3/4"	200	15/64"	5.9	3/32	2.2	31.465	31.466	31.468	31.470	—



BARRETTE, GROUND BACK

Widely used in making and repairing extrusion dies.

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	3/16"	5.0	5/64"	2.1	—	31.693	—	—	—
6-1/4"	160	7/32"	5.3	5/64"	2.1	—	31.694	—	—	—



CROCHET

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	7/32"	5.6	3/64"	1.3	—	—	31.478	—	—
6-1/4"	160	15/64"	6.0	1/16"	1.4	—	—	31.481	—	—



CROSSING

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	11/64"	4.5	5/64"	2.1	—	31.487	31.488	31.489	—
6-1/4"	160	13/64"	5.0	3/32"	2.3	—	31.490	31.491	31.492	31.493
7-3/4"	200	1/4"	6.2	3/32"	2.4	—	31.494	31.495	31.496	—



EQUALLING

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
4"	100	9/64"	3.5	1/32"	0.9	—	31.498	31.499	31.500	—
5-1/2"	140	13/64"	5.1	3/64"	1.3	—	31.501	31.502	31.503	—
6-1/4"	160	7/32"	5.5	1/16"	1.4	31.505	31.506	31.508	31.510	31.511
7-1/4"	200	1/4"	6.4	1/16"	1.6	—	31.512	31.513	31.514	—

GROBET NEEDLE FILES with Rounded Knurled Handles



HALF-ROUND

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
4"	100	9/64"	3.6	3/64"	1.1	—	31.516	31.517	31.518	—
5-1/2"	140	13/64"	5.0	1/16"	1.7	—	31.519	31.520	31.522	—
6-1/4"	160	7/32"	5.6	5/64"	1.8	31.524	31.525	31.527	31.529	31.530
7-3/4"	200	1/4"	6.5	5/64"	2.0	31.53101	31.531	31.533	31.535	—



JOINT ROUND EDGE

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	7/32"	5.6	3/64"	1.3	—	31.540	31.541	31.542	—
6-1/4"	160	15/64"	6.0	1/16"	1.4	—	31.543	31.544	31.545	—



KNIFE

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
4"	100	5/32"	4.0	3/64"	1.1	—	31.551	31.552	31.553	—
5-1/2"	140	7/32"	5.5	1/16"	1.5	—	31.554	31.555	31.556	—
6-1/4"	160	15/64"	5.8	1/16"	1.7	—	31.558	31.559	31.561	31.562
7-3/4"	200	1/4"	6.5	3/32"	2.2	—	31.563	31.564	—	—



MARKING

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	13/64"	5.0	1/16"	1.7	—	31.570	31.571	31.572	—
6-1/4"	160	7/32"	5.6	5/64"	1.8	—	31.573	31.574	31.575	—



OVAL

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
6-1/4"	160	5/32"	4.1	7/64"	2.6	—	—	31.579	31.580	—



ROUND

Overall Length		Diameter		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)					
4"	100	3/32"	2.2	—	31.582	31.583	31.584	—
5-1/2"	140	1/8"	3.0	—	31.585	31.586	31.588	—
6-1/4"	160	9/64"	3.25	31.590	31.591	31.593	31.595	31.596
7-3/4"	200	5/32"	3.75	31.59701	31.597	31.598	31.599	—

GROBET NEEDLE FILES with Rounded Knurled Handles



SLITTING

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
5-1/2"	140	3/16"	4.9	3/32"	2.3	—	31.604	31.605	31.606	—
6-1/4"	160	13/64"	5.3	7/64"	2.6	—	—	31.608	31.609	31.610



SQUARE

Overall Length		Width		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)					
4"	100	1/16"	1.7	—	31.612	31.613	31.614	—
5-1/2"	140	3/32"	2.4	—	31.615	31.616	31.617	—
6-1/4"	160	3/32"	2.5	31.619	31.620	31.622	31.624	31.625
7-3/4"	200	1/8"	3.0	—	31.626	31.627	31.628	—



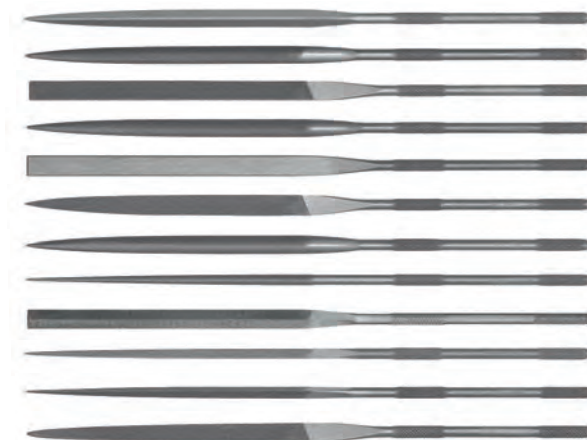
THREE SQUARE

Overall Length		Width		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)					
4"	100	7/64"	2.8	—	31.630	31.631	31.632	—
5-1/2"	140	9/64"	3.5	—	31.633	31.634	31.636	—
6-1/4"	160	9/64"	3.7	31.637	31.638	31.640	31.642	31.643
7-3/4"	200	11/64"	4.4	31.644	31.645	31.647	31.649	31.650



WARDING

Overall Length		Width		Thickness		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)	(in)	(mm)	(in)	(mm)					
4"	100	9/64"	3.5	1/32"	0.9	—	31.656	31.657	—	—
5-1/2"	140	13/64"	5.1	3/64"	1.3	—	31.659	31.660	31.661	—
6-1/4"	160	7/32"	5.5	1/16"	1.4	—	31.663	31.664	31.666	31.667
7-3/4"	200	1/4"	6.4	1/16"	1.6	—	31.668	—	—	—



SETS of 12 ASSORTED GROBET NEEDLE FILES with Rounded Knurled Handles

All 12 piece sets contain popular shapes from above, in the cut indicated.

Overall Length		Cut 00	Cut 0	Cut 2	Cut 4	Cut 6
(in)	(mm)					
4"	100	—	31.672	31.673	—	—
5-1/2"	140	—	31.675	31.676	31.677	—
6-1/4"	160	—	31.679	31.680	31.681	31.682
7-3/4"	200	—	—	31.684	—	—

GROBET NEEDLE FILES with Plastic Handles

Precision files made of the highest quality steel and plastic handles. Machined and finished for precision, shape, accuracy and balance. Perfect for exacting work and especially under magnification.

- Length 4" (100 mm) has cut portion of 1-3/4" (44 mm)
- Length 5-1/2" (140 mm) has cut portion of 2-1/2" (64 mm)
- Length 6-1/4" (160 mm) has cut portion of 3" (76 mm)
- Length 7-3/4" (200 mm) has cut portion of 4-1/8" (105 mm)



BARRETTE

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
4"	100	5/32"	3.7	1/16"	1.4	30.450	—	—
5-1/2"	140	3/16"	5.0	5/64"	2.1	30.453	30.454	30.456
6-1/4"	160	7/32"	5.3	5/64"	2.1	30.459	30.461	30.463



CROSSING

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
5-1/2"	140	11/64"	4.5	5/64"	2.1	30.487	30.488	30.489
6-1/4"	160	13/64"	5.0	3/32"	2.3	30.490	30.491	30.492



EQUALLING

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
4"	100	9/64"	3.5	1/32"	0.9	30.498	30.499	—
5-1/2"	140	13/64"	5.1	3/64"	1.3	30.501	30.502	30.503
6-1/4"	160	7/32"	5.5	1/16"	1.4	30.506	30.508	30.510



HALF-ROUND

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
4"	100	9/64"	3.6	3/64"	1.1	30.516	30.517	—
5-1/2"	140	13/64"	5.0	1/16"	1.7	30.519	30.520	30.522
6-1/4"	160	7/32"	5.6	5/64"	1.8	30.525	30.527	30.529



JOINT ROUND EDGE

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
5-1/2"	140	7/32"	5.6	3/64"	1.3	30.540	30.541	30.542
6-1/4"	160	15/64"	6.0	1/16"	1.4	30.543	30.544	30.545

GROBET NEEDLE FILES with Plastic Handles



KNIFE

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
4"	100	5/32"	4.0	3/64"	1.1	30.551	30.552	—
5-1/2"	140	7/32"	5.5	1/16"	1.5	30.554	30.555	30.556
6-1/4"	160	15/64"	5.8	1/16"	1.7	30.558	30.559	30.561



ROUND

Overall Length		Diameter		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)			
4"	100	3/32"	2.2	30.582	30.583	—
5-1/2"	140	1/8"	3.0	30.585	30.586	30.588
6-1/4"	160	9/64"	3.25	30.591	30.593	30.595



SQUARE

Overall Length		Width		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)			
4"	100	3/32"	2.2	30.612	30.613	—
5-1/2"	140	1/8"	2.4	30.615	30.616	30.617
6-1/4"	160	9/64"	2.5	30.620	30.622	30.624



THREE SQUARE

Overall Length		Width		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)			
4"	100	7/64"	2.8	30.630	30.631	—
5-1/2"	140	9/64"	3.5	30.633	30.634	30.636
6-1/4"	160	9/64"	3.7	30.638	30.640	30.642



WARDING

Overall Length		Width		Thickness		Cut 0	Cut 2	Cut 4
(in)	(mm)	(in)	(mm)	(in)	(mm)			
5-1/2"	140	13/64"	5.1	3/64"	1.3	30.659	30.660	30.661
6-1/4"	160	7/32"	5.5	1/16"	1.4	30.663	30.664	30.666

GROBET INOX NEEDLE FILES

The File with the Yellow Tang

With Rockwell hardness 72HRC – the hardest surface known - these files have a longer life than standard files. Highly resistant to corrosion. Little or no clogging - a simple knock removes the chips. High performance files for platinum, stainless steel, exotic plastics, and other hard to file materials. Overall length is 7" (180 mm).



BARRETTE

Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)			
7/32"	5.4	3/32"	2.3	—	30.101V	30.102V



EQUALLING

Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)			
15/64"	6.0	1/16"	1.5	—	30.104V	30.105V



HALF-ROUND

Width		Thickness		Cut 00	Cut 0	Cut 2
(in)	(mm)	(in)	(mm)			
15/64"	6.0	5/64"	2.0	—	30.107V	30.108V



ROUND

Width		Cut 00	Cut 0	Cut 2
(in)	(mm)			
9/64"	3.5	—	30.119V	30.120V



SQUARE

Width		Cut 00	Cut 0	Cut 2
(in)	(mm)			
7/64"	2.7	—	30.116V	30.117V



THREE-SQUARE

Width		Cut 00	Cut 0	Cut 2
(in)	(mm)			
5/32"	4.1	—	30.113V	30.114V

SET of SIX GROBET INOX NEEDLE FILES

Cut	Set No.
0	30.122V
2	30.123V



TEBORG NEEDLE FILES

Well made, yet economical. These needle files are made of chrome alloy steel. Overall length is 5-1/2" (140 mm) with the cut portion 3" (76.2 mm). Sold by the dozen.



BARRETTE

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.880	33.881



CROSSING

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.882	33.883



EQUALLING

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.884	33.885



HALF-ROUND

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.886	33.887



KNIFE

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.890	33.891

TEBORG NEEDLE FILES



SQUARE

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.898	--



ROUND

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.894	33.895



THREE-SQUARE

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.900	33.901



WARDING

Overall Length		Medium	Fine
(in)	(mm)		
5-1/2"	140	33.902	33.903

TEBORG NEEDLE FILE SETS

Assorted shapes in a vinyl pouch.

Cut	Set of 6	Set of 12
Medium	33.906	33.908
Fine	33.907	33.909



MASCOT® NEEDLE FILES

Single-cut files do not clog as easily as double-cut files. Overall length 5-1/2" (140 mm). Smooth cut only. Sold individually.



EQUALLING

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.860



WARDING

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.861



HALF-ROUND

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.862



ROUND

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.863



SQUARE

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.864



THREE-SQUARE

Overall Length		Single-Cut
(in)	(mm)	
5-1/2"	140	33.865

MASCOT® NEEDLE FILE SET

Set of six different styles: equalling, flat, half-round, round, square, and three-square styles in a vinyl pouch.

No. **33.867**



GROBET ESCAPEMENT FILES

Also known as square handled needle files. These precision files are available in most of the needle file shapes. Overall length is 5-1/2" (140 mm), with length of cut 2-1/8" (55 mm).



BARRETTE

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
9/64	3.7	3/64	1.3	31.700	31.701	31.703	31.704	31.705



BARRETTE, PARALLEL

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
5/32	4.0	3/64	1.3	—	31.708	31.709	31.710	—



CROSSING

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
9/64	3.7	1/16	1.6	—	31.714	31.715	31.716	—



EQUALLING

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
13/64	5.0	3/64	1.2	—	31.737	—	—	—



HALF-ROUND

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
9/64	3.7	3/64	1.3	—	31.725	31.727	31.728	31.729



KNIFE

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
11/64	4.3	3/64	1.3	—	31.731	31.732	31.733	—



PILLAR

Width		Thickness		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)	(in)	(mm)					
9/64	3.5	3/64	1.0	—	31.720	31.721	31.722	—

GROBET ESCAPEMENT FILES



ROUND

Diameter		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)					
5/64"	1.8	31.742	31.743	31.745	31.746	31.747



SQUARE

Width		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)					
5/64"	2.0	—	31.755	31.756	31.757	31.758



THREE-SQUARE

Width		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)					
1/8"	3.0	—	31.761	31.762	31.763	—



THREE-SQUARE SLIM

Width		Cut 0	Cut 2	Cut 4	Cut 6	Cut 8
(in)	(mm)					
9/64"	2.5	—	—	31.767	31.768	—

GROBET ESCAPEMENT FILE SETS

Each set contains 12 assorted files in a vinyl pouch.

Cut	Set No.
2	31.770
4	31.771
6	31.772



ERGO GRIP FILES

These files offer the craftsman something different. Ergo grip files are precision files designed for those “in-between” jobs that are too big for needle files and that require finer control than a larger, heavier file can deliver. They are shaped for easy handling and balanced for efficient cutting. The distinctive design includes a built-in handle. There is no separate handle to buy. These files are strong, durable, and offer versatility. Length of cut is 4" (100 mm) and the overall length is 8-1/2" (215 mm). Sold individually or in sets of five.



HAND



Width		Thickness		Cut 00	Cut 1
(in)	(mm)	(in)	(mm)		
25/64"	10	3/32"	2.5	33.820	33.821



HALF-ROUND



Width		Thickness		Cut 00	Cut 1
(in)	(mm)	(in)	(mm)		
15/32"	12.0	9/64"	3.5	33.822	33.823



ROUND



Width		Cut 00	Cut 1
(in)	(mm)		
1/4"	6.5	33.824	33.825



SQUARE



Width		Cut 00	Cut 1
(in)	(mm)		
13/64"	5.0	33.826	33.827



THREE-SQUARE



Width		Cut 00	Cut 1
(in)	(mm)		
3/8"	9.5	33.828	33.829

SET of ERGO GRIP FILES

Each set contains five files, one of each shape.

Cut	Set No.
00	33.831
1	33.832



GROBET DIE SINKERS' RIFFLERS *(See style number cross reference chart on page 29)*

A comprehensive selection of precision rifflers. All are double-ended and measure 6" (150 mm) long.

Style No.	Cut 0	Cut 2	Cut 4	
502	31.838	31.839	—	
Style No.	Cut 0	Cut 2	Cut 4	
503	31.846	31.847	—	
Style No.	Cut 0	Cut 2	Cut 4	
505	31.850	31.851	—	
Style No.	Cut 0	Cut 2	Cut 4	
506	31.854	31.855	—	
Style No.	Cut 0	Cut 2	Cut 4	
507	31.858	31.859	—	
Style No.	Cut 0	Cut 2	Cut 4	
508	31.862	31.863	—	
Style No.	Cut 0	Cut 2	Cut 4	
509	31.865	31.866	—	
Style No.	Cut 0	Cut 2	Cut 4	
511	31.869	31.870	—	

GROBET DIE SINKERS' RIFFLERS *(See style number cross reference chart on page 29)*



Style No.	Cut 0	Cut 2	Cut 4
512	—	31.873	—



Style No.	Cut 0	Cut 2	Cut 4
515	31.882	—	—



Style No.	Cut 0	Cut 2	Cut 4
517	—	31.889	—



Style No.	Cut 0	Cut 2	Cut 4
518	—	31.893	—



Style No.	Cut 0	Cut 2	Cut 4
519	31.896	31.897	—



Style No.	Cut 0	Cut 2	Cut 4
522	31.903	31.904	—



Style No.	Cut 0	Cut 2	Cut 4
523	31.906	31.907	—



Style No.	Cut 0	Cut 2	Cut 4
525	31.917	31.918	—

GROBET DIE SINKERS' RIFFLERS (See style number cross reference chart on page 29)

Style No.	Cut 0	Cut 2	Cut 4	
526	31.921	31.922	—	
Style No.	Cut 0	Cut 2	Cut 4	
527	31.925	31.926	—	
Style No.	Cut 0	Cut 2	Cut 4	
529	31.932	31.933	—	
Style No.	Cut 0	Cut 2	Cut 4	
531	31.939	31.940	—	
Style No.	Cut 0	Cut 2	Cut 4	
532	31.943	31.944	—	
Style No.	Cut 0	Cut 2	Cut 4	
533	31.946	31.947	—	
Style No.	Cut 0	Cut 2	Cut 4	
534	—	31.951	31.952	
Style No.	Cut 0	Cut 2	Cut 4	
536	31.957	31.958	31.959	

GROBET DIE SINKERS' RIFFLERS (See style number cross reference chart on page 29)



Style No.	Cut 0	Cut 2	Cut 4
537	31.961	31.962	—



Style No.	Cut 0	Cut 2	Cut 4
538	—	31.966	—



Style No.	Cut 0	Cut 2	Cut 4
539	31.969	31.970	—



Style No.	Cut 0	Cut 2	Cut 4
541	31.972	31.973	31.974



Style No.	Cut 0	Cut 2	Cut 4
542	31.976	31.977	—



Style No.	Cut 0	Cut 2	Cut 4
543	31.979	31.980	—



Style No.	Cut 0	Cut 2	Cut 4
544	31.983	31.984	—



Style No.	Cut 0	Cut 2	Cut 4
545	31.986	31.987	—

GROBET DIE SINKERS' RIFFLERS *(See style number cross reference chart below)*



Style No.	Cut 0	Cut 2	Cut 4
546	31.990	31.991	31.992

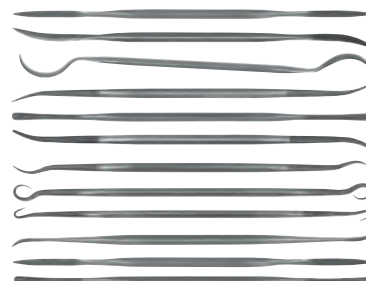


Style No.	Cut 0	Cut 2	Cut 4
552	—	—	32.012

DIE SINKERS' RIFFLER SETS

Each set contains the most widely used shapes described in pages 25 through 29.

Pieces In Set	Cut 0	Cut 2	Cut 4
12	32.020	32.021	32.022
18	—	32.025	32.026
24	—	32.029	—



New Style Number Cross Reference Chart

Item No.	New Description	Old Style No.	New Style No.	Item No.	New Description	Old Style No.	New Style No.	Item No.	New Description	Old Style No.	New Style No.
31.794	Riffler-Diemaker #604 7 Cut 0	711	604	31.850	Riffler-Diesinker #505 6 Cut 0	911	505	31.943	Riffler-Diesinker #532 6 Cut 0	964	532
31.795	Riffler-Diemaker #604 7 Cut 2	711	604	31.851	Riffler-Diesinker #505 6 Cut 2	911	505	31.944	Riffler-Diesinker #532 6 Cut 2	964	532
31.796	Riffler-Diemaker #605 7 Cut 0	712	605	31.854	Riffler-Diesinker #506 6 Cut 0	912	506	31.946	Riffler-Diesinker #533 6 Cut 0	965	533
31.797	Riffler-Diemaker #605 7 Cut 2	712	605	31.855	Riffler-Diesinker #506 6 Cut 2	912	506	31.947	Riffler-Diesinker #533 6 Cut 2	965	533
31.798	Riffler-Diemaker #606 7 Cut 0	713	606	31.858	Riffler-Diesinker #507 6 Cut 0	913	507	31.951	Riffler-Diesinker #534 6 Cut 2	970	534
31.799	Riffler-Diemaker #606 7 Cut 2	713	606	31.859	Riffler-Diesinker #507 6 Cut 2	913	507	31.952	Riffler-Diesinker #534 6 Cut 4	970	534
31.800	Riffler-Diemaker #607 7 Cut 0	731	607	31.862	Riffler-Diesinker #508 6 Cut 0	914	508	31.957	Riffler-Diesinker #536 6 Cut 0	972	536
31.801	Riffler-Diemaker #607 7 Cut 2	731	607	31.863	Riffler-Diesinker #508 6 Cut 2	914	508	31.958	Riffler-Diesinker #536 6 Cut 2	972	536
31.802	Riffler-Diemaker #608 7 Cut 0	732	608	31.865	Riffler-Diesinker #509 6 Cut 0	915	509	31.959	Riffler-Diesinker #536 6 Cut 4	972	536
31.803	Riffler-Diemaker #608 7 Cut 2	732	608	31.866	Riffler-Diesinker #509 6 Cut 2	915	509	31.961	Riffler-Diesinker #537 6 Cut 0	973	537
31.804	Riffler-Diemaker #609 7 Cut 0	741	609	31.869	Riffler-Diesinker #511 6 Cut 0	917	511	31.962	Riffler-Diesinker #537 6 Cut 2	973	537
31.805	Riffler-Diemaker #609 7 Cut 2	741	609	31.870	Riffler-Diesinker #511 6 Cut 2	917	511	31.966	Riffler-Diesinker #538 6 Cut 2	974	538
31.806	Riffler-Diemaker #610 7 Cut 0	750	610	31.873	Riffler-Diesinker #512 6 Cut 2	918	512	31.969	Riffler-Diesinker #539 6 Cut 0	975	539
31.807	Riffler-Diemaker #610 7 Cut 2	750	610	31.882	Riffler-Diesinker #515 6 Cut 0	930	515	31.970	Riffler-Diesinker #539 6 Cut 2	975	539
31.808	Riffler-Diemaker #611 7 Cut 0	761	611	31.889	Riffler-Diesinker #517 6 Cut 2	940	517	31.972	Riffler-Diesinker #541 6 Cut 0	981	541
31.809	Riffler-Diemaker #611 7 Cut 2	761	611	31.893	Riffler-Diesinker #518 6 Cut 2	941	518	31.973	Riffler-Diesinker #541 6 Cut 2	981	541
31.810	Riffler-Diemaker #612 7 Cut 0	762	612	31.896	Riffler-Diesinker #519 6 Cut 0	942	519	31.974	Riffler-Diesinker #541 6 Cut 4	981	541
31.811	Riffler-Diemaker #612 7 Cut 2	762	612	31.897	Riffler-Diesinker #519 6 Cut 2	942	519	31.976	Riffler-Diesinker #542 6 Cut 0	982	542
31.812	Riffler-Diemaker #613 7 Cut 0	763	613	31.903	Riffler-Diesinker #522 6 Cut 0	951	522	31.977	Riffler-Diesinker #542 6 Cut 2	982	542
31.813	Riffler-Diemaker #613 7 Cut 2	763	613	31.904	Riffler-Diesinker #522 6 Cut 2	951	522	31.979	Riffler-Diesinker #543 6 Cut 0	983	543
31.816	Riffler-Diemaker #615 7 Cut 0	771	615	31.906	Riffler-Diesinker #523 6 Cut 0	952	523	31.980	Riffler-Diesinker #543 6 Cut 2	983	543
31.817	Riffler-Diemaker #615 7 Cut 2	771	615	31.907	Riffler-Diesinker #523 6 Cut 2	952	523	31.983	Riffler-Diesinker #544 6 Cut 0	984	544
31.818	Riffler-Diemaker #616 7 Cut 0	781	616	31.917	Riffler-Diesinker #525 6 Cut 0	955	525	31.984	Riffler-Diesinker #544 6 Cut 2	984	544
31.819	Riffler-Diemaker #616 7 Cut 2	781	616	31.918	Riffler-Diesinker #525 6 Cut 2	955	525	31.986	Riffler-Diesinker #545 6 Cut 0	985	545
31.826	Riffler-Diemaker #620 7 Cut 0	795	620	31.921	Riffler-Diesinker #526 6 Cut 0	956	526	31.987	Riffler-Diesinker #545 6 Cut 2	985	545
31.827	Riffler-Diemaker #620 7 Cut 2	795	620	31.922	Riffler-Diesinker #526 6 Cut 2	956	526	31.990	Riffler-Diesinker #546 6 Cut 0	986	546
31.830	Riffler-Diemaker #603 7 Cut 0	710	603	31.925	Riffler-Diesinker #527 6 Cut 0	957	527	31.991	Riffler-Diesinker #546 6 Cut 2	986	546
31.834	Riffler-Diemaker #603 7 Cut 2	710	603	31.926	Riffler-Diesinker #527 6 Cut 2	957	527	32.012	Riffler-Diesinker #552 6 Cut 4	996	552
31.838	Riffler-Diesinker #502 6 Cut 0	901	502	31.932	Riffler-Diesinker #529 6 Cut 0	961	529	32.075	Riffler-Toolmaker #652 12 Cut 0	410	652
31.839	Riffler-Diesinker #502 6 Cut 2	901	502	31.933	Riffler-Diesinker #529 6 Cut 2	961	529	32.077	Riffler-Toolmaker #659 12 Cut 0	411	659
31.846	Riffler-Diesinker #503 6 Cut 0	905	503	31.939	Riffler-Diesinker #531 6 Cut 0	963	531				
31.847	Riffler-Diesinker #503 6 Cut 2	905	503	31.940	Riffler-Diesinker #531 6 Cut 2	963	531				

GROBET TOOL MAKERS' RIFFLERS *(See style number cross reference chart on page 29)*

These rifflers are made of chrome-alloy steel for long, efficient life and corrosion resistance. They are contoured to make difficult-to-reach areas readily accessible and are well balanced to facilitate delicate finishing work. All are doubled ended. Length is 12" (300 mm).



Style No.	Cut 00	Cut 0
410	—	32.075



Style No.	Cut 00	Cut 0
411	—	32.077

GROBET SILVERSMITHS' RIFFLERS *(See style number cross reference chart on page 29)*

For removing metal and smoothing in tight places. All are double-ended and 7" (180 mm) long.



Style No.	Cut 0	Cut 2
603	31.830	31.834



Style No.	Cut 0	Cut 2
604	31.794	31.795



Style No.	Cut 0	Cut 2
605	31.796	31.797



Style No.	Cut 0	Cut 2
606	31.798	31.799



Style No.	Cut 0	Cut 2
607	31.800	31.801



Style No.	Cut 0	Cut 2
608	31.802	31.803

GROBET SILVERSMITHS' RIFFLERS (See style number cross reference chart on page 29)


Style No.	Cut 0	Cut 2
609	31.804	31.805



Style No.	Cut 0	Cut 2
610	31.806	31.807



Style No.	Cut 0	Cut 2
611	31.808	31.809



Style No.	Cut 0	Cut 2
612	31.810	31.811



Style No.	Cut 0	Cut 2
613	31.812	31.813



Style No.	Cut 0	Cut 2
615	31.816	31.817



Style No.	Cut 0	Cut 2
616	31.818	31.819



Style No.	Cut 0	Cut 2
620	31.826	31.827

ASSORTED SILVERSMITHS' RIFFLER SETS

Contains 12 popular riffer shapes from above, in the cut indicated.

Cut	Set No.
0	31.831
2	31.832



WAX RASP FILES

Designed for shaping waxes. Excellent for other materials; such as wood and plastic. Wide-tooth style does not clog as easily as conventional files. Overall length 5-1/2" (140 mm).



EQUALLING

Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.915



FLAT

Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.916



HALF-ROUND

Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.917



ROUND

Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.918



SQUARE

Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.919



THREE-SQUARE

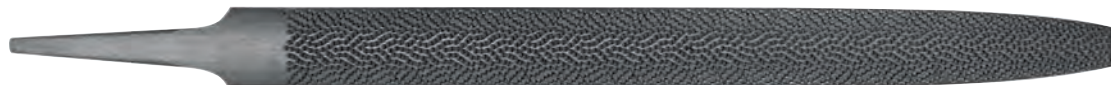
Overall Length		Rasp
(in)	(mm)	
5-1/2"	140	33.920

WAX RASP FILE SET

All six shapes listed above in a handy vinyl pouch.
No. **33.922**



GROBET RASP FILES with TANG



SWISS HALF ROUND SLIM THIN RASP

Overall Length		Cut 6	Cut 7
(in)	(mm)		
10"	250	30.965	30.966

ERGO GRIP RASPS

The comfortable-to-use, conveniently-sized Ergo Grip style is available in five shapes. The built-in handle and balanced feel will help you work faster, with better control. For cutting wood, fiberglass, plastics or soft metals. Offered individually in the most popular shapes or as a set of all five.



HAND

Overall Length		Rasp
(in)	(mm)	
10"	215	33.834



HALF-ROUND

Overall Length		Rasp
(in)	(mm)	
10"	215	33.835



ROUND

Overall Length		Rasp
(in)	(mm)	
10"	215	33.836



Square

Overall Length		Rasp
(in)	(mm)	
10"	215	33.837



Three-Square

Overall Length		Rasp
(in)	(mm)	
10"	215	33.838

ERGO GRIP RASP SET

Set contains five ergo grip rasps as described above in a vinyl pouch. No. 33.840



DIAMOND NEEDLE FILES

These Diamond Needle Files offer excellent material removal as a result of the unique process that bonds the 2-1/2" (64mm) long diamond surface. Engineered to deliver performance on ultra-hard materials unequaled by any other file. Carbide, hardened steel, exotic metals, ceramics, and glass are no match for these precision files. Available in fine grit, medium grit, and coarse grit. Overall length is 5-1/2" (140 mm). Sold individually or in sets, as listed on Page 35.



BARRETTE

Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.958	33.980	34.004



CROSSING

Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.959	33.984	—



EQUALLING

Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.961	33.971	34.005



HALF-ROUND

Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.962	33.972	34.006



ROUND

Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.963	33.973	34.007

DIAMOND NEEDLE FILES



SQUARE



Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(mm)			
5-1/2"	140	33.964	33.974	34.008



THREE-SQUARE



Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(cm)			
5-1/2"	14	33.965	33.975	34.009



CROCHET



Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(cm)			
5-1/2"	14	33.966	33.976	—



WARDING



Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(cm)			
5-1/2"	14	33.967	33.977	—



KNIFE



Overall Length		Fine Grit (170/220)	Medium Grit (120/140)	Coarse Grit (80/100)
(in)	(cm)			
5-1/2"	14	33.968	33.978	—

DIAMOND NEEDLE FILE SETS

Contains one each of equaling, half-round, round, square, and three-square.

Grit	Set No.
Fine	33.960
Medium	33.970



ECONO DIAMOND NEEDLE FILES

Unique process that bonds the 2-1/2" long diamond surface – at an affordable price. Provides excellent material removal for ultra-hard materials – metals, ceramics, and glass. Available in medium grit (120/140). Overall length is 5-1/2" (140 mm). Sold individually or in a set as listed below.



BARRETTE

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.011



EQUALLING

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.012



HALF-ROUND

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.013



ROUND

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.014



SQUARE

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.015



THREE-SQUARE

Overall Length		Medium Grit (120/140)
(in)	(mm)	
5-1/2"	140	34.016

ECONO DIAMOND NEEDLE FILE SET

Contains 5 assorted files from the list above in a handy vinyl pouch.
No. **34.020**



DIAMOND ESCAPEMENT FILES

These square handle files have a diamond surface of 1-9/16" to 2-9/16" (40 to 65 mm) according to shape. Available in 126 grit. Used in fine watchmaking, in finishing fine castings and other delicate work. Sold individually or in a set as listed below.



HALF-ROUND



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.951



CROSSING



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.952



THREE-SQUARE



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.953



EQUALLING



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.954



SQUARE



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.955



ROUND



Overall Length		126 Grit
(in)	(cm)	
5-1/2"	14	33.956

DIAMOND ESCAPEMENT FILE SET

Contains one of each 6 files listed above.

No. **33.957**



ERGO GRIP DIAMOND FILES

Excellent for filing large areas of different materials as well as hard plastics, fiberglass, graphite, and epoxy. Can also be used for marble shaping applications. In spite of the heavy-duty applications, these diamond files have a very high resistance to wear. Overall length is 8-1/2" (220 mm), and diamond surface is 4" (100 mm). 126 grit. Sold individually or in a kit as listed below.



THREE-SQUARE

Overall Length		126 Grit
(in)	(mm)	
8-1/2"	220	33.873



SQUARE

Overall Length		126 Grit
(in)	(mm)	
8-1/2"	220	33.874



ROUND

Overall Length		126 Grit
(in)	(mm)	
8-1/2"	220	33.875



HALF-ROUND

Overall Length		126 Grit
(in)	(mm)	
8-1/2"	220	33.876



HAND

Overall Length		126 Grit
(in)	(mm)	
8-1/2"	220	33.877

ERGO GRIP DIAMOND FILE SET

Contains one of each 5 files listed above in a vinyl pouch.
No. **33.852**



GROBET USA® DIAMOND FLEXI-FILES

The unique composite blank makes these files flexible, yet extremely strong and lightweight. The special "Dots" plating system allows for easy removal of the filed material, resulting in a superior finish. Reliable Performance. Easy to Clean. Long Lasting. Available in 3 Grits, Fine, Medium and Coarse

Specifications: 6-3/4" (170mm) length x 9/16" (14.3mm) wide x 1/16" (1.6mm) thick, Plated length 3-1/2"



Overall Length		Width		Thickness		Fine Grit	Medium Grit	Coarse Grit
(in)	(mm)	(in)	(mm)	(in)	(mm)			
6-3/4"	170	9/16"	14.3	1/16"	1.6	33.99701	33.99702	33.99703

DIAMOND RIFFLERS

Double-ended with diamond coating on both ends. Easy access to hard-to-reach places. Overall length is 6" (15 cm). 126 grit. Sold individually or in a set as listed below.



Style No.	Overall Length		126 Grit
	(in)	(cm)	
15	6"	15	33.991



Style No.	Overall Length		126 Grit
	(in)	(cm)	
18	6"	15	33.992



Style No.	Overall Length		126 Grit
	(in)	(cm)	
20	6"	15	33.993



Style No.	Overall Length		126 Grit
	(in)	(cm)	
22	6"	15	33.994



Style No.	Overall Length		126 Grit
	(in)	(cm)	
16	6"	15	33.995

GROBET USA® DIAMOND FLEXI-FILE SET

Contains one of each 5 files listed above in a vinyl pouch.
No. **33.996**



CHAIN SAW FILES



CHAIN SAW, ROUND

Use for sharpening all sizes of chain saw teeth. This file maintains the proper tooth shape throughout extensive use. It gives a fast, smooth cutting action and creates an excellent finish. **Double cut.**

Overall Length		Diameter		Part No.	Overall Length		Diameter		Part No.
(in)	(mm)	(in)	(mm)		(in)	(mm)	(in)	(mm)	
6"	150	1/8"	3.2	32.277	8"	200	3/16"	4.8	32.271
6"	150	5/32"	4.0	32.278	8"	200	13/64"	5.2	32.270
8"	200	5/32"	4.0	32.272	8"	200	7/32"	5.5	32.273
8"	200	11/64"	4.5	32.276	8"	200	1/4"	6.4	32.274



DEPTH GAUGE FILE

For lowering depth gauges on chain saws after sharpening with round chain saw file. **Single cut.**

Overall Length		Width		Thickness		Part No.
(in)	(mm)	(in)	(mm)	(in)	(mm)	
6"	150	9/16"	14.0	3/32"	2.3	32.269

SCRAPERS

Scrapers are ideal for cleaning, smoothing and deburring metals and plastics. Use to prepare surfaces for soldering, remove excess solders, open bezels, etc. Sharp from handle to tip and can be resharpened on a bench stone. All are securely mounted in hardwood handles. Made in the USA.



HOLLOW CURVED SCRAPER

2-1/2" blade
No. **52.140**



THREE-SQUARE MACHINIST'S SCRAPER

1-1/4" long sharpened point. Overall length is 6-1/2" with 4" long blade.
No. **52.180**



HOLLOW STRAIGHT SCRAPER

2-1/2" hollow straight blade.
No. **52.101**



THREE-SQUARE MACHINIST'S SCRAPERS

No.	Blade Length	Thickness
52.170	2"	3/16"
52.171	3"	3/16"
52.172	3-1/4"	1/4"
52.173	4"	5/16"

FILE HANDLE SIZE RECOMMENDED

FOR SWISS PATTERN PRECISION FILES

File Length:	4"	6"	8"	10"	12"	14"
Type/Shape						
Barrette	3	4	5	-	-	-
Checkering	-	4	-	-	-	-
Crochet	3	4	5	-	-	-
Crossing	2	4	5	-	-	-
Equalling	2	3	4	-	-	-
Half-Round	3	4	5	6	-	-
Hand	3	4	5	6	7	-
Knife	3	4	5	6	7	7
Pillar	3	4	4	6	6	-
Pippin	3	4	5	-	-	-

File Length:	4"	6"	8"	10"	12"	14"
Type/Shape						
Round	1	3	4	5	-	-
Round Parallel: 3/16" (4.8 mm)	-	2	3	-	-	-
Round Parallel: 1/4" (6.4 mm)	-	2	3	-	-	-
Round Parallel: 1/8" (3.2 mm)	1	1	-	-	-	-
Round Parallel: 5/32" (4.0 mm)	1	1	-	-	-	-
Round Parallel: 3/8" (9.5 mm)	-	-	4	-	-	-
Slitting	2	4	-	-	-	-
Square	2	3	4	5	6	-
Three-Square	2	4	4	5	6	-
Warding	2	4	5	6	7	-



BLUE PLASTIC FILE HANDLES/METAL GRIPPING INSERT

Unbreakable plastic, with textured surface for a non-slip grip. Hole at top permits convenient hang-up storage. Tang-gripping insert is tempered metal, with two threaded sections of different diameters. Handle can be reused; simply unscrew the file in use and insert a new one.

No.	Handle Size	No.	Handle Size
37.781	1	37.785	5
37.782	2	37.786	6
37.783	3	37.787	7
37.784	4	37.788	8



WOOD FILE HANDLES

With natural finish. Wound wire ferrule provides extra strength to prevent splitting. Select handle to fit files 2" to 20" (51 to 510 mm).

- No. 37.791 2"-4" (50-100 mm)
- No. 37.792 4"-6" (100-150 mm)
- No. 37.793 6"-10" (150-250 mm)
- No. 37.794 10"-14" (250-350 mm)
- No. 37.795 14"-16" (350-400 mm)
- No. 37.796 16"-20" (400-500 mm)



LUTZ WOOD FILE HANDLES

Sturdy, force-fit type of handle.

- No. 37.801 3"-6" (75-150 mm)
- No. 37.802 6"-8" (150-200 mm)
- No. 37.803 8"-12" (200-300 mm)
- No. 37.804 14"-16" (350-400 mm)



SKROO-ZON WOOD FILE HANDLE

Steel die inside wood handle cuts its own thread on file tang.

No. 37.820 For 6" (150 mm) files only.



FILE and BURNISHER HANDLE

Hardwood handle with metal ferrule. Overall length 3-3/4" (95.3 mm), 1/2" (12.7 mm) diameter.

No. 37.822



NEEDLE FILE HANDLE

Precision chuck in smooth wooden handle holds 5-1/2" (140 mm) and 6-1/4" (160 mm) needle files securely.

No. 37.830



1

2

1 FILE CLEANER with BRUSH

Handy bristles mounted on wood handle with steel wire brush on reverse side. Overall length 10" (250 mm).

No. 33.979

2 FILE CLEANER

Steel wire bristles mounted on wood handle, for removing particles clogging teeth of file. Overall length 10" (250 mm).

No. 33.981

NEEDLE FILE STAND

Attractive metal stand conveniently holds and displays up to 12 needle files in 4" (100 mm), 5-1/2" (140 mm), or 6-1/4" (160 mm) lengths. Free-standing on workbench, hanging on a peg, or snapped closed for carrying, this stand keeps your frequently used files visible and handy at all times. (Files not included.)

No. 31.685



Item No.	Page
30.101V - 30.102V	18
30.103V - 30.105V	18
30.106V - 30.108V	18
30.109V - 30.111V	18
30.112V - 30.114V	18
30.115V - 30.117V	18
30.118V - 30.120V	18
30.121V - 30.123V	18
30.201V - 30.202V	12
30.210V - 30.215V	12
30.221V - 30.222V	12
30.231V - 30.235V	12
30.241V - 30.242V	12
30.251V - 30.255V	12
30.261V - 30.265V	12
30.271V - 30.272V	12
30.450 - 30.463	16
30.487 - 30.492	16
30.498 - 30.510	16
30.516 - 30.529	16
30.540 - 30.545	16
30.551 - 30.561	17
30.582 - 30.595	17
30.612 - 30.624	17
30.630 - 30.642	17
30.656 - 30.666	17
30.965 - 30.966	33
31.018	7
31.021 - 31.033	7
31.035 - 31.038	7
31.040 - 31.045	7
31.047 - 31.054	8
31.058 - 31.060	8
31.065 - 31.074	8
31.080	8
31.102 - 31.124	8
31.127 - 31.132	8
31.140 - 31.157	11
31.177 - 31.187	9
31.201 - 31.217	9
31.220 - 31.235	9
31.237 - 31.261	9
31.267 - 31.272	10
31.280 - 31.298	10
31.304 - 31.323	10
31.332 - 31.335	10
31.342 - 31.343	10
31.348 - 31.356	11
31.367 - 31.379	11
31.382	11
31.384 - 31.385	11
31.388 - 31.396	11
31.450 - 31.471	13
31.478 - 31.488	13
31.487 - 31.496	13

Item No.	Page
31.498 - 31.514	13
31.516 - 31.535	14
31.5301	14
31.540 - 31.545	14
31.551 - 31.564	14
31.570 - 31.575	14
31.579 - 31.580	14
31.582 - 31.599	14
31.604 - 31.610	15
31.612 - 31.628	15
31.629 - 31.650	15
31.656 - 31.668	15
31.672 - 31.684	15
31.685	41
31.700 - 31.705	22
31.708 - 31.710	22
31.714 - 31.716	22
31.720 - 31.722	22
31.724 - 31.729	22
31.731 - 31.733	22
31.737	22
31.742 - 31.747	23
31.755 - 31.758	23
31.760 - 31.764	23
31.767 - 31.768	23
31.770 - 31.772	23
31.794 - 31.803	30
31.804 - 31.819	31
31.826, 31.827	31
31.831, 31.832	31
31.838, 31.839	25
31.846, 31.847	25
31.850, 31.851	25
31.854, 31.855	25
31.858, 31.859	25
31.862, 31.863	25
31.865, 31.866	25
31.869, 31.870	25
31.973	26
31.882	26
31.889	26
31.893	26
31.896, 31.897	26
31.903, 31.904	26
31.906, 31.907	26
31.917, 31.918	26
31.921, 31.922	27
31.925, 31.926	27
31.932, 31.933	27
31.939, 31.940	27
31.943, 31.944	27
31.946, 31.947	27
31.951	27
31.957 - 31.959	27
31.961, 31.962	28

Item No.	Page
31.966	28
31.969, 31.970	28
31.972 - 31.974	28
31.976, 31.977	28
31.979, 31.980	28
31.983, 31.984	28
31.986, 31.987	28
31.990 - 31.992	29
32.012	29
32.020 - 32.029	29
32.075 - 32.077	30
32.269	40
32.270 - 32.278	40
33.820 - 33.829	24
33.831 - 33.832	24
33.834 - 33.838	33
33.840	33
33.852	38
33.860 - 33.865	21
33.867	21
33.873 - 33.877	38
33.880 - 33.891	19
33.898 - 33.903	20
33.906 - 33.909	20
33.915 - 33.920	32
33.922	32
33.951 - 33.957	37
33.958, 33.959	34
33.960	35
33.961, 33.962	34
33.964 - 33.968	35
33.970	35
33.971 - 33.973	34
33.974 - 33.978	35
33.980	34
33.984	34
33.979	41
33.981	41
33.991 - 33.996	39
33.99701 - 33.99703	39
34.004 - 34.007	34
34.008, 34.009	35
34.011 - 34.016	36
34.020	36
37.781 - 37.788	41
37.791 - 37.796	41
37.801 - 37.804	41
37.820	41
37.822	41
37.830	41
52.101	40
52.140	40
52.170 - 52.173	40
52.180	40

TERMS OF BUSINESS

Design and Manufacture

The descriptions and pictured representations in this catalog resemble the actual product as closely as possible. However, because of continuing efforts to improve our merchandise, changes are unavoidable and designs & specifications will sometimes vary. If tolerances or dimensions are critical, please mention this on your order.

Warning: All products in this catalog are to be used according to directions, industry standards and governmental regulations such as the Occupational Safety and Health Act, Federal Hazardous Substance Act and the Environmental Protection Agency regulations.

Those who are not knowledgeable in the proper usage of hazardous materials as well as electrical, high-speed, grinding, and/or high-temperature equipment should NOT purchase these products as non-compliance with safety regulations can be dangerous to health and property.

Keep all products out of the reach of children.

Prices

Prices are subject to change without notice. Price lists are published periodically and the latest price list will be sent upon request. You may also request quotations before shipment by submitting a list of the items you wish to order.

Shipments

In the absence of special instructions on "how to ship" we will use our best judgment in forwarding merchandise. We will comply with your instructions insofar as DOT, ICC and other applicable government regulations permit. Hazardous materials are subject to strict government regulations and additional charges may be incurred.

Returns

All products in this catalog should be free of defects in material and workmanship and perform the work for which they were designed. If, upon examination or first use, a product is found to be defective, contact us with the details. Items which have been abused or used for work for which they were not intended will not be replaced or credited. No merchandise may be returned without written authorization to do so. We maintain a 30 day return policy.

General

The products in this catalog were selected for use by technicians and craftsmen working in professional repair and maintenance shops, laboratories, and manufacturing facilities. Possession of this catalog does not constitute a right to purchase.



*Thank you for your interest in our catalog.
You will find that the quality of our products, combined with fair pricing, represent outstanding value.*



Grobet File Company of America

750 Washington Avenue
Carlstadt, NJ 07072 USA

Phone: 800-847-4188 (USA only)
201-939-6700

Fax: 201-939-5067
800-243-2432

E-mail: sales@grobetusa.com

Phone: 800-668-9306 (Canada only)
416-293-2474

Fax: 800-268-8430
416-293-6130

E-mail: canada@grobetusa.com

www.grobetusa.com

CATFILE15