



 CRESCENT®

 CRESCENT
Wiss

 CRESCENT
Lufkin

 CRESCENT
NICHOLSON®

 CRESCENT
H.K. PORTER®

EMEA Product and Brand Overview

 CRESCENT
NICHOLSON®

Date: December, 2017

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Market Manager EMEA – Hand Tools

The Back Story

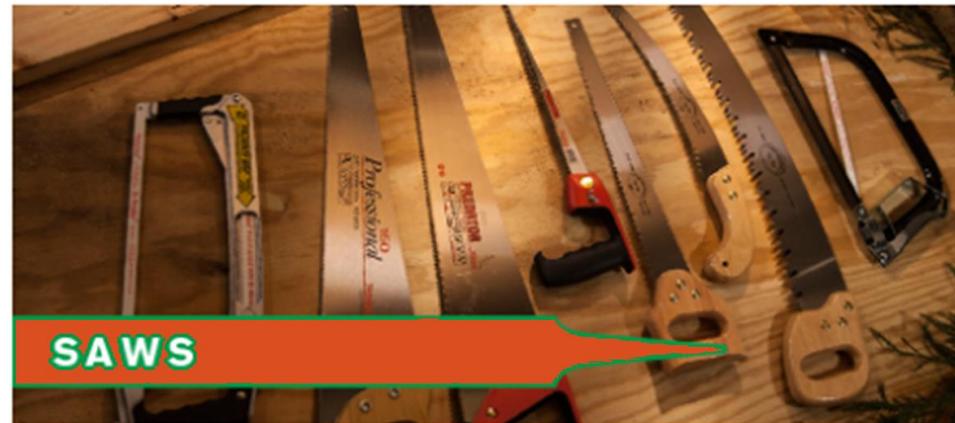
In the early 1800s, and for centuries prior, the file was an essential sharpening tool in every shop, farm, and household. But this seemingly simple tool was deceptively difficult to make. Special steel with specific carbon content had to be precisely shaped, annealed ground, chiseled, and hardened to achieve acceptable sharpness and durability. The only way to accomplish this was to produce files by hand, with master craftsmen closely guarding their secret techniques. But in 1864, William T. Nicholson changed history: He designed and patented the equipment to successfully manufacture machine-made files.

Today, 150 years later, Nicholson® is the most recognized brand of file in the world. Over time, the Nicholson product line has increased in scope and size, and now includes files, rasps, hacksaws, and handsaws, all manufactured to uncompromising standards of quality.



The Back Story

In 1864, Nicholson® became the first successful manufacturer of machine-made files. Today, they are the most recognized brand of file in the world. Over the years, the Nicholson product line has increased in scope and size, and now includes files, rasps and handsaws, all manufactured to uncompromising standards of quality.



Value Proposition



Position Statement

Nicholson files provide hard-working professional tradesmen and with unsurpassed material removal per stroke and longevity.

Brand Scope / Audience

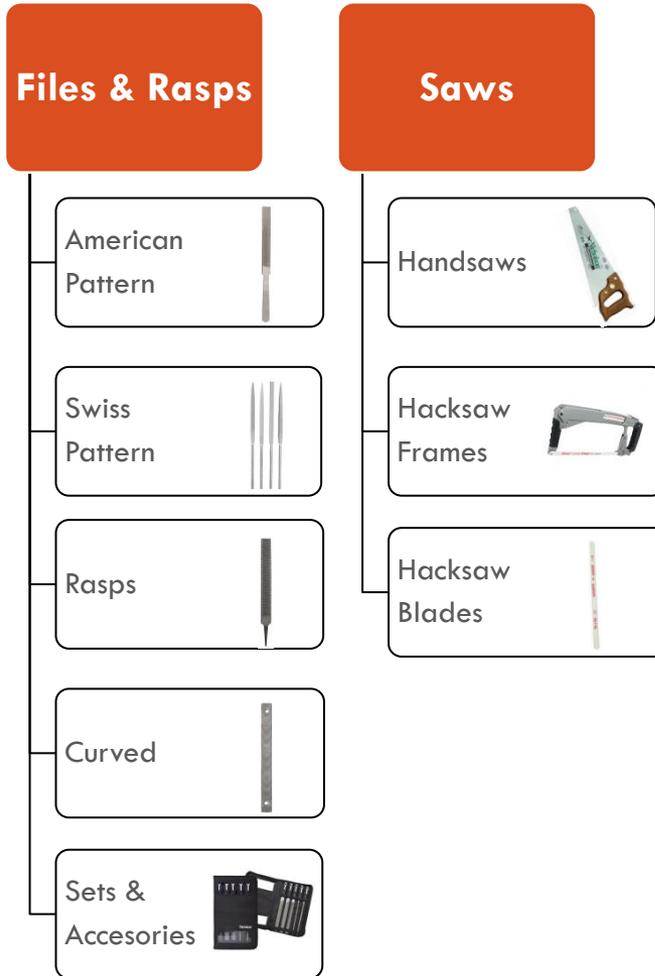
Nicholson provides an extensive line of files, rasps, file accessories, as well as hand saws and hacksaws for professional tradesmen and consumer DIY'ers.

Brand Personality

PROUD, DETAILED ORIENTED, RELIABLE



Sub-Category Overview



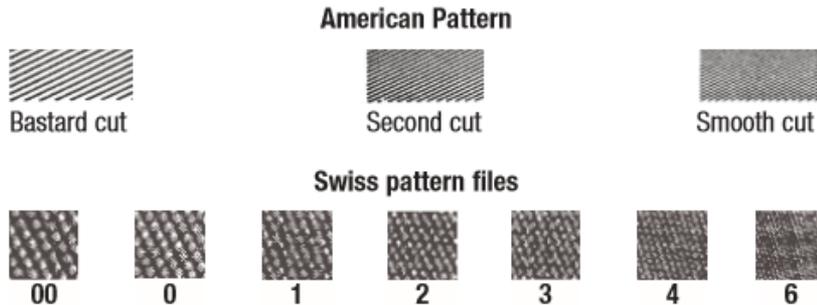
Files & Rasps



Files & Rasps

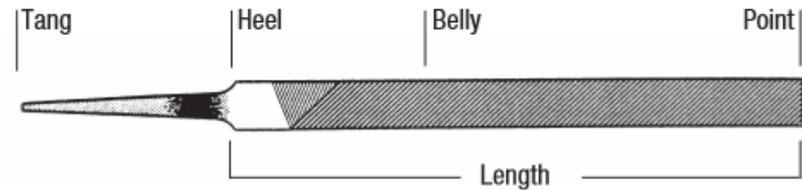
File Terminology

Coarseness



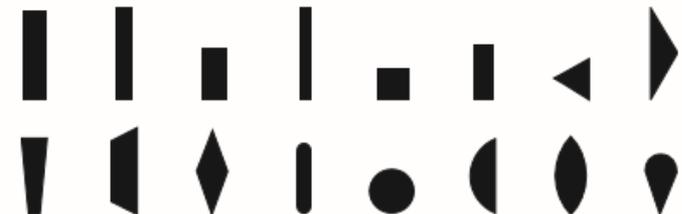
- Work to be accomplished, roughing or finishing, will determine type of teeth and coarseness for each application.
- Most American pattern files are available with 3 grades of cut: bastard-cut, second-cut and smooth-cut.
- Swiss pattern files are available in seven cuts: No. 00, 0, 1, 2, 3, 4, and 6
- The degree of coarseness is greater in longer files, but differences between bastard, second and smooth are proportionate.

Length



- Length is measured exclusive of tang, from point to heel, unless specified otherwise.
- Desired stroke length, type of material and size will determine length required.

Shape



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

Files & Rasps

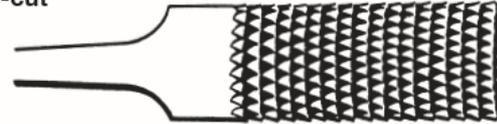
Kinds of Teeth

Single-cut



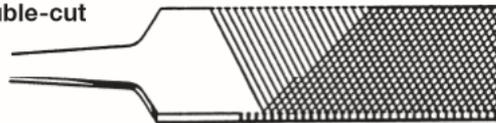
- Single set of parallel, diagonal rows of teeth.
- Single-cut files are often used with light pressure to produce a smooth surface finish or to put a keen edge on knives, shears or saws.

Rasp-cut



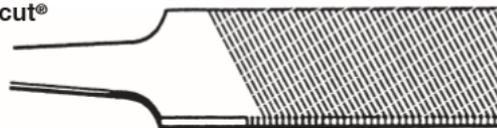
- Series of individual teeth which are formed by a single-pointed tool.
- Produces a rough cut that is used primarily on wood, hooves, aluminum and lead.

Double-cut



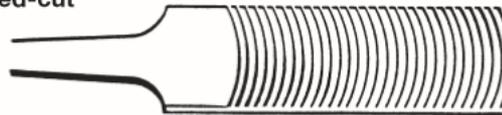
- 2 sets of diagonal rows of teeth.
- Second set of teeth cut in opposite diagonal direction and on top of the first set.
- First set of teeth is known as the overcut, second is known as upcut.
- Upcut is finer than overcut.
- Double-cut file is used with heavier pressure than the single-cut and removes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

Magicut®



- Single cut teeth divided by angular serrations into shorter cutting edges, which free themselves readily from chips and perform roughing and smoothing at the same time.

Curved-cut



- Teeth arranged in curved contours across the file face.
- Curved-cut file is normally used in automotive body shops for smoothing body panels.

Files & Rasps

Packaging Terminology



Boxed



Flow Pack



Handled & Carded



Ergonomic Handle & Carded

Files & Rasps

American Pattern // Flat Aluminum Type "A" Files

Product Information

- Features & Benefits
- Special Tooth Construction Eliminates Clogging When Filing Aluminum
 - Flat Shape
 - All Sizes Have Same Number of Teeth Per Inch
 - Smooth Finish Obtained By Using Shearing Cut Toward Left



Art. No	Description	Pack.
00001N	6" / 150mm Flat Aluminum Type A	Boxed
00024N	8" Flat Aluminum Type "A"	Boxed
00047N	10" Flat Aluminum Type "A"	Boxed
00070N	12" / 300mm Flat Aluminium Type A	Boxed

Files & Rasps

American Pattern // Flat Aluminum Type "A" Files

Product Information

- Features & Benefits
- Special Tooth Construction Eliminates Clogging When Filing Aluminum
 - Flat Shape
 - All Sizes Have Same Number of Teeth Per Inch
 - Smooth Finish Obtained By Using Shearing Cut Toward Left



Art. No	Description	Pack.
00001N	6" / 150mm Flat Aluminum Type A	Boxed
00024N	8" Flat Aluminum Type "A"	Boxed
00047N	10" Flat Aluminum Type "A"	Boxed
00070N	12" / 300mm Flat Aluminium Type A	Boxed

Files & Rasps

American Pattern // Chain Saw – Round Files

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Special Tooth Construction Eliminates Clogging When Filing Aluminum ▪ Flat Shape ▪ All Sizes Have Same Number of Teeth Per Inch ▪ Smooth Finish Obtained By Using Shearing Cut Toward Left |
|---------------------|---|



Art. No	Description	Pack.
01606N	6" / 150 mm 3.6mm Round Chainsaw 615	Boxed
01611N	6" / 150 mm 4.0mm Round Chainsaw 620	Boxed
01798N	8" / 200 mm 5.2mm Round Chainsaw 832	Boxed
02144N	6" x 1/8" Round Chainsaw File, Knurl Cut	Boxed
02147N	8" x 1/4" Round Chainsaw File, Knurl Cut	Boxed
02229B	8" x 3/16" Round Chainsaw File, Knurl Cut	Carded
02228B	8" x 5/32" Round Chainsaw File, Knurl Cut	Flow Pack
02230B	8" x 7/32" Round Chainsaw File, Knurl Cut	Flow Pack
01611B3	6" / 150 mm 4.0mm Round Chainsaw 620	Handled
01878BC3	8" / 200 mm X 5.6mm-7/32 Round Ch.	Set

Files & Rasps

American Pattern // Flat Files

Product Information

- Features & Benefits
- Used By Machinists, Machinery Builders, Ship and Engine Builders
 - Also By Repairman and Others Who Require Rapid Removal of Metal
 - Rectangular in Cross Section and Taper Slightly Towards Point in Width
 - Double Cut on Sides, Single Cut on Edges



Art. No	Description	Pack. / Type
03367N	4" Flat Bastard Cut	Boxed / Bastard
03467N	6" Flat Bastard Cut	Boxed / Bastard
03566N	8" Flat Bastard Cut	Boxed / Bastard
03665N	10" Flat Bastard Cut	Boxed / Bastard
03764N	12" Flat Bastard Cut	Boxed / Bastard
03863N	14" Flat Bastard Cut	Boxed / Bastard
03980N	16" / 400mm Flat Bastard Cut	Boxed / Bastard
21748HN	8" Flat Bastard Cut	E. Handle / Bastard
21868HN	10" Flat Bastard Cut	E. Handle / Bastard
03500N	6" Flat Second Cut	Boxed / Second Cut

Art. No	Description	Pack. / Type
03599N	8" Flat Second Cut	Boxed / Second Cut
03698N	10" Flat Second Cut	Boxed / Second Cut
03797N	12" Flat Second Cut	Boxed / Second Cut
03896N	14" Flat Second Cut	Boxed / Second Cut
03434N	4" Flat Smooth Cut	Boxed / Smooth
03533N	6" Flat Smooth Cut	Boxed / Smooth
03632N	8" Flat Smooth Cut	Boxed / Smooth
03731N	10" Flat Smooth Cut	Boxed / Smooth
03830N	12" Flat Smooth Cut	Boxed / Smooth

Files & Rasps

American Pattern // Half Round Files

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Used on concave, convex and flat surfaces. ▪ Rounded on 1 side, flat on opposite. ▪ Backs of all bastard files are double-cut. ▪ Backs of all second-cut files longer than 6" are double-cut. ▪ Backs of all 4 and 6" files are single-cut. ▪ Backs of all smooth files are single-cut. ▪ Flat sides of all files are double-cut.
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Art. No	Description	Pack. / Type
04695N	4" Half Round Bastard Cut	Boxed / Bastard
04795N	6" Half Round Bastard Cut	Boxed / Bastard
04896N	8" Half Round Bastard Cut	Boxed / Bastard
04995N	10" Half Round Bastard Cut	Boxed / Bastard
05094N	12" Half Round Bastard Cut	Boxed / Bastard
05194N	14" Half Round Bastard Cut	Boxed / Bastard
04729N	4" Half Round Second Cut	Boxed / Second Cut
04828N	6" Half Round Second Cut	Boxed / Second Cut
04927N	8" Half Round Second Cut	Boxed / Second Cut
05026N	10" Half Round Second Cut	Boxed / Second Cut
05125N	12" Half Round Second Cut	Boxed / Second Cut
05225N	14" Half Round Second Cut	Boxed / Second Cut
04762N	4" Half Round Smooth Cut	Boxed / Smooth
04861N	6" Half Round Smooth Cut	Boxed / Smooth

Art. No	Description	Pack. / Type
04960N	8" Half Round Smooth Cut	Boxed / Smooth
05059N	10" Half Round Smooth Cut	Boxed / Smooth
05158N	12" Half Round Smooth Cut	Boxed / Smooth
05258N	14" Half Round Smooth Cut	Boxed / Smooth
04795BC	6" Half Round Bastard Cut	Handled / Bastard
04896BC	HALF ROUND BASTARD FILE 8"	Handled / Bastard
04995BC	8"/200mm Half Round Bastard Cut	Handled / Bastard
21745HN	8" Half Round Bastard Cut, Ergo	E. Handle/Bastard
04828BC	6"/150mm Half Round Second Cut	Handled/Second
04927BC	8"/200mm Half Round Second Cut	Handled/Second
05026BC	10"/250mm H. Round Second Cut	Handled/Second
04861BC	6"/150mm Half Round Smooth Cut	Handled/Smooth
04960BC	8"/200mm Half Round Smooth Cut	Handled/Smooth
05059BC	10"/250mm H. Round Smooth Cut	Handled/Smooth
04960N	8" Half Round Smooth Cut	Boxed / Smooth

Files & Rasps

American Pattern // Hand Files

Product Information

- Features & Benefits
- Rectangular shape
 - Double-cut
 - 1 safe edge
 - Same coarseness as flat files of corresponding lengths.



Art. No	Description	Pack. / Type
05652N	4" Hand Bastard Cut	Boxed / Bastard
05738N	6" Hand Bastard Cut	Boxed / Bastard
05853N	8" Hand Bastard Cut	Boxed / Bastard
05968N	10" Hand Bastard Cut	Boxed / Bastard
06084N	12" Hand Bastard Cut	Boxed / Bastard
06198N	14" Hand Bastard Cut	Boxed / Bastard
05675N	4" Hand Second Cut	Boxed / Second Cut
05771N	6" Hand Second Cut	Boxed / Second Cut
05886N	8" Hand Second Cut	Boxed / Second Cut
06001NN	10" Hand Second Cut	Boxed / Second Cut
06117N	12" Hand Second Cut	Boxed / Second Cut
05698N	4" Hand Smooth Cut	Boxed / Smooth
05804N	6" Hand Smooth Cut	Boxed / Smooth

Art. No	Description	Pack. / Type
05919N	8" Hand Smooth Cut	Boxed / Smooth
06034N	10" Hand Smooth Cut	Boxed / Smooth
06150N	12" Hand Smooth Cut	Boxed / Smooth
05738BC	6" / 150mm Hand Bastard Cut	Handled / Bastard
05853BC	8" / 200mm Hand Bastard Cut	Handled / Bastard
05968BC	10" / 250mm Hand Bastard Cut	Handled / Bastard
05771BC	6" / 150mm Hand Second Cut	Handled/Second
06001BC	10" / 250mm Hand Second Cut	Handled/Second
05804BC	6" / 150mm Hand Smooth Cut	Handled/Smooth
05919BC	8" / 200mm Hand Smooth Cut	Handled/Smooth
06034BC	10" / 250mm Hand Smooth Cut	Handled/Smooth
05886BC	8" / 200mm Hand Second Cut	Handled/Smooth

Files & Rasps

American Pattern // Knife Files

Product Information

- Features & Benefits
- Used Primarily By Tool and Die Makers with Work Having Acute Angles
 - Triangular Shape
 - Double-Cut on Sides, Single-Cut on Sharp Edge
 - Knife Files Are Supplied with Safe Backs



Art. No	Description	Pack. / Type
06711N	4" Knife Bastard Cut	Boxed / Bastard
06804N	6" Knife Bastard Cut	Boxed / Bastard
06898N	8" Knife Bastard Cut	Boxed / Bastard
06992N	10" Knife Bastard Cut	Boxed / Bastard
06742N	4" Knife Second Cut	Boxed / Second
06836N	6" Knife Second Cut	Boxed / Second
06930N	8" Knife Second Cut	Boxed / Second
07023N	10" Knife Second Cut	Boxed / Second
06773N	4" Knife Smooth Cut	Boxed / Smooth
06867N	6" Knife Smooth Cut	Boxed / Smooth
06961N	8" Knife Smooth Cut	Boxed / Smooth
07054N	10" Knife Smooth Cut	Boxed / Smooth

Files & Rasps

American Pattern // Mill Blunt Files

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Used for sharpening mill or circular saws ▪ Also for Draw-Filing and Finishing Metals ▪ Rectangular shape ▪ Single-cut on sides and edges. ▪ 1 or 2 round edges and parallel edges.
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Art. No	Description	Pack. / Type
10165	8" / 200 mm Mill Blunt	Boxed/Second – 1 Round
10095N	6" / 150 mm Mill Blunt	Boxed/Second – 1 Round
10225N	10" / 250 mm Mill Blunt	Boxed/Second – 1 Round
10260N	12" / 300 mm Mill Blunt	Boxed/Second – 1 Round
09834N	8" / 200 mm Mill Blunt	Boxed/Second – 2 Square
10380N	8" / 200mm Mill Blunt	Boxed/Second – 2 Rect.
08354N	6" Mill Bastard Cut	Boxed/Bastard
08497N	8" Mill Bastard Cut	Boxed/Bastard

Art. No	Description	Pack. / Type
08642N	10" Mill Bastard Cut	Boxed/Bastard
08832N	14" Mill Bastard Cut	Boxed/Bastard
08416N	6" Mill Smooth Cut	Boxed/Smooth
21701HN	10" Mill Bastard Cut	E. Handle/Bastard
21687HN	6" Mill Bastard Cut,	E. Handle/Bastard
21694HN	8" Mill Bastard Cut,	E. Handle/Bastard
10165BC	8" / 200mm Mill Blunt	Handled/Second-1 Round
10225BC	10" / 250mm Mill Blunt	Handled/Second-1 Round

Files & Rasps

American Pattern // Round Files

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Primarily used to file circular openings or concave surfaces. ▪ Round shape ▪ All 4, 5, 6, 8, 10, 12" files are single-cut ▪ 14" bastard file is double-cut ▪ Tapered slightly towards point
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Art. No	Description	Pack. / Type
11716	6" Round Bastard Cut	Boxed/Bastard
11904	8" Round Bastard Cut	Boxed/Bastard
12019	10" Round Bastard Cut	Boxed/Bastard
12134	12" Round Bastard Cut	Boxed/Bastard
12248	14" Round Bastard Cut	Boxed/Bastard
11526N	4" Round Bastard Cut	Boxed/Bastard
11637N	5" Round Bastard Cut	Boxed/Bastard
11936	8" Round Second Cut	Boxed / Second Cut
12051	10" Round Second Cut	Boxed / Second Cut
12166	12" Round Second Cut	Boxed / Second Cut
11559NN	4" Round Second Cut	Boxed / Second Cut
11781	6" Round Smooth Cut	Boxed / Smooth Cut

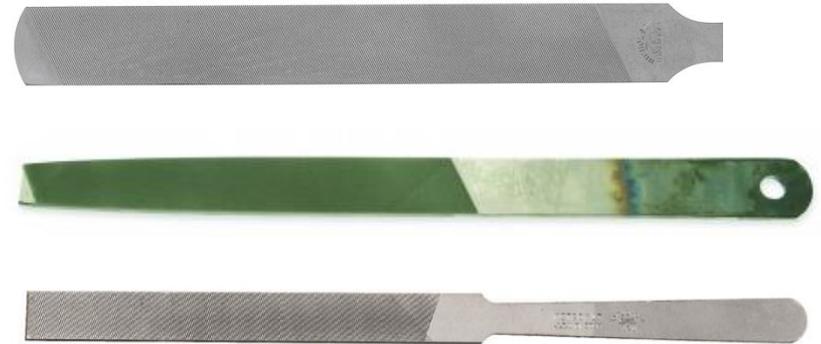
Art. No	Description	Pack. / Type
11969	8" Round Smooth Cut	Boxed / Smooth Cut
12084	10" Round Smooth Cut	Boxed / Smooth Cut
12199	12" Round Smooth Cut	Boxed / Smooth Cut
11592NN	4" Round Smooth Cut	Boxed / Smooth Cut
12019BC	10" / 250mm Round Bastard Cut	Handled / Bastard
11904BC	8" / 200mm Round Bastard Cut	Handled / Bastard
11748BC	6" / 150mm Round Second Cut	Handled / Second C.
11936BC	8" / 200mm Round Second Cut	Handled / Second C.
12051BC	10" / 250mm Round Second Cut	Handled / Second C.
11969BC	8" / 200mm Round Smooth Cut	Handled / Smooth C.
12084BC	10" / 250mm Round Smooth Cut	Handled / Smooth C.

Files & Rasps

American Pattern // Special Files

Product Information

- Features & Benefits
- Handy File: One side with single cut for producing a smooth surface or for sharpening knives, scissors and saws. Other side with crosscut for faster material removal;
 - Home and Garden File: Ideal Utility File for Home Owner. For Sharpening, Woodworking Tools (Chisels, Scrapers) Also for Garden Tools (Hoes, Shovels, Rotary Mower Blades). Rectangular Shape
 - Tungsten Point File: Used for sharpening mill or circular saws. Also for draw-filing and finishing metals.. Rectangular shape. Single-cut on sides and edges.. 1 or 2 round edges and parallel edges.



Art. No	Description	Pack.
06596BC	8" Handy File Tanged	Handled
11488N	10" Home and Garden Files	Carded
02373N	5 1/4" Tungsten Point File	Boxed

Files & Rasps

American Pattern // Square Files

Product Information

- Features & Benefits
- Used on slots, keyways and general surface filing.
 - Square shape
 - Double-cut
 - Tapered slightly towards point
 - Larger sizes frequently preferred to corresponding flat files because of heavier section and 4 filing surfaces.



Art. No	Description	Pack. / Type
12890	5" / 125mm Square Bastard Cut	Boxed/Bastard
12967	6" Square Bastard Cut	Boxed/Bastard
13081	8" Square Bastard Cut	Boxed/Bastard
13310	12" Square Bastard Cut	Boxed/Bastard
13425	14" Square Bastard Cut	Boxed/Bastard
13196N	10" Square Bastard Cut	Boxed/Bastard
12824	4" / 100 mm Square Second.Cut	Boxed/Second Cut
13114	8" Square Second Cut	Boxed/Second Cut
13229	10" / 250mm Square Second Cut	Boxed/Second Cut
13343	12" Square Second Cut	Boxed/Second Cut
13000N	6" Square Second Cut	Boxed/Second Cut
12857	4" Square Smooth Cut	Boxed / Smooth
13033	6" Square Smooth Cut	Boxed / Smooth

Art. No	Description	Pack. / Type
13147	8" Square Smooth Cut	Boxed / Smooth
13262	10" Square Smooth Cut	Boxed / Smooth
13376	12" Square Smooth Cut	Boxed / Smooth
12967BC	6" / 150mm Round Smooth Cut	Handled / Bastard
13081BC	8" / 200mm Square Bastard Cut	Handled / Bastard
13196BC	10" / 250mm Square Bastard Cut	Handled / Bastard
13000BC	6" / 150mm Square Second Cut	Handled / Second C.
13114BC	8" / 200mm Square Second Cut	Handled / Second C.
13147BC	8" / 200mm Square Smooth Cut	Handled / Smooth C.
13262BC	10" / 250mm Square Smooth Cut	Handled / Smooth C.

Files & Rasps

American Pattern // Taper Files – Heavy and Regular

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Triangular shape ▪ Edges set and cut for filing gullets between saw teeth. ▪ Tapers slightly towards the point. |
|---------------------|---|



Art. No	Description	Pack. / Type
14032M	6" / 150 mm Heavy Taper	Boxed/Heavy Taper
14048M	7" Heavy Taper File	Boxed/Heavy Taper
14060M	8" / 200 mm Heavy Taper	Boxed/Heavy Taper
13710M	3 1/2" Regular Taper File	Boxed/Regular Taper
13727M	4" Regular Taper File	Boxed/Regular Taper
13750M	4-1/2" / 115 mm Regular Taper	Boxed/Regular Taper
13772M	5" Regular Taper File	Boxed/Regular Taper
13807M	File 6" / 150mm Regular Taper	Boxed/Regular Taper
13841M	7" Regular Taper File	Boxed/Regular Taper
13875M	8" Regular Taper File	Boxed/Regular Taper

Files & Rasps

American Pattern // Taper Files – Slim, Extra Slim, Double Extra Slim

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Triangular shape ▪ Edges set and cut for filing gullets between saw teeth. ▪ Tapers slightly towards the point. |
|---------------------|---|



Art. No	Description	Pack. / Type
14942M	4" Double Extra Slim Taper File	Boxed/D. Extra Slim
14992M	5" Double Extra Slim Taper File	Boxed/D. Extra Slim
15024N	6" Double Extra Slim Taper File	Boxed/D. Extra Slim
21743N	6" Double Extra Slim Taper File	Handled/D. Extra Slim
14547M	4" Extra Slim Taper File	Boxed/Extra Slim
14599M	5" Extra Slim Taper File	Boxed/Extra Slim
14665M	6" Extra Slim Taper File	Boxed/Extra Slim
14698N	7" Extra Slim Taper File	Boxed/Extra Slim
21729HN	6" Slim Taper File, Erg. Handle	E. Handle/Slim
21729N	FILE,6",SLIM TAPER,W/HDL	Handled/Slim
14106M	4" Slim Taper File	Boxed/ Slim
14139M	4 1/2" Slim Taper File	Boxed/ Slim
14162M	5" Slim Taper File	Boxed/ Slim
14224M	6" Slim Taper File	Boxed/ Slim
14255M	7" Slim Taper File	Boxed/ Slim
14290M	8" Slim Taper File	Boxed/ Slim

Files & Rasps

American Pattern // Taper Files – Bandsaw Heavy & Regular

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ For filing and sharpening bandsaws. ▪ Triangular shape ▪ Edges set and cut for filing gullets between saw teeth. |
|---------------------|--|



Art. No	Description	Pack. / Type
14065	8" Bandsaw Heavy Taper	Boxed/Heavy Bandsaw
00648BC	7" Bandsaw R. Taper	Handled/Regular Bandsaw
00668N	8" Bandsaw R. Taper	Boxed/Heavy Taper

American Pattern // Taper Files – Machete Taper

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Used for Sharpening Machete Knife Blades ▪ Single Cut with No Edge Teeth ▪ Triangular in Shape ▪ Tapers Slightly Towards the Point |
|---------------------|---|



Art. No	Description	Pack. / Type
13811M	6" Machete Taper File	Boxed/Machete Taper
13814M	6" Blunt Machete File	Boxed/Blunt Machete

Files & Rasps

American Pattern // Three Square Files

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ For general use by machinists for filing internal angles more acute than right angles, clearing out square corners and filing taps and gutters. ▪ Triangular shape ▪ Double-cut ▪ Sharp corners are slightly set and cut. ▪ Cut to the point
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Art. No	Description	Pack. / Type
15925NN	FILE,6",THREE SQUARE BASTARD	Boxed/Bastard
16036NN	FILE,8",THREE SQUARE BASTARD	Boxed/Bastard
16291	12" Three Square Second Cut	Boxed/Second C.
15958NN	FILE,6",THREE SQUARE,2ND CUT	Boxed/Second C.
16069NN	FILE,8",THREE SQUARE,2ND CUT	Boxed/Second C.
16180N	10" Three Square second Cut	Boxed/Second C.
15991NN	FILE,6",THREE SQUARE,SMOOTH	Boxed/Smooth
16213NN	FILE,10",THREE SQUARE,SMOOTH	Boxed/Smooth

Files & Rasps

American Pattern // Warding Files

Product Information

- Features & Benefits
- Used primarily by locksmiths in repairing and filing ward notches in keys.
 - Thin rectangular shape
 - Double-cut on sides, single-cut on edges
 - Also suited for use in narrow spaces where other files will not fit.



Art. No	Description	Pack. / Type
16507N	4" Warding Bastard Cut	Boxed/Bastard
16663N	6" Warding Bastard Cut	Boxed/Bastard
16761N	8" Warding Bastard Cut	Boxed/Bastard
16540N	4" Warding Second Cut	Boxed/Second C.
16696N	6" Warding Second Cut	Boxed/Second C.
16794N	8" Warding Second Cut	Boxed/Second C.
16573N	4" Warding Smooth Cut	Boxed/Smooth
16729N	6" Warding Smooth Cut	Boxed/Smooth

Files & Rasps

American Pattern // Farmer's Own Files

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ General Purpose File Suited for Agricultural Use ▪ Rectangular Shape, Single Cut, Safe Edges ▪ Length Measured Exclusive of Handle ▪ Convenient Hang Up Hole |
|---------------------|---|



Art. No	Description	Pack.
06649N	8" Farmer's Own	Boxed

American Pattern // Double Ender Files

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Triangular shape ▪ Sides and edges are single-cut from points to center giving full use of file ▪ All files supplied with handles. ▪ Single-cut |
|---------------------|--|



Art. No	Description	Pack.
02884MM	FILE,6",DOUBLE ENDER	Boxed
02905MM	FILE,7",DOUBLE ENDER	Boxed

Files & Rasps

American Pattern // Hand Long Angle Lathe Files

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Specially Designed for Finishing Rapid Stock Removal on Lathe Work ▪ Rectangular Shape ▪ Safe Edges ▪ Cut Faster Than Regular Mill Files and Leave Smoother Finish
---------------------	---



Art. No	Description	Pack. / Type
07835N	8" / 200mm Hand Lathe File Fine	Boxed / Fine
07851N	12" Hand Long Angle Lathe Fine	Boxed / Fine
07863N	14" Hand Long Angle Lathe Fine	Boxed / Fine

Files & Rasps

American Pattern // Magicut® - Flat Files

Product Information

- Features & Benefits
- Used By Machinists As All-Purpose File to Remove Stock Rapidly
 - Leaves A Smooth Finish
 - Rectangular Shape, Tapered Point in Width
 - File Features A Pattern of Narrow Chip Breakers
 - Created By Steep, Angled Serrations for Rapid Removal, Smoother Finish



Art. No	Description	Pack.
07894N	8" Flat Magicut	Boxed
07917N	10" Flat Magicut	Boxed
07941N	12" Flat Magicut	Boxed

Files & Rasps

American Pattern // Magicut® - Hand Files

Product Information

- Features & Benefits
- Used by machinists as all-purpose file to remove stock rapidly and to leave a smooth finish.
 - Rectangular shape
 - Parallel edges full length
 - File features a pattern of narrow chip breakers created by steep and angled serrations for rapid removal and smoother finish.



Art. No	Description	Pack.
08189N	10" / 250mm Hand Magicut	Boxed
08173BC	8" / 200mm Hand Magicut	Handled
08189BC	10" / 250mm Hand Magicut	Handled

Files & Rasps

Curved // Flat Rigid File

Product Information

Features & Benefits	<ul style="list-style-type: none"> For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum Any Steel Up to the Hardness of Annealed Tool Steel. Also for Zinc, Plastics Rectangular Shape Curved Cut, Rigid Type with Tang Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish
---------------------	--

Art. No	Description	Pack.
20342N	12" Flat Rigid File	Boxed

Curved // Milled Tooth Bodifile

Product Information

Features & Benefits	<ul style="list-style-type: none"> For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum Any Steel Up to the Hardness of Annealed Tool Steel. Also for Zinc, Plastics Rectangular Shape / Curved Cut Pitch and Rake Designed to Avoid Pinning and to Provide Smoothest Finish
---------------------	--

Art. No	Description	Pack.
20189N	14" Flex File, Standard, No. 50-908	Boxed



Files & Rasps

Curved // Flexible Files

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ For Smooth, Rapid Work on Cast Iron, Bronze, Lead, Babbitt, Aluminum ▪ Also for Zinc, Plastics ▪ Any Steel Up to the Hardness of Annealed Tool Steel ▪ Rectangular Shape, Curved Cut |
|---------------------|---|



Art. No	Description	Pack.
20205N	14" Flexible File, Fine	Boxed
20138N	12" Flexible File, Standard	Boxed

Curved // Flat Super Shear File

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ A Double Purpose Milled Curved Tooth File. Rectangular Shape, Curved Cut ▪ Wide Industrial Usage on Flat and Convex ▪ Such As Aluminum, Brass, Babbitt, Bronze, Copper, Magnesium, Iron, Annealed Steel, Soft Metal Alloys, Plastics, Hard Rubber |
|---------------------|---|



Art. No	Description	Pack.
21067N	10" Flat Super Shear File	Boxed
21118N	12" Flat Super Shear File	Boxed

Files & Rasps

Swiss Pattern // Barrette

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Used By Tool and Die Makers, Jewelers, Model Makers, Home Craftsman ▪ Superfine Precision Filing ▪ Double Cut, Wide Flat Sides ▪ Flat on 1 Side, Backs Are Beveled on Edges As Indicated By Cross Section |
|---------------------|--|



Art. No	Description	Pack.
35031N	4" / 100mm Barrette File Cut	Boxed
T0014320602	6-1/4" 160mm Barrette Cut 2	Boxed

Swiss Pattern // Half Round File

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Used By Tool and Die Makers, Jewelers, Model Makers and Home Craftsman ▪ Double Cut on Both Flat and Half-Round Sides ▪ Taper in Thickness and Width to Point ▪ Half Round Shape ▪ Made in Much Finer Cuts, Which Vary |
|---------------------|--|



Art. No	Description	Pack.
36533N	6" Half Round File, Cut No. 2	Boxed
36545N	6" Half Round File, Cut No. 4	Boxed

Files & Rasps

Swiss Pattern // Pillar

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Rectangular in Shape ▪ Double Cut on 2 Sides Only ▪ Safe Edges ▪ Tapered in Thickness ▪ Similar in Shape to Hand Files But Only 2/3 As Wide |
|---------------------|---|



Art. No	Description	Pack.
39935N	8" Pillar File, Cut No. 0	Boxed
39911N	6" Pillar File, Cut No. 2	Boxed
39947N	8" Pillar File, Cut No. 2	Boxed
39923N	6" Pillar File, Cut No. 4	Boxed
40088N	6" Pillar Narrow File, Cut No. 2	Boxed

Files & Rasps

Swiss Pattern // Needle Files

Product Information

- Features & Benefits**
- Used primarily by jewellers, die makers, watchmakers and fine toolmakers.
 - With round, knurled handles.

Shape	Code No.	Length		Cut No.
		Inch	mm	
Pillar 	T0014210600	6 1/4	160	0
	T0014210602	6 1/4	160	2
Hand 	T0014220600	6 1/4	160	0
	T0014220602	6 1/4	160	2
Halfround 	T0014230600	6 1/4	160	0
	T0014230602	6 1/4	160	2
Threesquare 	T0014240600	6 1/4	160	0
	T0014240602	6 1/4	160	2
Square 	T0014250600	6 1/4	160	0
	T0014250602	6 1/4	160	2
Round 	T0014260600	6 1/4	160	0
	T0014260602	6 1/4	160	2
Knife 	T0014270600	6 1/4	160	0
	T0014270602	6 1/4	160	2
Crossing 	T0014280600	6 1/4	160	0
	T0014280602	6 1/4	160	2



Files & Rasps

Swiss Pattern // Needle Files

Product Information

- Features & Benefits
- Used primarily by jewellers, die makers, watchmakers and fine toolmakers.
 - With round, knurled handles.

Shape	Code No.	Length		Cut No.
		Inch	mm	
Pillar	T0014210600	6 1/4	160	0
	T0014210602	6 1/4	160	2
Hand	T0014220600	6 1/4	160	0
	T0014220602	6 1/4	160	2
Halfround	T0014230600	6 1/4	160	0
	T0014230602	6 1/4	160	2
Threesquare	T0014240600	6 1/4	160	0
	T0014240602	6 1/4	160	2
Square	T0014250600	6 1/4	160	0
	T0014250602	6 1/4	160	2
Round	T0014260600	6 1/4	160	0
	T0014260602	6 1/4	160	2
Knife	T0014270600	6 1/4	160	0
	T0014270602	6 1/4	160	2
Crossing	T0014280600	6 1/4	160	0
	T0014280602	6 1/4	160	2



Files & Rasps

Rasps // Cabinet

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Used by cabinetmakers and woodworkers. ▪ Half-round ▪ Single-cut on edges ▪ Curved side of rasps similar to half-round rasps but has larger radius. |
|---------------------|--|



Art. No	Description	Pack.
17615N	8" Cabinet Rasp, Regular (Second Cut)	Boxed
17615BC	8" Cabinet Rasp, Regular (Second Cut)	Handled
17683BC	10" Cabinet Rasp, Regular (Second Cut)	Handled
17683N	10" Cabinet Rasp, Regular (Second Cut)	Boxed
17751N	12" Cabinet Rasp, Regular (Second Cut)	Boxed

Files & Rasps

Rasps // Horse Rasps – Plater’s Magicut

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Used by cabinetmakers and woodworkers. ▪ Maximum cutting surface design gives rapid removal and smoother finish. ▪ Single-cut on edges . Opposite side has Nicholson’s® unique Magicut® file ▪ Faster than conventional horse rasps. ▪ Rasp cut is 6 teeth per row (other horse rasps have 5 teeth per row).
---------------------	--

Art. No	Description	Pack.
18130N	14" Plater's Magicut Rasp File	Boxed

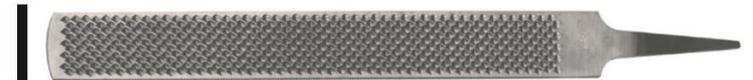


Rasps // Horse Rasps – Tanged

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Rectangular shape • Single-cut on edges • Tanged ▪ Rasp teeth on 1 side, file teeth on opposite. ▪ Thicker than Plater’s Special – ideal for hot asping.
---------------------	--

Art. No	Description	Pack.
18057N	14" Tanged Horse Rasp and File	Boxed



Files & Rasps

Rasps // Wood Rasps – Half Round

Product Information

Features & Benefits	<ul style="list-style-type: none"> Used by woodworkers, hobbyists and plumbers. Half-round shape Single-cut file teeth on edge.
---------------------	--

Art. No	Description	Pack.
19394BC	8" H. Round Wood Rasp Bastard Cut	Handled



Rasps // Wood Rasps – Round

Product Information

Features & Benefits	<ul style="list-style-type: none"> Used for same purpose as regular wood rasps in places for which their shapes make them particularly effective. Round shape Bastard-cut Made from same size steel as round files.
---------------------	---

Art. No	Description	Pack.
19136N	10" Flat Wood Rasp Bastard Cut	Boxed
19575	8" Rasp Wood Second Cut	Boxed
19846BC	8" Round Rasp Bastard with Handle	Handled
19875	10" Round Wood Rasp Bastard Cut	Boxed



Accessories

Handles // Screw-On Design

Product Information

- Features & Benefits
- Screw-On Design Fits Most Popular Files
 - For Professional or Home Handymen
 - Handle Made of Strong High-Impact Material
 - Contoured to Fit Hand for Straight, Lathe and Draw Filing
 - Non-Slip Textured Finish for Easier Grip
 - Carded



Art. No	Description
21493	Screw-on Plastic File Handle, No. PH2
21512	Screw-on Plastic File Handle, No. PH4
21513	Screw-on Plastic File Handle, No. PH5
21514	Screw-on Plastic File Handle, No. PH6
T21502	Screw-on Plastic File Handle, No. PH3

SELECTION CHART Screw-on Handle - Plastic

File Type	Size							
	4"	5"	6"	8"	10"	12"	14"	16"
Mill	PH3	-	PH4	PH5	PH5	PH6	PH7	PH8
Flat	PH3	-	PH4	PH5	PH5	PH6	PH7	PH8
Hand	PH3	-	PH4	PH5	PH6	PH7	PH8	-
Half Round	PH3	-	PH4	PH5	PH6	PH7	PH8	PH8
Warding	PH3	-	PH4	PH4	PH5	-	-	-
Knife	PH3	-	PH4	PH5	PH5	PH6	-	-
Round	PH1	PH2	PH3	PH4	PH4	PH5	PH7	PH7

File Type	Size							
	4"	5"	6"	8"	10"	12"	14"	16"
Square	PH1	PH2	PH3	PH4	PH4	PH5	PH6	-
Triangular	PH1	PH2	PH3	PH4	PH5	PH6	PH7	-
Cantsaw	-	-	PH4	PH5	PH6	-	-	-
Tanged Horse	-	-	-	-	-	PH8	PH8	-
Platers Special	-	-	-	-	-	-	PH8	-

Accessories

Handles // Metal Ferruled Wooden Handle

Product Information

Features & Benefits	<ul style="list-style-type: none"> Made From Close Grain Hardwood with Wax Finish Handles Have Strong Nickel-Plated Metal Ferrules Size 000 is suitable for 14" Half Round, Tanged Horse, Platers Special
---------------------	--



Art. No	Description
21470N	Size 000 Metal Ferruled Wooden Handle

Handles // Standard Green Handle with inserts

Product Information

Features & Benefits	<ul style="list-style-type: none"> 4 Interchangeable cushion inserts are designed to fit most popular files. Green Handle Carded
---------------------	---



Art. No	Description
21474N	HANDLE,#5 GREEN W/INSERTS,CDD

Accessories

Handles // Ergonomic File Handle with inserts

Product Information

Features & Benefits	<ul style="list-style-type: none"> 5 Interchangeable cushion inserts are designed to fit most popular files. Rubber-coated ergonomic shape for better comfort and control. Rear taper, wide middle and flared neck increases push force.
---------------------	---



Art. No	Description
T0010000150	Ergonomic Handle, + 5 Inserts (Packed)

Handles // Universal Handle

Product Information

Features & Benefits	<ul style="list-style-type: none"> For holding files, reamers, hacksaw blades and other tools Adjustable, steel jaws clamp to all tool tang Large, quick adjusting knob offers fast tool changes Co-molded grip for comfort
---------------------	---



* Please click on the link to watch Youtube video

Art. No	Description
21474U	UNIVERSAL HANDLE

Accessories

File Cleaners

Product Information

Features & Benefits	<ul style="list-style-type: none"> 5 Interchangeable cushion inserts are File Card for General Cleaning of File Teeth File Card is for General Cleaning of File Teeth File Card/Brush is for use on Finer Cut Files
---------------------	---

Art. No	Description
21458	FILE CLEANER,10",254mm,NICH
21467	FILE CLEANER,10",CARD & BRUSH,254mm.NICH



Adjustable Flexible File Holder

Product Information

Features & Benefits	<ul style="list-style-type: none"> Can Be Used with Either 12" or 14" Files Easily Adjusted for Curving File Outward or Inward Adjustable Length
---------------------	---

Art. No	Description
21272N	ADJUSTABLE FLEXIBLE FILE HOLDER



File Sets

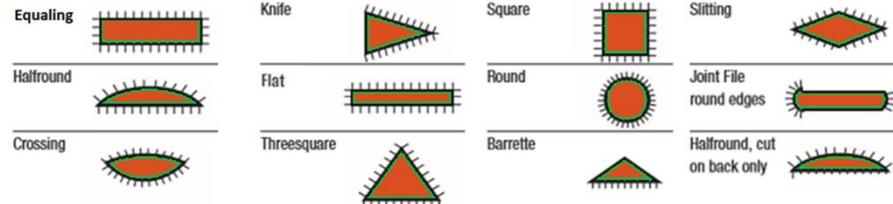
Assorted File Sets

Product Information

- Features & Benefits
- Made to More Exacting Measurements Than American Pattern Files
 - Used Primarily By Jewelers, Die Makers, Watchmakers and Fine Toolmakers
 - Knurled Handles
 - Assortments of 12 File Shapes, Based on Length and Cut
 - Assortments also Include Joint and Marking Files
 - In Red Pouch
 - 3 Different Coarsness



Art. No	Description
37029	FILE, NEEDLE, SET, 0,4" RHN/102MM
37392	FILE, NEEDLE, SET, 0,5-1/2"/140MM
T37755	FILE, NEEDLE, SET, 0,6-1/4"/159MM
T37035	FILE, NEEDLE, SET, 2,4"/102MM
T37761	FILE, NEEDLE, SET, 2,6-1/4"/159MM
37404	FILE, NEEDLE, SET, 4,5-1/2"/140MM
37767	FILE, NEEDLE, SET, 4,6-1/4"/159MM



File Sets

File Assortment with Wooden Handle

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ With wooden handle ▪ Six files in metal box or in plastic pouch. ▪ Consist of: Hand, Warding, Half Round, Square, Round and Slim Taper ▪ All sizes are 4"/100 mm |
|---------------------|---|

Art. No	Description
T0012991410	ASSORTMENT BASTARD 100mm/4" IN METAL B.
T0012991422	ASSORTMENT 2ND CUT 100mm/4" IN PL. POUCH
T0012991420	ASSORTMENT 2ND CUT 100mm/4" IN METAL B.
T0012991430	ASSORTMENT SMOOTH 100mm/4" IN METAL B.
T0012991433	ASSORTMENT SMOOTH 100mm/4" IN PL. POUCH



Metal Box



Pouch

File Sets

File Sets in Pouch

Art. No	Description
22015HNN	FILE SET,3PC,W/ERGONOMIC HNDL,POUCHED
22040NN	FILE SET,5PC,GENERAL PURPOSE,POUCHED
22040HNN	FILE SET,5PC,W/ERGONOMIC HNDL,POUCHED
22062NN	FILE SET,4",6 FILE ASSORTMENT,BASTARD
22024NN	FILE SET,7PC,MACHINIST KIT,POUCHED
22030NN	FILE SET,9PC,MAINTENANCE,POUCHED
22030HNN	FILE SET,9PC,W/ERGONOMIC HNDL,POUCHED



22015HNN

- 6" Half Round Bastard Cut
- 6" Half Round Bastard Cut
- 6" Mill Bastard Cut



22040HNN

- 10" Half Round Bastard Cut
- 10" Mill Bastard Cut
- 8" Mill Bastard Cut
- 6" Slim Taper File
- 8" Flat Bastard Cut



22040NN

- 10" Half Round Bastard Cut
- 10" Mill Bastard Cut
- 8" Mill Smooth Cut
- 8" Mill Bastard Cut
- 6" Slim Taper File



22024NN

- 10" Half Round Bastard Cut
- 10" Mill Bastard Cut
- 10" Round Bastard Cut
- 10" Square Bastard Cut
- 7" Slim Taper File
- 10" Flat Smooth Cut
- 10" Flat Bastard Cut



22030HNN

- 10" Half Round Bastard Cut
- 8" Half Round Bastard Cut
- 12" Mill Bastard Cut
- 10" Mill Bastard Cut
- 6" Slim Taper File
- 10" Flat Bastard Cut
- 8" Flat Bastard Cut
- 10" Round Bastard Cut
- 6" XX Slim Taper File



22062NN

- 4" Round Bastard Cut
- 4" Half Round Bastard Cut
- 4" Hand Bastard Cut
- 4" Slim Taper File
- 4" Warding Bastard Cut
- 4" Square Bastard Cut



22030NN

- 8" 4-in-Hand® Rasp and File
- 10" Half Round Bastard Cut
- 8" Half Round Bastard Cut
- 10" Mill Bastard Cut
- 10" Round Bastard Cut
- 6" Slim Taper File
- 10" Flat Smooth Cut
- 10" Flat Bastard Cut
- 8" Flat Smooth Cut

File Sets

File Sets in Zipper Case

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> ▪ Files are made of high grade steel for longevity ▪ Precision cut teeth ensure fast material removal and highest performance ▪ Special hardening process to ensure that teeth remain sharper for longer ▪ Rear taper on file handles allows your hand to lock securely around the handle ▪ Hard wearing zippered carry case
 ▪ NFS58 contains flat bastard, half round 2nd cut, round bastard, mill saw bastard, square 2nd cut ▪ NFS38 contains flat bastard, half round 2nd cut, round bastard |
|---------------------|--|

Art. No	Description
NFS38	3pcs file set in storage case (8')
NFS58	5pcs file set in storage case (8')



Saws



Saws

Handsaws // No. 20 Curved Pruner

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ General-purpose pruner for fast cutting of small limbs ▪ A favorite in citrus groves and vineyards ▪ Silver Steel® constructed blade with polished finish ▪ Easy-to-grip knife-type wood handle trimmed with aluminum screws |
|---------------------|---|

Art. No	Description
80263	No. 20 Curved Pruner
80412N	12" / 300mm Pruner Curved Handsaw



80263



80412N

Handsaws // Professional Handsaw

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> ▪ 18" / 460mm Professional Handsaw ▪ Wood handle trimmed with aluminum screws ▪ Resharpenable teeth for long life |
|---------------------|---|

Art. No	Description
80018N	18" / 460mm Professional Handsaw



Saws

Handsaws // Compass/Keyhole Saw

Product Information

Features & Benefits	<ul style="list-style-type: none"> Ergonomic handle with rubber-coated grip for comfort and control Razor sharp diamond ground teeth for easier cuts Induction hardened Hard Point (H.P.) teeth never need sharpening Blade tapered to a point for starting holes and cutting curves
---------------------	--

Art. No	Description
NSP9	12" x 8 Point Predator® Compass/Keyhole Saw



Handsaws // Jab Saw

Product Information

Features & Benefits	<ul style="list-style-type: none"> Special saw always needed for the difficult jobs: those narrow, hard-to-reach areas. Work with any standard size h. blade. Can replace worn blade easily: Untighten adjusting saw, remove worn blade and replace with a new Nicholson TM blade, re-tighten the adjusting screw.
---------------------	---

Art. No	Description
80969	10" Jab Saw



Saws

Hacksaw Frames // 4 in 1 Hacksaw Pro Series

Product Information

Features & Benefits

- 4-in-1 Hacksaw Frame comes complete with Bi-Metalloy®
- 18-tooth 12-inch hacksaw blade with High Speed Steel edge and 8" x 3/4" x 0.035" High Speed Steel Bi-Metal reciprocal saw blade.
- Visible blade storage holds either standard hacksaw blade or reciprocal saw blade.
- Cast aluminum construction for durability and light weight.
- Co-molded cushion grips at both ends of the saw add comfort and reduce slippage for better control.



1. General Use



2. Angle 45°



3. Low Profile



4. Jab Saw

Art. No	Description
80975EU	4 in 1 Hacksaw Pro Series

Saws

Hacksaw Frames // General Purpose Hacksaw Frames

Product Information

- | | |
|---------------------|---|
| Features & Benefits | <ul style="list-style-type: none"> Instantly adjustable for 10"/250 mm to 12"/300 mm blades. Adjusts 90° for vertical or horizontal cuts. |
|---------------------|---|

Art. No	Description
80951	10" General Purpose Hacksaw Frame
80950	10" Economy Hacksaw Frame



Hacksaw Frames // Utility Hacksaw

Product Information

- | | |
|---------------------|--|
| Features & Benefits | <ul style="list-style-type: none"> Ergonomic cushioned handle. Gets into small places, makes difficult cutting jobs easy. Overall length 10"/ 254 mm, will fit into any tool box. Uses any standard size hacksaw blade. |
|---------------------|--|

Art. No	Description
80968	10" Little Nic® Utility Hacksaw



Saws

Hacksaw Blades // Bi-Metalloy®

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ Molybdenum alloy tool steel edge. ▪ Tough flexible high carbon steel backing. ▪ Lasts twice as long as high-speed steel. ▪ Lasts up to 10 times longer than carbon steel. Operates 20% to 50% faster. ▪ High tooth hardness and shock resistance
---------------------	--

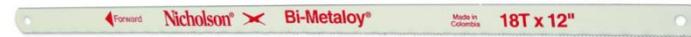
Art. No	Description
63406N	HACKSAW,NF1218,BIMETAL,100/BX EUROPE
63407N	HACKSAW BI-METAL,24TPI, 100/BOX EUROPE
62776N	HACKSAW,NF1232 BIMETAL 32TPI,100/BX

Hacksaw Blades // Flexible High Speed Steel

Product Information

Features & Benefits	<ul style="list-style-type: none"> ▪ High speed steel. . Tempered to provide hard edge with flexible back. ▪ Specially hardened to induce toughness. ▪ Economy blade for sawing light to medium-hard A good balance of wear resistance and mechanical shock absorbing.
---------------------	---

Art. No	Description
63400	12" X 18T HSS HACKSAW BLADE
63401	NM2412 HACKSAW BLADE HSS, 24TPI, 100/BOX



Technical Information

**CRESCENT
NICHOLSON**[®]

**THE GUIDE TO
FILES AND FILING**



* Please click on the picture to see brochure

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