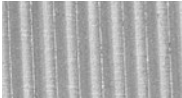



Application	Material	Applications	Tool	Page
Filing 	<ul style="list-style-type: none"> ■ Steel ■ Stainless steel (INOX) ■ Cast iron ■ Cast steel ■ Non-ferrous metals ■ Copper ■ Bronze ■ Brass ■ Zinc 	<ul style="list-style-type: none"> ■ Chamfering ■ Deburring ■ Roughing ■ Finishing ■ Surface work ■ Filing of breakthroughs 	Machinists files 	9
			Aluminum files 	8
			Milled tooth files 	34
			Precision files 	28
Sharpening 	<ul style="list-style-type: none"> ■ Saw chains ■ Saw blades ■ Band saw blades ■ Knives ■ Machetes 	<ul style="list-style-type: none"> ■ Sharpening of saw chains, blades, and band saw blades 	Chain saw files 	20
			Taper saw files 	27
			Mill files 	26
			Chain saw sharpeners CHAIN SHARP 	23
Car body work 	<ul style="list-style-type: none"> ■ Sheet metal ■ Non-ferrous metals ■ Plastics 	<ul style="list-style-type: none"> ■ Surface work ■ Deburring ■ Removal of solder spots ■ Removal of weld spots 	Car body files 	34
			<ul style="list-style-type: none"> ■ Removal of thin paint layers ■ Correction of painting defects 	Paint peeler 
Soft material work 	<ul style="list-style-type: none"> ■ Wood ■ Plastics ■ Soft stone ■ Horn 	<ul style="list-style-type: none"> ■ Roughing ■ Finishing ■ Surface work ■ Deburring ■ Chamfering 	Wood rasps 	38
			Hoof plane and horse rasps 	39
			Needle rasps 	40
Hard material work 	<ul style="list-style-type: none"> ■ Hardened steels ■ Tungsten carbide ■ Ceramic ■ Glass ■ Ferrite ■ Nickel- and titanium-based alloys 	<ul style="list-style-type: none"> ■ Precision filing 	Diamond files 	49
			<ul style="list-style-type: none"> ■ Machining concave and convex surfaces 	Diamond flexible files 
	<ul style="list-style-type: none"> ■ Fibre-reinforced plastics (GRP/CRP) 	<ul style="list-style-type: none"> ■ Deburring ■ Chamfering ■ Breaking of edges 	Diamond semi-flexible files 	48
			Diamond machinists files, grit size D 251 	50


American pattern files

**Cut 0/
ALU** 


- Cross cut.
- Suitable for coarse stock removal and for roughing.

**Cut 1/
Bastard** 

- Cross cut.
- Suitable for coarse stock removal and for roughing.


**Cut 2/
Second** 

- Cross cut.
- Suitable for universal roughing and finishing.


**Cut 3/
Smooth** 

- Cross cut.
- Suitable for fine processing and finishing.

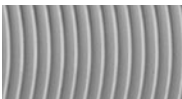
Car body files

Cut 00 

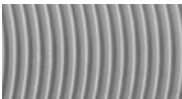
- Radial cut.
- Suitable for very coarse stock removal and for roughing.
- Creates score-free surfaces.

Cut 0 

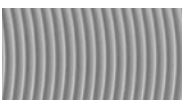
- Radial cut.
- Suitable for coarse stock removal and for roughing.
- Creates score-free surfaces.

Cut 1 


- Radial cut.
- Suitable for coarse stock removal and for roughing.
- Creates score-free surfaces.

Cut 2 

- Radial cut.
- Suitable for universal roughing and finishing.
- Creates score-free surfaces.

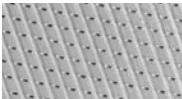
Cut 3 

- Radial cut.
- Suitable for fine stock removal and finishing.
- Creates score-free surfaces.

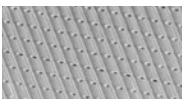
Cut 5 

- Special cross cut.
- Suitable for finest finishing work.
- Creates score-free surfaces.

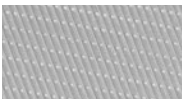
Milled tooth files

Cut 1 

- Straight cut.
- Suitable for coarse stock removal on soft metals.
- Because of its milled tooth shape with large flutes, the teeth do not clog up.


Cut 2 

- Straight cut.
- Suitable for universal roughing and finishing on soft metals.
- Because of its milled tooth shape with large flutes, the teeth do not clog up.


Cut 3 

- Straight cut.
- Suitable for fine stock removal on soft metals.
- Because of its milled tooth shape with large flutes, the teeth do not clog up.

Sharpening files

Classic 

- Classic spiral cut.
- For users who prefer an aggressive filing action.

Premium 

- Innovative spiral cut.
- For users who prefer a softer filing action.

**Cut 1/
Bastard** 

- Single cut.
- Universally suited to sharpening.

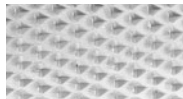
**Cut 2/
Second** 

- Single cut.
- Universally suited to sharpening.


**Cut 3/
Smooth** 

- Single cut.
- Universally suited to sharpening.

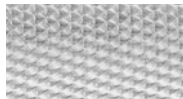
Rasps

**Cut 1/
Bastard** 

- Rasp cut.
- Suitable for coarse stock removal and for roughing.

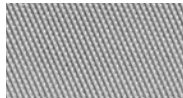
**Cut 2/
Second** 

- Rasp cut.
- Suitable for universal roughing and finishing.


**Cut 3/
Smooth** 

- Rasp cut.
- Suitable for fine processing and finishing.


Precision files

Cut 00 


- Cross cut.
- Suitable for very coarse precision work.

Cut 0 


- Cross cut.
- Suitable for coarse precision work.

Cut 1 

- Cross cut.
- Suitable for medium precision work.

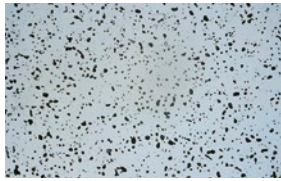
Cut 2 

- Cross cut.
- Suitable for medium to fine precision work.

Cut 4 

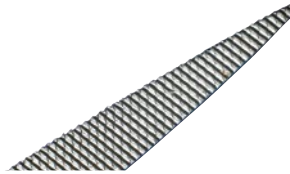
- Cross cut.
- Suitable for very fine precision work.

Several criteria determine PFERD quality



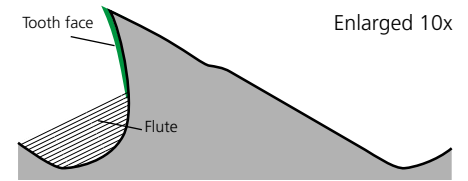
Uniform hardness through flawless steel microstructure

The profiling in the rolling mill, the forging of shape and tang, the annealing prior to cutting and the heat treatment each cause a change in the steel microstructure. The high carbon content of the steel microstructure determines the hardness and cutting performance of the file and must therefore be maintained.



Exact shape and uniform cut from tang to tip

The file blanks acquire their exact shape through forging and grinding. This enables accurate work. Equally spaced cuts and a uniform depth of cut ensure good filing performance and good surface finishes. The type and angle of the cut depend on the purpose for which the file is intended.



Perfectly milled tooth geometries for every application

Tooth shapes suited to various applications ensure the best stock removal rate. There is no universally appropriate tooth shape for every application. PFERD has developed the tooth shapes and tooth geometries for each of the various applications. The figure shows a car body file tooth with its typical rounded tooth face and large flute.

Number of teeth per Inch

Length (with-out tang) [Inch]	Machinists files Teeth number $\pm 8\%$			Sharpening files Teeth number $\pm 5\%$						
	Bastard Cut 1	Second Cut 2	Smooth Cut 3	Regular	Slim	Extra slim	Double extra slim	Mill files		
								Bastard Cut 1	Second Cut 2	Smooth Cut 3
4	43	56	71	51	58	66	-	-	-	-
5	-	-	-	48	56	61	64	-	-	-
6	33	46	56	43	51	56	61	51	61	71
7	-	-	-	41	48	53	58	-	-	-
8	25	36	46	38	43	51	56	46	51	56
10	23	30	41	36	41	43	-	41	46	51
12	20	28	36	-	-	-	-	36	41	46
14	18	25	33	-	-	-	-	31	36	41

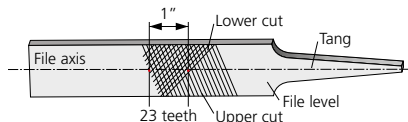
Colour code for the file cut

Cuts are colour-coded to allow for rapid file selection.

Cut 1	Cut 2	Cut 3
green = coarse (Bastard)	yellow = medium (Second)	red = fine (Smooth)

Determining the number of teeth:

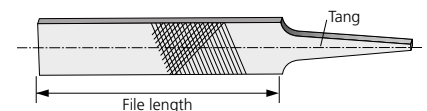
The number of teeth for a file is the number of scores (cuts) per inch of file length, counted along the file axis. For cross cut files, the number of cuts is determined by the upper cut.



Example:

At a length of 10" bastard cut file has 23 teeth per inch. A 4" long file of the same cut has 43 teeth per inch of file length. The higher number of teeth found on shorter files is intended to provide the same ease of use (in terms of force input, guidability and stock removal) on surfaces and edges as a longer file.

Dimensions:



The cross-sectional dimensions indicated in the tables are measured across the cut and may vary depending on cut type. For tapered files the cut is measured at the highest and widest position. PFERD files are manufactured in compliance with DIN and ISO standards.

Products made to order

If you cannot find the solution for your particular application in our extensive catalogue range, we can produce files and rasps to meet your requirements in premium PFERD quality specifically for your application upon request.

Contact your local sales representatives who will be happy to assist you.

American pattern files

Aluminum files



Aluminum flat

This file has fast cutting teeth specially designed for use on aluminum alloys, soft steel and various non-ferrous metals. Single cut, uniform in thickness, special tooth construction eliminates loading.

Advantages:



- Special tooth geometry prevents the file from loading.
- Good surface finish.
- Labour-saving work.

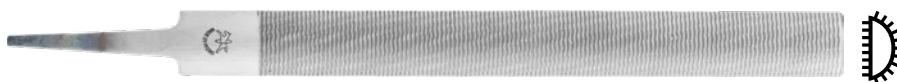
Workpiece materials:

aluminum, soft non-ferrous metal, plastics

Applications:

deburring, surface work

Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Cut 0 		
10	31/32 x 1/4	17103	11146	10
12	1-5/32 x 9/32	17104	11148	5



Aluminum half round

Like the flat aluminum, this file is made for use on aluminum and soft metals. The half round shape permits filing on concave surfaces and rounding out holes. The flat side is single cut and the half round side is spiral cut.

Advantages:



- Special tooth geometry prevents the file from loading.
- Good surface finish.
- Labour-saving work.

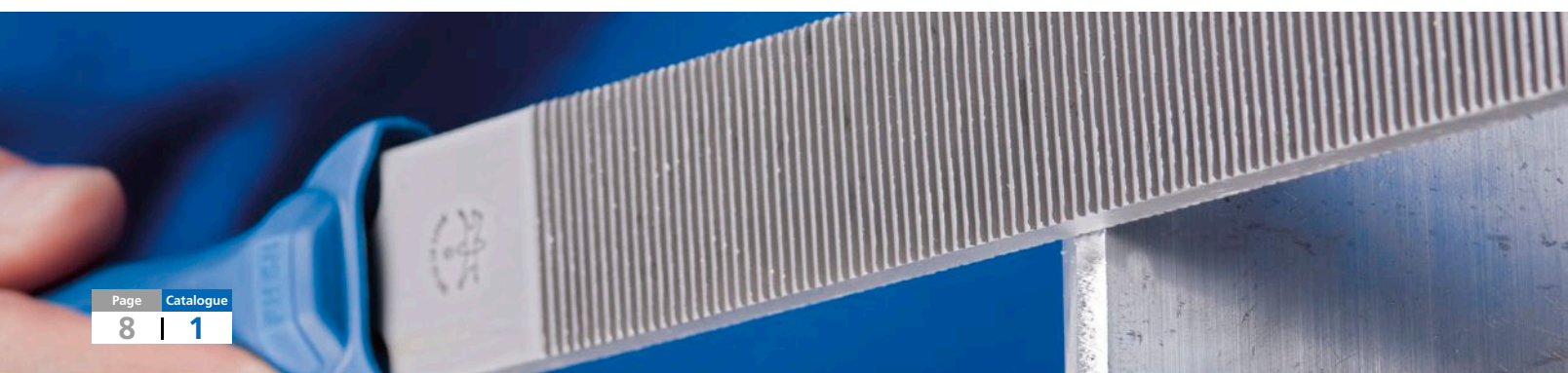
Workpiece materials:

aluminum, soft non-ferrous metal, plastics

Applications:

deburring, surface work

Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Cut 0 		
10	15/16 x 9/32	17107	11146	10
12	1-1/8 x 11/32	17108	11148	5



PFERD produces machinists files with the highest quality standards. They achieve a long service life and high stock removal rates. Three application-oriented cuts are available.

Advantages:

- Consistently high stock removal rate from the tip to the tang.
- Long service life.
- Application-oriented design.
- Half-round and round versions with outstanding filing performance due to PFERD spiral cut.

Recommendations for use:

- Choose bastard cut (cut 1) for roughing or coarse stock removal.
- Choose second cut (cut 2) for universal use.
- Choose smooth cut (cut 3) for fine processing and finishing.

Workpiece materials:

- Aluminum
- Bronze
- Copper
- Brass
- Zinc
- Grey cast iron
- Steels up to 370 HV (38 HRC)
- Cast steel

Applications:

- Deburring
- Surface work
- Work on edges (chamfering, rounding)

Ordering notes:

- PFERD files for the workshop are available in industrial packaging without handle or in POP packaging with ergonomic file handle. EDPs ending in "P" include handle.

Matching accessories:

- You can find matching ergonomic file handles and other PFERD handles on page 51.

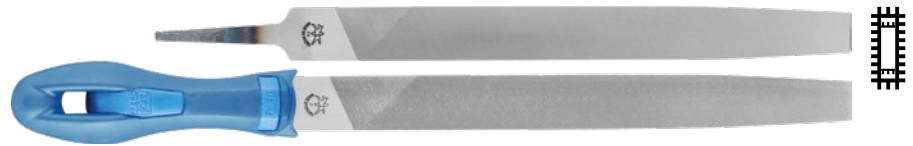
PFERDVALUE®:

PFERDERGONOMICS® recommends the ergonomic file handle for comfortable work.




Flat

Tapered in width at the point and slightly tapered in thickness at the point. Flat files are double cut on both sides and are single cut on the edges. Used extensively by machinists on ferrous and non-ferrous metals for rapid stock removal.



PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1)	Second (cut 2)	Smooth (cut 3)			
Without handle							
4	13/32 x 3/32	11001	11002	11003	11143	-	10
6	5/8 x 5/32	11004	11005	11006	11144	-	10
8	25/32 x 7/32	11007	11008	11009	11146	-	10
10	31/32 x 1/4	11010	11011	11012	11146	-	10
12	1-5/32 x 9/32	11013	11014	11015	11148	-	5
14	1-11/32 x 5/16	11016	-	-	11148	-	5
With handle							
8	25/32 x 7/32	11007P	11008P	11009P	-	11146	5
10	31/32 x 1/4	11010P	11011P	11012P	-	11146	5
12	1-5/32 x 9/32	11013P	11014P	11015P	-	11148	5

American pattern files

Machinists files



Flat PLUS


Universal file for fast metal removal and for producing a smooth finish on steel, non-ferrous metals, wood and plastics. PLUS files are noted for outstanding stock removal due to spade-shaped teeth, requiring minimum effort in use. Broad chip breakers prevent loading problems when filing soft materials.

Advantages:

- Easy and energy-saving working due to spade-like filing teeth.
- No loading when processing soft materials due to a wide chip breaker.
- Can be used universally for all hobby and DIY purposes.

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		PLUS Cut			
With handle					
8	25/32 x 7/32	11134P		11146	5
10	31/32 x 1/4	11135P		11148	5
12	1-5/32 x 9/32	11136P		11148	5




Half round (tapered)

These files are used for filing out concave surfaces and crevices, and for rounding out holes. The spiral cut enables them to remove metal rapidly and leaves a smooth finish.

PFERDVALUE®:




Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1)	Second (cut 2)	Smooth (cut 3)			
Without handle							
4	13/32 x 3/32	11150	11151	11152	11143	-	10
6	19/32 x 5/32	11020	11021	11022	11144	-	10
8	3/4 x 7/32	11023	11024	11025	11146	-	10
10	15/16 x 9/32	11026	11027	11028	11146	-	10
12	1-1/8 x 11/32	11029	11030	11031	11148	-	5
14	1-9/32 x 13/32	11032	-	-	11148	-	5
With handle							
8	3/4 x 7/32	11023P	11024P	11025P	-	11146	5
10	15/16 x 9/32	11026P	11027P	11028P	-	11146	5
12	1-1/8 x 11/32	11029P	-	-	-	11148	5

Half round pipeline

Designed for filing pipeline welds and root passes, and for scale removal from pipeline.

PFERDVALUE®:

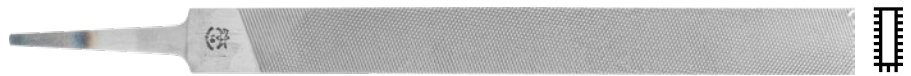



Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1)					
Without handle							
14	1-3/8 x 11/32	11155			11148	-	5
With handle							
14	1-3/8 x 11/32	11155H			-	11148	5

Hand

Hand files have the same cross-sectional dimensions as the Flat File but is blunt in shape (no taper). Double cut, it has one safe (uncut) edge which permits filing one surface without damaging an adjoining one.

PFERDVALUE®:

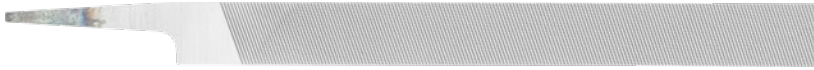


Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	
		Bastard (cut 1)	Second (cut 2)	Smooth (cut 3)		
Without handle						
6	5/8 x 5/32	11036	11037	11038	11144	10
8	25/32 x 7/32	11039	11040	11041	11146	10
10	31/32 x 1/4	11042	11043	-	11146	10
12	1-5/32 x 9/32	11045	-	-	11148	5







American pattern files

Machinists files



Knife

Shaped like a knife blade, this file is commonly used on slots and keyways and for acute angle work in die making. Sides are double cut and the thin edge is cut but the back is safe (uncut).

Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	
		Bastard (cut 1) 	Second (cut 2) 	Smooth (cut 3) 		
Without handle						
8	27/32 x 3/16	11055	11056	11057	11145	10



Long angle lathe

Designed for smooth finish lathe work on either hard or soft metals, this file has the teeth cut on a long angle. Both edges safe (uncut) to permit working next to a shoulder without damage to it. Also used for finish filing of aluminum.

Advantages:



- Direction of the cut on the front and back side causes the file to move away from the chuck during lathe work, improving safety.

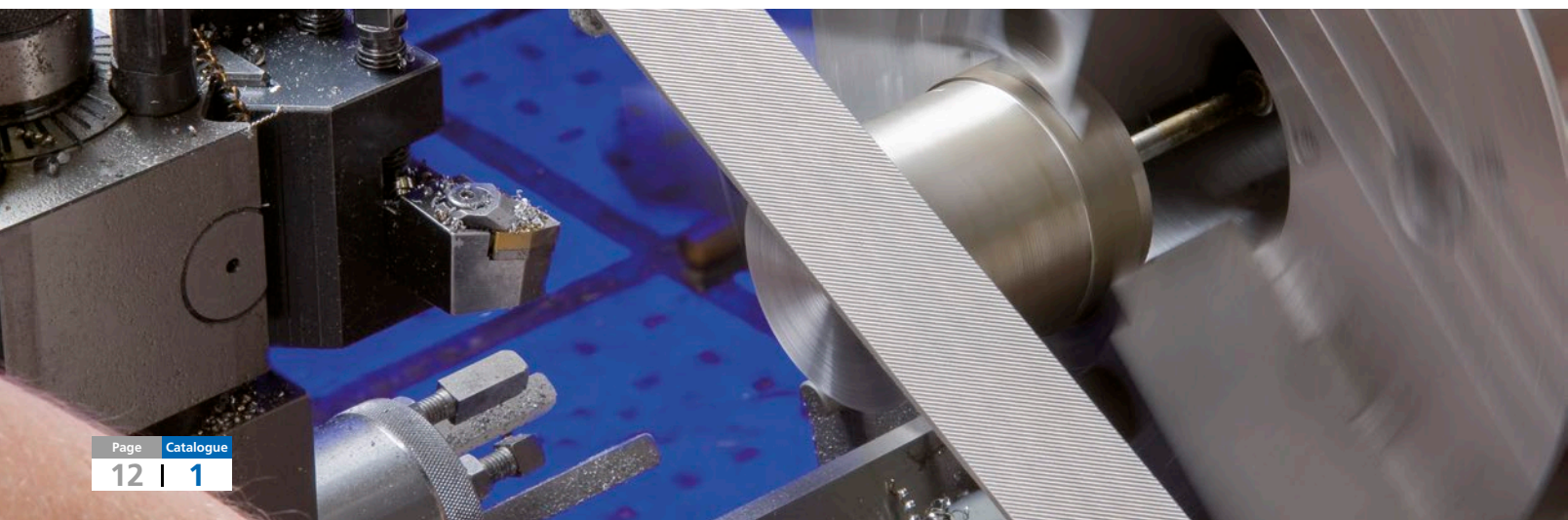
Workpiece materials:

aluminum, hard non-ferrous metal, plastics, steel, cast steel

Applications:

deburring, work on edges

Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Bastard (cut 1) 		
Without handle				
10	31/32 x 1/4	17005	11146	10
12	1-5/32 x 9/32	17006	11148	5







Round

This popular machinists file is designed for enlarging circular holes or rounded grooves that are too small for a half round file. It tapers toward the point making it adaptable for use on various size holes.



PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1) 	Second (cut 2) 	Smooth (cut 3) 			
Without handle							
4	5/32	11061	11062	11063	11143	-	10
6	7/32	11064	11065	11066	11144	-	10
8	5/16	11067	11068	11069	11145	-	10
10	3/8	11070	11071	11072	11145	-	10
12	1/2	11073	11074	11075	11147	-	5
14	5/8	11076	-	-	11147	-	5
With handle							
8	5/16	11067P	11068P	11069P	-	11145	5
10	3/8	11070P	11071P	11072P	-	11145	5
12	1/2	11073P	-	-	-	11147	5





Square

Handy for use on slots, keyways, rectangular as well as square holes and for surface work. Double cut, it tapers toward the point.



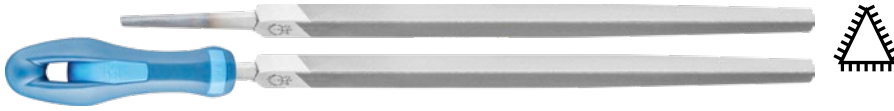
PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1) 	Second (cut 2) 	Smooth (cut 3) 			
Without handle							
4	5/32	11081	11082	11083	11143	-	10
6	7/32	11084	11085	11086	11144	-	10
8	5/16	11087	11088	11089	11145	-	10
10	3/8	11090	11091	11092	11145	-	10
12	1/2	11093	11094	-	11147	-	5
With handle							
8	5/16	11087P	11088P	-	-	11145	5
10	3/8	11090P	11091P	-	-	11145	5

American pattern files

Machinists files







Three square

Three square files are triangular in cross-section, like tapers, but are double cut and have fairly sharp corners that are slightly set and cut. These files are for general use by machinists for filing internal angles more acute than the right angle.

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	Included handle EDP	
		Bastard (cut 1) 	Second (cut 2) 	Smooth (cut 3) 			
Without handle							
6	15/32	11097	11098	11099	11144	-	10
8	19/32	11100	11101	11102	11145	-	10
10	11/16	11103	11104	11105	11147	-	10
With handle							
8	19/32	11100P	11101P	11102P	-	11145	5
10	11/16	11103P	11104P	-	-	11147	5



Tungsten point

Tungsten point files are very thin, making them particularly suitable for use on electrical contact points and in narrow grooves and slots. Once tips become worn, they can be broken off. The punch handle eliminates the need for an additional handle.

Advantages:



- The punched file handle eliminates the need for an additional handle.
- Very small cross section for use in keyways.
- Handy design.

Workpiece materials:

soft non-ferrous metal, steel, cast steel

Applications:


deburring, surface work

Length [Inches]	Cross-section [Inches]	Cut and EDP number	
		Second (cut 2) 	
Without handle			
4	5/16 x 1/32	17008	10

Veneer knife

Specially designed for sharpening veneer knives. Thin, rectangular shape with two round, safe edges.



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Second (cut 2)		
Without handle				
8	25/32 x 1/8	17044	11146	10

Machinists file sets in plastic pouch


This set comes in a rugged, weather-resistant PVC roll-up pouch for optimum protection. An indispensable item for the tool box of every mobile tradesman or fitter.

Advantages:

- Suitable for a wide range of applications.
- Available on request with matching plastic pouch to save space when stored.

PFERDVALUE®:



Length [Inches]	Content (each file with appropriate ergonomic handle)	EDP number	
8	8" hand bastard, square bastard, half round bastard, round bastard, half round wood rasp second cut	16077	1
	8" hand bastard, three square bastard, square bastard, tapered half round bastard, round bastard	16078	1
	8" hand second cut, three square second cut, square second cut, tapered half round second cut, round second cut	16079	1
10	10" hand bastard, three square bastard, square bastard, tapered half round bastard, round bastard	16080	1
	10" hand second cut, three square second cut, square second cut, tapered half round second cut, round second cut	16081	1

DIY file set

These files are specifically designed to meet the needs of DIY users. Its professional quality makes this product very versatile. Due to their high precision and cutting performance, these files meet the highest standards of quality and longevity.


Contents:

The set consists of one file each:

- File rasp (EDP 16053)
- Half-round file (EDP 11155)
- Hobby file (EDP 16053)

PFERDVALUE®:



Length [Inches]	Content (each file with appropriate ergonomic handle)	EDP number	
8	8" DIY file set, 3 pcs	16070	1



Hobby file

Rectangular file, tanged, with different cuts on three sides and ergonomic file handle. Cross cut 1 on front side for roughing, single cut 2 on back side for sharpening and one cut edge.

Advantages:

- For roughing and sharpening using the same file.
- Suitable for versatile use.

Workpiece materials:



steel, cast steel

Applications:

deburring, surface work, work on edges, sharpening, fine finishing

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Included handle EDP	
		Cross 1/single 2 		
With handle				
8	1 x 5/32	16053P	11146	5



File rasp

Rectangular file, tanged, with different cuts on three sides and ergonomic file handle. Cross cut 1 on front side for roughing, rasp cut 1 on back side for rasping and one cut edge.

Advantages:

- For roughing and sharpening using the same file.
- Recommended for versatile use.

Workpiece materials:



soft non-ferrous metal, wood, plastics, steel

Applications:

deburring, cutting out holes, surface work, work on edges

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Included handle EDP	
		Cross 1/rasp 1 		
With handle				
8	25/32 x 13/64	16056P	11146	5

Farmer's own rotary mower

Rectangular file, tanged, single cut 2 on two sides, with rounded, uncut narrow edges and ergonomic file handle. Often referred to as a lawnmower file.



Advantages:

- Long service life.
- High surface quality with optimum cutting performance.

Workpiece materials:

steel, cast steel

Applications:

deburring, sharpening

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Included handle EDP	
		Single 2 		
With handle				
8	15/32 x 1/8	17125P	11146	5

Fitter's file

Rectangular file with different milled cuts, tanged and with ergonomic file handle. Straight cut with chip breaker on front side, radial cut on back side, uncut edges.



Advantages:

- Extremely robust design.
- Ideal for versatile use.

Workpiece materials:

aluminum, soft non-ferrous metal, wood, plastics, steel, cast steel

Applications:

deburring, work on edges, surface work, roughing

PFERDVALUE®:



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Included handle EDP	
		Radial 1/straight 2 		
With handle				
10	15/32 x 1/8	16058	11146	5

American pattern files

Key files

Key files are small files for light, delicate filing tasks, especially in tool- and die-making. Also commonly used on locks and keys, they are well-suited for electricians, mechanics and anyone engaged in precision work.

Advantages:

- Ideal for a wide range of delicate and light filing tasks.

Workpiece materials:

- Aluminum
- Copper
- Brass
- Zinc
- Grey cast iron
- Steels up to 370 HV (38 HRC)
- Cast steel

Applications:

- Deburring
- Surface work
- Work on edges (chamfering, rounding)
- Sharpening
- Finishing

Ordering notes:

- PFERD key files are available in industrial packaging without handle or in POP packaging with wooden handle.



Accessories:

PFERD offers a practical quick-mounting handle for key files. File tangs are reliably clamped by simply twisting the two halves of the handle. For ordering data and more information about PFERD file handles, see page 52.



Key file set 265 A

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:

Six key files (one file each):


- hand
- flat
- three square
- square
- half-round
- round
- quick-mounting handle

Advantages:

- Suitable for a wide range of delicate and light filing tasks.

Ordering notes:

- Supplied with quick-mounting handle no. 210 in a plastic pouch to protect against dirt and damage.

Length [Inches]	Cut and EDP number		
	Second (cut 2)		
4	17009		1



Key file set 265 B

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:

Six key files (one file each):


- hand
- flat
- three square
- square
- half-round
- round

Advantages:

- Ideal for a wide range of delicate and light filing tasks.

Ordering notes:

- Supplied with mounted wooden handles in a plastic pouch to protect against dirt and damage.

Length [Inches]	Cut and EDP number		
	Second (cut 2)		
4	17012		1

Key file set 265 K

Contains an application-oriented selection of key files. Ideal for fine and delicate filing.

Contents:

Six key files (one file each):

- hand
- flat
- three square
- square
- half-round
- round



Advantages:

- Ideal for a wide range of delicate and light filing tasks.

Ordering notes:

- Supplied with mounted wooden handles in a metal box to protect against dirt and damage.



Length [Inches]	Cut and EDP number	
	Second (cut 2) 	
4	17010	1



Sharpening files

Chain saw files



Chain saw files, round

Round file for manual sharpening of saw chains with precise spiral cut for outstanding sharpness and particularly long service life. For fast, score-free sharpening of saw teeth. In comparison to machine sharpening, these files remove stock sparingly without the thermal strain caused by friction on the metal.

Advantages:

- **Classic line:** Optimum combination of service life and stock removal rate, aggressive filing for quick sharpening.
- **Premium line:** Perfect sharpness due to innovative spiral cut, for ensuring a fine tooth surface for maximum cutting performance and a gentler feel to the tool while filing.

Workpiece materials:




steels up to 370 HV (38 HRC)

Applications:

sharpening

Ordering notes:

- Packaging units of 6 and 60 pieces in a cardboard box.

Length [Inches]	Diameter [Inches]	Chain pitch [Inches]	Line and EDP number		Compatible handle EDP	
			Classic line 	Premium line 		
8	5/32	1/4	17047	17074	17046	6
	11/64	3/8 LP*	17057	17075	17046	6
	3/16	.325	17038	17076	17046	6
	13/64	3/8	17048	17077	17045, 17046	6
	7/32	3/8, .404	17039	17078	17045, 17046	6
	1/4	1/2	17040	-	17045, 17046	6
	5/16	3/4	17061	-	17045, 17046	6

Always observe the current guidelines and recommendations of the equipment and saw chain manufacturers. * LP = Low Profile

Packing system for PFERD chain saw files

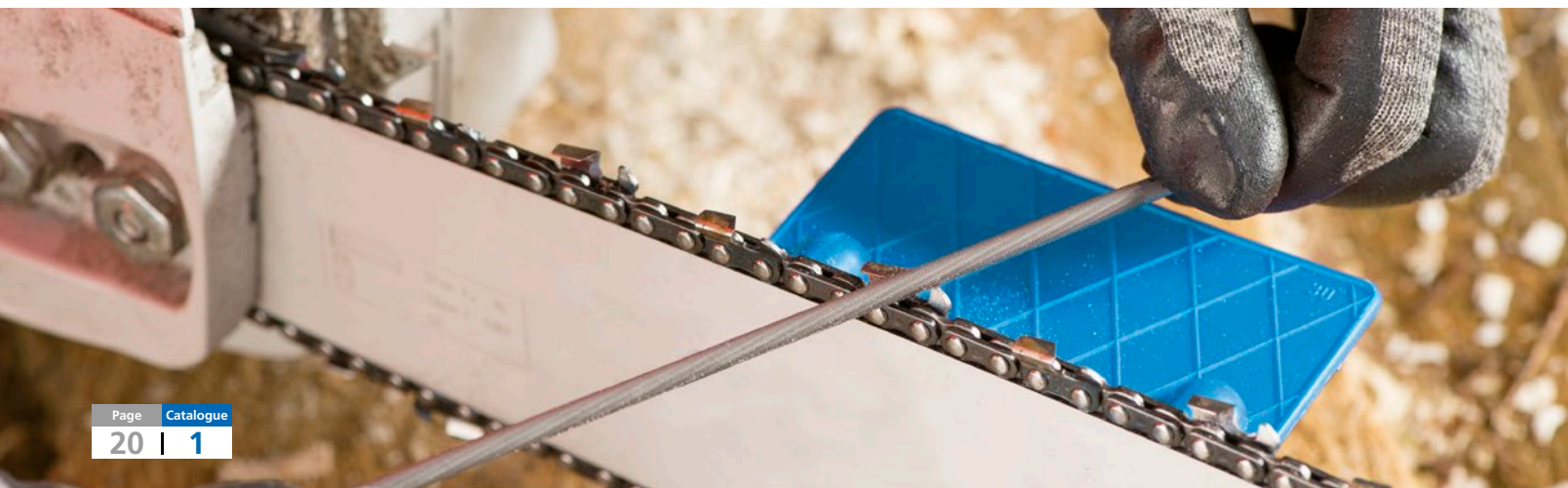
Pack of 6
6 chain saw files



Display box
60 chain saw files
= 10 packs of 6



You can find matching ergonomic file handles for PFERD chain saw files on page 51.



Skin packed, 3-pack sleeve

PFERD chain saw files are available in convenient 3-piece plastic sleeves. The package helps keep file edges protected during storage and transit to ensure top file performance during use.





Advantages:

- The opening on the front of the packaging makes it easier to remove the files and return them when not in use.
- **Classic line:** Optimum combination of service life and stock removal rate, aggressive filing for quick sharpening.

Ordering notes:

- One packaging unit contains four plastic packs, each containing three files.

Length [Inches]	Diameter [Inches]	Chain pitch [Inches]	Line and EDP number	
			Classic line 	
POP packaging				
8	1/8	1/4 LP*	17129	12
	5/32	1/4; 3/8 LP*	17136	12
	3/16	.325	17137	12
	13/64	3/8	17133	12
	7/32	3/8; .404	17138	12

Always observe the current guidelines and recommendations of the equipment and saw chain manufacturers. * LP = Low Profile

Chisel bit files

Chisel bit files

For servicing and sharpening saw chains with a square gullet.

Advantages:

- Good stock removal rate.
- Long service life.
- The flat type fulfills two functions: it can be used to sharpen the blade and also to reduce the depth gauge.



Workpiece materials:

steels up to 370 HV (38 HRC)

Applications:

sharpening, edge grinding



Length [Inches]	Cross-section [Inches]	Chain pitch [Inches]	Shape	Cut and EDP number	Compatible handle EDP	
				Single cut 2 		
Without handle						
7	11/64	.325	Three square	17081	11146	12
	7/64 x 1/2	.325	Flat	17082	11146	12

Sharpening files

Handles




Wooden handles for chain saw files

The wooden handle for chain saw files has an angular contact surface which maintains a 35° filing angle for accurate, even sharpening of all saw teeth.

Advantages:

- Optimized filing angle ensures precise, even filing.

Type	Suitable for chain saw file diameter [Inches]	EDP number	
Wood	13/64, 7/32, 1/4, 5/16	17045	100




Plastic handles for chain saw files

Classic PFERD blue plastic file handle features air chambers to reduce hand moisture. Enlarged, ergonomic handle reduces fatigue and improves safety.



PFERDVALUE®:



Type	Recommended for chain saw file diameter [Inches]	EDP number	
Plastic handle for chain saw files			
Plastic	13/64, 7/32, 1/4, 5/16	17046	10
Filing angle guides			
25° - 30° guide	13/64, 7/32, 1/4, 5/16	17090	10
30° - 35° guide	13/64, 7/32, 1/4, 5/16	17091	10



You can find information on the maintenance and care of a saw chain and repair of other forestry tools in the "PFERD products for forestry" FIELD GUIDE brochure (EDP 819186).



In our pocket guide "Sharpening saw chains" (EDP 819199), we have concisely summarized all the important information that you need for sharpening your saw chains.



Chain saw sharpeners from PFERD are exceptionally well suited to the manual sharpening of saw chains. Manual sharpening is more economic and much more gentle than machine-based sharpening, and can prolong the service life of the saw chain.

Advantages:

- Flexible use on-site due to compact device design.
- Easy to use and defined sharpening angle.
- Long operating life due to easily replaceable files.
- Precise and uniform sharpening result, even for inexperienced users.

Workpiece materials:

- Steels up to 370 HV (38 HRC)

Applications:

- Sharpening



CHAIN SHARP CS-X chain saw sharpeners

The CHAIN SHARP CS-X chain saw sharpener stands out due to its excellent file position, ergonomic shape and easier operation. The device provides a sharpening angle of 30°. The defined depth gauge distance can be found in the table.

Contents:

The chain saw sharpener consists of:

- One sharpener
- One depth gauge file
- Two Classic line chain saw files

Advantages:

- Turn the device over to change from the right to the left tooth – no conversion work required.
- Optimized shape for precise guidance and optimal sharpening results.
- Improved design makes it easy to replace the files.
- Simultaneously sharpens the saw teeth and adjusts the depth gauge.

Ordering notes:

- PFERD offers five types of the CHAIN SHARP CS-X chain saw sharpener adapted to different chain pitches.
- The sharpener is supplied with detailed operating instructions in a transparent, reusable plastic pouch which protects against damage and dirt.

PFERDVALUE®:




EDP 17299



EDP 17300
EDP 17301
EDP 17303
EDP 17304



Chain saw file dia. [Inches]	Chain pitch [Inches]	Depth gauge distance [Inches]	EDP number	Replacement depth gauge file EDP	Replacement round file EDP		
					Classic line	Premium line	
POP packaging							
1/8	1/4 LP*	0.018	17299	17310	17129	-	1
5/32	3/8 LP*	0.025	17300	17310	17047	17064	1
3/16	.325	0.025	17301	17310	17038	17066	1
13/64	3/8	0.025	17303	17310	17048	17067	1
7/32	.404	0.030	17304	17310	17039	17068	1

* LP = Low Profile



Sharpening files

CHAIN SHARP



CHAIN SHARP CS-MT chain saw sharpeners

The compact CHAIN SHARP CS-MT (MultiTool) sharpening solution combines a chain saw file and a depth gauge file in one ergonomic tool. The defined height of the chain saw file makes sharpening saw teeth easier and prevents the connecting links of the chain from being damaged. The side-mounted depth gauge file allows you to set the depth limit as desired. The gauge provided gives depth spacings of .025" for harder wood or .030" for softer wood.

Contents:

The chain saw sharpener consists of:

- One sharpener
- One Classic line chain saw file
- One depth limit file
- One ergonomic file handle
- One depth gauge

Advantages:


- Compact sharpener.
- Depth gauge can be individually adjusted.
- Recommended for all common chain saw files.
- Long service life with PFERD files.

Ordering notes:

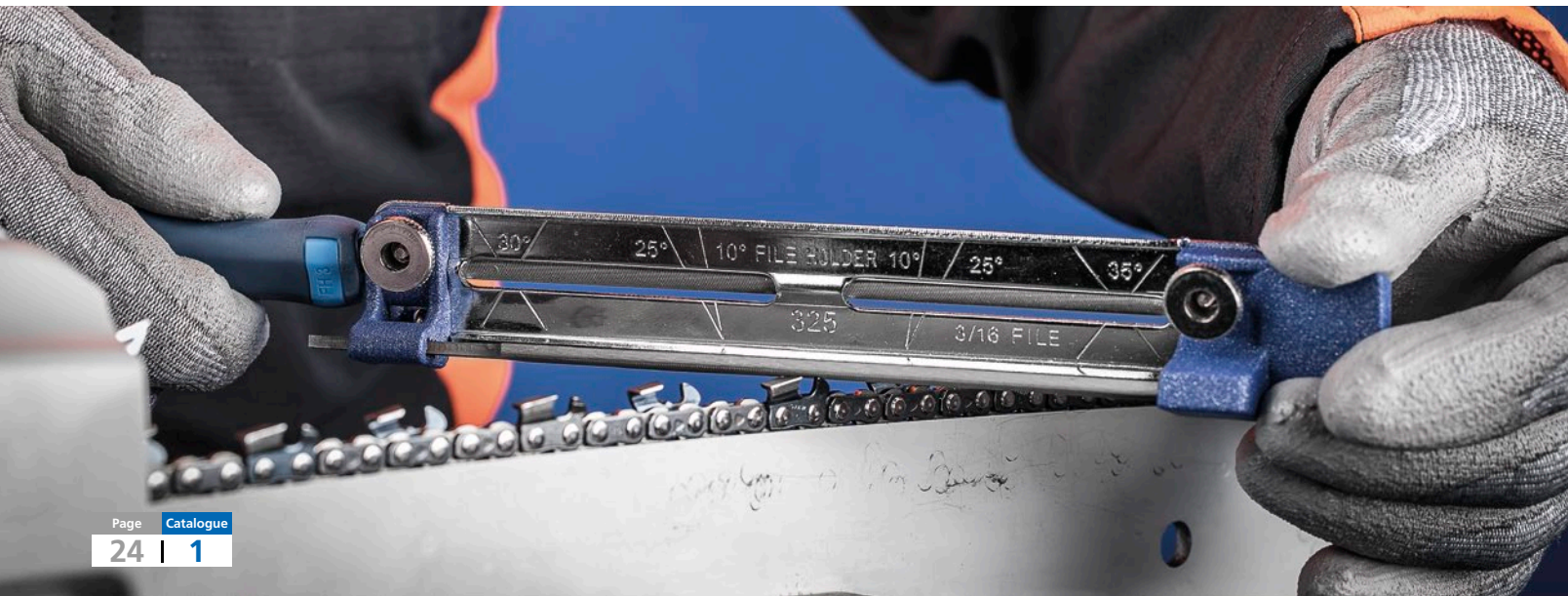
- Available in four designs for the most common chain pitches.
- The sharpener is supplied with detailed operating instructions in a belt pouch which protects against damage and dirt.

PFERDVALUE®:



Chain saw file dia. [Inches]	Chain pitch [Inches]	Depth gauge distance [Inches]	EDP number	Replacement depth gauge file EDP	
POP packaging					
5/32	3/8 LP*	0.025	17250	17043	1
3/16	.325	0.025	17251	17043	1
13/64	3/8	0.025	17252	17043	1
7/32	.404	0.025	17253	17043	1

* LP = Low Profile




Replacement depth gauge file for CHAIN SHARP CS-X

Rectangular file with cut on two sides. Recommended for the CHAIN SHARP CS-X chain saw sharpener.

Advantages:

- Stock removal rate is precisely tailored to the depth gauge.



For use with	Length [Inches]	Cross-section [Inches]	Cut and EDP number	
			Second (cut 2)	
All CHAIN SHARP CS-X sizes	8	23/64 x 15/64	17310	10


Flat chain saw files for depth gauges

Rectangular file, tanged with two round uncut edges and cut on two sides. Flat chain saw files are used to file the depth gauges of saw chains.

Advantages:

- Stock removal rate is precisely tailored to the depth gauge.



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Second (cut 2)		
Without handle				
6	5/8 x 3/32	17043	11143	10
8	25/32 x 1/8	17044	11146	10



Sharpening files


Mill files



Mill, tapered

Rectangular file, tapered with tang. Cut on four sides.

Applications:
sharpening, deburring, surface work

Length [Inches]	Cross-section [Inches]	Cut and EDP number			Compatible handle EDP	
		Bastard (cut 1)	Second (cut 2)	Smooth (cut 3)		


Without handle

6	19/32 x 7/64	19001	-	19003	11144	10
8	25/32 x 9/64	19004	19005	19006	11146	10
10	31/32 x 11/64	19007	19008	19009	11146	10
12	1-5/32 x 7/32	19010	19011	19012	11148	10



Mill, one round edge

Rectangular file, tanged, one round and one straight edge.

Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Second (cut 2)			

Without handle


8	25/32 x 9/64	19017		11146	10
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Cant saw files



Cant saw file

Triangular file, tanged. Cut on three sides, non-equilateral triangular shape.

Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Second (cut 2)			

Without handle

8	7/8 x 1/2	17014		11145	10
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Triangular files, tapered to the tip with tang. Cut on three sides and three edges.

Advantages:

- Good stock removal rate.
- Long service life.
- Versatile application.

Workpiece materials:

- Steels up to 370 HV (38 HRC)
- Cast steel

Applications:

- Sharpening








Ordering notes:

- Available in regular, slim, extra slim, and double extra slim versions.







Slim taper



Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Second (cut 2)			
Without handle					
4	7/32	17022		11143	10
5	9/32	17023		11143	10
6	11/32	17024		11144	10
7	13/32	17025		11145	10
8	15/32	17026		11145	10





Extra slim taper



Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Second (cut 2)			
Without handle					
4	3/16	17027		11143	10
6	9/32	17029		11144	10

Double extra slim taper



Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Second (cut 2)			
Without handle					
5	3/16	17032		11143	10
8	5/16	17035		11144	10

Precision files

General information

PFERD precision files meet the most exacting standards of dimensional accuracy, cutting performance and longevity. Compared to machinists files, precision files are smaller, easier to handle, and possess a more precise geometry.






They are employed in jig, fixture and tool making, specifically in the fabrication of molds and dies (e.g., for punching, forming, forging and stamping in volume production environments).

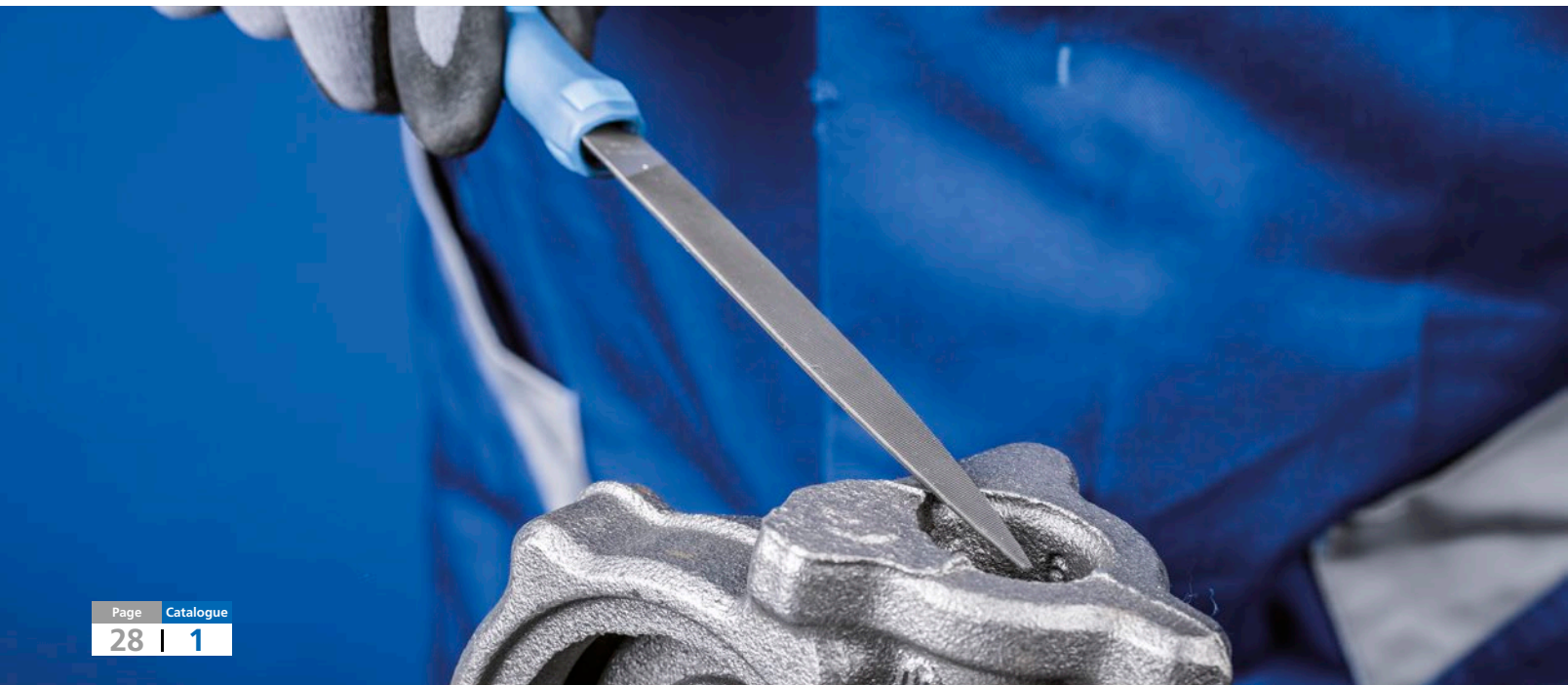
In addition, precision files are needed in assembling and building complex devices and machines to the highest precision standards.



Table of cuts for precision files

Number of teeth per Inch

Cuts Type of file	Swiss cut 00	Swiss cut 0	Swiss cut 1	Swiss cut 2	Swiss cut 4
	 [Teeth/Inch]	 [Teeth/Inch]	 [Teeth/Inch]	 [Teeth/Inch]	 [Teeth/Inch]
Tang files 4", 6" and 8"	41	51	64	79	117
Tang files 10"	30	41	51	64	97
CORINOX® files 6" and 8"	41	51	-	79	-
Needle files	-	64	-	97	142
CORINOX® needle files	-	64	-	97	-



Swiss pattern machinists files, tanged

Small, handy files for use on delicate workpieces.

Advantages:

- Small, handy design.
- Recommended for work on small and delicate workpieces.

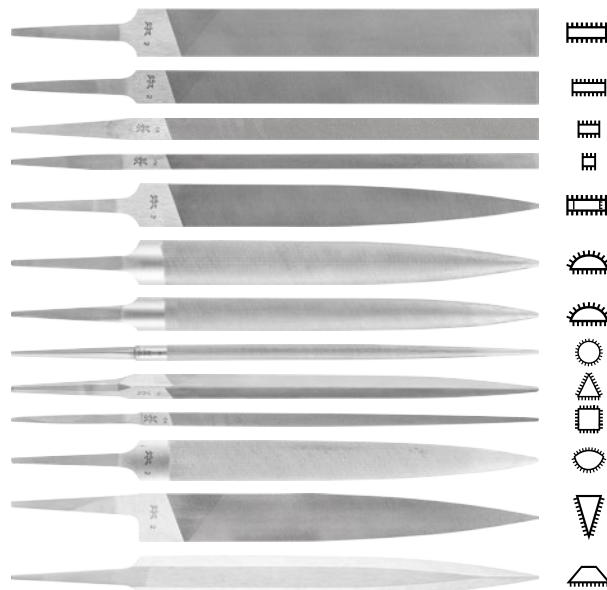
Workpiece materials:


steels up to 370 HV (38 HRC)

Applications:

deburring, surface work, work on edges (chamfering, rounding), fine finishing

- Pottance, hand type
- Pillar, regular
- Pillar, slim
- Pillar, extra slim
- Warding, flat, thin
- Half round
- Half round, slim
- Round
- Three square
- Square
- Crossing
- Knife
- Barrette



Profile	Length [Inches]	Cross-section [Inches]	Swiss cut and EDP number				Compatible handle EDP	
			00	0	1	2		
Pottance, hand type	4	1/2 x 1/8	12609	12610	12611	12612	11143	12
	6	5/8 x 5/32	12615	12616	12617	12618	11144	12
	8	25/32 x 7/32	12622	12623	12624	12625	11146	12
Pillar, regular	6	1/2 x 5/32	12689	12690	-	12692	11144	12
	8	9/16 x 3/16	12696	12697	-	12699	11146	12
	10	5/8 x 7/32	12702	12703	-	12705	11146	12
Pillar, slim	6	5/16 x 1/8	12724	12725	-	12727	11143	12
	8	3/8 x 3/16	12730	12731	-	12733	11144	12
	10	1/2 x 3/16	12735	12736	-	12737	11144	12
Pillar, extra slim	6	1/4 x 1/8	12747	12748	-	12750	11143	12
	8	5/16 x 1/8	12753	12754	-	12756	11143	12
Warding, flat, thin	6	5/8 x 3/32	-	12894	-	12895	11144	12
Half round	4	1/2 x 1/8	12567	12568	12569	12570	11143	12
	6	5/8 x 3/16	12574	12575	12576	12577	11144	12
	8	7/8 x 1/4	12581	12582	12583	12584	11146	12
	10	1 x 1/4	12587	12588	12589	-	11146	12
Half round, slim	6	1/2 x 1/8	12594	12595	12596	12597	11144	12
Round	4	3/16	-	12785	-	12787	11143	12
	6	1/4	-	12790	12791	12792	11144	12
	8	5/16	-	12797	12798	12799	11145	12
Three square	4	1/4	-	-	12868	12869	11143	12
	6	3/8	-	12873	12874	12875	11144	12
	8	9/16	-	12879	12880	12881	11145	12
Square	6	1/4	-	12848	12849	12850	11144	12
	8	5/16	-	12854	12855	12856	11145	12
Crossing	6	5/8 x 3/16	-	-	-	12542	11144	12
Knife	6	11/16 x 3/16	-	12654	-	12656	11144	12
	8	7/8 x 3/16	-	12659	-	12661	11146	12
Barrette	6	5/8 x 3/16	-	12508	-	12510	11144	12
	8	7/8 x 3/16	-	12512	-	12513	11146	12

Precision files

Swiss pattern CORINOX® machinists files



CORINOX® machinists files

CORINOX® machinists files are designed for use on stainless steels and exotic alloys. With a surface hardness of 1,200 HV (Vickers Scale), 70 HRC (Rockwell Scale), these files offer excellent wear resistance and long service life.

Their specially coated surface leaves no corrosive residue on the workpiece and effectively resists loading.

Advantages:


- Extremely wear-resistant and sturdy due to high surface hardness.
- Resistant to loading.
- Chips can be easily removed by gently knocking the file against a hard surface.

Workpiece materials:

stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metal, fibre-reinforced duroplastics (GRP, CRP)

Applications:

deburring, surface work, work on edges (chamfering, rounding), fine finishing

Profile	Length [Inches]	Cross-section [Inches]	Swiss cut and EDP number			Compatible handle EDP	
			00	0	2		
Hand	6	5/8 x 5/32	15100	15101	-	11144	12
	8	25/32 x 7/32	15103	15104	15105	11146	12
	10	31/32 x 1/4	15133	15134	15135	11146	12
Pillar	6	1/2 x 5/32	15106	15107	-	11144	12
	8	9/16 x 7/32	15109	15110	15111	11146	12
Half round	6	9/32 x 5/32	-	15113	-	11144	12
	8	3/4 x 7/32	-	15116	15117	11146	12
Round	8	5/16	-	15122	15123	11145	12
Three square	8	5/8	-	15128	15129	11145	12
Square	6	7/32	-	15131	15132	11144	12



CORINOX® needle files

CORINOX® needle files are designed for ultra-fine, intricate stock removal on stainless steels and exotic alloys. With a surface hardness of 1,200 HV (Vickers Scale), 70 HRC (Rockwell Scale), these files offer excellent wear resistance and long service life.

Their specially coated surface leaves no corrosive residue on the workpiece and effectively resists loading.

Advantages:

- Extremely wear-resistant and sturdy due to high surface hardness.
- Resistant to loading.
- Chips can be easily removed by gently knocking the file against a hard surface.
- Can be used with or without needle file holders due to textured forged tangs.

Workpiece materials:

stainless steel (INOX), high-temperature-resistant materials, hard non-ferrous metal, fibre-reinforced duroplastics (GRP, CRP)

Applications:

deburring, surface work, work on edges (chamfering, rounding), fine finishing

Accessories:

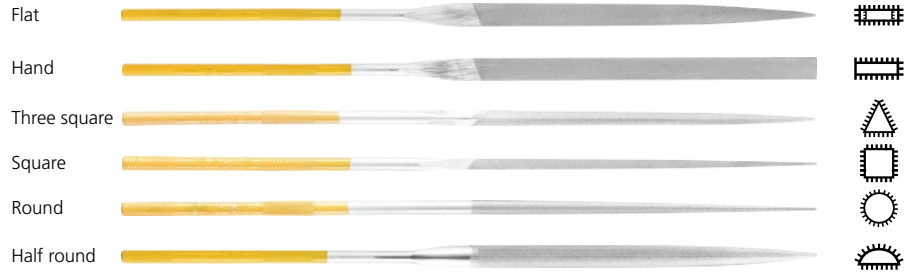
Needle file holder plastic
EDP 16075 (see page 52)




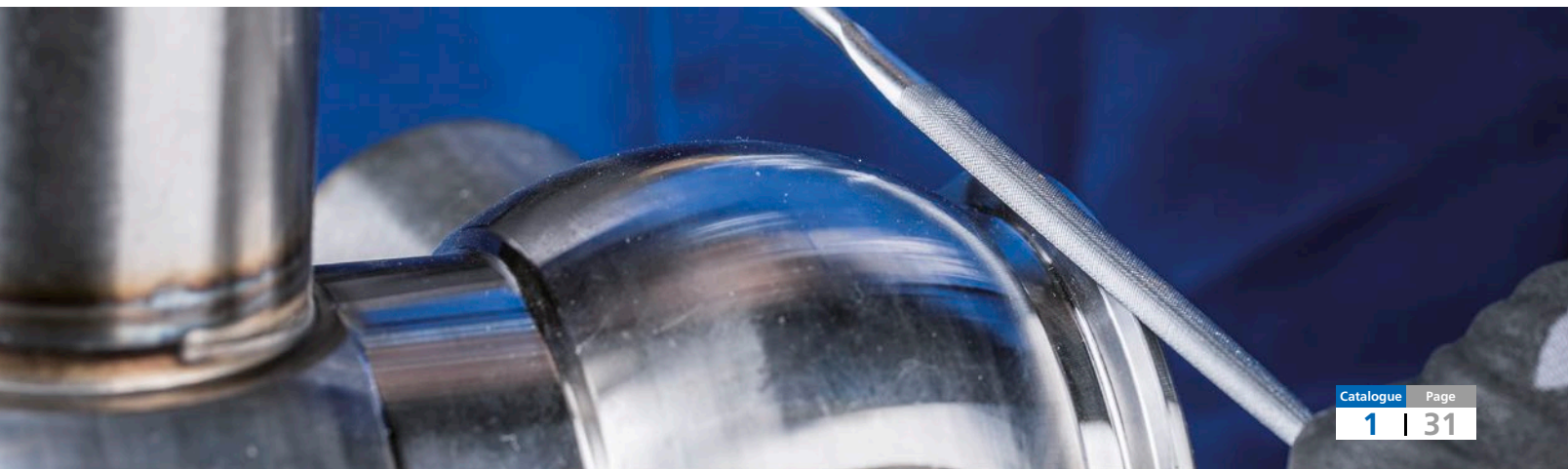
Needle file holder wood
EDP 16076 (see page 52)



Quick-mounting handle
EDP 16174 (see page 52)



Profile	Length [Inches]	Shank dia. [Inches]	Swiss cut and EDP number		
			0	2	
Flat	7	5/32	15201	15203	12
Hand	7	5/32	15211	15213	12
Three square	7	5/32	15221	15223	12
Square	7	5/32	15231	15233	12
Round	7	5/32	15241	15243	12
Half round	7	5/32	15251	15253	12



Precision files

Swiss pattern needle files



Needle files

PFERD needle files are highly recommended for work on the smallest surfaces, breakthroughs, geometries, profiles and radii.

Advantages:

- Can be used with or without a needle file handle due to the textured forged tang.

Workpiece materials:

steels up to 370 HV (38 HRC)

Applications:

deburring, fine finishing

Ordering notes:

- Needle file cuts 00, 1, and 3, which are not listed in the table, are available by special order. Please call for more information.

Accessories:

Needle file holder plastic
EDP 16075 (see page 52)




Needle file holder wood
EDP 16076 (see page 52)



Quick-mounting handle
EDP 16174 (see page 52)



Profile	Length [Inches]	Cross-section [Inches]	Shank dia. [Inches]	Swiss cut and EDP number			
				0	2	4	
Flat	5-1/2	13/64 x 3/64	7/64	12011	12050	-	12
	6-1/4	7/32 x 3/64	1/8	12012	12051	-	12
Hand	5-1/2	13/64 x 3/64	7/64	12029	12068	-	12
	6-1/4	7/32 x 3/64	1/8	12030	12069	-	12
Crossing	5-1/2	3/16 x 5/64	7/64	-	12065	-	12
	6-1/4	13/64 x 5/64	1/8	12027	12066	-	12
Three square	5-1/2	11/64	7/64	12008	12047	-	12
	6-1/4	9/64	1/8	12009	12048	-	12
Square	5-1/2	3/32	7/64	12005	12044	-	12
	6-1/4	3/32	1/8	12006	12045	-	12
Round	5-1/2	7/64	7/64	12002	12041	12078	12
	6-1/4	1/8	1/8	12003	12042	12079	12
Knife	5-1/2	7/32 x 1/16	7/64	-	12053	-	12
	6-1/4	15/64 x 5/64	1/8	12015	12054	12091	12
Half round	5-1/2	13/64 x 1/16	7/64	12017	12056	-	12
	6-1/4	7/32 x 5/64	1/8	12018	12057	-	12

Needle file sets

Contains an application-oriented selection of needle files.

Contents:

12 needle files (one file each):

- flat
- hand
- crossing
- three square
- square
- round
- knife
- half-round
- barrette
- flat with round edges
- hand with round edges
- crossing oval


Accessories:

Needle file holder plastic
EDP 16075 (see page 52)

Needle file holder wood
EDP 16076 (see page 52)

Quick-mounting handle
EDP 16174 (see page 52)



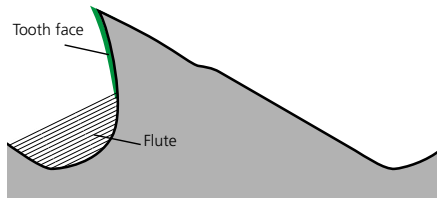
Length [Inches]	Swiss cut and EDP number		Contents [pcs.]	
	0	2		
6-1/4	12039	12150	12	1



Milled tooth files

Car body files

Cross section of a file tooth
Enlarged 10x



Cross section of a car body file
Illustration of convex shape



PFERD car body files – for more than just automotive body work!

They are ideal for any surface work on sheet metal, non-ferrous metals and plastics requiring a particularly smooth and scratch-free finish. The surfaces can be painted immediately after filing. No subsequent polishing is necessary, as the file leaves no scratches. The positive rake angle, the convex shape and the unsurpassed sharpness of the teeth provide outstanding filing performance and an optimum surface quality for professional users of PFERD milled car body files.

Ideal tooth shape

The teeth of the car body files are milled from solid material, using a highly specialized cutting process. Each individual tooth is designed to ensure that the chip rolls up before the rounded tooth face and is found in the large flute. A special finishing treatment produces razor-sharp tooth edges that give these files an outstanding stock removal rate. The car body files are available in five radial cut versions and one cross-cut.

Convex shape prevents scratches

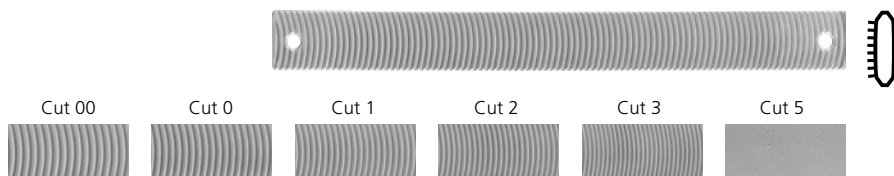
The convex shape means that the cutting area is not flat, but higher in the middle than around the file edges. The height difference is about 1/64". This special cross-section shape prevents the edges of the file from coming into contact with the workpiece during processing, thus preventing scratches.

Workpiece materials:

- Aluminum
- Steels up to 370 HV (38 HRC)

Applications:

- Leveling
- Surface work




Car body files

Car body file blades can be tensioned as desired in the car body file holder and adapted to match the surface contour of the workpiece.

Advantages:

- The bending radius of the file can be steplessly adjusted via the tensioning system.
- Convex shape of the file prevents unwanted scratches.
- Can be used in a focused manner.
- Razor-sharp tooth edges.

Length [Inches]	Cross-section [Inches]	Cut	Type	Number of teeth per Inch	EDP number	
12	1-5/32 x 7/32	1	coarse	9	14001	1
		2	medium	10	14002	1
		3	fine	12	14003	1
14	1-11/32 x 15/64	00	special coarse	7	14004	1
		0	extra coarse	8	14005	1
	1-11/32 x 7/32	1	coarse	9	14006	1
		2	medium	10	14007	1
		3	fine	12	14008	1
		5	*extra fine	20	14000	1

* Extra fine cut available in chisel cut file.

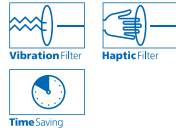
Adjustable holders for car body files


This ergonomic and particularly lightweight holder permits precise tensioning of car body file blades to match the surface contour of the workpiece.

Advantages:

- The bending radius of the file can be steplessly adjusted via the tensioning system.
- Particularly lightweight plastic design without plasticizer.
- Can be used in a focused manner or over a wide area as the car body file can be used curved as well as straight.
- Enables work with low levels of fatigue due to vibration-damping rubber pad.

PFERDVALUE®:



Compatible for file length [Inches]	EDP number	
12	14012	1
14	14013	1

Car body files, tanged type

File curved in longitudinal and transverse direction (convex), tanged. Cut on one side.


Advantages:

- Convex shape of the file prevents unwanted scratches.
- Can be used in a focused manner.

Applications:

deburring, work on edges (chamfering, rounding)



Length [Inches]	Cross-section [Inches]	Number of teeth per inch	Cut	EDP number	Compatible handle EDP	
14	1-3/8 x 5/16	15	Bastard (cut 1)	14009	11148	5
	1-3/8 x 5/16	18	Smooth (cut 3)	14010	11148	5



Milled tooth files

Paint peeler



Paint peeler

The small design of the paint peeler enables work in hard-to-reach areas. It is used for finishing the smallest painted surfaces with the corresponding plastic holder. This plastic holder allows for very fine adjustment of the file using two adjusting screws.

Advantages:



- Convex shape of the file prevents unwanted scratches.
- Precision-cut, razor-sharp teeth provide a very high-quality, scratch-free surface finish.
- Surfaces can be painted or processed immediately.
- File blade can be used on both sides.

Industry:

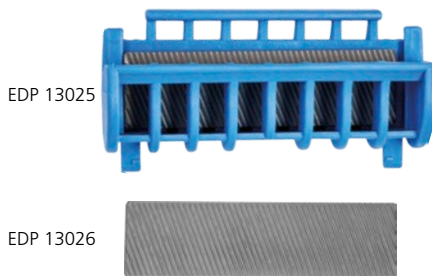
car, car body and trailer construction, furniture manufacture

Workpiece materials:

aluminum, steels up to 370 HV (38 HRC)

	Length [Inches]	Cross section [Inches]	Cut and EDP number	
			Smooth (cut 3) 	
Paint peeler	2	1-1/2 x 3/16	14014	1
Replacement file for paint peelers	2	1-1/2 x 3/16	14015	10

Edge sharpener



Edge sharpener

Rectangular file in a special plastic holder, straight cut on two sides. Ideal for easy and fast repair and for deburring on the bars of chain saws. Regular maintenance extends the service life of the bar and saw chain. Increases cutting precision and safety.

Advantages:



- The special holder enables easy tool control and exact, right-angled positioning of the chamfer file on the workpiece.
- Also excellent for sharpening ski edges.

Workpiece materials:

aluminum, grey cast iron, steels up to 370 HV (38 HRC)

Applications:

work on edges, chamfering, deburring

	Length [Inches]	Cross-section [Inches]	Cut and EDP number	Replacement file EDP	
			Second (cut 2) 		
Edge sharpener	4-1/2	1-1/4 x 1/4	13025	13026	1
Replacement file for edge sharpener	4-1/2	1-1/4 x 1/4	13026	-	10



Milled tooth files from PFERD are highly recommended for coarse stock removal on soft materials such as lead babbitts. The highly abrasive milled tooth geometry with large flutes prevents loading.

Advantages:

- Very aggressive.
- No loading due to the large flutes.

Recommendations for use:

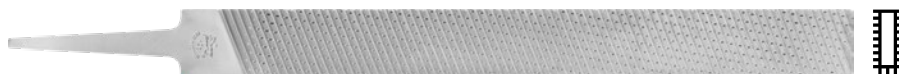
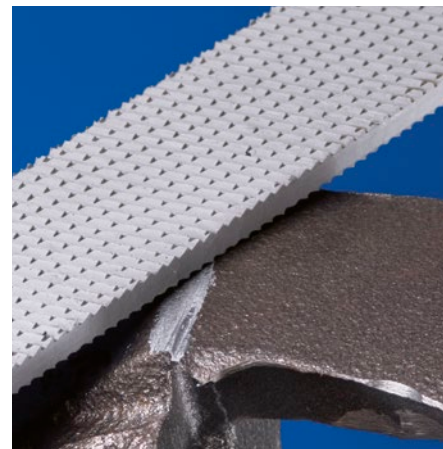
- Choose cut 1 with 8 teeth per inch for coarse stock removal.
- Choose cut 2 with 11 teeth per inch for medium stock removal.

Workpiece materials:

- Aluminum
- Grey cast iron
- Steels up to 370 HV (38 HRC)
- Cast steel
- Copper
- Brass


Applications:

- Leveling
- Deburring
- Surface work
- Work on edges (chamfering, rounding)



Babbitt, flat


Rectangular file with cuts on three sides. Version with tang. Straight cut with chip breaker on the flat sides, straight cut on the high edge. Suitable for filing rectangular geometries.

Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Bastard (cut 1)	Second (cut 2)		
10	1-1/32 x 9/32	13001	-	11146	5
12	1-7/32 x 5/16	13003	13004	11148	5
14	1-3/8 x 11/32	13006	-	11146	5



Babbitt, half round, hollow

Half-round file, hollow and tapered. Version with tang. With chip breaker on the half-round side, straight cut on one side. Ideal for work on radii and for filing of half-round shapes.

Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Bastard (cut 1)		
10	7/8 x 9/32	13009	11146	5
12	1-1/16 x 11/32	13011	11148	5

PFERD quality rasps which are ideal for coarse stock removal of wood.

Advantages:

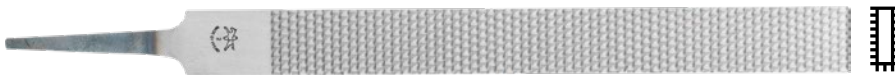
- High stock removal rate.
- Good chip removal.

Workpiece materials:

- Wood




Applications:

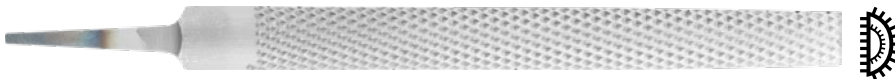
- Deburring
- Surface work
- Chamfering
- Work on edges (chamfering, rounding)



Wood rasps, hand




Rectangular file with cut on three sides, flat sides with rasp cut, one edge with file cut, one edge uncut. Version with tang.

Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Bastard (cut 1)	Second (cut 2)		
					
Without handle					
8	25/32 x 13/64	-	15003	11146	10
10	1 x 1/4	15004	15005	11146	10



Wood rasps, half round



Half-round file, tapered with rasp cut on two sides. Version with tang.

Length [Inches]	Cross-section [Inches]	Cut and EDP number		Compatible handle EDP	
		Bastard (cut 1)	Second (cut 2)		
					
Without handle					
8	25/32 x 15/64	15008	15009	11146	10
10	31/32 x 9/32	15011	15012	11146	10
12	1-5/32 x 11/32	15014	-	11148	5



Wood rasps, round

Round file, tapered with circumferential rasp cut. Version with tang. Suitable for work on radii and for filing profiles with inner radii.

Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Second (cut 2)		
				
Without handle				
8	5/16	15016	11145	10
10	3/8	15017	11145	10

Hoof plane

Rectangular file, tanged and cut on four sides. One side fine, one side rough. Ideal for straightening the hoof surface, for finishing the hoof wall, for filing the toes and for work on the hoof nails after undercutting.

Advantages:

- Long service life.
- Very good surface quality.
- Saves on labour and reduces the strain on the back.
- Comfortable filing for humans, and easy on the animal.

Workpiece materials:


wood, horn

Recommendations for use:

- The PFERD hoof plane file can be used with commercial file handles in the corresponding sizes.

PFERDVALUE®:



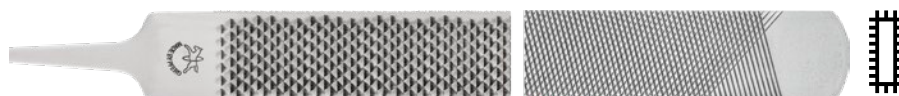
Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Milled		
14	1-3/4 x 1/4	15040	11147	5


Horse rasp, tanged type

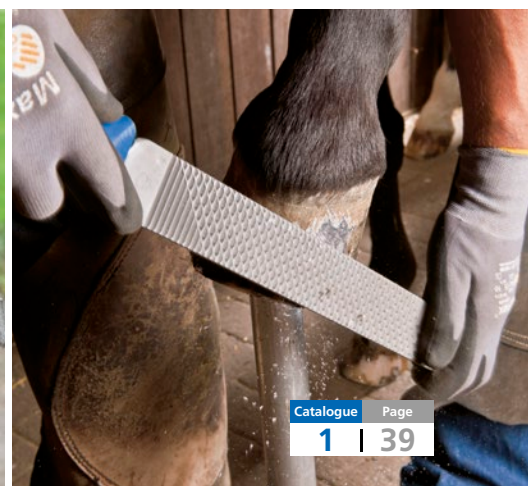
Rectangular file, tanged and cut on four sides, one flat side with a rasp cut, one flat side with a cross cut, two edges with a file cut.

Advantages:

- Very robust.



Length [Inches]	Cross-section [Inches]	Cut and EDP number	Compatible handle EDP	
		Rasp/filing cut 1		
14	1-3/4 x 3/16	15039	11147	5





Needle rasp set

Contains an application-oriented selection of needle rasps for work in hard-to-reach areas.

Contents:

Six needle rasps (one file each):

- flat
- hand
- three square
- square
- round
- half-round

Workpiece materials:

wood, soft stones, plastics, horn

Applications:



deburring, surface work, work on edges, chamfering, rounding

Ordering notes:

- Supplied in a clear, durable plastic pouch to protect against dirt and damage.

Advantages:

- Can be used with or without a file handle due to the textured forged shanks.

Length [Inches]	Contents [pcs.]	Cut and EDP number	
		Second (cut 2) 	
5-1/2	6	15065	1

